

Vanderbilt University

**Report on Federal Awards in Accordance with the
OMB Uniform Guidance**

For the Year Ended June 30, 2022

EIN: 62-0476822

Vanderbilt University
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Year Ended June 30, 2022

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Letter from Chancellor Daniel Diermeier

In a fiscal year rocked by market volatility, supply chain challenges and crises at home and abroad, Vanderbilt University remained strong in every respect.

The value of our endowment exceeded \$10 billion during this period, a record high. Our strong financial capacity made it possible for us to advance more of our mission of transformative education and pathbreaking research—funding scholarships, research, and the labs, equipment and infrastructure that expand the possibilities for innovation and discovery for students and researchers.

In another fiscal milestone, we, together with our partners at Vanderbilt University Medical Center, received more than \$1 billion in annual research funding, affirming our place among the world’s foremost research institutions. Projects supported by the funding include the engineering of monoclonal antibodies that can be rapidly deployed to avert and treat future pathogens; the development of a stretch of “smart highway” along a Nashville-area interstate; and the development of teaching methods to improve math outcomes for those with learning difficulties.

Of course, fiscal soundness is only one measure of a successful university. I’m pleased to report that today’s Vanderbilt students are our most qualified and diverse ever, and our faculty our most expert and accomplished. Through our Destination Vanderbilt recruiting initiative, we added more renowned scholars, innovators and thinkers with the aim of making Vanderbilt a premier center of exploration, innovation and artistic expression. We’ll continue to do that with new investments in research and discovery.

Nearly two and a half years after the onset of the COVID-19 pandemic, and on the cusp of our sesquicentennial, Vanderbilt University is stronger, by every metric, than at any time in our history. Founded to be a great university of the South, Vanderbilt is now positioned to define The Great University of the 21st Century—one true to the ideals of what a university should be, with an impact that is local, national and global.

It is my pleasure to share this year’s Financial Report with you. Thank you for your interest in Vanderbilt University.



Daniel Diermeier
Chancellor, Vanderbilt University

Vanderbilt University Statistics

	2021/2022	2020/2021	2019/2020	2018/2019	2017/2018
STUDENTS					
Undergraduate	7,111	7,057	6,886	6,861	6,885
Graduate and professional	6,685	6,480	6,245	5,963	5,707
Total fall enrollment	13,796	13,537	13,131	12,824	12,592
Undergraduate admissions					
Applied	47,152	36,646	37,310	34,313	31,462
Accepted	3,368	4,259	3,402	3,298	3,415
Enrolled	1,626	1,698	1,604	1,602	1,607
Selectivity	7.1%	11.6%	9.1%	9.6%	10.9%
Yield	48.3%	39.9%	47.1%	48.6%	47.1%
Degrees conferred					
Baccalaureate	1,715	1,712	1,691	1,700	1,716
Master's	1,674	1,459	1,512	1,382	1,477
M.D.	99	97	82	100	79
Other doctoral	735	671	568	599	583
Total degrees conferred	4,223	3,939	3,853	3,781	3,855
Undergraduate six-year graduation rate	92.6%	93.4%	92.6%	93.0%	93.6%
Undergraduate tuition	\$ 54,840	\$ 52,780	\$ 50,800	\$ 48,600	\$ 46,500
% increase over prior year	3.9%	3.9%	4.5%	4.5%	4.5%

FACULTY AND STAFF ¹

Full-time faculty	1,465	1,442	1,466	1,468	1,431
Full-time staff	4,362	3,937	4,555	4,245	4,205
Part-time faculty	271	298	324	348	339
Part-time staff	370	277	448	412	346
Total faculty and staff	6,468	5,954	6,793	6,473	6,321

GRANT AND CONTRACT FUNDING

(in thousands)

Government sponsors	\$ 181,007	\$ 188,306	\$ 165,532	\$ 160,958	\$ 151,580
Private sponsors	22,540	31,551	30,199	27,656	22,298
Facilities and administrative costs recovery	68,277	64,709	62,233	60,408	56,868
Total grants and contracts	\$ 271,824	\$ 284,566	\$ 257,964	\$ 249,022	\$ 230,746

ENDOWMENT

Market value (in thousands)	\$ 10,206,068	\$ 10,928,512	\$ 6,917,371	\$ 6,270,877	\$ 4,608,461
Endowment return	-4.4%	57.1%	-0.1%	6.7%	12.6%
Endowment per student	\$ 739,785	\$ 807,307	\$ 526,797	\$ 488,995	\$ 365,983
Endowment payout	3.5%	3.9%	4.7%	4.5%	4.7%

¹ On April 29, 2016, Vanderbilt University ("VU") and Vanderbilt University Medical Center ("VUMC") became two separate legal entities. Vanderbilt transferred clinical services operations, post-graduate training programs, and clinical department research activities, along with related assets and liabilities, to VUMC as a newly incorporated Tennessee not-for-profit corporation in exchange for \$1,230 million of consideration. In addition to the faculty employed by VU for all the years presented, some employees of VUMC held VU faculty appointments. These additional VUMC-employed, VU faculty comprised:

VUMC-employed, VU faculty appointments	2021/2022	2020/2021	2019/2020	2018/2019	2017/2018
Full-time	3,018	2,970	2,892	2,817	2,830
Part-time	160	104	101	93	116
Total	3,178	3,074	2,993	2,910	2,946

FINANCIAL OVERVIEW

The university ended fiscal 2022 with \$234 million of net operating results compared to \$224 million in fiscal 2021. Vanderbilt's net assets without donor restrictions decreased \$227 million from fiscal 2021 to 2022 primarily driven by investment returns.

OPERATING REVENUES

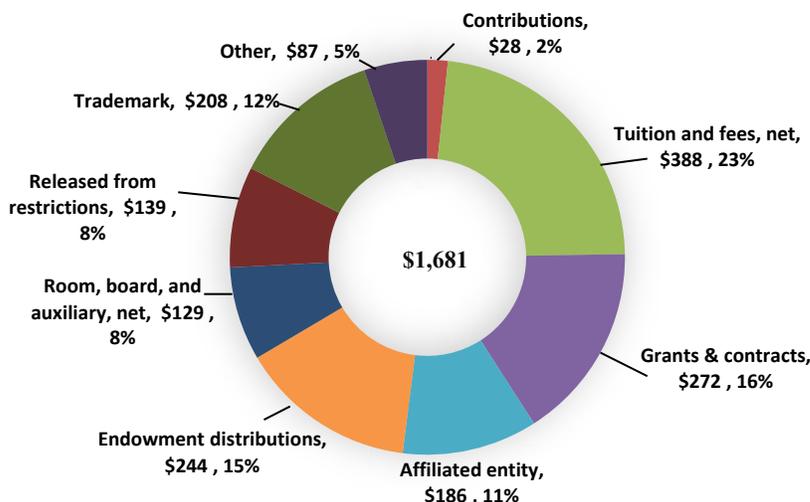
Vanderbilt's operating revenues without donor restrictions for the years ended June 30, 2022, and June 30, 2021, were as follows:

<i>(in millions)</i>	2022	2021
Tuition and educational fees, net	\$ 388	\$ 361
Government grants and contracts	181	188
Private grants and contracts	23	31
F&A costs recovery	68	65
Contributions	28	31
Endowment distributions	244	226
Room, board, and other auxiliary services, net	129	96
Trademark, license, and royalty revenue	208	114
Affiliated entity revenue	186	181
Other sources	87	114
Net assets released from restrictions	139	124
Total operating revenue	\$ 1,681	\$ 1,531

Operating revenues without donor restrictions increased \$150 million, or 10%, to \$1,681 million in fiscal 2022 from \$1,531 million in fiscal 2021. Trademark, license, and royalty revenue increased by \$94 million primarily related to royalties associated with the Center for Technology Transfer & Commercialization. Room, board, and other auxiliary services, net, increased by \$33 million primarily due to higher residence hall occupancy resulting from a return to standard campus occupancy in fiscal 2022 compared to efforts to reduce campus density as a result of the COVID-19 global pandemic in fiscal 2021. Tuition and fees, net, increased by \$27 million due to changes in student enrollment, credit hours, and board-approved increases in tuition rates. Endowment distributions increased by \$18 million due to payouts from the additional investments in the endowment. These increases were primarily offset by decreases in other sources of \$27 million as a result of a one-time distribution from the Southeastern Conference (SEC) in fiscal 2021. In addition, total revenue related to grants and contracts decreased by \$12 million due to the inclusion of grants supporting emergency relief from the COVID-19 global pandemic in fiscal 2021.

Operating Revenues without Donor Restrictions by Type (Fiscal 2022)

(in millions)



TUITION, ROOM, AND BOARD

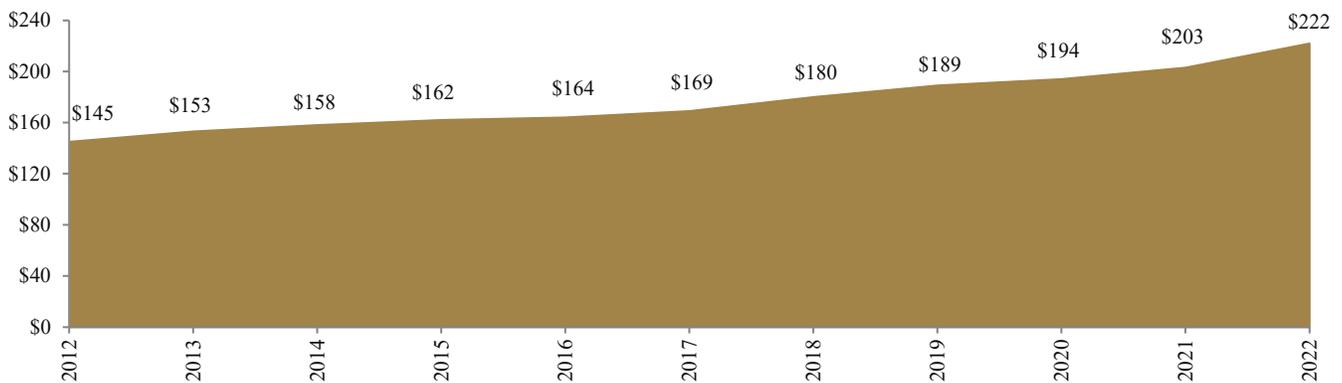
Supporting Vanderbilt's commitment to student access and affordability, the university provides significant financial aid to students and their families. In fiscal 2022, Vanderbilt provided \$341 million in support to its students for tuition, room, and board as shown in the table below.

	Undergraduate	Professional	Graduate	Total
<i>Student count</i>	7,111	4,479	2,206	13,796
<i>(in millions)</i>				
Tuition and fees	\$ 404	\$ 217	\$ 64	\$ 685
Financial aid ⁽¹⁾	(178)	(64)	(55)	(297)
Tuition and fees, net	\$ 226	\$ 153	\$ 9	\$ 388
Room and board	91	-	-	91
Financial aid ⁽¹⁾	(44)	-	-	(44)
Room and board, net	\$ 47	\$ -	\$ -	\$ 47
Total financial aid⁽¹⁾	\$ 222	\$ 64	\$ 55	\$ 341
Average financial aid per student⁽²⁾	\$ 31,000	\$ 14,000	\$ 25,000	\$ 25,000

¹ Financial aid excludes Pell Grants of \$6 million as these amounts represent agency funds.

² Rounded to the nearest thousand.

Undergraduate Financial Aid fiscal 2012–2022 (in millions)



Vanderbilt expanded its undergraduate financial aid significantly over the past decade. In fiscal 2022, undergraduate aid as a percentage of gross tuition, room and board, and educational fees was 45%. Since fiscal 2012, undergraduate aid has grown by 53%. The university's Opportunity Vanderbilt no-loan initiative, which began in fiscal 2009, is crucial to this support. Through fiscal 2022, generous donors have committed, through gifts and pledges, \$510 million to support undergraduate financial aid. A portion of operations (\$142 million), endowment distributions and gifts (\$75 million), and external agencies (\$5 million) funded fiscal 2022 undergraduate aid.

GRANTS AND CONTRACTS

Direct grant revenue decreased by \$15 million, or 7%, to \$204 million in fiscal 2022 from \$219 million in fiscal 2021. Government grants and contracts revenue decreased \$7 million, or 4%, to \$181 million in fiscal 2022 from \$188 million in fiscal 2021, due to the lack of grants supporting emergency relief from the COVID-19 global pandemic received in fiscal 2021 and decreases from the Department of Education. Private grants and contracts revenues decreased \$8 million, or 26%, over the same period to \$23 million in fiscal 2022 from \$31 million in fiscal 2021, due to drug discovery awards that met major milestones in fiscal 2021 which allowed for revenue recognition in the prior year.

As shown in the following table, the largest source of direct government grant and contract revenue was the Department of Health and Human Services (primarily the National Institutes of Health, or NIH).

Grants and Contracts Revenues by Funding Source

<i>(in millions)</i>	2022	%	2021	%
Department of Health and Human Services	\$ 106	59%	\$ 98	52%
National Science Foundation	20	11%	19	10%
Department of Education	16	9%	37	20%
Department of Defense	14	8%	13	7%
Department of Energy	8	4%	9	5%
Other government agencies	17	9%	12	6%
Total government grants and contracts by funding source	\$ 181	100%	\$ 188	100%

Sponsored research and project awards represent research funding commitments not yet expended by Vanderbilt and include multiple-year grants and contracts from government sources, foundations, associations, and corporations. As of June 30, 2022 and 2021, such awards totaled \$258 million and \$246 million, respectively, as shown in the following table.

Sponsored Program Awards

<i>(in millions)</i>	2022	2021
Government awards	\$ 220	\$ 217
Private awards	38	29
Total sponsored research and project awards	\$ 258	\$ 246

PHILANTHROPY

Vanderbilt reports contributions revenue within the consolidated financial statements based on U.S. GAAP. This basis for measurement differs from guidelines established by the Council for Advancement and Support of Education (CASE). CASE guidelines focus on philanthropic distributions of private resources (primarily gifts and foundation grants) to benefit the public.

GAAP to CASE Reconciliation

<i>(in millions)</i>	2022	2021
Contributions revenue		
Without donor restriction	\$ 28	\$ 31
With donor restriction – time and purpose	23	18
With donor restriction – true endowment	67	39
Total contributions revenue	118	88
Total contributions for capital improvements	13	15
Total consolidated GAAP contributions revenue	\$ 131	\$ 103
Grants and similar agreements meeting CASE guidelines (gifts per CASE standards)	\$ 6	\$ 7
Net decrease in contributions receivable	1	16
Other	(3)	3
Total CASE reported gifts (cash basis)	\$ 135	\$ 129

Vanderbilt reported \$131 million in consolidated contributions revenue, including pledges and contributions for capital improvements, a 27% increase over the \$103 million fiscal 2021 level.

Consolidated Contributions (GAAP Basis)

(in millions)



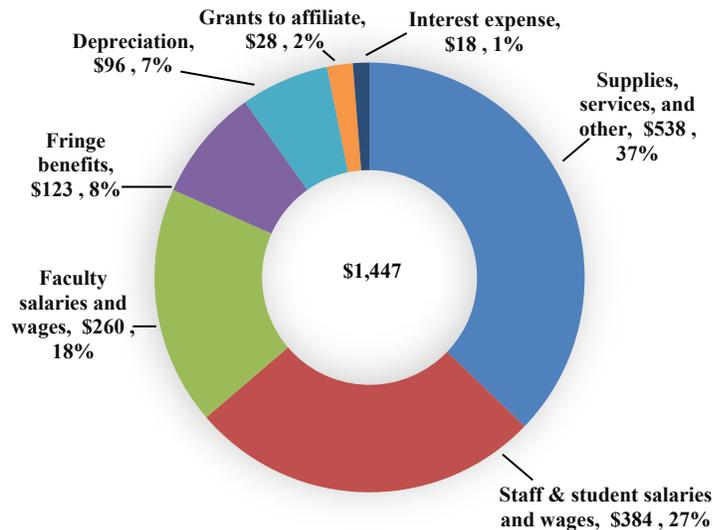
OPERATING EXPENSE

(in millions)	2022	2021
Salaries, wages, and benefits	\$ 767	\$ 727
Supplies, services, and other	538	429
Interest expense	18	20
Depreciation	96	105
Grants to affiliate	28	26
Total operating expenses	\$ 1,447	\$ 1,307

Consolidated operating expenses increased \$140 million to \$1,447 million in fiscal 2022 from \$1,307 million in fiscal 2021. The primary drivers of this increase were a \$109 million increase in supplies, services, and other expenses driven by a return to standard operations on campus after COVID-19 and a \$40 million increase in salaries, wages, and benefits as a result of increased headcount. These increases were offset by a decrease in depreciation expense of \$9 million and a decrease in interest expense of \$2 million.

Operating Expenses by Type (Fiscal 2022)

(in millions)



OTHER CHANGES IN NET ASSETS WITHOUT DONOR RESTRICTIONS

<i>(in millions)</i>	2022	2021
Change in appreciation of endowment, net of distributions	\$ (503)	\$ 2,132
Change in appreciation of other investments, net of distributions	46	-
Capital contributions and releases from restriction	10	4
Nonoperating net asset reclassifications	(2)	-
Total changes from nonoperating	\$ (449)	\$ 2,136

Fiscal 2022 nonoperating activity primarily consisted of a change in appreciation of endowment, net of distributions of \$(503) million, a decrease of \$2,635 million compared to fiscal 2021. The change in value for the endowment resulted from a -4.4% investment return offset by 3.5% of the endowment utilized for distributions during fiscal 2022, compared to a 57.1% investment return and 3.9% of the endowment utilized for distributions during fiscal 2021. Change in appreciation of other investments, net of distributions, increased \$46 million which represents the appreciation on the \$200 million Treasury lock agreement entered into during fiscal 2022 to hedge a portion of a future debt issuance. In addition, releases from restrictions for capital contributions totaled \$10 million in fiscal 2022. Releases from restrictions for capital contributions occurred at the time the asset or building was placed into service and included \$5 million for residential colleges, \$4 million related to athletic facilities, and \$1 million related to Greek housing renovations in fiscal 2022.

Noncontrolling Interests

Net assets related to noncontrolling interests decreased \$12 million to \$17 million in fiscal 2022 from \$29 million in fiscal 2021 due to distributions of \$8 million and a change in appreciation on investment of \$4 million during fiscal 2022.

SUMMARY OF FINANCIAL POSITION

Vanderbilt's summarized Statements of Financial Position as of June 30, 2022, and June 30, 2021, were as follows:

<i>(in millions)</i>	2022	2021
ASSETS		
Cash and cash equivalents	\$ 1,184	\$ 1,124
Accounts and contributions receivable, net	220	202
Investments	10,402	10,953
Right of use assets	58	62
Property, plant, and equipment, net	1,634	1,472
Prepaid expenses and other assets	64	71
Total assets	\$ 13,562	\$ 13,884
LIABILITIES		
Payables and accrued liabilities	\$ 345	\$ 282
Deferred revenue	49	41
Deferred trademark revenue	1,841	1,885
Long-term debt and commercial paper	673	632
Securities sold short	614	506
Lease liabilities	61	65
Total liabilities	3,583	3,411
NET ASSETS		
Without donor restrictions	5,632	5,859
With donor restrictions	4,347	4,614
Total net assets	9,979	10,473
Total liabilities and net assets	\$ 13,562	\$ 13,884

Vanderbilt's assets decreased \$322 million, or 2%, from fiscal 2021 to fiscal 2022. Investments decreased \$551 million, or 5%, to \$10,402 million in fiscal 2022 from \$10,953 million in fiscal 2021. The endowment, net of securities sold short, returned -4.4% and its value decreased to \$10,206 million in fiscal 2022 from \$10,928 million in fiscal 2021 after the impact of distributions in support of operations and the addition of new gifts and quasi-endowments. These decreases are offset by an increase in property, plant, and equipment, net, of \$162 million, or 11%, driven by \$227 million in additions, net, offset by \$65 million in accumulated depreciation. Cash and cash equivalents increased \$60 million, or 5%, from fiscal 2021 to fiscal 2022 primarily attributable to working capital cash from spring tuition, endowment distributions, and grant-related draws.

Total liabilities increased \$172 million, or 5%, from fiscal 2021 to fiscal 2022. This increase is primarily attributable to the increase of \$108 million in the fair value of securities sold short and the increases in accounts payable and accrued liabilities of \$63 million. The fair value of open short positions is recorded as a liability, \$614 million in fiscal 2022, and the university records an unrealized gain or loss to the extent of the difference between the proceeds received and the value of the open short position. By entering short sales, the university bears the market risk of increases in the value of the security sold short in excess of the proceeds received.

Cash and Liquidity

Vanderbilt continues to invest operating assets in a conservative, diversified manner to ensure adequate security and liquidity under a variety of stress scenarios. Investments, along with cash and cash equivalents, provide liquidity support for Vanderbilt's operations. Of these combined amounts, based on prevailing market conditions as of June 30, 2022, \$1,315 million of liquid assets were available on a same-day basis and an additional \$2,419 million was available within 30 days. This strong liquidity position contributes to the university's ability to satisfy potential liquidity risks. Vanderbilt maintains the highest short-term ratings from the major credit rating agencies.

To provide supplemental liquidity support, Vanderbilt maintains two separate lines of credit in the amounts of \$250 million and \$100 million with two different banks. These lines of credit may be drawn upon for any general use purpose.

Capital Expenditures

Maintaining the university's campus, which dates back to 1873, and investing in the university's capital assets are fundamental to achieving Vanderbilt's mission.

Over the past decade, Vanderbilt has focused increasingly on revitalizing the campus and student experience through the continued construction and renovation of residential colleges in direct support of the academic strategic plan:

- Offering students a rich and diverse intellectual community that educates the whole person and cultivates lifelong learning;
- Investing in multidisciplinary and interdisciplinary programs to lead in defining and addressing important problems facing society, while pursuing new and exciting opportunities;
- Transforming education models through technology and research; and
- Building distinctive and distinguished programs that develop and offer effective solutions to pressing health care problems.

Additionally, these investments serve to support FutureVU, Vanderbilt's land use planning initiative, the goal of which is to ensure the Vanderbilt University campus is designed and prepared at every level to support its students, faculty, and staff in their work each day to carry out the university's mission and values.

Capital Projects

<i>(in millions)</i>	2022	2021
Minor capital expenditures	\$ 80	\$ 33
Housing projects	68	74
Acquisitions	55	-
Academic projects	42	16
Athletics projects	10	6
Infrastructure projects	2	8
Total capital projects	\$ 257	\$ 137

During fiscal 2022, Vanderbilt University invested \$257 million in capital projects as compared to \$137 million in fiscal 2021. This enabled progress on several significant projects, including, but not limited to:

- Continued expansion of the residential college program, including completion of Rothschild College, which contributes to the living and learning experience of upper-division students in the West End Neighborhood of campus;
- Continued renovation and expansion of the Owen Graduate School of Management, which will enhance Owen's world-class culture of excellence in teaching, research, and placement and enable flexibility in new programs;
- Renovations to athletics facilities, including men's and women's basketball locker rooms and stadium upgrades, that enhance the experience for student-athletes and fans; and
- Acquisition of property adjacent to Vanderbilt's campus.

As capital projects conclude or new acquisitions occur during the fiscal year, capital asset balances increase. A total of \$101 million of completed projects and purchased property and equipment came into service during fiscal 2022.

The Board of Trust Executive Committee reviews the university's five-year capital plan annually; however, major capital projects are approved individually. The fiscal 2022–26 capital plan brings a continued focus on the academic strategic plan, including the student experience, through investments in new residential colleges, science buildings, acquisitions, infrastructure, and athletics.

ENDOWMENT

For fiscal 2022, Vanderbilt's endowment portfolio returned -4.4%. The endowment ended fiscal 2022 with a total market value of \$10,206 million, compared to \$10,928 million at the end of fiscal 2021. The difference between the investment return and change in absolute value of the endowment was attributable to the net impact of new endowment gifts, additions to institutional endowments (quasi-endowments), costs for managing the endowment including internal management costs and endowment excise tax of \$22 million, and the distribution of endowment funds to support university operations. During fiscal 2022, the university added \$123 million to the endowment portfolio through new gifts, recapitalizations, and additions to institutional endowments. Endowment distributions totaled \$374 million in fiscal 2022, compared to \$348 million in fiscal 2021. These distributions support the university's education, research, and public service missions.

COVID-19 and its subvariants continued to dominate the news in fiscal 2022. By the end of the fiscal year, the World Health Organization had reported 543 million cumulative cases and 6.33 million deaths worldwide. The U.S. Centers for Disease Control and Prevention reported

87 million cumulative cases and more than a million deaths. Even as individuals continue to get vaccinated and as China continues its “zero-COVID” approach, a risk of collateral damage to global economic growth still remains.

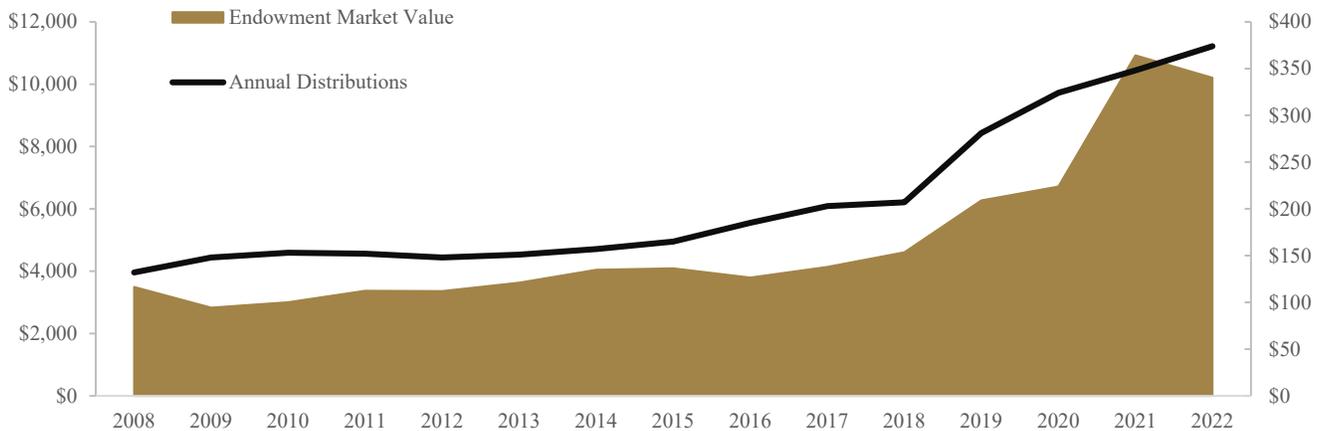
The other major threat to the global economy is the commitment of major central banks in the U.S., Europe, Canada, and parts of Asia to tighten financial conditions to control the highest inflation rates in more than four decades. This monetary policy tightening is a threat to economic growth in general, and capital markets in particular.

The global capital market environment has suffered, particularly in the back half of the fiscal year. Global equity markets returned -16%, with significant losses across U.S. large caps (down 11%), U.S. small caps (down 25%), non-U.S. developed markets (down 17%), and emerging markets (down 25%). U.S. bond markets also suffered losses (down 10%) as long-term U.S. Treasury yields rose, and credit spreads widened. Commodity prices surged (up 45%, after gaining 57% in the prior fiscal year), with oil prices a major contributing factor (up from \$75 to \$115 per barrel over the course of the year).

Looking into the future, substantial headwinds lie ahead. U.S. equity valuations remain elevated despite the recent market correction. Inflation is the most hotly debated topic in U.S. capital markets. Market participants and federal policymakers seem to have given up on the belief among some that the recent spike in consumer prices is transitory. European markets are pressured by central bank tightening, Russia’s ongoing invasion of Ukraine, the potential disruption of natural gas supplies from Russia and its impact on economic growth, and political turmoil in some countries, including Italy. China continues to suffer from a number of excesses. Globally, emerging markets are wrestling with the strength of the U.S. dollar. Increased geopolitical tensions, particularly between the U.S. and China (as well as ongoing uncertainty in the Middle East) represent risks to the global capital markets. That said, these challenges will, from time to time, present chances to be opportunistic in deploying new investments. Meanwhile, Vanderbilt has built a sturdy foundation for the endowment by collaborating with some of the world’s best investment managers across all asset classes.

Endowment Market Value and Annual Distributions

(in millions)



Endowment Asset Allocation

As of June 30, 2022 (% of portfolio)

	Allocation
Global equities	18%
Hedged strategies	24%
Commodities	2%
Fixed income	7%
Cash and cash equivalents	5%
Total public investments	56%
Private capital	36%
Real estate	2%
Natural resources	6%
Total nonmarketable	44%
Total endowment	100%

LOOKING FORWARD

The formal celebration of Vanderbilt's sesquicentennial will begin in March 2023 and encompass a year of events recognizing the university's development over 150 years from a regional institution to a globally renowned university known for transformative education and research. Vanderbilt was founded in 1873 with a \$1 million gift from "Commodore" Cornelius Vanderbilt. His intent was to establish an institution to "contribute to strengthening the ties that should exist between all sections of our common country."

As Vanderbilt prepares to mark its sesquicentennial in 2023, a new program will support exploration of the university's past and future. The Office of the Chancellor is launching the Sesquicentennial Grant Program to fund activities and projects that engage with the university's history, look to its future, and explore what makes Vanderbilt distinctive and unique. The grants will be used to support a range of activities and programs, including but not limited to academic forums, research, performances, exhibitions, events, and celebrations.

In advance of this historical year, Vanderbilt launched a refreshed visual identity in fiscal 2022 designed to reflect the university's forward momentum and to build pride and visibility across the institution, including its athletics program. The refresh also included a completely redesigned university seal. The seal features a new Latin motto, the university's first: *Crescere aude*, which translates to "dare to grow."

In order to grow Vanderbilt's campus and further our mission, Vanderbilt is embarking on the next phase of its residential colleges program with the re-envisioning of Highland Quadrangle along 25th Avenue South. This initiative, which includes construction of three new residential colleges for upper-division students, will build upon the successful living-learning environments already in place on The Martha Rivers Ingram Commons and in the West End Neighborhood.

Vanderbilt opened its first residential college, The Ingram Commons, to first-year students in 2008. Since then, five additional residential colleges for upper-division students have been constructed in the West End Neighborhood, expanding the university's efforts to provide students, faculty and staff with an intentional, mutually beneficial educational and living experience. Rothschild College, the newest of the West End Neighborhood residential colleges, opened for the fall 2022 semester.

While the COVID-19 pandemic disrupted normal operation on campus for several years and continues to pose many challenges, Vanderbilt has continued to embrace the opportunities to further our mission through advancing interdisciplinary, pathbreaking research and finding ways to bring students together to enable them to learn from peers with different perspectives and experiences. Vanderbilt aspires to shape the future of higher education and to foster the creation of knowledge that improves the human condition. As a result of operations in fiscal 2022, Vanderbilt is exceptionally well positioned to meet current and future challenges facing higher education and society.

Vanderbilt's audited financial statements and other key financial metrics for fiscal 2022 are included in the following pages.



Report of Independent Auditors

To the Board of Trust of Vanderbilt University

Report on the Audit of the Consolidated Financial Statements

Opinion

We have audited the accompanying consolidated financial statements of Vanderbilt University and its subsidiaries (the “University”), which comprise the consolidated statements of financial position as of June 30, 2022 and 2021, and the related consolidated statements of activities and of cash flows for the years then ended, including the related notes (collectively referred to as the “consolidated financial statements”).

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the financial position of the University as of June 30, 2022 and 2021, and the changes in its net assets and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (US GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditors’ Responsibilities for the Audit of the Consolidated Financial Statements section of our report. We are required to be independent of the University and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Consolidated Financial Statements

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

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



Auditors' Responsibilities for the Audit of the Consolidated Financial Statements

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

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

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the consolidated financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the University's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Supplemental Information

Our audit was conducted for the purpose of forming an opinion on the consolidated financial statements as a whole. The accompanying schedule of expenditures of federal awards for the year ended June 30, 2022 and the financial responsibility ratios as of and for the year ended June 30, 2022 are presented for purposes of additional analysis as required by Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance) and the Department of Education, respectively, and are not a required part of the consolidated financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the consolidated financial



statements. The information has been subjected to the auditing procedures applied in the audit of the consolidated financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the consolidated financial statements or to the consolidated financial statements themselves, and other additional procedures, in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal awards and financial responsibility ratios are fairly stated, in all material respects, in relation to the consolidated financial statements taken as a whole.

Other Information

Management is responsible for the other information included in the annual report. The other information comprises the Letter from Chancellor Daniel Diermeier, Vanderbilt University Statistics, and the Financial Overview, but does not include the consolidated financial statements and our auditors' report thereon. Our opinion on the consolidated financial statements does not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the consolidated financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the consolidated financial statements or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated September 30, 2022, except with respect to the opinion on the accompanying supplemental schedule of expenditures of federal awards, as to which the date is January 26, 2024, on our consideration of the University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters for the year ended June 30, 2022. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing and not to provide an opinion on the effectiveness of internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control over financial reporting and compliance.

PricewaterhouseCoopers LLP

Nashville, Tennessee

September 30, 2022, except with respect to the opinion on the accompanying supplemental schedule of expenditures of federal awards, as to which the date is January 26, 2024

Vanderbilt University

Consolidated Statements of Financial Position

As of June 30, 2022 and June 30, 2021 (in thousands)

	June 2022	June 2021
ASSETS		
Cash and cash equivalents	\$ 1,184,069	\$ 1,124,103
Accounts receivable, net	114,800	94,267
Prepaid expenses and other assets	14,923	16,874
Contributions receivable, net	105,568	106,762
Student loans and other notes receivable, net	17,926	19,328
Investments	10,384,751	10,924,017
Investments allocable to noncontrolling interests	17,061	28,808
Right-of-use assets	58,145	62,359
Property, plant, and equipment, net	1,634,036	1,472,148
Interests in trusts held by others	31,063	34,829
Total assets	\$ 13,562,342	\$ 13,883,495
LIABILITIES		
Accounts payable and accrued liabilities	\$ 202,284	\$ 123,580
Accrued compensation and withholdings	89,925	102,478
Deferred revenue	48,781	40,552
Deferred trademark revenue	1,841,610	1,885,071
Actuarial liabilities	36,308	38,075
Government advances for student loans	16,770	18,663
Commercial paper and other short-term debt	49,728	-
Long-term debt	623,504	632,128
Fair value of securities sold short	614,316	506,093
Lease liabilities	60,652	64,527
Total liabilities	3,583,878	3,411,167
NET ASSETS		
Without donor restrictions, attributable to Vanderbilt	5,614,870	5,829,618
Without donor restrictions, related to noncontrolling interests	17,061	28,808
Total net assets without donor restrictions	5,631,931	5,858,426
With donor restrictions	4,346,533	4,613,902
Total net assets	9,978,464	10,472,328
Total liabilities and net assets	\$ 13,562,342	\$ 13,883,495

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

Vanderbilt University

Consolidated Statement of Activities

Year Ended June 30, 2022 (in thousands)

	2022		
	Without Donor Restriction	With Donor Restriction	Total
REVENUES AND OTHER SUPPORT			
Tuition and educational fees, net	\$ 387,874	\$ -	\$ 387,874
Grants and contracts:			
Government sponsors	181,007	-	181,007
Private sponsors	22,540	-	22,540
Facilities and administrative costs recovery	68,277	-	68,277
Total grants and contracts	271,824	-	271,824
Contributions	27,922	89,878	117,800
Endowment distributions	244,440	130,008	374,448
Room, board, and other auxiliary services, net	129,317	-	129,317
Trademark, license, and royalty revenue	208,566	-	208,566
Affiliated entity revenue	185,527	-	185,527
Other sources	86,898	(14,182)	72,716
Net assets released from restrictions	138,511	(138,511)	-
Total revenues and other support	1,680,879	67,193	1,748,072
EXPENSES			
Salaries, wages, and benefits	766,643	-	766,643
Supplies, services, and other	538,361	-	538,361
Interest expense	17,878	-	17,878
Depreciation	95,889	-	95,889
Grants to affiliate	28,100	-	28,100
Total expenses	1,446,871	-	1,446,871
Results of operations	234,008		
OTHER CHANGES IN NET ASSETS			
Change in appreciation of endowment, net of distributions	(502,778)	(339,586)	(842,364)
Change in appreciation of other investments	45,988	-	45,988
Contributions for capital improvements	-	13,055	13,055
Net assets released from restrictions for capital improvements	9,900	(9,900)	-
Nonoperating net asset reclassifications	(1,869)	1,869	-
Other nonoperating activity	3	-	3
Total other changes in net assets	(448,756)	(334,562)	(783,318)
Changes in net assets attributable to Vanderbilt	(214,748)	(267,369)	(482,117)
Changes in net assets related to noncontrolling interests	(11,747)	-	(11,747)
Total changes in net assets	\$ (226,495)	\$ (267,369)	\$ (493,864)
Net assets, June 30, 2021	\$ 5,858,426	\$ 4,613,902	\$ 10,472,328
Net assets, June 30, 2022	\$ 5,631,931	\$ 4,346,533	\$ 9,978,464

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

Vanderbilt University

Consolidated Statement of Activities

Year Ended June 30, 2021 (in thousands)

	2021		
	Without Donor Restriction	With Donor Restriction	Total
REVENUES AND OTHER SUPPORT			
Tuition and educational fees, net	\$ 361,041	\$ -	\$ 361,041
Grants and contracts:			
Government sponsors	188,306	-	188,306
Private sponsors	31,551	-	31,551
Facilities and administrative costs recovery	64,709	-	64,709
Total grants and contracts	284,566	-	284,566
Contributions	31,315	56,899	88,214
Endowment distributions	225,569	121,971	347,540
Room, board, and other auxiliary services, net	96,040	-	96,040
Trademark, license, and royalty revenue	113,811	-	113,811
Affiliated entity revenue	180,664	-	180,664
Other sources	114,205	29,087	143,292
Net assets released from restrictions	123,981	(123,981)	-
Total revenues and other support	1,531,192	83,976	1,615,168
EXPENSES			
Salaries, wages, and benefits	727,226	-	727,226
Supplies, services, and other	429,450	-	429,450
Interest expense	19,506	-	19,506
Depreciation	104,791	-	104,791
Grants to affiliate	25,816	-	25,816
Total expenses	1,306,789	-	1,306,789
Results of operations	224,403		
OTHER CHANGES IN NET ASSETS			
Change in appreciation of endowment, net of distributions	2,131,810	1,455,927	3,587,737
Change in appreciation of other investments, net of distributions	220	-	220
Contributions for capital improvements	-	14,607	14,607
Net assets released from restrictions for capital improvements	3,849	(3,849)	-
Nonoperating net asset reclassifications	(138)	138	-
Total other changes in net assets	2,135,741	1,466,823	3,602,564
Changes in net assets attributable to Vanderbilt	2,360,144	1,550,799	3,910,943
Changes in net assets related to noncontrolling interests	(1,173)	-	(1,173)
Total changes in net assets	\$ 2,358,971	\$ 1,550,799	\$ 3,909,770
Net assets, June 30, 2020	\$ 3,499,455	\$ 3,063,103	\$ 6,562,558
Net assets, June 30, 2021	\$ 5,858,426	\$ 4,613,902	\$ 10,472,328

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

Vanderbilt University

Consolidated Statements of Cash Flows

Years Ended June 30, 2022 and 2021 (in thousands)

	2022	2021
CASH FLOWS FROM OPERATING ACTIVITIES		
Change in total net assets	\$ (493,864)	\$ 3,909,770
Adjustments to reconcile change in total net assets to net cash provided by (used in) operating activities:		
Change in net assets related to noncontrolling interests	11,748	1,173
Realized and unrealized loss (gain) on investments, net	456,930	(4,065,829)
Contributions for capital improvements and endowment	(56,954)	(49,915)
Contributions of donated securities	(21,821)	(27,537)
Proceeds from sale of donated securities	3,081	7,953
Depreciation	95,889	104,791
Amortization of bond discounts and premiums	41	41
Amortization of right-of-use assets	12,799	12,960
Loss from disposals of property, plant, and equipment	603	2,259
Change in:		
Accounts receivable, net of accrued investment income	(20,601)	(3,609)
Prepaid expenses and other assets	1,951	2,233
Contributions receivable, net	1,194	16,319
Interests in trusts held by others	(165)	(2,945)
Accounts payable and accrued liabilities, net of nonoperating items	62,614	17,957
Accrued compensation and withholdings	(12,553)	9,007
Deferred revenue	8,229	15,788
Deferred trademark revenue	(43,461)	240,018
Actuarial liabilities	(1,767)	8,714
Lease liabilities	(12,461)	(13,246)
Net cash (used in) provided by operating activities	(8,568)	185,902
CASH FLOWS FROM INVESTING ACTIVITIES		
Purchases of investments	(8,193,224)	(9,490,344)
Proceeds from sales of investments	8,741,715	9,939,296
Purchases of investments allocable to noncontrolling interests	-	(240)
Proceeds from sales of investments allocable to noncontrolling interests	8,140	9,880
Change in accrued investment income	67	277
Acquisitions of property, plant, and equipment	(242,288)	(147,750)
Student loans and other notes receivable disbursed	(2,646)	(1,942)
Principal collected on student loans and other notes receivable	4,048	4,396
Net cash provided by investing activities	315,812	313,573
CASH FLOWS FROM FINANCING ACTIVITIES		
Contributions for capital improvements and endowment	56,954	49,915
Change in government advances for student loans	(1,893)	(2,564)
Principal payments of debt	(8,903)	(8,955)
Proceeds from new debt issuances	49,966	100,000
Proceeds from sale of donated securities restricted for capital improvements and endowment	18,740	19,584
Proceeds from noncontrolling interests in investment partnerships	-	240
Payments to noncontrolling interests in investment partnerships	(8,140)	(9,880)
Net cash provided by financing activities	106,724	148,340
Net increase in cash, cash equivalents, and restricted cash	413,968	647,815
Cash and cash equivalents and restricted cash at beginning of year	\$ 1,686,668	\$ 1,038,853
Cash and cash equivalents and restricted cash at end of year	\$ 2,100,636	\$ 1,686,668
Supplemental disclosure of cash flow information:		
Cash paid for interest	\$ 21,273	\$ 20,681
Accrued liabilities related to additions of property, plant, and equipment	\$ 40,667	\$ 24,576

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

Vanderbilt University

Notes to the Consolidated Financial Statements

1. ORGANIZATION

The Vanderbilt University (“Vanderbilt” or the “university”) is a private, coeducational, not-for-profit, nonsectarian institution located in Nashville, Tennessee. Founded in 1873, Vanderbilt owns and operates educational and research facilities as part of its mission to be a leading center for informed and creative teaching, scholarly research, and public service. Vanderbilt provides educational services to approximately 7,100 undergraduate and 6,700 graduate and professional students enrolled across its 10 schools and colleges.

The consolidated financial statements include the accounts of all entities in which Vanderbilt has a significant financial interest and over which Vanderbilt has control.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Presentation

The consolidated financial statements have been prepared on the accrual basis in accordance with U.S. generally accepted accounting principles (“GAAP”). Vanderbilt eliminates all material intercompany accounts and transactions in consolidation.

Net Asset Classifications

Based on the existence or absence of donor-imposed restrictions, Vanderbilt classifies resources into two categories: without donor restrictions and with donor restrictions.

Net assets without donor restrictions are free of donor-imposed restrictions. This classification includes all revenues, gains, and losses not restricted by donors. Vanderbilt reports all expenses as decreases in net assets without donor restrictions.

Net assets with donor restrictions are subject to donor-imposed restrictions that will be met by either actions of Vanderbilt or the passage of time. These net assets may include unconditional pledges, split-interest agreements, interests in trusts held by others, and donor-restricted endowments. Generally, the donor-imposed restrictions of these assets permit Vanderbilt to use a portion of the income earned on related investments for specific purposes.

Vanderbilt reports expirations of donor restrictions on net assets (i.e., the passage of time and/or fulfillment of donor-imposed stipulations) as net assets released from restrictions between the applicable net asset classes in the consolidated statements of activities.

Cash and Cash Equivalents

Cash and cash equivalents are liquid assets with minimal interest rate risk and maturities of three months or less when purchased. Such assets, reported at fair value, primarily consist of depository account balances, money market funds, and short-term U.S. Treasury securities. Cash designated for investment is included within investments in the accompanying consolidated statements of financial position.

The following table provides a reconciliation of cash and cash equivalents and restricted cash reported within the consolidated statements of financial position that correspond to the amounts reported in the consolidated statements of cash flows.

	2022	2021
Cash and cash equivalents	\$ 1,184,069	\$ 1,124,103
Cash included in investments	916,567	562,565
Total cash and cash equivalents and restricted cash shown in the consolidated statements of cash flows	\$ 2,100,636	\$ 1,686,668

Prepaid Expenses and Other Assets

Prepaid expenses and other assets primarily represent prepaid expenses and other segregated investment-related assets managed by third parties related to a legacy deferred compensation program that are earmarked to ultimately settle certain liabilities recorded in accrued payroll and withholdings. Vanderbilt excludes this latter group of assets, reported at fair value, from the investments category since it will not directly benefit from the investment return.

Fair Value Measurements

Fair value measurements represent the price received to sell an asset or price paid to transfer a liability in an orderly transaction between market participants at the measurement date. GAAP provides a hierarchy for fair value measurements based on the observable inputs to the valuation of an asset or liability at the measurement date. Inputs to the valuation techniques used are prioritized to measure fair value by

Vanderbilt University

giving the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to measurements involving significant unobservable inputs (Level 3 measurements).

Vanderbilt gives consideration to certain investment funds that do not have readily determinable fair values including private investments, hedge funds, real estate, and other funds. Vanderbilt elected the practical expedient which allows for the use of net asset value per share or its equivalent in estimating the fair value of interests in investment companies for which a readily determinable fair value is not available. Vanderbilt reports these assets separately from the fair value hierarchy in Note 12.

Investments

Vanderbilt reports investments at fair value using the three-level hierarchy established under GAAP. After review and evaluation, Vanderbilt utilizes estimates provided by fund managers for certain alternative investments, mainly investments in limited partnerships where a ready market for the investments does not exist.

Vanderbilt has exposure to a number of risks including liquidity, interest rate, counterparty, basis, tax, regulatory, market, and credit risks for both marketable and nonmarketable securities. Due to the level of risk exposure, it is possible that near-term valuation changes for investment securities will occur to an extent that could materially affect the amounts reported in Vanderbilt's financial statements.

Vanderbilt sometimes uses derivatives to manage investment market risks and exposure. The consolidated financial statements contain derivatives, which consist of both internally managed transactions and those entered into through external investment managers, at fair value. The most common instruments utilized are futures contracts and hedges against currency risk for investments denominated in currencies other than U.S. dollars. For internally managed transactions, Vanderbilt utilizes futures contracts with durations of less than three months.

Vanderbilt records purchases and sales of securities on the trade dates, and realized gains and losses are determined based on the average historical cost of the securities sold. Vanderbilt reports net receivables and payables arising from unsettled trades as a component of investments.

Unless donor-restricted endowment gift agreements require separate investment, Vanderbilt manages all endowment investments as an investment pool.

Investments Allocable to Noncontrolling Interests and Net Assets Related to Noncontrolling Interests

Vanderbilt reports the respective assets for entities in which other organizations are minority equity participants at fair value as investments allocable to noncontrolling interests on the consolidated statements of financial position.

The balance representing such organizations' minority or noncontrolling interests is recorded based on contractual provisions, which represent an estimate of a settlement value assuming the entity was liquidated in an orderly fashion as of the report date.

Leases

Vanderbilt determines if an arrangement is or contains a lease at inception. Vanderbilt has both leases under which it is obligated as a lessee and leases for which it is a lessor. Operating leases in which Vanderbilt is a lessee are included in right-of-use assets and lease liabilities on the consolidated statements of financial position. These assets and liabilities are initially recognized based on the present value of the future minimum lease payments over the lease term at commencement date discounted using an appropriate incremental borrowing rate. Options to extend or terminate a lease are included in the amount recognized to the extent that Vanderbilt is reasonably certain to exercise those options. Lease expense for lease payments is recognized on a straight-line basis over the lease term. Variable lease payments based on an index or rate, such as the consumer price index, are initially measured using the index or rate in effect at lease commencement. Rental revenue arising from operating leases in which Vanderbilt is a lessor is included in room, board, and other auxiliary services, net, in the consolidated statements of activities.

Vanderbilt has elected the short-term lease exception under ASU 2016-02, Leases (ASC Topic 842) for all leases, and therefore, leases with an initial term of 12 months or less are not included on the consolidated statements of financial position.

Split-Interest Agreements and Interests in Trusts Held by Others

Vanderbilt's split-interest agreements with donors consist primarily of irrevocable charitable remainder trusts, charitable gift annuities, and life income funds for which Vanderbilt serves as trustee. Vanderbilt reports assets held in these trusts in investments at fair value. Vanderbilt recognizes contribution revenue at the dates the trusts are established, net of the liabilities for the present value of the estimated future payments to the donors and/or other beneficiaries. Annually, Vanderbilt records the change in fair value of split-interest agreements based on the assets that are associated with each trust and recalculates the liability for the present value of the estimated future payments to the donors and/or other beneficiaries.

Vanderbilt is also the beneficiary of certain trusts held and administered by others. Vanderbilt records its share of these trust assets at fair value as interests in trusts held by others with any resulting gains or losses reported as investment income with donor restrictions.

Property, Plant, and Equipment

Purchased property, plant, and equipment, recorded at cost, includes, where appropriate, capitalized interest on construction financing. Vanderbilt capitalizes donated assets at fair value on the date of donation, expenses repairs and maintenance costs as incurred, and expenses additions to the fine art and library collections at the time of purchase.

Vanderbilt calculates depreciation using the straight-line method to allocate the cost of various classes of assets over their estimated useful lives. Vanderbilt follows the half-year convention to calculate depreciation associated with construction-related assets (e.g., land improvements, buildings, leasehold improvements, and fixed equipment). Under the half-year convention, Vanderbilt treats fixed assets constructed during the year as if placed in service on January 1, regardless of in-service date. All other purchased assets (e.g., moveable equipment) begin depreciation on the in-service date. Vanderbilt removes property, plant, and equipment from the accounting records upon disposal.

Conditional asset retirement obligations related to legal requirements to perform certain future activities associated with the retirement, disposal, or abandonment of assets are accrued utilizing site-specific surveys to estimate the net present value for applicable future costs (e.g., asbestos abatement or removal).

Vanderbilt reviews long-lived assets for impairment whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable. Vanderbilt recognizes an impairment charge when the fair value of the asset or group of assets is less than the carrying value.

Debt Portfolio Financial Instruments

Vanderbilt reports long-term debt at carrying value. The carrying value of Vanderbilt's debt is the par amount adjusted for the net unamortized amount of bond premiums and/or discounts.

Contributions

Vanderbilt recognizes unconditional promises to give (pledges) as contribution revenue upon receipt of a commitment from the donor, with payments due in future periods reported as increases in net assets with donor restrictions at the estimated present value of future cash flows. Vanderbilt recognizes pledges net of an allowance for amounts estimated to be uncollectible based upon past collection experience and other judgmental factors.

Vanderbilt records contributions with donor-imposed restrictions as net assets without donor restrictions revenue if the university receives the contribution and meets the restrictions in the same reporting period. Otherwise, Vanderbilt records contributions with donor-imposed restrictions as increases in net assets with donor restrictions.

After meeting donor stipulations, Vanderbilt releases contributions from restriction and recognizes these contributions as net assets without restriction. Vanderbilt releases from restrictions contributions for capital improvements and recognizes these contributions as nonoperating revenue when the related asset is placed in service.

In contrast to unconditional promises, Vanderbilt does not record conditional promises (primarily bequest intentions and conditional grants) until the university meets donor stipulations.

Measure of Operations

The university's measure of operations, the change in net assets without donor restriction from operating activity, as presented in the consolidated statements of activities includes revenue from tuition and fees (net of financial aid), grants and contracts, trademark revenue, revenue from affiliates, contributions for operating programs, endowment distributions in support of operations, and other revenues. Vanderbilt reports operating expenses on the consolidated statements of activities by natural classification.

The university's nonoperating activity within the consolidated statements of activities includes endowment and other investment returns, contributions for capital improvements, and other nonrecurring items.

Income Taxes

Vanderbilt is a tax-exempt organization as described in Section 501(c)(3) of the Internal Revenue Code ("the Code"), and generally is exempt from federal income taxes on related income pursuant to Section 501(a) of the Code. Vanderbilt is, however, subject to federal and state income tax on unrelated business income, and provision for such taxes is included in the accompanying consolidated financial statements. Vanderbilt regularly evaluates its tax position and does not believe it has any material uncertain tax positions that require disclosure or adjustment to the consolidated financial statements.

The Tax Cuts and Jobs Act ("TCJA") impacts Vanderbilt in several ways, including imposing excise taxes on certain excess compensation and net investment income, and establishing new rules for calculating unrelated business taxable income. Vanderbilt has reflected the tax assets, liabilities, and payables in the consolidated financial statements based on reasonable estimates.

Vanderbilt University

Use of Estimates

The preparation of financial statements requires the use of estimates and assumptions that affect the reported amounts of assets, liabilities, revenues, and expenses during the reporting period as well as the disclosure of contingent assets and liabilities. Actual results could differ from these estimates.

Newly Adopted Accounting Standards

On July 1, 2021, Vanderbilt adopted ASU 2020-07, Presentation and Disclosure by Not-for-Profit Entities for Contributed Nonfinancial Assets. This ASU was issued by the Financial Accounting Standards Board (FASB) to address the lack of transparency in the measurement of contributed nonfinancial assets as well as the amount of those contributions used in the university's programs and other activities. Under ASU 2020-07, Not-For-Profit entities should present contributed nonfinancial assets as a separate line item in the consolidated statement of activities and also quantitatively disclose the disaggregation of such assets by type. Further, an entity should disclose various qualitative information regarding the assets such as valuation techniques, how the assets were used, and restrictions on use. Contributed nonfinancial assets are not material to Vanderbilt's financial statements and, therefore, separate line-item presentation and additional disclosures are not presented.

On July 1, 2021, Vanderbilt early adopted ASU 2021-09, Leases (Topic 842): Lessors – Discount Rate for Lessees That Are Not Public Business Entities. Topic 842 currently provides lessees that are not public business entities with a practical expedient that allows them to elect, as an accounting policy, to use a risk-free rate as the discount rate for all leases. The amendments in Update 2021-09 allow those lessees to make the risk-free rate election by class of underlying asset, rather than at the entity-wide level. An entity that makes the risk-free rate election is required to disclose to which asset classes it has elected to apply a risk-free rate. Vanderbilt did not make this policy election and will continue to apply incremental borrowing rates. As such, the adoption of this ASU did not materially impact the consolidated financial statements and related disclosures.

Recent Accounting Pronouncements

In June 2016, the FASB issued ASU 2016-13, Financial Instruments – Credit Losses (Topic 326) Measurement of Credit Losses on Financial Statements. ASU 2016-13 introduces an approach based on expected losses to estimate credit losses on certain types of financial instruments. The amendments of ASU 2016-13 are intended to provide financial statement users with more decision-useful information related to expected credit losses on financial instruments and other commitments to extend credit by replacing the current incurred loss impairment methodology with a methodology that reflects expected credit losses and requires consideration of a broader range of reasonable and supportable information to determine credit loss estimates. ASU 2016-13 was originally effective for fiscal years beginning after December 15, 2020, and interim periods within fiscal years beginning after December 15, 2021. In November of 2019, the FASB issued ASU 2019-10, Financial Instruments – Credit Losses (Topic 326), Derivatives and Hedging (Topic 815), and Leases (Topic 842) Effective Dates, which deferred the effective dates of these standards for certain entities. Based on the updated guidance, ASU 2016-13 is effective fiscal years beginning after December 15, 2022, including interim periods within those fiscal years. Vanderbilt is currently evaluating the effect of adoption on the financial statements and related disclosures.

3. LIQUIDITY AND AVAILABILITY

Financial assets available for general expenditure within one year of June 30 were as follows (*in thousands*):

	2022	2021
Total assets	\$ 13,562,342	\$ 13,883,495
Less nonfinancial assets:		
Property, plant, and equipment, net	1,634,036	1,472,148
Prepaid expenses and other assets	14,923	16,874
Right-of-use assets	58,145	62,359
Less assets unavailable for general expenditure within one year:		
Endowment funds, including institutional endowments	10,232,068	10,805,303
Contributions receivable, greater than one year	87,276	93,702
Interests in trusts held by others and investments allocable to minority interests	48,124	63,637
Annuities, trusts and other illiquid investments ¹	69,183	32,813
Student loans and other notes receivable, net	17,926	19,328
Financial assets available within one year	\$ 1,400,661	\$ 1,317,331

¹ Includes the positive mark-to-market on the \$200.0 million notional 24-month Treasury Lock as of June 30, 2022, of \$46.0 million which is recorded in "Investments" on the consolidated statements of financial position.

Vanderbilt has \$1,400.7 million of financial assets that are available within one year of the balance sheet date to meet cash needs for general expenditure consisting of cash of \$1,184.1 million, accounts receivable of \$114.8 million, contributions receivable, less than one year of \$18.3 million, and short-term investments of \$83.5 million.

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Vanderbilt manages its financial assets for availability when its operating expenditures, liabilities, and other obligations come due. In addition, Vanderbilt invests cash in excess of daily requirements in short-term investments or fixed-income securities. To supplement working capital and investment commitments, Vanderbilt had two general lines of credit of \$250.0 million and \$100.0 million as of June 30, 2022. The line of credit agreement of \$250.0 million matured and was renewed in September 2022. The \$100.0 million line of credit matures in June 2023. One line of credit agreement of \$50.0 million expired in May 2022 and was not renewed upon expiration. In fiscal years 2022 and 2021, Vanderbilt did not borrow against any of its general use lines of credit to support operations. Vanderbilt's commercial paper limitation is \$300.0 million; Vanderbilt had \$50.0 million (par) of taxable commercial paper outstanding as of June 30, 2022, and none outstanding as of June 30, 2021.

Vanderbilt provides liquidity support for debt with short-term remarketing periods through self-liquidity. Additionally, Vanderbilt has institutional endowments of \$5,945.1 million as of June 30, 2022. Although Vanderbilt does not intend to spend from its institutional endowment funds, other than amounts appropriated for general expenditure as part of its annual budget approval and appropriation process, amounts from its institutional endowment funds could be made available if necessary. However, both the endowments with donor-restrictions and institutional endowments contain investments with lock-up provisions that would reduce the total investments that could be made available (refer to Notes 7 and 12 for disclosures about investments).

4. ACCOUNTS RECEIVABLE

The major components of accounts receivable as of June 30 were as follows (*in thousands*):

	2022	2021
VUMC-related agreements	\$ 52,055	\$ 53,476
Research and sponsored programs	37,887	34,842
Royalty distributions receivable	19,227	1,392
Tuition and fees	3,273	3,047
Accrued investment income	817	884
Other	4,601	3,356
Accounts receivable	117,860	96,997
Less: Allowance for uncollectible amounts	(3,060)	(2,730)
Accounts receivable, net	\$ 114,800	\$ 94,267

Vanderbilt records allowances for uncollectible amounts based on management's assessment of expected net collections considering historical trends and current economic factors. Vanderbilt's accounts receivable balance at June 30, 2022, includes \$52.1 million related to agreements with VUMC and \$37.9 million related to research and sponsored programs. These receivables account for 73% of total net receivables as of June 30, 2022.

5. CONTRIBUTIONS RECEIVABLE

Contributions receivable as of June 30 were as follows (*in thousands*):

	2022	2021
Unconditional promises expected to be collected:		
in one year or less	\$ 18,292	\$ 13,060
between one year and five years	99,850	90,614
in more than five years	13,519	19,807
Contributions receivable	131,661	123,481
Less: Discount	(7,685)	(1,429)
Less: Allowance for uncollectible promises	(18,408)	(15,290)
Contributions receivable, net	\$ 105,568	\$ 106,762

Vanderbilt discounts contributions receivable at a rate commensurate with the scheduled timing of receipt. Vanderbilt applied discount rates ranging from 2.8% to 3.0% and 0.1% to 1.0% to amounts outstanding as of June 30, 2022 and 2021, respectively. Vanderbilt's methodology for calculating the allowance for uncollectible promises consists of analyzing write-offs as a percentage of gross pledges receivable along with assessing the age and activity of outstanding pledges.

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Contributions receivable, net as of June 30, were as follows (*in thousands*):

	2022	2021
Restricted for programs and other operational purposes	\$ 31,698	\$ 28,460
Restricted for capital improvements	30,742	32,310
Restricted for endowment	43,128	45,992
Contributions receivable, net	\$ 105,568	\$ 106,762

In addition to pledges reported as contributions receivable, Vanderbilt had cumulative bequest intentions, conditional grants, and conditional promises to give of approximately \$633.9 million and \$574.8 million as of June 30, 2022 and 2021, respectively. Due to their conditional nature, Vanderbilt does not recognize these intentions to give as assets.

6. STUDENT LOANS AND OTHER NOTES RECEIVABLE

Student loans and other notes receivable as of June 30 were as follows (*in thousands*):

	2022			2021		
	Receivable	Allowance	Net	Receivable	Allowance	Net
Student loans:						
Federal	\$ 16,070	\$ (132)	\$ 15,938	\$ 16,970	\$ (125)	\$ 16,845
Institutional	1,435	(351)	1,084	2,526	(556)	1,970
Total student loans	17,505	(483)	17,022	19,496	(681)	18,815
Faculty mortgages	904	-	904	513	-	513
Student loans, other notes receivable, and related allowances	\$ 18,409	\$ (483)	\$ 17,926	\$ 20,009	\$ (681)	\$ 19,328

Vanderbilt remains committed to “no loans” for its undergraduate students, meaning that the university is meeting full-demonstrated financial need with scholarship and grant assistance. For other groups (e.g., professional school students), participation in several federal revolving loan programs, including the Perkins, Nursing, and Health Professionals Student Loan programs, has continued.

Vanderbilt carries loans to students at cost, which, based on secondary market information, approximates the fair value of education loans with similar interest rates and payment terms. The availability of funds for new loans under these programs is dependent on reimbursements to the pool from repayments on outstanding loans.

Vanderbilt assigns loans receivable from students under governmental loan programs, also carried at cost, to the federal government or its designees. Vanderbilt classifies refundable advances from the federal government as liabilities in the consolidated statements of financial position. Outstanding loans canceled under a governmental program result in a reduction of the funds available for loan and a decrease in Vanderbilt’s liability to the government.

Vanderbilt establishes bad debt allowances based on prior collection experience and current economic factors, which, in management’s judgment, could influence the ability of loan recipients to repay amounts due. When deemed uncollectible, Vanderbilt writes off institutional loan balances.

In an effort to attract and retain a world-class faculty, Vanderbilt provides various incentives and historically provided home mortgage financing assistance in select situations. Deeds of trust on properties concentrated in the surrounding region collateralize these notes. Vanderbilt has not recorded an allowance for doubtful accounts for loans based on their collateralization and prior collection history.

7. INVESTMENTS

Investments consist of the following as of June 30 (*in thousands*):

	2022	2021
Short-term securities ¹	\$ 196	\$ 207
Global equities ¹	1,977,690	2,618,367
Fixed income ¹	773,495	790,994
Hedged strategies ²	2,575,991	2,543,523
Private capital ³	3,841,567	4,000,321
Real estate ³	236,009	222,252
Natural resources ³	723,229	495,264
Commodities ⁴	192,619	213,498
Trusts ⁵	23,195	32,813
Private credit ¹	4,411	8,211
Other investments ^{5,6}	53,410	27,375
Total value ⁷	\$ 10,401,812	\$ 10,952,825

¹ Quoted prices in active markets determine fair value, or fund managers provide the net asset value per share of the specific investment to establish fair value.

² Quoted prices in active markets determine fair value, or fund managers provide the net asset value per share of the specific investment to establish fair value. Includes \$916.6 million and \$562.6 million of cash and cash equivalents classified as investments in fiscal 2022 and 2021, respectively.

³ Fund managers provide the net asset value of Vanderbilt's ownership interests at the fund level to establish fair value.

⁴ Quoted prices in active markets determine fair value.

⁵ Carrying value provides a reasonable estimate of fair value for certain components.

⁶ Includes the positive mark-to-market on the \$200.0 million notional 24-month Treasury Lock as of June 30, 2022, of \$46.0 million which is recorded in "Investments" on the consolidated statements of financial position.

⁷ Net of securities sold short of \$614.3 million and \$506.1 million, total value of investments is \$9,741.5 million and \$10,446.7 million in fiscal 2022 and 2021, respectively.

Included in the amounts above are investments allocable to noncontrolling interests (i.e., minority limited partners) reported at fair value. Changes in noncontrolling interests net assets for the fiscal year ended June 30, 2022, were as follows (*in thousands*):

Fair value as of June 30, 2021	\$ 28,808
Distributions to minority limited partners	(8,140)
Capital commitments funded by minority limited partners	-
Appreciation allocable to minority limited partners	(3,607)
Fair value as of June 30, 2022	\$ 17,061

Changes in noncontrolling interests net assets for the fiscal year ended June 30, 2021, were as follows (*in thousands*):

Fair value as of June 30, 2020	\$ 29,981
Distributions to minority limited partners	(9,880)
Capital commitments funded by minority limited partners	240
Appreciation allocable to minority limited partners	8,467
Fair value as of June 30, 2021	\$ 28,808

Short-term securities primarily comprise short-term U.S. Treasury bills.

Global equities consist of investment funds globally diversified across public markets including U.S. markets, other developed markets, and emerging and frontier markets. Fund managers of these investments have the ability to shift investments from value to growth strategies, from small to large capitalization stocks, and from a net long position to a net short position.

Fixed income includes investments directed toward capital preservation and predictable yield as well as more opportunistic strategies focused on generating return on price appreciation. These investments are primarily public investments such as U.S. Treasuries and other government obligations, investment-grade corporate bonds, high-yield corporate bonds, bank debt, commercial mortgage-backed securities, residential non-agency mortgage-backed securities, asset-backed securities, direct lending, and below investment-grade developed and emerging market sovereign debt. Vanderbilt may make investments through commingled vehicles, separately managed accounts, synthetic transactions, and limited partnership interests.

Hedged strategies investments reflect multiple strategies such as event driven, relative value, and equity funds to diversify risks and reduce volatility in the portfolio generally in hedge fund structures. These strategies also include investments in both long and short primarily credit-

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oriented securities. Investments may include mortgage-backed securities, trade finance, debt and asset-backed securities, repurchase agreements, senior loans, bank loans, and cash designated for investment. The fair value of open short positions is recorded as a liability and Vanderbilt records an unrealized gain or loss to the extent of the difference between the proceeds received and the value of the open short position. By entering into short sales, Vanderbilt bears the market risk of increases in the value of the security sold short in excess of the proceeds received. Possible losses from short sales differ from losses that could be incurred from purchases of securities because losses from short sales may be unlimited whereas losses from purchases cannot exceed the total amount invested.

Private capital consists of illiquid investments in buyouts, distressed debt, mezzanine debt, growth equity, and venture capital. Vanderbilt may make investments through commingled vehicles, separately managed accounts, synthetic transactions, limited partnership interests, and direct investments.

Real estate comprises illiquid investments in residential and commercial real estate assets, projects, publicly traded REITs or land held directly through separately managed accounts, limited partnership interests, and direct investments in properties. The nature of the investments in this category is such that distributions generally reflect liquidation of the underlying assets of the funds.

Natural resources include illiquid investments in timber, oil and gas production, mining, energy, and related services businesses held directly or in commingled limited partnership funds.

Commodities include public investments such as commodity futures, commodity-related equities, and private investments in energy, power, infrastructure, and timber. Investments may be made through commingled vehicles, separately managed accounts, synthetic transactions, limited partnership interests, and direct investments.

Trusts are Vanderbilt's split-interest agreements with donors, including charitable gift annuities, life income funds, and other nonendowed trusts.

Private credit includes privately originated or negotiated investments, comprising potentially higher yielding, illiquid opportunities across a range of risk and return profiles. They are not traded on the public markets.

8. ENDOWMENT

Endowment-related assets include donor-restricted endowments and institutional endowments (quasi-endowments). Vanderbilt's endowment does not include gift annuities, interests in trusts held by others, contributions pending donor designation, or contributions receivable.

Interpretation of Relevant Law

The Board of Trust's interpretation of its fiduciary responsibilities for donor-restricted endowments under the Uniform Prudent Management of Institutional Funds Act ("UPMIFA") requirements, barring the existence of any donor-specific provisions, is to preserve intergenerational equity. Under this broad guideline, future endowment beneficiaries should receive at least the same level of real economic support as the current generation. The overarching objective is to preserve and enhance the real (inflation-adjusted) purchasing power of the endowment in perpetuity. Vanderbilt invests assets to provide a relatively predictable and stable stream of earnings to meet spending needs and attain long-term return objectives without the assumption of undue risks.

UPMIFA specifies that unless stated otherwise in a gift instrument, donor-restricted assets in an endowment fund are restricted assets until appropriated for expenditure. Barring the existence of specific instructions in gift agreements for donor-restricted endowments, Vanderbilt reports both the historical value for such endowments and the net accumulated appreciation, including recapitalizations, as net assets with donor restrictions. In this context, historical value represents the original value of initial contributions restricted as perpetual endowments plus the original value of subsequent contributions and, if applicable, the value of accumulations made in accordance with the direction of specific donor gift agreements.

Spending Policy

Specific appropriation for expenditure of Vanderbilt's endowment funds occurs each spring when the Board of Trust approves the university's operating budget for the subsequent fiscal year. For fiscal years 2022 and 2021, Vanderbilt's Board of Trust approved endowment distributions based on 5.0% of the average of the previous three calendar year-end market values. Vanderbilt reinvests actual realized endowment return earned in excess of distributions. For years when the endowment return is less than the distribution, the endowment pool's cumulative returns from prior years cover the shortfall.

Vanderbilt may not fully expend Board-appropriated endowment distributions in a particular fiscal year. In some cases, Vanderbilt will reinvest distributions into the endowment. Institutional endowments, which are Board-designated, include amounts for student scholarships and support for faculty research and teaching.

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The table below summarizes Vanderbilt's endowment for the fiscal years ended June 30 (*in thousands*):

2022	Without Donor Restrictions	With Donor Restrictions	Total
Endowments with donor restrictions	\$ -	\$ 3,974,041	\$ 3,974,041
Reinvested distributions of donor-restricted endowments	163,604	123,357	286,961
Institutional endowments	5,945,066	-	5,945,066
Endowment net assets as of June 30, 2022	\$ 6,108,670	\$ 4,097,398	\$ 10,206,068

2021	Without Donor Restrictions	With Donor Restrictions	Total
Endowments with donor restrictions	\$ -	\$ 4,228,470	\$ 4,228,470
Reinvested distributions of donor-restricted endowments	177,822	130,236	308,058
Institutional endowments	6,391,984	-	6,391,984
Endowment net assets as of June 30, 2021	\$ 6,569,806	\$ 4,358,706	\$ 10,928,512

The purposes of endowments with donor restrictions as of June 30 were as follows (*in thousands*):

	2022	2021
Student scholarships	\$ 1,613,037	\$ 1,693,435
Endowed chairs	1,150,565	1,236,272
Operational support, not yet appropriated	732,738	791,757
Program support	328,096	353,024
Research	99,266	105,540
Capital improvements	51,147	53,210
Faculty support and lectureships	49,669	50,377
Other	72,880	75,091
Total endowments with donor restrictions	\$ 4,097,398	\$ 4,358,706

Return Objectives and Parameters

Currently, the endowment portfolio consists of three primary components designed to serve a specific role in establishing the right balance between risk and return. These three components are global, public, and private equity investments. Vanderbilt expects these three components, including private capital and many hedge funds, to produce favorable returns in environments of accelerated growth and economic expansion. Vanderbilt expects hedged strategies and fixed income investments to generate stable returns and preserve capital during periods of poor equity performance. Vanderbilt uses real estate and natural resources allocations to provide an inflation hedge.

Funds with Deficiencies

From time to time, the fair value of assets associated with an endowed fund may fall below the level that a donor or UPMIFA requires in terms of maintenance of perpetual duration endowments. Vanderbilt has a policy that permits spending from underwater funds, unless specifically prohibited by the donor or relevant laws and regulations. As of June 30, 2022 and 2021, Vanderbilt had 106 and zero funds, respectively, with deficiencies of this nature resulting from unfavorable market declines that occurred after the investment of recent contributions with donor restrictions. Vanderbilt believes these declines are modest in relation to the total market value for donor-restricted endowments and that these deficiencies will be relatively short-term in nature. The amount of such deficiencies for the fiscal years ended June were as follows (*in thousands*):

	2022	2021
Aggregate original gift amount	\$ 29,370	\$ -
Aggregate fair value	27,398	-
Aggregate deficiency	\$ 1,972	\$ -

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Changes in endowment net assets for the fiscal years ended June 30 were as follows (*in thousands*):

2022	Without Donor Restrictions	With Donor Restrictions	Total
Endowment net assets as of June 30, 2021	\$ 6,569,806	\$ 4,358,706	\$ 10,928,512
Endowment investment return, net	(280,728)	(189,712)	(470,440)
Gifts and additions to endowment, net	44,591	77,853	122,444
Endowment distributions	(224,999)	(149,449)	(374,448)
Endowment net assets as of June 30, 2022	\$ 6,108,670	\$ 4,097,398	\$ 10,206,068

2021	Without Donor Restrictions	With Donor Restrictions	Total
Endowment net assets as of June 30, 2020	\$ 4,087,475	\$ 2,829,896	\$ 6,917,371
Endowment investment return, net	2,338,031	1,596,850	3,934,881
Gifts and additions to endowment, net	350,901	72,899	423,800
Endowment distributions	(206,601)	(140,939)	(347,540)
Endowment net assets as of June 30, 2021	\$ 6,569,806	\$ 4,358,706	\$ 10,928,512

9. PROPERTY, PLANT, AND EQUIPMENT

Property, plant, and equipment as of June 30 were as follows (*in thousands*):

	2022	2021
Land	\$ 237,573	\$ 183,338
Buildings and improvements	2,116,130	2,099,304
Moveable equipment	345,075	347,034
Construction in progress	266,091	108,394
Property, plant, and equipment	2,964,869	2,738,070
Less: Accumulated depreciation	(1,330,833)	(1,265,922)
Property, plant, and equipment, net	\$ 1,634,036	\$ 1,472,148

Buildings and improvements include \$14.4 million of leasehold improvements in both the years ended June 30, 2022 and 2021. Vanderbilt reports property, plant, and equipment at cost or, if a gift, at fair value as of the date of the gift, net of accumulated depreciation. Vanderbilt computes depreciation using the straight-line method over the estimated useful lives of the assets: 10 to 50 years for buildings, building improvements, and land improvements; the shorter of the asset life or life of the lease including renewal options for leasehold improvements; and three to 25 years for machinery and equipment.

Purchases for the fine art and library collections are not included in the amounts above as Vanderbilt expenses such items at the time of purchase. As of June 30, 2022, the estimated replacement cost, including processing costs to properly identify, catalog, and shelve materials, for library collections totaled \$464.0 million and for fine art collections totaled \$43.7 million. Any proceeds from deaccessioned collection items are used for the direct care of existing collections. Direct care is an investment that enhances the life, usefulness, or quality of the collection.

Vanderbilt reported capitalized interest of \$3.5 million and \$1.9 million to construction in progress and/or buildings and improvements in the years ended June 30, 2022 and 2021, respectively.

Vanderbilt reviews property, plant, and equipment for recoverability whenever events or changes in circumstances indicate that the carrying amount may not be recoverable. The university recognizes an impairment loss if the carrying amount of a long-lived asset exceeds its fair value and is not recoverable. The carrying amount of a long-lived asset is not recoverable if it exceeds the sum of the undiscounted cash flows expected to result from the use and eventual disposition of the asset. Vanderbilt did not recognize any impairment losses in fiscal 2022 or 2021.

Vanderbilt identified conditional asset retirement obligations, primarily for the costs of asbestos removal and disposal, resulting in liabilities of \$3.8 million and \$3.0 million as of June 30, 2022 and 2021, respectively. These liability estimates, included in accounts payable and accrued liabilities in the consolidated statements of financial position, use an inflation rate of 4.16% and 0.33% as of June 30, 2022 and 2021, respectively, and a discount rate of 4.37% and 2.49% as of June 30, 2022 and 2021, respectively, based on relevant factors at origination.

10. LONG-TERM DEBT

Long-term debt consists of bonds and notes payable with scheduled final maturity dates at least one year after the original issuance date.

Outstanding long-term debt reflected in the financial statements at carrying value as of June 30 were as follows (*in thousands*):

	Fiscal Year of Maturity	Fixed Coupon Interest Rates as of June 30, 2022	Fiscal 2022 Effective Interest Rate	Outstanding Principal	
				2022	2021
FIXED-RATE DEBT					
Series 2016 - Taxable	2047	1.65%–3.44%	3.1%	\$ 115,760	\$ 118,965
Series 2018 – Private Placement	2049	3.93%	3.9%	300,000	300,000
Series 2019 – Private Placement	2038	2.51%	2.5%	108,740	114,200
Series 2020 – Private Placement	2050	3.00%	3.0%	100,000	100,000
Fixed-rate debt (par amount)			3.4%	\$ 624,500	\$ 633,165
Cost of Issuance			-	(996)	(1,037)
Total long-term debt			3.4%	\$ 623,504	\$ 632,128
Taxable commercial paper			0.3%	49,728	-
Total long-term debt and commercial paper			3.2%	\$ 673,232	\$ 632,128

All debt instruments are general obligations of Vanderbilt. Vanderbilt did not pledge any of its assets as collateral for this debt.

Payments for interest costs occur on varying scheduled payment dates for debt. Vanderbilt calculates accrued interest expense for its debt based on applicable interest rates for the respective fiscal year. Interest expense of \$17.9 million and \$19.5 million in fiscal 2022 and 2021, respectively, is net of capitalized interest of \$3.5 million and \$1.9 million, respectively.

Principal retirements and scheduled sinking fund requirements based on nominal maturity schedules for long-term debt due in subsequent fiscal years are as follows (*in thousands*):

2023	\$ 8,885
2024	16,125
2025	16,345
2026	16,605
2027	17,535
Thereafter	549,005
Total long-term debt principal retirements	\$ 624,500

In July 2021, Vanderbilt issued \$50.0 million (par) Commercial Paper under its existing Taxable CP Program Series C to finance a strategic real estate acquisition adjacent to campus and other projects. The exact timing of anticipated payoff of the Commercial Paper is still under discussion internally. On November 14, 2019, Vanderbilt executed a note purchase agreement for \$100.0 million, 3.0% senior notes (private placement) with funding of all proceeds occurring on July 1, 2020, in fiscal 2021 (the “Series 2020 Private Placement”). The Series 2020 Private Placement proceeds provide \$100.0 million of new project funding to finance construction of residential colleges and other strategic capital projects.

On December 6, 2021, Vanderbilt executed a 24-month Treasury Lock (the “Lock”) with a national, United States bank using the underlying 30-year U.S. Treasury rate. The notional amount of the Lock is \$200.0 million. The all-in locked rate, including the forward and execution premium, is 1.8%. Maturity on the Lock is December 6, 2023. No collateral postings are required during the term of the Lock. Vanderbilt executed this Lock in anticipation of future long-term debt issuances in fiscal years 2024 – 2025. The exact timing and amount of these future debt issuances are still under discussion internally as part of Vanderbilt’s long-term strategic capital planning evaluation process. As of June 30, 2022, the positive mark-to-market on this Lock was \$46.0 million and is recorded in “Investments” on the consolidated statements of financial position.

11. NET ASSETS

The following is a summary of net assets as of June 30 (*in thousands*):

2022	Without donor restriction	With donor restriction	Total
Operations	\$ 221,687	\$ -	\$ 221,687
Deferred trademark license revenue	(1,841,610)	-	(1,841,610)
Net investment in plant	1,126,123	-	1,126,123
Endowment funds	6,108,670	4,097,398	10,206,068
Donor pledges and gifts	-	176,944	176,944
Split-interest agreements	-	72,191	72,191
Net assets attributable to Vanderbilt	5,614,870	4,346,533	9,961,403
Net assets related to noncontrolling interests	17,061	-	17,061
Total net assets as of June 30, 2022 ¹	\$ 5,631,931	\$ 4,346,533	\$ 9,978,464

¹ Total net assets with donor restrictions as of June 30, 2022, includes net asset with donor restrictions restricted in perpetuity of \$1,654,864.

2021	Without donor restriction	With donor restriction	Total
Operations	\$ 185,977	\$ -	\$ 185,977
Deferred trademark license revenue	(1,885,071)	-	(1,885,071)
Net investment in plant	958,906	-	958,906
Endowment funds	6,569,806	4,358,706	10,928,512
Donor pledges and gifts	-	163,515	163,515
Split-interest agreements	-	91,681	91,681
Net assets attributable to Vanderbilt	5,829,618	4,613,902	10,443,520
Net assets related to noncontrolling interests	28,808	-	28,808
Total net assets as of June 30, 2021 ¹	\$ 5,858,426	\$ 4,613,902	\$ 10,472,328

¹ Total net assets with donor restrictions as of June 30, 2021, includes net asset with donor restrictions restricted in perpetuity of \$1,598,094.

12. FAIR VALUE MEASUREMENT

Vanderbilt utilizes a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value into three levels:

Level 1 consist of quoted prices (unadjusted) in active markets for identical assets or liabilities accessible at the measurement date.

Level 2 include inputs other than quoted prices in Level 1 directly or indirectly observable for the assets or liabilities.

Level 3 are unobservable inputs for the assets or liabilities.

The level in the fair value hierarchy within which a fair value measurement in its entirety is classified depends on the lowest level input that is significant to the fair value measurement.

The significance of the unobservable inputs to the overall fair value measurement determines the classification of a financial instrument within level 3.

The consolidated statements of activities reflect: all realized and unrealized gains and losses net of expenses on investments as appreciation of endowment or appreciation of other investments; gains and losses on investments allocable to noncontrolling interests as a component of appreciation of endowment; and net realized and unrealized gains and losses on interests in trusts held by others as other sources.

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Rollforwards of amounts for level 3 financial instruments for the fiscal years ended June 30 follow (in thousands):

	Beginning balance as of June 30, 2021	Net realized and unrealized gains (losses) ¹	Purchases	Sales	Transfers into/(out of) level 3	Ending balance as of June 30, 2022
LEVEL 3 ASSETS						
Real estate	\$ 16	\$ -	\$ -	\$ -	\$ -	\$ 16
Natural resources	15,226	859	-	(16,085)	-	-
Trusts	32,813	(3,842)	2,207	(7,983)	-	23,195
Other investments	1,437	63	364	(216)	-	1,648
Interests in trusts held by others	34,829	(3,766)	-	-	-	31,063
Total Level 3	\$ 84,321	\$ (6,686)	\$ 2,571	\$ (24,284)	\$ -	\$ 55,922

¹ Total unrealized gains/(losses) relating to level 3 investment assets held by the university at June 30, 2022, is (\$24,043.7) and is reflected in "Appreciation of endowment, net of distributions" for private capital and natural resources categories as well as "Other sources" for remaining categories in the consolidated statement of activities.

	Beginning balance as of June 30, 2020	Net realized and unrealized gains (losses) ¹	Purchases	Sales	Transfers into/(out of) level 3	Ending balance as of June 30, 2021
LEVEL 3 ASSETS						
Private capital	\$ 2,368	\$ 1,051	\$ -	\$ (3,419)	\$ -	\$ -
Real estate	18	-	-	(2)	-	16
Natural resources	28,268	2,516	-	(15,558)	-	15,226
Trusts	26,568	7,690	1,480	(2,925)	-	32,813
Other investments	2,171	113	-	(847)	-	1,437
Interests in trusts held by others	27,853	7,669	-	(693)	-	34,829
Total Level 3	\$ 87,246	\$ 19,039	\$ 1,480	\$ (23,444)	\$ -	\$ 84,321

¹ Total unrealized gains/(losses) relating to level 3 investment assets held by the university at June 30, 2021, is \$13,964.6 and is reflected in "Appreciation of endowment, net of distributions" for private capital and natural resources categories as well as "Other sources" for remaining categories in the consolidated statement of activities.

The following tables present the amounts within each valuation hierarchy level for those assets and liabilities carried at fair value: cash and cash equivalents; investments; investments allocable to noncontrolling interests (in Vanderbilt-controlled real estate and other partnerships); interests in trusts held by others; securities sold short; and the fair value of interest rate exchange agreements.

Also included in the following tables, as a measure of liquidity, are the redemption terms and restrictions of investments, along with the numbers of days' notice required to liquidate these investments. Most investments classified as levels 2 and 3 consist of shares or units in investment funds as opposed to direct interests in the funds' underlying holdings. Vanderbilt's ability to redeem its interest at or near the financial statement date determines the net assets' classification as level 2 or level 3. Vanderbilt defines near-term as within 90 days of the financial statement date. The total asset values for short-term securities, global equities, fixed income, hedged strategies, and commodities provide varying levels of liquidity, with daily to annual redemption frequencies. These strategies allow Vanderbilt to provide notice to the fund managers to exit from the respective funds in the time periods noted.

The total asset values for private capital, real estate, natural resources, private credit, and other investments are illiquid as of June 30, 2022, and as of June 30, 2021. These amounts predominantly consist of limited partnerships. Under the terms of these limited partnership agreements, Vanderbilt is obligated to remit additional funding periodically as capital calls are exercised by the general partner. These partnerships have a limited existence, and the agreements may provide for annual extensions relative to the timing for disposing portfolio positions and returning capital to investors. Depending on market conditions, the ability or inability of a fund to execute its strategy, and other factors, the general partner may extend the terms or request an extension of terms of a fund beyond its originally anticipated existence or may liquidate the fund prematurely. Unforeseen events prevent Vanderbilt from anticipating such changes. As a result, the timing and amount of future capital calls or distributions in any particular year are uncertain and the related asset values are illiquid.

Trusts are restricted by donors according to the underlying gift agreement with assets held to satisfy annuity obligations or until a remainder portion becomes available upon termination. As such, trusts are illiquid until termination, the timing of which is unknown.

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The following tables summarize the fair value measurements and terms for redemptions or liquidations for those assets and liabilities carried at fair value as of June 30 (*in thousands*):

Assets Reported at Fair Value as of June 30, 2022						
	Fair Value Measurements					Total
	Level 1	Level 2	Level 3	NAV		
Cash and cash equivalents	\$ 1,184,069	\$ -	\$ -	\$ -	\$ -	\$ 1,184,069
Short-term securities	196	-	-	-	-	196
Global equities	1,707,847	59,533	-	210,310	-	1,977,690
Fixed income	234,873	482,167	-	56,455	-	773,495
Hedged strategies ¹	1,559,700	626,787	-	389,504	-	2,575,991
Private capital	17,019	4,825	-	3,819,723	-	3,841,567
Real estate	-	-	16	235,993	-	236,009
Natural resources	122	-	-	723,107	-	723,229
Commodities	192,619	-	-	-	-	192,619
Trusts	-	-	23,195	-	-	23,195
Private credit	-	-	-	4,411	-	4,411
Other investments ²	(12,404)	64,166	1,648	-	-	53,410
Interests in trusts held by others	-	-	31,063	-	-	31,063
Total assets reported at fair value	\$ 4,884,041	\$ 1,237,478	\$ 55,922	\$ 5,439,503	\$ -	\$ 11,616,944

Liabilities Reported at Fair Value as of June 30, 2022						
Securities sold short	\$ 511,012	\$ 103,304	\$ -	\$ -	\$ -	\$ 614,316
Total liabilities reported at fair value	\$ 511,012	\$ 103,304	\$ -	\$ -	\$ -	\$ 614,316

¹ Includes \$916.6 million of cash and cash equivalents classified as investments.

² Includes the positive mark-to-market on the \$200.0 million notional 24-month Treasury Lock as of June 30, 2022, of \$46.0 million which is recorded in "Investments" on the consolidated statements of financial position.

Assets Reported at Fair Value as of June 30, 2021						
	Fair Value Measurements					Total
	Level 1	Level 2	Level 3	NAV		
Cash and cash equivalents	\$ 1,124,103	\$ -	\$ -	\$ -	\$ -	\$ 1,124,103
Short-term securities	207	-	-	-	-	207
Global equities	2,092,745	64,185	-	461,437	-	2,618,367
Fixed income	281,688	509,306	-	-	-	790,994
Hedged strategies ¹	1,444,050	662,050	-	437,423	-	2,543,523
Private capital	13,991	2,216	-	3,984,114	-	4,000,321
Real estate	-	-	16	222,236	-	222,252
Natural resources	258	-	15,226	479,780	-	495,264
Commodities	213,498	-	-	-	-	213,498
Trusts	-	-	32,813	-	-	32,813
Private credit	-	-	-	8,211	-	8,211
Other investments	5,397	20,541	1,437	-	-	27,375
Interests in trusts held by others	-	-	34,829	-	-	34,829
Total assets reported at fair value	\$ 5,175,937	\$ 1,258,298	\$ 84,321	\$ 5,593,201	\$ -	\$ 12,111,757

Liabilities Reported at Fair Value as of June 30, 2021						
Securities sold short	\$ 416,017	\$ 90,076	\$ -	\$ -	\$ -	\$ 506,093
Total liabilities reported at fair value	\$ 416,017	\$ 90,076	\$ -	\$ -	\$ -	\$ 506,093

¹ Includes \$562.6 million of cash and cash equivalents classified as investments.

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Redemption Terms and Restrictions as of June 30, 2022

	2022 Fair Value	Redemption Terms	Redemption Restrictions
Cash and cash equivalents	\$ 1,184,069	Daily, with same-day to 90-day notice	No restrictions
Short-term securities	196	Daily, with 1-day notice	No restrictions
Global equities	1,977,690	Daily to annually, with 1- to 90-day notice	Lock-up provision ranging from none to 2 years
Fixed income	773,495	Daily to annually, with 1- to 365-day notice	No restrictions
Hedged strategies	2,575,991	Daily to annually, with 15- to 90-day notice	Lock-up provision ranging from none to 2 years
Private capital	3,841,567	N/A	Not redeemable
Real estate	236,009	N/A	Not redeemable
Natural resources	723,229	N/A	Not redeemable
Commodities	192,619	Daily, with 1- to 30-day notice	No restrictions
Trusts	23,195	N/A	Not redeemable
Private credit	4,411	N/A	Not redeemable
Other investments	53,410	N/A	Not redeemable
Interests in trusts held by others	31,063	N/A	Not redeemable

13. LEASES

Vanderbilt has recognized operating right-of-use assets (ROU) and lease liabilities for leases on its consolidated statements of financial position. The balances of prepaid and accrued rent, lease incentives, and unamortized assets and liabilities are presented within operating lease ROU assets on Vanderbilt's consolidated statements of financial position.

Vanderbilt is obligated under numerous operating leases to pay base rent through the respective lease expiration dates. Operating leases primarily consist of equipment and real property for educational campus facilities and office space with remaining lease terms of up to 10 years through fiscal 2032. Variable lease payments based on an index or rate, such as the consumer price index, are initially measured using the index or rate in effect at lease commencement. Vanderbilt has elected the short-term lease exception under Topic 842 for all leases and, as such, leases with an initial term of 12 months or less are not recorded on the consolidated statements of financial position. Vanderbilt recognizes lease expense for short-term leases on a straight-line basis over the lease term.

The following tables summarize the total lease expenses components incurred for the fiscal years ended June 30 (*in thousands*):

	2022	2021
Operating lease expense	\$ 12,824	\$ 13,229
Short-term lease expense	3,846	5,620
Total lease expense	\$ 16,670	\$ 18,849

Other lease information	2022	2021
Cash paid for amounts included in the measurement of lease liabilities:		
Operating cash flows from operating leases	\$ 12,917	\$ 13,667
Right-of-use assets obtained in exchange for new operating lease liabilities	\$ 6,560	\$ 2,316
Weighted-average remaining lease term - operating leases	6.36 Years	6.36 Years
Weighted-discount rate - operating leases	2.08%	2.48%

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The undiscounted cash flows due by fiscal year related to significant noncancelable operating leases with initial terms in excess of one year as of June 30, 2022, along with a reconciliation to the discounted amount recorded as of June 30, 2022, were as follows (*in thousands*):

2023	\$	13,761
2024		13,405
2025		13,234
2026		13,094
2027		5,260
Thereafter		6,372
Total undiscounted cash flows		\$ 65,126
Less amount representing imputed interest		4,474
Total lease obligation		\$ 60,652

Property leases for buildings owned by Vanderbilt University Medical Center (49%) and 2100 West End Avenue (25%) account for approximately 74% of the total future minimum rentals as of June 30, 2022.

Vanderbilt is the lessor in several long-term noncancelable operating leases for commercial space through fiscal year 2114. Property leases owned by Vanderbilt University and leased by Vanderbilt University Medical Center account for approximately 98% of the total future minimum operating rental revenue as of June 30, 2022.

Future minimum operating rental revenue due as of June 30, 2022, is summarized below (*in thousands*):

2023	\$	31,581
2024		31,230
2025		30,973
2026		29,728
2027		23,376
Thereafter		1,718,359
Total future minimum rentals		\$ 1,865,247

14. REVENUE RECOGNITION

The following table presents Vanderbilt's sources of revenue as of June 30 as follows (in thousands):

	2022	2021
Tuition and educational fees, net		
Undergraduate [net of financial aid, \$177,814 and \$176,515, respectively]	\$ 226,061	\$ 210,096
Professional [net of financial aid, \$64,455 and \$58,349, respectively]	152,871	142,434
Graduate [net of financial aid, \$55,092 and \$52,153, respectively]	8,942	8,511
Total tuition and educational fees, net	387,874	361,041
Grants:		
Government sponsors ¹	141,974	152,265
Private sponsors ¹	7,692	8,243
Facilities and administrative costs recovery ¹	42,880	40,756
Contracts:		
Government sponsors ²	39,033	36,041
Private sponsors ³	14,848	23,308
Facilities and administrative costs recovery ⁴	25,397	23,953
Total grants and contracts	271,824	284,566
Contributions ¹	117,800	88,214
Endowment distributions ¹	374,448	347,540
Room, board, and other auxiliary services, net		
Room and board, net [net of financial aid, \$44,453 and \$26,376, respectively]	47,188	30,097
Auxiliary revenue from affiliates	34,837	34,795
West Trace	15,181	7,318
Vanderbilt Legends Club	11,123	10,530
External rental revenue ¹	7,727	6,557
Parking and vehicle registration	5,434	3,431
Commissions revenue	3,183	1,714
Other auxiliary services	4,644	1,598
Total room, board, and other auxiliary services, net	129,317	96,040
Trademark, license, and royalty revenue	208,566	113,811
Affiliated entity revenue	185,527	180,664
Other sources		
Television revenue	37,798	57,684
Tournament revenue	14,151	17,895
Student athletics ticket revenue	5,726	21
Conference and seminar revenue	4,697	3,258
Child care operations	3,906	3,006
Miscellaneous revenue from affiliate	2,780	3,927
Miscellaneous reimbursement from third parties	-	8,803
Investment (loss) income ¹	(14,565)	35,451
Other miscellaneous revenue	18,223	13,247
Total other sources	72,716	143,292
Total revenues and other support	\$ 1,748,072	\$ 1,615,168

¹ Not considered revenue from contracts with customers

² Revenue from government sponsors includes contracts with customers of \$38.0 million and contributions of \$1.0 million in fiscal 2022 and contracts with customers of \$34.0 million and contributions of \$2.0 million in fiscal 2021.

³ Revenue from private sponsors includes contracts with customers of \$15.0 million in fiscal 2022 and contracts with customers of \$23.0 million in fiscal 2021.

⁴ Revenue from facilities and administrative costs recovery includes contracts with customers of \$25.0 million in fiscal 2022 and contracts with customers of \$23.0 million and contributions of \$1.0 million in fiscal 2021.

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Vanderbilt's related revenue recognition policies are:

Tuition and educational fees, net—Vanderbilt recognizes student tuition and educational fees as performance obligations are satisfied over time in the amount that reflects the consideration expected for providing academic services in the year those services occur. Vanderbilt reflects financial aid provided for tuition and educational fees as a reduction to the expected consideration. Financial aid does not include payments made to students for services provided to Vanderbilt or financial aid applied to undergraduate room and board. In addition, students who adjust their course load or withdraw completely within the first three weeks of the academic term may receive a full or partial refund in accordance with Vanderbilt's refund policy. Refunds issued reduce the amount of tuition recognized. Tuition payments from students are due approximately 30 days after the invoice date.

Grants and contracts—Vanderbilt records revenues related to grants and contracts in two portfolio categories based on the source of the funds:

Government Sponsors provide funding for research largely to advance knowledge for public or academic benefit in direct support of Vanderbilt's mission. Vanderbilt primarily considers these sponsored research agreements to be contributions (nonreciprocal transactions). Vanderbilt recognizes grant and contract revenue associated with contributions from government sponsors as earned when the conditions are met (allowable expenses have been incurred). Additionally, a small portion of government-sponsored awards qualifies as exchange (reciprocal) transactions. The transaction price for exchange transactions is the stated amount of the award. Vanderbilt recognizes grants and contracts revenue related to these exchange transactions as performance obligations are satisfied based on the terms of the agreement.

Private Sponsors consist of private agencies, professional associations, private foundations, corporate foundations and corporations and may be either donors or sponsors depending on the nature, intent, and expectations of the funding they are providing. Vanderbilt recognizes revenue associated with contributions from private sponsors as the conditions are met. Additionally, some private sponsor awards qualify as exchange (reciprocal) transactions. The transaction price for exchange transactions is the stated amount of the award. Vanderbilt recognizes grants and contracts revenue related to these exchange transactions at the time services are provided.

Facilities and administrative (F&A) costs recovery is recognized by Vanderbilt as revenue. This activity represents reimbursement, primarily from the federal government, of F&A costs on sponsored activities. Vanderbilt's federal F&A cost recovery rate for on-campus research was 58.5% and 58.0% in fiscal 2022 and in fiscal 2021, respectively. Vanderbilt's federal F&A off-campus research remote cost recovery rate was 26.0% in fiscal 2022 and in fiscal 2021. Vanderbilt's federal F&A off-campus research adjacent cost recovery rate was 29.5% and 29.4% in fiscal 2022 and in fiscal 2021, respectively.

Endowment distributions—Endowment distributions reported as operating revenue consist of endowment return (regardless of when such income arose) distributed to support operational needs in the current period. Vanderbilt's Board of Trust approves the distribution amount from the endowment pool on an annual basis, determined by applying a spending rate to an average of the previous three calendar year-end market values. The primary objective of the endowment distribution methodology is to reduce the impact of capital market fluctuations on operational programs.

Trademark, license, and royalty revenue—The Trademark License Agreement ("TML") between Vanderbilt and VUMC comprises the majority of trademark, license, and royalty revenue. Vanderbilt recognizes all trademark, license, and royalty revenues upon satisfaction of the performance obligation in accordance with the terms of the underlying agreements, which generally result in recognition of the revenue over the term of the agreement. In July 2018, Vanderbilt recorded \$1.43 billion related to the securitized trademark revenue stream as deferred revenue on the statement of financial position and recognizes related revenue upon satisfaction of the performance obligation in accordance with the 30-year term of the underlying agreement. In December 2019, Vanderbilt sold 30 years of a portion of the 1%-of-VUMC revenue TML payment stream in exchange for cash consideration of \$331.6 million. In February 2021, Vanderbilt sold 29 years of an additional portion of the 1%-of-VUMC revenue TML payment stream in exchange for cash consideration of \$277.2 million.

Affiliated entity revenue—Affiliated entity revenue represents amounts received from VUMC to support and ensure sustainability of the upstream research pipeline and other academic initiatives and to compensate Vanderbilt for the provision of operating and capital infrastructure services to VUMC, primarily in campus infrastructure, campus safety and security, and various support functions. Vanderbilt recognizes affiliated entity revenues upon satisfaction of the performance obligation in accordance with the terms of the underlying agreements.

Investment income—Investment income consists of distributions associated with working capital assets invested in long-term pooled investments managed in conjunction with endowment funds and dividends, interest, and gains/losses on other university investments. Vanderbilt reports any difference between total returns for pooled working capital assets and the aforementioned distributions as nonoperating activity. Investment income is included in "Other sources" on the consolidated statements of activities.

Other revenue—Vanderbilt recognizes revenue from other sources as the related services are provided and/or amounts are otherwise earned upon satisfaction of the performance obligation in accordance with the terms of the underlying agreements.

15. FUNCTIONAL CLASSIFICATION OF EXPENSES AND ALLOCATIONS

Vanderbilt presents functional classification of expenses in accordance with the mission of the university. Vanderbilt's primary programs are instruction and academic support, research and public services, and student services. Support activities are incurred in support of these primary programs.

For operating expenses that benefit multiple functional categories, Vanderbilt allocates these expenses to reflect the full cost of all activities. Based on the functional uses of space on its campus, Vanderbilt allocated operation and maintenance of facilities, depreciation, and interest on indebtedness across functional expense categories.

The following tables summarize operating expenses by natural and functional classification for the fiscal years ended June 30 (*in thousands*):

	Instruction & academic support	Research & public service	Student services	Total program expenses	Support activities	Total expenses
2022						
Salaries, wages, and benefits	\$ 359,736	\$ 131,342	\$ 68,873	\$ 559,951	\$ 206,692	\$ 766,643
Supplies, services, and other	224,535	74,951	63,678	363,164	175,197	538,361
Interest	2,594	975	686	4,255	13,623	17,878
Depreciation	21,921	15,927	9,964	47,812	48,077	95,889
Grants to affiliate	-	28,100	-	28,100	-	28,100
Total expenses	\$ 608,786	\$ 251,295	\$ 143,201	\$ 1,003,282	\$ 443,589	\$ 1,446,871

	Instruction & academic support	Research & public service	Student services	Total program expenses	Support activities	Total expenses
2021						
Salaries, wages, and benefits	\$ 342,719	\$ 126,654	\$ 71,517	\$ 540,890	\$ 186,336	\$ 727,226
Supplies, services, and other	143,498	71,539	45,901	260,938	168,512	429,450
Interest	2,459	1,024	753	4,236	15,270	19,506
Depreciation	22,861	16,926	11,662	51,449	53,342	104,791
Grants to affiliate	-	25,816	-	25,816	-	25,816
Total expenses	\$ 511,537	\$ 241,959	\$ 129,833	\$ 883,329	\$ 423,460	\$ 1,306,789

16. RETIREMENT PLANS

Vanderbilt's eligible faculty and staff members participate in a defined contribution retirement plan administered by a third-party investment firm. For these employees, this plan requires employee and matching employer contributions. The employee immediately vests in these contributions upon eligibility.

Vanderbilt funds the obligations under these plans through payroll transfers to the respective retirement plan administrators with the corresponding expenses recognized in the year incurred. Vanderbilt's retirement plan contributions for fiscal 2022 and 2021 were \$21.5 million and \$21.0 million, respectively.

17. COMMITMENTS AND CONTINGENCIES

(A) *Construction.* As of June 30, 2022, Vanderbilt had contractual commitments for approximately \$136.9 million of projects under construction and equipment purchases. The largest component of this commitment amount was for residential college construction for \$82.7 million and \$31.0 million for Kirkland Hall: Sesquicentennial Renovation.

(B) *Litigation.* On May 17, 2016, a former Vanderbilt football player filed suit against the NCAA, the SEC, and Vanderbilt in the Middle District of Florida in Orlando seeking class action status for students who played football at Vanderbilt between 1952 and 2010. The suit is styled *Walthour v. Vanderbilt University, et al.*, No. 16-cv-834 (M.D. Fl.). Walthour alleged he suffered "several" concussions and now has cognitive functioning problems, such as loss of memory, mood swings, sensitivity to light, and blackouts. The suit has been transferred to the Northern District of Illinois for pretrial purposes as a tag-along action to the multidistrict litigation styled *In re: National Collegiate Athletic Association Student-Athlete Concussion Injury Litigation*, MDL No. 2492.

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Vanderbilt believes that the outcome of this action will not have a significant effect on its consolidated financial position. Vanderbilt is otherwise involved in various legal actions occurring in the normal course of activities which will not have a material adverse effect on Vanderbilt's financial position.

(C) *Regulations.* Vanderbilt's compliance with regulations and laws is subject to future government reviews and interpretations, as well as regulatory actions unknown at this time. Vanderbilt believes that any potential liability from such reviews would not have a significant effect on Vanderbilt's consolidated financial position.

(D) *Employee Health and Workers Compensation Insurance.* Vanderbilt is self-insured for employee health insurance and workers compensation coverage. Vanderbilt bases estimated liabilities upon studies conducted by independent actuarial firms.

(E) *Federal and State Contracts and Other Requirements.* Expenditures related to federal and state grants and contracts are subject to adjustment based upon review by the granting agencies. Amounts of expenditures that granting agencies might disallow cannot be determined at this time. These amounts affect government grants and contract revenue as well as facilities and administrative cost recovery. Vanderbilt would not expect these costs to materially impact the consolidated financial position.

(F) *Partnership Investment Commitments.* Vanderbilt had \$1,535.8 million of commitments to venture capital, real estate, and private equity investments as of June 30, 2022. At the request of the general partners, Vanderbilt may be required to contribute funds over the next several years. Vanderbilt expects to finance these commitments with available cash and expected proceeds from the sales of securities. Included in these commitments is \$6.1 million of commitments for which Vanderbilt is a secondary guarantor for commitments in certain investment vehicles where minority limited partners in subsidiaries that Vanderbilt controls have the primary obligations.

18. RELATED PARTIES

Intermittently, members of Vanderbilt's Board of Trust or Vanderbilt employees may be directly or indirectly associated with companies engaged in business activities with the university. Accordingly, Vanderbilt has a written conflict of interest policy that requires, among other things, that members of the university community (including trustees) may not review, approve, or administratively control contracts or business relationships when (a) the contract or business relationship is between Vanderbilt and a business in which the individual or a family member has a material financial interest or (b) the individual or a family member is an employee of the business and is directly involved with activities pertaining to Vanderbilt.

Furthermore, Vanderbilt's conflict of interest policy extends beyond the foregoing business activities in that disclosure is required for any situation in which an applicable individual's financial, professional, or other personal activities may directly or indirectly affect, or have the appearance of affecting, an individual's professional judgment in exercising any university duty or responsibility, including the conduct or reporting of research.

The policy extends to all members of the university community (including trustees, university officials, and faculty and staff and their immediate family members). Each applicable person is required to certify compliance with the conflict of interest policy on an annual basis. This certification includes specifically disclosing whether Vanderbilt conducts business with an entity in which he or she (or an immediate family member) has a material financial interest as well as any other situation that could appear to present a conflict with Vanderbilt's best interests. When situations exist relative to the conflict of interest policy, Vanderbilt takes active measures to manage appropriately the actual or perceived conflict in the best interests of the university, including periodic reporting of the measures taken to the Audit Committee of the Vanderbilt University Board of Trust.

See Note 19 to the consolidated financial statements for discussion regarding the ongoing economic relationship between Vanderbilt and VUMC.

19. VANDERBILT UNIVERSITY MEDICAL CENTER

Vanderbilt has an ongoing economic relationship with VUMC in the form of an Academic Affiliation Agreement ("AAA"), a Trademark Licensing Agreement, a Ground Lease, and a Master Service Agreement ("MSA").

The AAA recognizes the ongoing academic, research, and clinical affiliation between the university and VUMC for all of the university's degree-granting, certificate, and research programs. The AAA serves to allocate responsibility between the university and VUMC for jointly administered academic programs, residency programs, and ongoing roles and rights of the university. The AAA will remain in effect until termination of the TML or Ground Lease.

Pursuant to the TML, the university grants, subject to certain consents and approvals, a perpetual license to VUMC to use various university-owned licensed marks in connection with VUMC's fundamental activities. The licensed marks, which VUMC will continue to use as the

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primary brands of VUMC, include virtually all those currently in use by VUMC. The TML will remain in effect until termination of the AAA or Ground Lease.

In July 2018, Vanderbilt securitized 30 years of one of the university's trademark revenue streams and sold the remaining \$89.6 million balance of a promissory note receivable. This securitization occurred on a true-sale basis to a group of external investors in exchange for net cash consideration of \$1.43 billion and a special interest obligation equivalent to the remaining future promissory note interest stream. In December 2019, Vanderbilt securitized 30 years of a portion of the 1%-of-VUMC revenue TML payment stream in exchange for cash consideration of \$331.6 million. This securitization occurred on a true-sale basis. In February 2021, Vanderbilt securitized 29 years of a portion of the 1%-of-VUMC revenue TML payment stream in exchange for cash consideration of \$277.2 million. This securitization occurred on a true-sale basis.

The Ground Lease allows VUMC to use the land on which its campus and related buildings are located. The initial term of the Ground Lease ends June 30, 2114, with the option to extend for up to two additional terms of 50 to 99 years each upon mutual agreement by Vanderbilt and VUMC.

Vanderbilt and VUMC provide specified services to one another for agreed-upon consideration as outlined in the MSA. Vanderbilt continues to provide services to VUMC such as IT support, utilities, and law enforcement staffing. VUMC will continue to provide graduate medical education and training to Vanderbilt. The terms of these service agreements between Vanderbilt and VUMC are unique to each agreement.

20. SUBSEQUENT EVENTS

Vanderbilt evaluated events subsequent to June 30, 2022, through September 30, 2022, the date of issuance of the consolidated financial statements.

On August 2, 2022, Vanderbilt completed a strategic asset acquisition of land and property for a total purchase consideration of \$3.8 million. This transaction will be recorded as an asset acquisition in accordance with Accounting Standards Codification (ASC) 805, Business Combinations.

On August 29, 2022, Vanderbilt announced an agreement for naming rights for the football stadium for \$31.0 million to be collected and recognized over the life of the 10-year agreement.

Vanderbilt did not identify any other material subsequent events for recognition or disclosure.

Financial Responsibility Ratios

The Higher Education Act (HEA) allows for the establishment of ratios or other criteria for measuring whether an institution has sufficient financial responsibility. The current regulations establish a methodology based on three ratios that measure different aspects of financial health and are combined into a composite score to measure financial responsibility. All of the amounts appearing below agree to the similarly titled captions within our accompanying Consolidated Statement of Financial Position and Consolidated Statement of Activities, with the exception of net assets with donor restrictions: restricted in perpetuity, which agrees to the amount disclosed in Note 11 to the consolidated financial statements.

The three ratios are as follows:

Primary Reserve Ratio

Expendable Net Assets / Total Expenses Without Donor Restrictions and Losses Without Donor Restrictions

The *primary reserve ratio* is a reasonable measure of financial strength and a broad measure of liquidity. This ratio measures expendable resources within the context of operating size, and therefore provides a measure of relative wealth or wealth against commitments of the institution. Expendable net assets comprise unrestricted net assets controlled by Vanderbilt, net assets with donor restrictions on time and purpose, and net investment in plant. Expenses without donor restrictions and losses without donor restrictions comprise all expenses and losses without donor restrictions from the Statement of Activities less any losses without donor restrictions on investments.

The following table presents Vanderbilt's primary reserve ratio calculation as of June 30, 2022 (*in thousands*):

Primary Reserve Ratio	2022	Calculation
Expendable net assets		
Net assets without donor restrictions, controlled by Vanderbilt	\$ 5,614,870	
Net assets with donor restrictions	4,346,533	
Less net assets with donor restrictions: restricted in perpetuity	(1,654,864)	
Less property, plant, and equipment, net	(1,634,036)	
Long-term debt	623,504	
Total expendable net assets		7,296,007
Total expenses without donor restrictions and losses without donor restrictions		
Total expenses	1,446,871	
Appreciation of endowment, net of distributions	502,778	
Nonoperating net asset reclassifications	1,869	
Total expenses without donor restrictions and losses without donor restrictions		1,951,518
Total		3.74

Equity Ratio

Modified Net Assets / Modified Assets

The *equity ratio* is a measure of an institution's ability to borrow and its capital resources. This ratio captures an institution's overall capitalization structure (resources) and by inference, its overall ability to borrow. This ratio provides insight into Vanderbilt's ability to access debt and capital in the marketplace. Modified net assets comprise total net assets excluding net assets related to noncontrolling interests. Modified assets comprise total assets excluding net assets related to noncontrolling interests.

The following table presents Vanderbilt's equity ratio calculation as of June 30, 2022 (*in thousands*):

Equity Ratio	2022	Calculation
Modified net assets		
Total net assets	\$ 9,978,464	
Less net assets without donor restrictions, related to noncontrolling interests	(17,061)	
Total modified net assets		9,961,403
Modified Assets		
Total assets	13,562,342	
Less net assets without donor restrictions, related to noncontrolling interests	(17,061)	
Total modified assets		13,545,281
Total		0.74

Net Income Ratio

Change in Net Assets Without Donor Restrictions / Total Revenue Without Donor Restrictions and Gains Without Donor Restrictions

The *net income ratio* provides a direct measure of an institution's profitability or ability to operate within its means. Profitability is one of the primary indicators of the underlying causes of a change in an institution's financial condition because of its direct effect on resources reflected in the Statement of Financial Position. This ratio provides insight into Vanderbilt's ability to operate within its means in a given period. Change in net assets without donor restrictions comprise net results of operations. Total revenue without donor restrictions and gains without donor restrictions comprise revenues without donor restrictions and nonoperating gains without donor restrictions from the Statement of Activities.

The following table presents Vanderbilt's net income ratio calculation as of June 30, 2022 (*in thousands*):

Net Income Ratio	2022	Calculation
Change in net assets without donor restrictions		
Results of operations	\$ 234,008	
Total change in net assets without donor restrictions		234,008
Total unrestricted revenue without donor restrictions and gains without donor restrictions		
Total revenues without donor restrictions	1,680,879	
Appreciation of other investments, net of distributions	45,988	
Net assets released from restrictions for capital improvement	9,900	
Other nonoperating activity	3	
Total unrestricted revenue without donor restrictions and gains without donor restrictions		1,736,770
Total		0.13

Composite Score

The value of each of the ratios described above are then utilized to calculate a strength factor score for each using a defined algorithm. A weighted score is derived for each ratio by multiplying the strength factor score by its corresponding weighted percentage. The weighted scores are then added to arrive at the composite score. The calculation of Vanderbilt's composite score for financial responsibility as of June 30 was as follows:

2022	Calculation	Strength Factor	Weight	Composite
Primary Reserve Ratio	3.74	3.00	40%	1.20
Equity Ratio	0.74	3.00	40%	1.20
Net Income Ratio	0.13	3.00	20%	0.60
Total			100%	3.00



Part II - Schedule of Expenditures of Federal Awards

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
Research And Development Cluster							
US Department of Agriculture	Pass-Through	TN Department of Agriculture	32505-01822	10.025	Plant and Animal Disease, Pest Control, and Animal Care	119,691	-
US Department of Agriculture	Pass-Through	TN Department of Agriculture	TBD	10.025	Plant and Animal Disease, Pest Control, and Animal Care	24,666	-
						<u>144,357</u>	-
US Department of Agriculture	Direct		2018-09145	10.310	Agriculture and Food Research Initiative (AFRI)	29,269	-
US Department of Agriculture	Direct		2019-67012-29718	10.310	Agriculture and Food Research Initiative (AFRI)	21,406	-
US Department of Agriculture	Direct		2019-67021-29857	10.310	Agriculture and Food Research Initiative (AFRI)	84,857	-
US Department of Agriculture	Pass-Through	Texas A & M University	M1902795	10.310	Agriculture and Food Research Initiative (AFRI)	59	-
US Department of Agriculture	Pass-Through	University of Kentucky	3200004065-21-348	10.310	Agriculture and Food Research Initiative (AFRI)	110,758	-
						<u>246,351</u>	-
Total US Department of Agriculture						<u>390,708</u>	-
US Department of Commerce	Direct		70NAB21H164	11.609	Measurement and Engineering Research and Standards	87,856	-
US Department of Commerce	Direct		70NANB20H020	11.609	Measurement and Engineering Research and Standards	105,406	-
US Department of Commerce	Direct		70NANB20H020	11.609	Measurement and Engineering Research and Standards	34,189	-
Total US Department of Commerce						<u>227,451</u>	-
US Department of Defense	Direct	Boeing Company	1527371	12.RD	Department of Defense	205,954	-
Defense Advanced Research Projects Agency	Direct		FA8750-20-C-0215	12.RD	Department of Defense	455,695	229,440
Defense Advanced Research Projects Agency	Direct		HR00112190135	12.RD	Department of Defense	183,094	18,910
Defense Advanced Research Projects Agency	Direct		UNIV 61741	12.RD	Department of Defense	270,397	-
Defense Advanced Research Projects Agency	Pass-Through	SRI International Corporation	62392	12.RD	Department of Defense	100,417	-
Defense Advanced Research Projects Agency	Pass-Through	SRI International Corporation	PO30123_HR001118C0015	12.RD	Department of Defense	169,690	-
Defense Threat Reduction Agency	Pass-Through	GFD Research Corporation	HDTRA117P0040	12.RD	Department of Defense	49,917	-
Missile Defense Agency	Pass-Through	Alphacore, Inc	ISA00000060	12.RD	Department of Defense	74,667	-
Missile Defense Agency	Pass-Through	Creare LLC	HQ014719C7158_S685_104352	12.RD	Department of Defense	195,605	-
National Defense Education Program	Pass-Through	Logistics Management Institute	2021-23372	12.RD	Department of Defense	39,262	-
National Reconnaissance Office	Direct		NRO000-14-C-0274	12.RD	Department of Defense	4,825	-
National Reconnaissance Office	Direct		NRO000-20-C-0174	12.RD	Department of Defense	356,979	-
US Department of Air Force	Direct		FA8750-20-C-0537	12.RD	Department of Defense	1,902,033	271,322
US Department of Air Force	Pass-Through	Alion Science & Technology	FA807514D0014_SUB1118166-002	12.RD	Department of Defense	596,955	-
US Department of Air Force	Pass-Through	Alion Science & Technology	SUB1262315	12.RD	Department of Defense	124,420	-
US Department of Air Force	Pass-Through	Defense Advanced Research Projects Agency	DAR750-18-C-0089_HR0011832306	12.RD	Department of Defense	1,539,093	-
US Department of Air Force	Pass-Through	L3Harris Technologies	SW11-00095	12.RD	Department of Defense	28,786	-
US Department of Air Force	Pass-Through	Massachusetts Institute of Technology	FA8702-15-D-0001_7000437184	12.RD	Department of Defense	24,448	-
US Department of Air Force	Pass-Through	RAEKOR	ISA00000049	12.RD	Department of Defense	11,732	-
US Department of Air Force	Pass-Through	Ragnanok Industries	2020-002	12.RD	Department of Defense	23,044	-
US Department of Air Force	Pass-Through	Securaboration, Inc	FA8650-19-C-2934	12.RD	Department of Defense	126,637	-
US Department of Air Force	Pass-Through	Southwest Research Institute	P99023N	12.RD	Department of Defense	511,129	-
US Department of Air Force	Pass-Through	Triton Systems, Inc	TSI-4088-19-2020806	12.RD	Department of Defense	(14,904)	-
US Department of Army	Direct		W52P1J1993008	12.RD	Department of Defense	204,738	-
US Department of Army	Direct		W81XWH-20-2-0064	12.RD	Department of Defense	216,386	-
US Department of Army	Pass-Through	Camgian Microsystems Corporation	VUSE-01-202104	12.RD	Department of Defense	48,364	-
US Department of Army	Pass-Through	Civil-Military Innovation Institute	2021-ARL-TRACA-PP-VANCMIIDY-00	12.RD	Department of Defense	1,085,626	-
US Department of Army	Pass-Through	Civil-Military Innovation Institute	2021-ARL-TRACA-PP-Vandy-001	12.RD	Department of Defense	168,564	-
US Department of Army	Pass-Through	Kent Optronics, Inc.	W911NF22P0019	12.RD	Department of Defense	6,444	-
US Department of Army	Pass-Through	Purdue University	W52P1J2093009	12.RD	Department of Defense	306,900	-
US Department of Army	Pass-Through	Rentec LLC	W912H221P0012	12.RD	Department of Defense	9,359	-
US Department of Army	Pass-Through	Texas Tech University	21C003-01	12.RD	Department of Defense	59,500	-
US Department of Army	Pass-Through	Triton Systems, Inc	TSI-5037-21-20206974	12.RD	Department of Defense	12,474	-
US Department of Army	Pass-Through	University of California Riverside	W912HQ18C0036_ER18-1497	12.RD	Department of Defense	(1,174)	-
US Department of Army	Pass-Through	VUMC	VUMC6338	12.RD	Department of Defense	38,558	-
US Department of Navy	Direct		N0002419C4302	12.RD	Department of Defense	(1,328)	-
US Department of Navy	Direct		N66001-21-C-4021	12.RD	Department of Defense	325,665	31,639
US Department of Navy	Pass-Through	Defense Advanced Research Projects Agency	N66001-18-C-4005	12.RD	Department of Defense	357,091	150,420
US Department of Navy	Pass-Through	Qualtech Systems, Inc.	N6833519C0784-QSH-DCS-19-009	12.RD	Department of Defense	80,646	-
US Department of Navy	Pass-Through	Silvasky Aircraft Corporation	PO 4500621490	12.RD	Department of Defense	80,942	-
US Department of Navy	Pass-Through	University of Michigan	SUBK00017454	12.RD	Department of Defense	14,882	-
US Department of the Treasury	Direct		H98230-18-D-0010	12.RD	Department of Defense	680,417	146,746
US Department of the Treasury	Direct		H98230-18-D-0010 Del Order #5	12.RD	Department of Defense	313,544	298,844
US Department of the Treasury	Direct		H98230-18-D-0010 Del Order #6	12.RD	Department of Defense	206,945	-
US Department of the Treasury	Direct		H98230-18-D-0010 Del Order 7	12.RD	Department of Defense	134,167	-
						<u>11,327,723</u>	<u>1,147,321</u>
US Department of Army	Pass-Through	Advanced Technology International	W81XWH-15-0-0001 ATI	12.114	Collaborative Research and Development	35,938	23,416
						<u>35,938</u>	<u>23,416</u>
US Department of Air Force	Direct		FA8750-14-2-0180	12.300	Basic and Applied Scientific Research	6	-
US Department of Navy	Direct		N00014-18-1-2107	12.300	Basic and Applied Scientific Research	74,691	77,513
US Department of Navy	Direct		N00014-18-1-2568	12.300	Basic and Applied Scientific Research	17,374	-
US Department of Navy	Direct		N00014-18-1-2964	12.300	Basic and Applied Scientific Research	39,330	11,402
US Department of Navy	Direct		N00014-20-1-2486	12.300	Basic and Applied Scientific Research	46,360	-
US Department of Navy	Direct		N00014-20-1-2719	12.300	Basic and Applied Scientific Research	123,387	112,035
US Department of Navy	Direct		N00014-21-1-2468	12.300	Basic and Applied Scientific Research	151,199	-
US Department of Navy	Direct		N00014-21-1-2583	12.300	Basic and Applied Scientific Research	193,187	35,173
US Department of Navy	Direct		N00014-22-1-2035	12.300	Basic and Applied Scientific Research	9,645	-
US Department of Navy	Direct		N00173-19-1-G020	12.300	Basic and Applied Scientific Research	185,374	-
US Department of Navy	Direct		N00174-19-1-0020	12.300	Basic and Applied Scientific Research	15,054	-
US Department of Navy	Direct		N001742010013	12.300	Basic and Applied Scientific Research	144,477	-
US Department of Navy	Pass-Through	Global Technology Connection, Inc.	GTC Job # 7146	12.300	Basic and Applied Scientific Research	24,135	-
US Department of Navy	Pass-Through	Penn State University	N00014-19-1-2540 S000047-ONR	12.300	Basic and Applied Scientific Research	82,072	-
US Department of Navy	Pass-Through	Precise Systems, Inc	P000000012	12.300	Basic and Applied Scientific Research	517,503	-
US Department of Navy	Pass-Through	Precise Systems, Inc	N00178-14-D-7875-M807	12.300	Basic and Applied Scientific Research	701,945	-
						<u>2,325,137</u>	<u>236,123</u>

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
Defense Threat Reduction Agency	Direct		HDTRA11-17-1-0003	12.351	Scientific Research - Combating Weapons of Mass Destruction	595,671	70,933
Defense Threat Reduction Agency	Direct		HDTRA11810002	12.351	Scientific Research - Combating Weapons of Mass Destruction	287,964	204,814
Defense Threat Reduction Agency	Pass-Through	University of Florida	SUB00001985_HDTRA11910035	12.351	Scientific Research - Combating Weapons of Mass Destruction	5,795	-
						889,430	275,747
US Department of Air Force	Pass-Through	VUMC	VUMC61516/W81XWH-17-	12.420	Military Medical Research and Development	(8,112)	-
US Department of Air Force	Direct	Wake Forest University	W81XWH-15-1-0574 WF	12.420	Military Medical Research and Development	(1)	-
US Department of Army	Direct		W81XWH-15-1-0438	12.420	Military Medical Research and Development	29,562	-
US Department of Army	Direct		W81XWH-16-1-0171	12.420	Military Medical Research and Development	(5,698)	-
US Department of Army	Direct		W81XWH-16-1-0559	12.420	Military Medical Research and Development	3,733	-
US Department of Army	Direct		W81XWH-16-2-0052	12.420	Military Medical Research and Development	22,687	-
US Department of Army	Direct		W81XWH-17-1-0266	12.420	Military Medical Research and Development	52,351	-
US Department of Army	Direct		W81XWH-18-1-0139	12.420	Military Medical Research and Development	(2,148)	-
US Department of Army	Direct		W81XWH-18-1-0234	12.420	Military Medical Research and Development	48,434	-
US Department of Army	Direct		W81XWH-18-1-0391	12.420	Military Medical Research and Development	250,036	-
US Department of Army	Direct		W81XWH-18-1-0412	12.420	Military Medical Research and Development	14,311	-
US Department of Army	Direct		W81XWH-19-1-0089	12.420	Military Medical Research and Development	144,801	-
US Department of Army	Direct		W81XWH-19-1-0136	12.420	Military Medical Research and Development	31,151	-
US Department of Army	Direct		W81XWH-19-1-0355	12.420	Military Medical Research and Development	1,298,323	-
US Department of Army	Direct		W81XWH-20-1-0522	12.420	Military Medical Research and Development	288,807	32,451
US Department of Army	Direct		W81XWH2010624	12.420	Military Medical Research and Development	97,229	-
US Department of Army	Direct		W81XWH2010638	12.420	Military Medical Research and Development	238,769	95,000
US Department of Army	Direct		W81XWH2110162	12.420	Military Medical Research and Development	127,462	-
US Department of Army	Direct		W81XWH2210308	12.420	Military Medical Research and Development	5,235	-
US Department of Army	Direct		W912H220C0040	12.420	Military Medical Research and Development	991,587	383,693
US Department of Army	Pass-Through	University of North Dakota	UND20026273-S1	12.420	Military Medical Research and Development	9,198	-
US Department of Army	Pass-Through	VUMC	VUMC 94472	12.420	Military Medical Research and Development	17,186	-
US Department of Army	Pass-Through	VUMC	VUMC66642_W81XWH180149	12.420	Military Medical Research and Development	76,069	-
						3,731,371	511,145
Defense Advanced Research Projects Agency	Direct		W911NF-14-2-0022	12.431	Basic Scientific Research	17,225	10,555
US Department of Army	Direct		W911NF-18-2-0176	12.431	Basic Scientific Research	(189)	-
US Department of Army	Direct		W911NF-21-1-0161	12.431	Basic Scientific Research	88,843	-
US Department of Army	Direct		W912C-G2220001	12.431	Basic Scientific Research	143,679	-
US Department of Army	Pass-Through	Penn State University	S001715-USARL	12.431	Basic Scientific Research	91,126	-
US Department of Army	Pass-Through	VUMC	VUMC61686	12.431	Basic Scientific Research	3,980	-
						344,664	10,555
Uniformed Services University	Pass-Through	Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc	5723	12.750	Uniformed Services University Medical Research Projects	471,187	-
Uniformed Services University	Pass-Through	Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc	65640_HU0001-18-2-0032	12.750	Uniformed Services University Medical Research Projects	(105,459)	-
						365,728	-
US Department of Air Force	Direct		FA8850-19-2-2214	12.800	Air Force Defense Research Sciences Program	110,318	-
US Department of Air Force	Direct		FA8850-20-2-7018	12.800	Air Force Defense Research Sciences Program	291,750	-
US Department of Air Force	Direct		FA9550-15-1-0018	12.800	Air Force Defense Research Sciences Program	10,419	-
US Department of Air Force	Direct		FA9550-17-1-0046	12.800	Air Force Defense Research Sciences Program	321,287	-
US Department of Air Force	Direct		FA9550-18-1-0126	12.800	Air Force Defense Research Sciences Program	(707)	-
US Department of Air Force	Direct		FA9550-20-1-0225	12.800	Air Force Defense Research Sciences Program	250,388	-
US Department of Air Force	Direct		FA9550-22-1-0012	12.800	Air Force Defense Research Sciences Program	479,670	150,425
US Department of Air Force	Direct		FA9550-22-1-0019	12.800	Air Force Defense Research Sciences Program	10,139	-
US Department of Air Force	Pass-Through	University of Dayton Research Institute	FA8850-12-D-3212/001	12.800	Air Force Defense Research Sciences Program	2,059	-
						1,475,325	150,425
US Department of the Treasury	Direct		H98230-20-1-0022	12.901	Mathematical Sciences Grants Program	1,850	-
						1,850	-
Defense Advanced Research Projects Agency	Direct		HR00112120011	12.910	Research and Technology Development	1,453,846	226,663
						1,453,846	226,663
Total Department of Defense						21,951,013	2,581,394
US Department of Interior Bureau of Reclamation	Direct		R18AC00110	15.506	Water Desalination Research and Development	23	-
Total US Department of Interior						23	-
US Department of Interior	Direct		P21AP11015-00	15.926	American Battlefield Protection	24,261	-
						24,261	-
US Department of Justice	Direct		2016-CK-BK-K002	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants	975,275	502,149
						975,275	502,149
Total US Department of Justice						999,536	502,149
US Department of State	Pass-Through	Institute of International Education, Inc.	3000228613	19.010	Academic Exchange Programs - Hubert H. Humphrey Fellowship Program	236,177	-
US Department of State	Pass-Through	Institute of International Education, Inc.	2020-2021 Humphrey's Fellowsh	19.010	Academic Exchange Programs - Hubert H. Humphrey Fellowship Program	1,716	-
						237,893	-
US Department of State	Direct		SCO20021GR3075	19.040	Public Diplomacy Programs	19,999	-
						19,999	-
Total US Department of State						257,892	-
US Department of Transportation	Direct		693J32045060	20.215	Highway Training and Education	1,293	-
US Department of Transportation	Direct		693J32145022	20.215	Highway Training and Education	2,113	-
US Department of Transportation	Direct		693J32245070	20.215	Highway Training and Education	32,819	-
US Department of Transportation	Direct		693J32245006	20.215	Highway Training and Education	4,221	-
US Department of Transportation	Direct		693J32245044	20.215	Highway Training and Education	2,610	-
US Department of Transportation	Direct		693J32245073	20.215	Highway Training and Education	43,054	-
						68,507	-
US Department of Transportation	Pass-Through	Metropolitan Government of Nashville and Davidson County, Tennessee	TN-2021-015-00	20.530	Public Transportation Innovation	68,507	-
						68,507	-

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
US Department of Transportation	Pass-Through	University of Nebraska Lincoln	25-1120-0020-002	20.724	Pipeline Safety Research Competitive Academic Agreement Program (CAAP)	6,308	-
						6,308	-
US Department of Transportation	Pass-Through	University of Arkansas	69A3551747130 ARKANS	20.820	Maritime Studies and Innovations	246,074	-
						246,074	-
Total US Department of Transportation and Treasury						363,944	-
NASA Goddard Space Flight Center	Pass-Through	Alphacore, Inc	UNIV62044	43.RD	National Aeronautics and Space Administration	162,826	-
NASA Goddard Space Flight Center	Pass-Through	CFD Research Corporation	20200741	43.RD	National Aeronautics and Space Administration	89,277	-
NASA Goddard Space Flight Center	Pass-Through	CFD Research Corporation	9269NNX17CG10C	43.RD	National Aeronautics and Space Administration	393	-
NASA Goddard Space Flight Center	Pass-Through	Space Telescope Science Institute	HST-GO-16483.003-A	43.RD	National Aeronautics and Space Administration	11,007	-
NASA Goddard Space Flight Center	Pass-Through	Triton Systems, Inc	TSI-2620-19-2020223	43.RD	National Aeronautics and Space Administration	54,033	-
NASA Goddard Space Flight Center	Pass-Through	X-wave Innovations, Inc	1046-2	43.RD	National Aeronautics and Space Administration	66,658	-
NASA Goddard Space Flight Center	Pass-Through	Metrolaser, Inc.	METROLASER	43.RD	National Aeronautics and Space Administration	221	-
NASA Marshall Space Flight Center	Pass-Through	Busek Co Inc	S1139	43.RD	National Aeronautics and Space Administration	16,421	-
						400,835	-
NASA Goddard Space Flight Center	Direct		80NSSC18K0445	43.001	Science	61,559	-
NASA Goddard Space Flight Center	Direct		80NSSC18K0523	43.001	Science	19,542	-
NASA Goddard Space Flight Center	Direct		80NSSC18K1297	43.001	Science	32,902	-
NASA Goddard Space Flight Center	Direct		80NSSC20K0447	43.001	Science	75,631	-
NASA Goddard Space Flight Center	Direct		80NSSC20K1450	43.001	Science	183,688	-
NASA Goddard Space Flight Center	Direct		80NSSC21K0241	43.001	Science	(4,676)	-
NASA Goddard Space Flight Center	Direct		80NSSC21K1003	43.001	Science	52,511	24,480
NASA Goddard Space Flight Center	Direct		80NSSC21K1029	43.001	Science	354,902	103,086
NASA Goddard Space Flight Center	Direct		80NSSC22K0748	43.001	Science	11,007	-
NASA Goddard Space Flight Center	Direct		NNX17AJ09G GODDARD	43.001	Science	70,347	-
NASA Goddard Space Flight Center	Pass-Through	University of Toledo	F-2021-50	43.001	Science	4,421	-
NASA Marshall Space Flight Center	Pass-Through	Smithsonian Institute	GOO-21015D	43.001	Science	6,480	-
						868,214	127,547
NASA Goddard Space Flight Center	Pass-Through	Arizona State University	17-265	43.002	Aeronautics	168,931	-
NASA Langley Research Center	Pass-Through	George Washington University	21-306	43.002	Aeronautics	168,650	-
						337,591	-
NASA Goddard Space Flight Center	Direct		80NSSC20K1466	43.003	Exploration	54,561	-
NASA Marshall Space Flight Center	Pass-Through	University of Alabama in Huntsville	2020-1175	43.003	Exploration	2,310	-
						56,870	-
NASA Goddard Space Flight Center	Direct		NNX15AR73H	43.008	Education	103,290	97,922
NASA Langley Research Center	Direct		80NSSC20M0126	43.008	Education	639,600	305,198
NASA Langley Research Center	Pass-Through	National Institute of Aerospace	C20-202035-VU	43.008	Education	45,613	-
						788,403	403,120
NASA Goddard Space Flight Center	Direct		80NSSC20K0424	43.009	Cross Agency Support	259,557	-
						259,557	-
NASA Armstrong Flight Research Center	Direct		80NSSC20K0108	43.012	Space Technology	55,027	2,981
NASA Goddard Space Flight Center	Direct		80NSSC18K1185	43.012	Space Technology	53,706	-
NASA Goddard Space Flight Center	Direct		80NSSC20K0294	43.012	Space Technology	167,916	-
NASA Goddard Space Flight Center	Direct		80NSSC21K0766	43.012	Space Technology	624,306	195,585
						900,954	198,566
Total National Aeronautics and Space Administration						3,612,424	729,233
National Endowment for the Arts	Direct		1863330-38-20	45.024	Promotion of the Arts, Grants to Organizations and Individuals	2,885	-
						2,885	-
National Endowment for the Humanities	Direct		FEL-273525-21	45.160	Promotion of the Humanities, Fellowships and Stipends	57,501	-
						57,501	-
National Endowment for the Humanities	Direct		AKA-270097-20	45.162	Promotion of the Humanities, Teaching and Learning Resources and Curriculum Development	17,025	-
National Endowment for the Humanities	Direct		AKB-270212-20	45.162	Promotion of the Humanities, Teaching and Learning Resources and Curriculum Development	8,794	-
National Endowment for the Humanities	Direct		ZED-283644-22	45.162	Promotion of the Humanities, Teaching and Learning Resources and Curriculum Development	34,548	-
						60,366	-
National Endowment for the Humanities	Direct		HAA-280775-21	45.169	Promotion of the Humanities, Office of Digital Humanities	24,261	-
National Endowment for the Humanities	Direct		HAA-284842-22	45.169	Promotion of the Humanities, Office of Digital Humanities	7,157	-
National Endowment for the Humanities	Direct		HT-281157-21	45.169	Promotion of the Humanities, Office of Digital Humanities	59,410	2,651
						90,828	2,651
Total National Endowment for the Humanities and Arts						211,580	2,651
American Educational Research Association	Direct		AERA Dissertation Grant	47.RD	National Science Foundation	27,500	-
National Science Foundation	Direct		CMMI1949803	47.RD	National Science Foundation	48,522	-
National Science Foundation	Direct		IOS1940803	47.RD	National Science Foundation	200,776	-
National Science Foundation	Pass-Through	American Educational Research Association	AERA Dissertation Grant	47.RD	National Science Foundation	3	-
National Science Foundation	Pass-Through	American Sociological Association	1755530	47.RD	National Science Foundation	5,000	-
National Science Foundation	Pass-Through	VUMC	VUMC 92999	47.RD	National Science Foundation	25,999	-
						307,400	-
National Science Foundation	Direct		2115392	47.041	Engineering Grants	28,726	8,006
National Science Foundation	Direct		2123722	47.041	Engineering Grants	22,227	-
National Science Foundation	Direct		2124002	47.041	Engineering Grants	92,345	44,256
National Science Foundation	Direct		2125983	47.041	Engineering Grants	67,590	-
National Science Foundation	Direct		2147482	47.041	Engineering Grants	35,070	-

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Science Foundation	Direct		2151392	47.041	Engineering Grants	39,187	-
National Science Foundation	Direct		2151571	47.041	Engineering Grants	12,002	-
National Science Foundation	Direct		2152450	47.041	Engineering Grants	36,934	-
National Science Foundation	Direct		2152928	47.041	Engineering Grants	5,009	-
National Science Foundation	Direct		CBET1554623	47.041	Engineering Grants	112,299	-
National Science Foundation	Direct		CBET1604426	47.041	Engineering Grants	76	-
National Science Foundation	Direct		CBET1606005	47.041	Engineering Grants	5,450	-
National Science Foundation	Direct		CBET1705048	47.041	Engineering Grants	45,931	-
National Science Foundation	Direct		CBET1706155	47.041	Engineering Grants	1,906	-
National Science Foundation	Direct		CBET1706956	47.041	Engineering Grants	3,838	-
National Science Foundation	Direct		CBET1805126	47.041	Engineering Grants	67,531	-
National Science Foundation	Direct		CBET1805924	47.041	Engineering Grants	(13,847)	-
National Science Foundation	Direct		CBET1821573	47.041	Engineering Grants	9,832	-
National Science Foundation	Direct		CBET1828299	47.041	Engineering Grants	550,353	-
National Science Foundation	Direct		CBET1903685	47.041	Engineering Grants	35,686	-
National Science Foundation	Direct		CBET1921320	47.041	Engineering Grants	82,468	-
National Science Foundation	Direct		CBET1944134	47.041	Engineering Grants	41,750	-
National Science Foundation	Direct		CBET2017998	47.041	Engineering Grants	159,833	-
National Science Foundation	Direct		CBET2033900	47.041	Engineering Grants	278,835	-
National Science Foundation	Direct		CBET2035085	47.041	Engineering Grants	33,227	-
National Science Foundation	Direct		CBET2052438	47.041	Engineering Grants	103,332	-
National Science Foundation	Direct		CBET2114278	47.041	Engineering Grants	38,312	-
National Science Foundation	Direct		CMMI1635717	47.041	Engineering Grants	2,851	-
National Science Foundation	Direct		CMMI1727863	47.041	Engineering Grants	8,174	-
National Science Foundation	Direct		CMMI1734461	47.041	Engineering Grants	130,675	-
National Science Foundation	Direct		CMMI1846860	47.041	Engineering Grants	51,917	-
National Science Foundation	Direct		CMMI1903645	47.041	Engineering Grants	71,529	-
National Science Foundation	Direct		CMMI1944559	47.041	Engineering Grants	12,792	-
National Science Foundation	Direct		CMMI2019796	47.041	Engineering Grants	139,277	-
National Science Foundation	Direct		CMMI2029181	47.041	Engineering Grants	205,389	-
National Science Foundation	Direct		CMMI2050255	47.041	Engineering Grants	52,204	-
National Science Foundation	Direct		ECCS2028001	47.041	Engineering Grants	30,432	-
National Science Foundation	Direct		ECCS2037673	47.041	Engineering Grants	71,296	-
National Science Foundation	Direct		ECCS2143836	47.041	Engineering Grants	15,143	-
National Science Foundation	Direct		ECC1642895	47.041	Engineering Grants	133,367	-
National Science Foundation	Direct		ECC1916534	47.041	Engineering Grants	199,247	-
National Science Foundation	Direct		ECC1953109	47.041	Engineering Grants	119,688	-
National Science Foundation	Direct		ECCS1908937	47.041	Engineering Grants	101,865	-
National Science Foundation	Direct		ECCS1810088	47.041	Engineering Grants	96,453	-
National Science Foundation	Direct		EFMA1935278	47.041	Engineering Grants	408,885	210,394
National Science Foundation	Direct		IIP 1855287	47.041	Engineering Grants	783	-
National Science Foundation	Direct		IIP1735762	47.041	Engineering Grants	24,333	-
National Science Foundation	Direct		IIP1918577	47.041	Engineering Grants	(3,362)	-
National Science Foundation	Direct		IIP2011056	47.041	Engineering Grants	18,527	-
National Science Foundation	Direct		IIP2040558	47.041	Engineering Grants	16,385	-
National Science Foundation	Direct		IIP2114784	47.041	Engineering Grants	37,140	-
National Science Foundation	Direct		IIP2120154	47.041	Engineering Grants	23,372	-
National Science Foundation	Pass-Through	Cornell University	136009-20811	47.041	Engineering Grants	67,991	-
National Science Foundation	Pass-Through	Georgia Institute of Technology	RJ378-G3	47.041	Engineering Grants	44,763	-
National Science Foundation	Pass-Through	Rutgers, The State University of New Jersey	SUB80020	47.041	Engineering Grants	(19,672)	-
National Science Foundation	Pass-Through	Third Floor Materials, Inc	UNIV61491	47.041	Engineering Grants	1,003	-
National Science Foundation	Pass-Through	University of Illinois at Urbana-Champaign	CMMI1727785	47.041	Engineering Grants	(26)	-
National Science Foundation	Pass-Through	University of Maryland College Park	103696-Z3794205	47.041	Engineering Grants	99,851	-
National Science Foundation	Pass-Through	University of Maryland College Park	66507-Z3302202	47.041	Engineering Grants	29,334	-
National Science Foundation	Pass-Through	University of Utah	10061242-01-VAND	47.041	Engineering Grants	4,117	-
National Science Foundation	Pass-Through	VUMC	VUMC 92991	47.041	Engineering Grants	7,500	-
						4,098,348	262,657
National Science Foundation	Direct		2104300	47.049	Mathematical and Physical Sciences	47,080	-
National Science Foundation	Direct		2111554	47.049	Mathematical and Physical Sciences	414,302	-
National Science Foundation	Direct		2119575	47.049	Mathematical and Physical Sciences	93,477	-
National Science Foundation	Direct		2128240	47.049	Mathematical and Physical Sciences	86,095	-
National Science Foundation	Direct		2149863	47.049	Mathematical and Physical Sciences	80,803	-
National Science Foundation	Direct		2210471	47.049	Mathematical and Physical Sciences	20,585	-
National Science Foundation	Direct		AST1906631	47.049	Mathematical and Physical Sciences	96,552	-
National Science Foundation	Direct		AST2007993	47.049	Mathematical and Physical Sciences	163,340	-
National Science Foundation	Direct		CHE1610964	47.049	Mathematical and Physical Sciences	30,245	-
National Science Foundation	Direct		CHE1665327	47.049	Mathematical and Physical Sciences	51,677	-
National Science Foundation	Direct		CHE1847804	47.049	Mathematical and Physical Sciences	106,997	-
National Science Foundation	Direct		CHE1847813	47.049	Mathematical and Physical Sciences	81,870	-
National Science Foundation	Direct		CHE1905265	47.049	Mathematical and Physical Sciences	240,456	-
National Science Foundation	Direct		CHE200310	47.049	Mathematical and Physical Sciences	277,837	-
National Science Foundation	Direct		CHE2051011	47.049	Mathematical and Physical Sciences	133,748	-
National Science Foundation	Direct		DME2052849	47.049	Mathematical and Physical Sciences	30,291	-
National Science Foundation	Direct		DMR1349604	47.049	Mathematical and Physical Sciences	(69)	-
National Science Foundation	Direct		DMR1852157	47.049	Mathematical and Physical Sciences	115,867	-
National Science Foundation	Direct		DMR1904793	47.049	Mathematical and Physical Sciences	88,108	-
National Science Foundation	Direct		DMS 1914537	47.049	Mathematical and Physical Sciences	(10,315)	-
National Science Foundation	Direct		DMS1562078	47.049	Mathematical and Physical Sciences	(1,136)	-
National Science Foundation	Direct		DMS1710534	47.049	Mathematical and Physical Sciences	6,965	-
National Science Foundation	Direct		DMS1710970	47.049	Mathematical and Physical Sciences	25,553	-
National Science Foundation	Direct		DMS1711089	47.049	Mathematical and Physical Sciences	10,046	-
National Science Foundation	Direct		DMS1801125	47.049	Mathematical and Physical Sciences	6,204	-
National Science Foundation	Direct		DMS1804586	47.049	Mathematical and Physical Sciences	426	-
National Science Foundation	Direct		DMS1812601	47.049	Mathematical and Physical Sciences	63,441	7,112

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Science Foundation	Direct		DMS1812826	47.049	Mathematical and Physical Sciences	3,574	-
National Science Foundation	Direct		DMS1853989	47.049	Mathematical and Physical Sciences	143,831	-
National Science Foundation	Direct		DMS1901976	47.049	Mathematical and Physical Sciences	162,446	-
National Science Foundation	Direct		DMS1951393	47.049	Mathematical and Physical Sciences	586	-
National Science Foundation	Direct		DMS1954162	47.049	Mathematical and Physical Sciences	11,199	-
National Science Foundation	Direct		DMS2002974	47.049	Mathematical and Physical Sciences	9,283	-
National Science Foundation	Direct		DMS2005368	47.049	Mathematical and Physical Sciences	90,708	-
National Science Foundation	Direct		DMS204194	47.049	Mathematical and Physical Sciences	129,700	-
National Science Foundation	Direct		DMS2101370	47.049	Mathematical and Physical Sciences	33,232	-
National Science Foundation	Direct		PHY1806612	47.049	Mathematical and Physical Sciences	(5,256)	-
National Science Foundation	Direct		PHY1852158	47.049	Mathematical and Physical Sciences	38,388	-
National Science Foundation	Direct		PHY1945366	47.049	Mathematical and Physical Sciences	91,040	-
National Science Foundation	Direct		2119575	47.049	Mathematical and Physical Sciences	3,380	-
National Science Foundation	Pass-Through	Cornell University	78877-11227	47.049	Mathematical and Physical Sciences	13,269	-
National Science Foundation	Pass-Through	Cornell University	79433-20671	47.049	Mathematical and Physical Sciences	68,603	-
National Science Foundation	Pass-Through	Florida International University	80004776-058UG	47.049	Mathematical and Physical Sciences	37,051	-
National Science Foundation	Pass-Through	Oregon State University	S22708-Q	47.049	Mathematical and Physical Sciences	1,157	-
National Science Foundation	Pass-Through	University of Notre Dame	QUARKNET 2021	47.049	Mathematical and Physical Sciences	2,605	-
						3,064,402	7,112
National Science Foundation	Direct		2102884	47.050	Geosciences	16,822	-
National Science Foundation	Direct		JAGS1554998	47.050	Geosciences	38,322	-
National Science Foundation	Direct		EAR1735992	47.050	Geosciences	45,534	-
National Science Foundation	Direct		EAR1757545	47.050	Geosciences	57,494	-
National Science Foundation	Direct		EAR1830122	47.050	Geosciences	56,830	-
National Science Foundation	Direct		EAR1830172	47.050	Geosciences	126,134	66,826
National Science Foundation	Direct		EAR1948659	47.050	Geosciences	33,911	-
National Science Foundation	Direct		EAR2007928	47.050	Geosciences	119,370	-
National Science Foundation	Direct		ICER1801362	47.050	Geosciences	26,000	-
National Science Foundation	Direct		ICER1928112	47.050	Geosciences	128,719	-
National Science Foundation	Direct		OPP1842542	47.050	Geosciences	37,150	-
National Science Foundation	Direct		OPP1847173	47.050	Geosciences	22,383	-
						708,269	66,826
National Science Foundation	Direct		1452485	47.070	Computer and Information Science and Engineering	11,596	-
National Science Foundation	Direct		2122640	47.070	Computer and Information Science and Engineering	97,781	-
National Science Foundation	Direct		2127748	47.070	Computer and Information Science and Engineering	113,088	-
National Science Foundation	Direct		2135579	47.070	Computer and Information Science and Engineering	69,930	39,059
National Science Foundation	Direct		2151500	47.070	Computer and Information Science and Engineering	141,160	-
National Science Foundation	Direct		2153332	47.070	Computer and Information Science and Engineering	24,578	-
National Science Foundation	Direct		2208670	47.070	Computer and Information Science and Engineering	322,631	-
National Science Foundation	Direct		CCF1521672	47.070	Computer and Information Science and Engineering	21,122	-
National Science Foundation	Direct		CCF1910017	47.070	Computer and Information Science and Engineering	20,458	-
National Science Foundation	Direct		CCF1918450	47.070	Computer and Information Science and Engineering	23,673	-
National Science Foundation	Direct		CNS1521617	47.070	Computer and Information Science and Engineering	460,959	102,972
National Science Foundation	Direct		CNS1552836	47.070	Computer and Information Science and Engineering	30,760	-
National Science Foundation	Direct		CNS1739328	47.070	Computer and Information Science and Engineering	25,165	177
National Science Foundation	Direct		CNS1744334	47.070	Computer and Information Science and Engineering	3,748	-
National Science Foundation	Direct		CNS1818901	47.070	Computer and Information Science and Engineering	107,280	-
National Science Foundation	Direct		CNS1837652	47.070	Computer and Information Science and Engineering	55,545	-
National Science Foundation	Direct		CNS1840052	47.070	Computer and Information Science and Engineering	38,419	-
National Science Foundation	Direct		CNS1923487	47.070	Computer and Information Science and Engineering	162,584	-
National Science Foundation	Direct		CNS1923496	47.070	Computer and Information Science and Engineering	8,396	-
National Science Foundation	Direct		CNS1931951	47.070	Computer and Information Science and Engineering	100,225	-
National Science Foundation	Direct		CNS1933335	47.070	Computer and Information Science and Engineering	99,690	-
National Science Foundation	Direct		CNS1952011	47.070	Computer and Information Science and Engineering	395,111	138,040
National Science Foundation	Direct		CNS1952029	47.070	Computer and Information Science and Engineering	61,684	2,813
National Science Foundation	Direct		CNS2029950	47.070	Computer and Information Science and Engineering	8,986	-
National Science Foundation	Direct		CNS2052742	47.070	Computer and Information Science and Engineering	95,212	-
National Science Foundation	Direct		IIS162372	47.070	Computer and Information Science and Engineering	4,710	-
National Science Foundation	Direct		IIS1750994	47.070	Computer and Information Science and Engineering	107,376	-
National Science Foundation	Direct		IIS1763966	47.070	Computer and Information Science and Engineering	130,410	-
National Science Foundation	Direct		IIS1814958	47.070	Computer and Information Science and Engineering	65,592	-
National Science Foundation	Direct		IIS1855048	47.070	Computer and Information Science and Engineering	(3,759)	-
National Science Foundation	Direct		IIS1940069	47.070	Computer and Information Science and Engineering	70,299	-
National Science Foundation	Direct		IIS2006616	47.070	Computer and Information Science and Engineering	5,643	-
National Science Foundation	Direct		IIS2007444	47.070	Computer and Information Science and Engineering	90,969	-
National Science Foundation	Direct		IIS201700	47.070	Computer and Information Science and Engineering	202,777	-
National Science Foundation	Direct		OAC-1835374	47.070	Computer and Information Science and Engineering	236,247	-
National Science Foundation	Direct		OAC1740151	47.070	Computer and Information Science and Engineering	10,889	-
National Science Foundation	Direct		2127748	47.070	Computer and Information Science and Engineering	145	-
National Science Foundation	Pass-Through	Berry College	SUB81076-00	47.070	Computer and Information Science and Engineering	14,138	-
National Science Foundation	Pass-Through	Florida International University	321	47.070	Computer and Information Science and Engineering	68,909	-
National Science Foundation	Pass-Through	University of Houston	R-21-0036	47.070	Computer and Information Science and Engineering	5,530	-
National Science Foundation	Pass-Through	University of Houston	R-22-0016	47.070	Computer and Information Science and Engineering	69,287	-
National Science Foundation	Pass-Through	University of Washington	UWSC13203	47.070	Computer and Information Science and Engineering	49,300	-
National Science Foundation	Pass-Through	Wayne State University	WSU20081 UNIV61638	47.070	Computer and Information Science and Engineering	78,223	-
						3,766,235	283,061

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Science Foundation	Direct		2110404	47.074	Biological Sciences	64,517	-
National Science Foundation	Direct		2114264	47.074	Biological Sciences	57,080	-
National Science Foundation	Direct		2117782	47.074	Biological Sciences	107,467	-
National Science Foundation	Direct		2224897	47.074	Biological Sciences	16,274	-
National Science Foundation	Direct		DEB1753982	47.074	Biological Sciences	89,649	-
National Science Foundation	Direct		IOS-1456844	47.074	Biological Sciences	(26)	-
National Science Foundation	Direct		IOS1936843	47.074	Biological Sciences	59,372	-
National Science Foundation	Direct		IOS1949145	47.074	Biological Sciences	67,371	-
National Science Foundation	Direct		MCB1818019	47.074	Biological Sciences	145,424	-
National Science Foundation	Direct		MCB1928918	47.074	Biological Sciences	307,008	-
National Science Foundation	Direct		MCB1942255	47.074	Biological Sciences	403,391	-
National Science Foundation	Direct		MCB2018661	47.074	Biological Sciences	241,176	-
National Science Foundation	Direct		MCB2036809	47.074	Biological Sciences	243,366	-
National Science Foundation	Direct		2117782	47.074	Biological Sciences	34	-
National Science Foundation	Pass-Through	Arizona State University	ASUB00000350	47.074	Biological Sciences	14,504	-
National Science Foundation	Pass-Through	Colorado State University	G-45144-04 UNIV61719	47.074	Biological Sciences	21,689	-
						<u>1,838,295</u>	-
National Science Foundation	Direct		1756417	47.075	Social, Behavioral, and Economic Sciences	59,423	-
National Science Foundation	Direct		1829148	47.075	Social, Behavioral, and Economic Sciences	84,046	-
National Science Foundation	Direct		2042285	47.075	Social, Behavioral, and Economic Sciences	135,010	-
National Science Foundation	Direct		2119778	47.075	Social, Behavioral, and Economic Sciences	55,558	-
National Science Foundation	Direct		2146969	47.075	Social, Behavioral, and Economic Sciences	22,293	-
National Science Foundation	Direct		BCS1556700	47.075	Social, Behavioral, and Economic Sciences	(9,365)	-
National Science Foundation	Direct		BCS1557097	47.075	Social, Behavioral, and Economic Sciences	2,483	-
National Science Foundation	Direct		BCS1651075	47.075	Social, Behavioral, and Economic Sciences	18,108	-
National Science Foundation	Direct		BCS1753626	47.075	Social, Behavioral, and Economic Sciences	180,143	-
National Science Foundation	Direct		BCS1840896	47.075	Social, Behavioral, and Economic Sciences	223,979	6,457
National Science Foundation	Direct		BCS1846764	47.075	Social, Behavioral, and Economic Sciences	101,982	-
National Science Foundation	Direct		BCS1918824	47.075	Social, Behavioral, and Economic Sciences	120,249	-
National Science Foundation	Direct		BCS1921482	47.075	Social, Behavioral, and Economic Sciences	111,811	-
National Science Foundation	Direct		BCS2024316	47.075	Social, Behavioral, and Economic Sciences	20,438	-
National Science Foundation	Direct		BCS2034013	47.075	Social, Behavioral, and Economic Sciences	185,884	-
National Science Foundation	Direct		BCS2039136	47.075	Social, Behavioral, and Economic Sciences	71,798	-
National Science Foundation	Direct		BCS2142090	47.075	Social, Behavioral, and Economic Sciences	47,286	-
National Science Foundation	Direct		SES 1851690	47.075	Social, Behavioral, and Economic Sciences	111,396	46,300
National Science Foundation	Direct		SES2017162	47.075	Social, Behavioral, and Economic Sciences	152,431	-
National Science Foundation	Direct		SES2049808	47.075	Social, Behavioral, and Economic Sciences	1,088	-
National Science Foundation	Pass-Through	Florida State University	R000002842	47.075	Social, Behavioral, and Economic Sciences	132,799	-
National Science Foundation	Pass-Through	Hamilton College	2021-001	47.075	Social, Behavioral, and Economic Sciences	26,585	-
National Science Foundation	Pass-Through	Penn State University	S001619-NFS	47.075	Social, Behavioral, and Economic Sciences	9,566	-
National Science Foundation	Pass-Through	University of Colorado Boulder	1555794 UCB	47.075	Social, Behavioral, and Economic Sciences	41,714	-
						<u>1,906,695</u>	<u>52,757</u>
National Science Foundation	Direct		2100328	47.076	Education and Human Resources	120,829	34,223
National Science Foundation	Direct		2101356	47.076	Education and Human Resources	195,022	41,211
National Science Foundation	Direct		2125764	47.076	Education and Human Resources	146,152	-
National Science Foundation	Direct		DGE1652825	47.076	Education and Human Resources	139,125	-
National Science Foundation	Direct		DGE1922697	47.076	Education and Human Resources	607,578	40,535
National Science Foundation	Direct		DGE1937391	47.076	Education and Human Resources	73,761	-
National Science Foundation	Direct		DGE1937963	47.076	Education and Human Resources	2,161,442	-
National Science Foundation	Direct		DRL1620863	47.076	Education and Human Resources	296,132	-
National Science Foundation	Direct		DRL1620920	47.076	Education and Human Resources	56,774	-
National Science Foundation	Direct		DRL1621088	47.076	Education and Human Resources	214,960	-
National Science Foundation	Direct		DRL1660816	47.076	Education and Human Resources	161,744	-
National Science Foundation	Direct		DRL1742257	47.076	Education and Human Resources	148,177	47,671
National Science Foundation	Direct		DRL1750213	47.076	Education and Human Resources	473,225	-
National Science Foundation	Direct		DRL1760225	47.076	Education and Human Resources	217,173	-
National Science Foundation	Direct		DRL1813008	47.076	Education and Human Resources	785,783	351,788
National Science Foundation	Direct		DRL1908791	47.076	Education and Human Resources	398,040	-
National Science Foundation	Direct		DRL1949472	47.076	Education and Human Resources	138,888	-
National Science Foundation	Direct		DRL2010207	47.076	Education and Human Resources	153,385	-
National Science Foundation	Direct		DRL2010237	47.076	Education and Human Resources	74,898	-
National Science Foundation	Direct		DRL2055597	47.076	Education and Human Resources	145,155	-
National Science Foundation	Direct		DRL2100784	47.076	Education and Human Resources	251,764	17,108
National Science Foundation	Direct		DUE1439866	47.076	Education and Human Resources	(82,387)	-
National Science Foundation	Direct		DUE1711712	47.076	Education and Human Resources	253	-
National Science Foundation	Direct		DUE1762158	47.076	Education and Human Resources	68,560	-
National Science Foundation	Direct		DUE1852875	47.076	Education and Human Resources	151,322	8,017
National Science Foundation	Direct		DUE1915487	47.076	Education and Human Resources	141,572	-
National Science Foundation	Direct		HRD1647196	47.076	Education and Human Resources	241,581	203,595
National Science Foundation	Direct		2101356	47.076	Education and Human Resources	13,647	13,647
National Science Foundation	Direct		2103028	47.076	Education and Human Resources	41,785	41,785
National Science Foundation	Pass-Through	Education Development Center, Inc	12434 2019-0302	47.076	Education and Human Resources	88,463	-
National Science Foundation	Pass-Through	Fisk University	HRD1826755	47.076	Education and Human Resources	153,136	-
National Science Foundation	Pass-Through	Looking Glass Ventures, LLC.	LGV2113803-01	47.076	Education and Human Resources	37,838	-
National Science Foundation	Pass-Through	New York University	F0394-02NYU	47.076	Education and Human Resources	71,901	-
National Science Foundation	Pass-Through	North Carolina State University	2021-1592-03	47.076	Education and Human Resources	97,165	-
National Science Foundation	Pass-Through	Rutgers, The State University of New Jersey	SUBCONTRACT AGREEMENT #1430	47.076	Education and Human Resources	179,481	-
National Science Foundation	Pass-Through	Sonoma State University	119960	47.076	Education and Human Resources	68,923	-
National Science Foundation	Pass-Through	SRI International Corporation	SRI 1742195	47.076	Education and Human Resources	11,840	-
National Science Foundation	Pass-Through	Tennessee State University	332.77-19.0887	47.076	Education and Human Resources	790	-
National Science Foundation	Pass-Through	Tennessee State University	HRD1826954	47.076	Education and Human Resources	3,213	-
National Science Foundation	Pass-Through	Tufts University	NFS123	47.076	Education and Human Resources	22,892	-
National Science Foundation	Pass-Through	University of Washington	UWSC12923	47.076	Education and Human Resources	69,040	-
						<u>8,341,012</u>	<u>799,580</u>

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Science Foundation	Direct		OISE1743772	47.079	Office of International Science and Engineering	736,062	344,255
National Science Foundation	Direct		OISE182617	47.079	Office of International Science and Engineering	29,015	-
						<u>765,077</u>	<u>344,255</u>
National Science Foundation	Direct		2134862	47.083	Office of Integrative Activities	903,111	251,193
National Science Foundation	Direct		OIA1936970	47.083	Office of Integrative Activities	9,927	18,985
National Science Foundation	Direct		OIA2020814	47.083	Office of Integrative Activities	65,710	-
National Science Foundation	Direct		OIA2033413	47.083	Office of Integrative Activities	1,436,281	869,701
National Science Foundation	Direct		OIA2040462	47.083	Office of Integrative Activities	293,574	138,883
National Science Foundation	Direct		OIA2040688	47.083	Office of Integrative Activities	227,319	187,102
						<u>2,935,920</u>	<u>1,465,866</u>
Total National Science Foundation						<u>27,731,653</u>	<u>3,282,113</u>
Environmental Protection Agency	Pass-Through	Jacobs Technology Inc	RLS2-VB-399	66.RD	Environmental Protection Agency	610,935	-
						<u>610,935</u>	<u>-</u>
Environmental Protection Agency	Direct		83950401	66.509	Science To Achieve Results (STAR) Research Program	261,221	16,551
Environmental Protection Agency	Direct		84003101	66.509	Science To Achieve Results (STAR) Research Program	164,158	-
Environmental Protection Agency	Pass-Through	VUMC	VUMC 75597	66.509	Science To Achieve Results (STAR) Research Program	52,294	-
						<u>477,672</u>	<u>16,551</u>
Total Environmental Protection Agency						<u>1,088,607</u>	<u>16,551</u>
US Department of Energy Chicago	Direct		DE-SC0022237	81.RD	Department of Energy	53,334	-
US Department of Energy Chicago	Pass-Through	Brookhaven Science Associates, LLC	BNL358770	81.RD	Department of Energy	(1,321)	-
US Department of Energy Chicago	Pass-Through	Fermi National Accelerator Laboratory	US CMS Group	81.RD	Department of Energy	74,159	-
US Department of Energy Chicago	Pass-Through	Lawrence Berkeley National Laboratory	7603622	81.RD	Department of Energy	183,986	-
US Department of Energy Chicago	Pass-Through	Los Alamos Laboratories	487709	81.RD	Department of Energy	162,773	-
US Department of Energy Chicago	Pass-Through	National Renewable Energy Laboratory	NEJ-9-92257-01	81.RD	Department of Energy	11,792	-
US Department of Energy Chicago	Pass-Through	Pacific Northwest National Laboratory	545625	81.RD	Department of Energy	137,776	-
US Department of Energy Chicago	Pass-Through	Sandia National Laboratories	1988281	81.RD	Department of Energy	(4,056)	-
US Department of Energy Chicago	Pass-Through	Sandia National Laboratories	2170670	81.RD	Department of Energy	20,017	-
US Department of Energy Chicago	Pass-Through	Sandia National Laboratories	2208537	81.RD	Department of Energy	124,034	-
US Department of Energy Chicago	Pass-Through	Sandia National Laboratories	2210612	81.RD	Department of Energy	30,334	-
US Department of Energy Chicago	Pass-Through	Sandia National Laboratories	2342719	81.RD	Department of Energy	26,384	-
US Department of Energy Chicago	Pass-Through	Sandia National Laboratories	2354473	81.RD	Department of Energy	19,793	-
US Department of Energy Chicago	Pass-Through	Sandia National Laboratories	PO 2125099	81.RD	Department of Energy	108,967	-
US Department of Energy Chicago	Pass-Through	Sandia National Laboratories	PO 2275697	81.RD	Department of Energy	25,000	-
US Department of Energy Chicago	Pass-Through	Sandia National Laboratories	PO 2282688	81.RD	Department of Energy	40,073	-
US Department of Energy Chicago	Pass-Through	Sandia National Laboratories	PO2185860	81.RD	Department of Energy	109,606	-
US Department of Energy Chicago	Pass-Through	Sandia National Laboratories	UNIV62058 PO220549	81.RD	Department of Energy	47,592	-
US Department of Energy Chicago	Pass-Through	UT-Battelle, LLC	4000150803	81.RD	Department of Energy	264,895	-
US Department of Energy Chicago	Pass-Through	US Department of Energy Chicago	PA16-0349-3.12-01	81.RD	Department of Energy	(44)	-
US Department of Energy Golden	Pass-Through	Electric Power Research Institute	10012233	81.RD	Department of Energy	15,002	-
US Department of Energy Idaho	Pass-Through	Electric Power Research Institute	10015331	81.RD	Department of Energy	6,107	-
US Department of Energy National Energy Technology Laboratory	Pass-Through	Chattanooga Area Regional Transportation Authority	2197-2092 UNIV61952	81.RD	Department of Energy	112,552	-
US Department of Energy National Energy Technology Laboratory	Pass-Through	Chattanooga Area Regional Transportation Authority	UNIV60607	81.RD	Department of Energy	14,285	14,996
US Department of Energy National Nuclear Security Administration	Pass-Through	Honeywell Federal Manufacturing & Technologies, LLC	N000376439	81.RD	Department of Energy	62,224	-
US Department of Energy National Nuclear Security Administration	Pass-Through	Honeywell Federal Manufacturing & Technologies, LLC	N000416669	81.RD	Department of Energy	78,358	-
US Department of Energy National Nuclear Security Administration	Pass-Through	Los Alamos Laboratories	580557	81.RD	Department of Energy	67,066	-
US Department of Energy National Nuclear Security Administration	Pass-Through	Triad National Security, LLC	17296	81.RD	Department of Energy	3,000	-
						<u>1,794,888</u>	<u>14,996</u>
US Department of Energy Chicago	Direct		DEFG0592ER40712	81.049	Office of Science Financial Assistance Program	606,450	-
US Department of Energy Chicago	Direct		DE-FOA-0000995	81.049	Office of Science Financial Assistance Program	100,079	-
US Department of Energy Chicago	Direct		DE-SC0006220	81.049	Office of Science Financial Assistance Program	624,961	-
US Department of Energy Chicago	Direct		DE-SC0019404	81.049	Office of Science Financial Assistance Program	294,945	167,351
US Department of Energy Chicago	Direct		DE-SC0022207	81.049	Office of Science Financial Assistance Program	139,071	51,385
US Department of Energy Chicago	Direct		ER46554	81.049	Office of Science Financial Assistance Program	91,117	-
US Department of Energy Chicago	Direct		SC0019235	81.049	Office of Science Financial Assistance Program	(4,021)	-
US Department of Energy Chicago	Pass-Through	J. Craig Venter Institute	JCVI-17-013	81.049	Office of Science Financial Assistance Program	372,258	-
US Department of Energy Chicago	Pass-Through	Johns Hopkins University	2004007094	81.049	Office of Science Financial Assistance Program	49,432	-
US Department of Energy Chicago	Pass-Through	Rutgers, The State University of New Jersey	738	81.049	Office of Science Financial Assistance Program	34,043	-
US Department of Energy Chicago	Pass-Through	Rutgers, The State University of New Jersey	0738	81.049	Office of Science Financial Assistance Program	101	-
US Department of Energy Chicago	Pass-Through	University of New Mexico	25406A-870A	81.049	Office of Science Financial Assistance Program	102,913	-
US Department of Energy Germantown	Direct		DE-FC01-06EW07053	81.049	Office of Science Financial Assistance Program	5,374,612	1,945,038
						<u>7,785,860</u>	<u>2,163,775</u>
US Department of Energy National Energy Technology Laboratory	Pass-Through	University of California Berkeley	#10315	81.086	Conservation Research and Development	541,727	5,131
						<u>541,727</u>	<u>5,131</u>
US Department of Energy Golden	Direct		DE-EE0007653	81.087	Renewable Energy Research and Development	213,653	111,024
US Department of Energy Golden	Direct		DE-EE0008418	81.087	Renewable Energy Research and Development	170,322	25,026
US Department of Energy Golden	Direct		EE0008435	81.087	Renewable Energy Research and Development	52,260	-
						<u>436,554</u>	<u>136,050</u>
US Department of Energy National Energy Technology Laboratory	Pass-Through	University of Kentucky	320004445-22-150	81.089	Fossil Energy Research and Development	53,046	-
						<u>53,046</u>	<u>-</u>
US Department of Energy Nuclear Energy	Direct		DE-NE0000646	81.121	Nuclear Energy Research, Development and Demonstration	44,684	-
US Department of Energy Nuclear Energy	Direct		DE-NE0008905	81.121	Nuclear Energy Research, Development and Demonstration	118,766	42,606
US Department of Energy Nuclear Energy	Direct		DE-NE0009086	81.121	Nuclear Energy Research, Development and Demonstration	51,023	-
						<u>214,473</u>	<u>42,606</u>
Advanced Research Project Agency - Energy	Direct		DE_AR0001035	81.135	Advanced Research Projects Agency - Energy	216,100	-
Advanced Research Project Agency - Energy	Direct		DE-AR000666	81.135	Advanced Research Projects Agency - Energy	-	-
Advanced Research Project Agency - Energy	Pass-Through	Georgia Institute of Technology	AWD-001312-G1	81.135	Advanced Research Projects Agency - Energy	348,445	-
						<u>564,545</u>	<u>-</u>
Total Department of Energy						<u>11,391,093</u>	<u>2,362,557</u>

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
US Department of Education	Pass-Through	Mathematica Policy Research, Inc.	40346S05916_EDIES14C0001	84.RD	Department of Education	154,375	54,533
US Department of Education	Pass-Through	Metropolitan Government of Nashville and Davidson County, Tennessee	2-218740-26 METRO/ED	84.RD	Department of Education	471,211	-
US Department of Education	Pass-Through	TN Department of Education	33195-00117 ED#48116	84.RD	Department of Education	666	-
						<u>626,252</u>	<u>54,533</u>
US Department of Education	Direct		P015A180040	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and	172,506	-
US Department of Education	Direct		P015B180040	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and		-
				84.015	International Studies Program and Foreign Language and Area Studies Fellowship Program	183,947	-
						<u>356,452</u>	<u>-</u>
US Department of Education	Direct		P022A200059	84.022	Overseas Programs - Doctoral Dissertation Research Abroad	24,641	-
						<u>24,641</u>	<u>-</u>
US Department of Education	Pass-Through	TN Department of Human Services	34570-91018	84.126	Rehabilitation Services, Vocational Rehabilitation Grants to States	518,147	2,406
						<u>518,147</u>	<u>2,406</u>
US Department of Education	Pass-Through	State of Tennessee, Department of Intellectual and Developmental Disabilities (DIDD)	34401-99243-HCB	84.181	Special Education-Grants for Infants and Families	250,805	-
US Department of Education	Pass-Through	TN Department of Education	33195-00117 ED#48116	84.181	Department of Education	1,971	-
US Department of Education	Pass-Through	TN Department of Education	33195-00117 ED#48116	84.181	Special Education-Grants for Infants and Families	16,316	-
						<u>269,093</u>	<u>-</u>
US Department of Education	Pass-Through	East Tennessee State University	19-287-1-53.1	84.206	Javits Gifted and Talented Students Education	17,253	-
						<u>17,253</u>	<u>-</u>
US Department of Education	Direct		R305A150200	84.305	Education Research, Development and Dissemination	41,742	-
US Department of Education	Direct		R305A160132	84.305	Education Research, Development and Dissemination	(15)	-
US Department of Education	Direct		R305A170203	84.305	Education Research, Development and Dissemination	23,998	23,098
US Department of Education	Direct		R305A180511	84.305	Education Research, Development and Dissemination	163,391	123,887
US Department of Education	Direct		R305A210130	84.305	Education Research, Development and Dissemination	385,449	-
US Department of Education	Direct		R305A210347	84.305	Education Research, Development and Dissemination	223,973	-
US Department of Education	Pass-Through	American Institute for Research	0487100003_R305N180005	84.305	Education Research, Development and Dissemination	167,570	-
US Department of Education	Pass-Through	Harvard University	108164-5110834_R305A190034	84.305	Education Research, Development and Dissemination	110,992	-
US Department of Education	Pass-Through	National Opinion Research Center	R305A190298	84.305	Education Research, Development and Dissemination	194,211	-
US Department of Education	Pass-Through	New York University	R305A170498-18_F0253-03	84.305	Education Research, Development and Dissemination	17,612	-
US Department of Education	Pass-Through	Teachers College, Columbia University	511148	84.305	Education Research, Development and Dissemination	75,872	-
US Department of Education	Pass-Through	University of Delaware	R305E150017	84.305	Education Research, Development and Dissemination	6,067	-
US Department of Education	Pass-Through	University of Florida	SU800001829_R305A190079	84.305	Education Research, Development and Dissemination	26,993	-
US Department of Education	Pass-Through	University of Texas at Austin	R305A160026	84.305	Education Research, Development and Dissemination	105,889	-
						<u>1,541,935</u>	<u>146,985</u>
US Department of Education	Direct		R324A150094	84.324	Research in Special Education	(17,656)	-
US Department of Education	Direct		R324A160086	84.324	Research in Special Education	(2,853)	18,129
US Department of Education	Direct		R324A170150	84.324	Research in Special Education	6,096	(215)
US Department of Education	Direct		R324A180004	84.324	Research in Special Education	(1,038)	-
US Department of Education	Direct		R324A180171	84.324	Research in Special Education	155,898	14,498
US Department of Education	Direct		R324A190177	84.324	Research in Special Education	502,366	-
US Department of Education	Direct		R324A200101	84.324	Research in Special Education	405,801	110,844
US Department of Education	Direct		R324A200193	84.324	Research in Special Education	289,901	125,880
US Department of Education	Direct		R324A210021	84.324	Research in Special Education	181,189	59,444
US Department of Education	Direct		R324B160010	84.324	Research in Special Education	15,111	-
US Department of Education	Direct		R324B210004	84.324	Research in Special Education	77,333	-
US Department of Education	Direct		R324D130003	84.324	Research in Special Education	344,613	-
US Department of Education	Direct		R324R200003	84.324	Research in Special Education	293,975	-
US Department of Education	Pass-Through	Stanford University	R324A180004	84.324	Research in Special Education	517,844	-
US Department of Education	Pass-Through	University of Iowa	R324A160076	84.324	Research in Special Education	(630)	-
US Department of Education	Pass-Through	University of Kansas Center for Research, Inc.	FY2021-010	84.324	Research in Special Education	76,909	-
US Department of Education	Pass-Through	University of Pennsylvania	581066	84.324	Research in Special Education	19,544	-
US Department of Education	Pass-Through	University of Texas at Austin	UTA19-000645_R324A190072	84.324	Research in Special Education	118,270	-
US Department of Education	Pass-Through	University of Texas at Austin	UTA20-000667	84.324	Research in Special Education	26,476	-
US Department of Education	Pass-Through	WestEd	S-00017659	84.324	Research in Special Education	22,147	-
						<u>2,930,892</u>	<u>328,579</u>
US Department of Education	Direct		H325D140073	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	84,309	-
US Department of Education	Direct		H325D140077	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	2,450	-
US Department of Education	Direct		H325D140087	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	51,016	33,816
US Department of Education	Direct		H325D170004	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	209,155	-
US Department of Education	Direct		H325D170005	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	184,568	-
US Department of Education	Direct		H325D180086	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	198,113	-
US Department of Education	Direct		H325D180095	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	299,811	-
US Department of Education	Direct		H325D190005	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	257,432	-
US Department of Education	Direct		H325E170001	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	1,317,710	211,609
US Department of Education	Direct		H325H140001	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	82,201	40,294
US Department of Education	Direct		H325H190003	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	1,425,650	1,017,402
US Department of Education	Direct		H325K140308	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	(8,439)	-
US Department of Education	Direct		H325K170014	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	241,570	-
US Department of Education	Direct		H325K180148	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	258,821	-
US Department of Education	Direct		H325K180175	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	198,949	-
US Department of Education	Direct		H325K190020	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	321,843	-
US Department of Education	Direct		H325K190049	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	312,641	-
US Department of Education	Direct		H325K190056	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	237,409	-
US Department of Education	Direct		H325K200036	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	233,168	4,222
US Department of Education	Direct		H325K210014	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	109,229	-
US Department of Education	Pass-Through	University of Connecticut Health Center	H325H190004_UCHC7-127394347	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	90,542	-

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
US Department of Education	Pass-Through	VUMC	VUMC 79059	84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	68,547	-
US Department of Education	Pass-Through	Stanford University	H326M18002	84.326	Special Education, Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	211,945	-
US Department of Education	Pass-Through	University of Florida	SUB00002470	84.326	Special Education, Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	95,227	-
US Department of Education	Pass-Through	University of South Florida	H326B17003	84.326	Special Education, Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	356,745	-
						6,840,612	1,307,333
US Department of Education	Pass-Through	University of Nebraska Lincoln	UNIV59418/24-1708-01	84.365	English Language Acquisition State Grants	8,288	-
						8,288	-
US Department of Education	Pass-Through	Florida State University	FLORIDA STATE	84.411	Investing in Innovation (3) Fund	77,448	-
						77,448	-
Total US Department of Education						13,211,013	1,839,835
Centers for Disease Control and Prevention	Direct		211PA2116232	93.RD	Department of Health and Human Services	72,159	-
National Institutes of Health	Direct		75N95020P00369	93.RD	Department of Health and Human Services	253,234	-
National Institutes of Health	Direct		75N95021P00632	93.RD	Department of Health and Human Services	51,552	-
National Institutes of Health	Direct		HHSN271201400118C	93.RD	Department of Health and Human Services	(4,773)	-
National Institutes of Health	Pass-Through	CFD Research Corporation	CFDRC Project No. 9293	93.RD	Department of Health and Human Services	(9,515)	-
National Institutes of Health	Pass-Through	Georgetown University Medical Center	7R01 CA219189-05	93.RD	Department of Health and Human Services	19,555	-
National Institutes of Health	Pass-Through	Leidos Biomedical Research, Inc.	16X117	93.RD	Department of Health and Human Services	97,697	-
National Institutes of Health	Pass-Through	Leidos Biomedical Research, Inc.	16X117 (HHSN261200800001E)	93.RD	Department of Health and Human Services	102,227	-
National Institutes of Health	Pass-Through	Leidos Biomedical Research, Inc.	16X117 Mod 6A	93.RD	Department of Health and Human Services	(38)	-
National Institutes of Health	Pass-Through	Leidos Biomedical Research, Inc.	Mod 4i-WDRS-MLL1	93.RD	Department of Health and Human Services	(998)	-
National Institutes of Health	Pass-Through	Leidos Biomedical Research, Inc.	PROTACs UNIV	93.RD	Department of Health and Human Services	265,665	-
National Institutes of Health	Pass-Through	Leidos Biomedical Research, Inc.	UNIV55070 Wnt A4	93.RD	Department of Health and Human Services	201,684	-
National Institutes of Health	Pass-Through	Leidos Biomedical Research, Inc.	UNIV55070-A8	93.RD	Department of Health and Human Services	1,129,500	-
National Institutes of Health	Pass-Through	Leidos Biomedical Research, Inc.	UNIV61254-A3	93.RD	Department of Health and Human Services	320,063	-
National Institutes of Health	Pass-Through	Leidos Biomedical Research, Inc.	UNIV61254-A8	93.RD	Department of Health and Human Services	1,055,606	-
National Institutes of Health	Pass-Through	Leidos Biomedical Research, Inc.	UNIV61790-A2	93.RD	Department of Health and Human Services	1,140,726	-
National Institutes of Health	Pass-Through	University of California San Francisco	R35GM127087	93.RD	Department of Health and Human Services	36,142	-
National Institutes of Health	Pass-Through	University of Houston	TBD	93.RD	Department of Health and Human Services	9,768	-
National Institutes of Health	Pass-Through	VUMC	3P30CA068485-25S1	93.RD	Department of Health and Human Services	11,435	-
National Institutes of Health	Pass-Through	VUMC	3UG1DA040317-05S2	93.RD	Department of Health and Human Services	(928)	-
National Institutes of Health	Pass-Through	VUMC	75N93019C00074	93.RD	Department of Health and Human Services	55,551	-
National Institutes of Health	Pass-Through	VUMC	DK020593	93.RD	Department of Health and Human Services	36,963	-
National Institutes of Health	Pass-Through	VUMC	P30AH10527 VUMC	93.RD	Department of Health and Human Services	(90)	-
National Institutes of Health	Pass-Through	VUMC	P30CA068485	93.RD	Department of Health and Human Services	15,850	-
National Institutes of Health	Pass-Through	VUMC	VUMC	93.RD	Department of Health and Human Services	19,691	-
National Institutes of Health	Pass-Through	VUMC	VUMC 59340	93.RD	Department of Health and Human Services	11,204	-
National Institutes of Health	Pass-Through	VUMC	VUMC84467	93.RD	Department of Health and Human Services	9,174	-
National Institutes of Health	Pass-Through	VUMC	VUMC85303	93.RD	Department of Health and Human Services	5,768	-
National Institutes of Health	Pass-Through	VUMC	VUMC83554	93.RD	Department of Health and Human Services	56,803	-
National Institutes of Health	Pass-Through	VUMC	VUMC94634	93.RD	Department of Health and Human Services	11,981	-
National Institutes of Health	Pass-Through	VUMC	VUMC98350	93.RD	Department of Health and Human Services	5,810	-
National Institutes of Health	Pass-Through	VUMC	TBD	93.RD	Department of Health and Human Services	183,126	-
						5,161,694	-
National Institutes of Health	Pass-Through	HeroWear, LLC	R43OH011872 - UNIV 61152	93.061	Innovations in Applied Public Health Research	26	-
						26	-
Health Resources and Services Administration	Pass-Through	VUMC	5 T73 MC00050-17	93.110	Maternal and Child Health Federal Consolidated Programs	3,634	-
						3,634	-
National Institutes of Health	Direct		1 R01 ES026955-01A1	93.113	Environmental Health	466,569	-
National Institutes of Health	Direct		1F31ES032334-01	93.113	Environmental Health	30,197	-
National Institutes of Health	Direct		1R01ES030575-01A1	93.113	Environmental Health	393,328	-
National Institutes of Health	Direct		2 R01 ES010546-16	93.113	Environmental Health	132,957	-
National Institutes of Health	Direct		2T32ES007028-45-49	93.113	Environmental Health	641,267	-
National Institutes of Health	Direct		4K22ES028048-02	93.113	Environmental Health	131,661	-
National Institutes of Health	Direct		R01ES029257	93.113	Environmental Health	323,303	160,491
National Institutes of Health	Pass-Through	University of Arizona	1R35ES031575-01	93.113	Environmental Health	17,055	-
National Institutes of Health	Pass-Through	University of North Carolina Chapel Hill	1R01ES028269-01A1	93.113	Environmental Health	166,240	-
						2,303,177	160,491
National Institutes of Health	Direct		1F31DE028467	93.121	Oral Diseases and Disorders Research	27,234	-
National Institutes of Health	Direct		1F31DE030007-01	93.121	Oral Diseases and Disorders Research	30,931	-
National Institutes of Health	Pass-Through	University of Buffalo	R1136496, UNIV 60392	93.121	Oral Diseases and Disorders Research	73,898	-
National Institutes of Health	Pass-Through	VUMC	VUMC66968	93.121	Oral Diseases and Disorders Research	27,348	-
						159,411	-
Centers for Disease Control	Pass-Through	University of Louisville	ULRF15-1357C-03A	93.136	Injury Prevention and Control Research and State and Community Based Programs	86,128	-
						86,128	-
Health Resources and Services Administration	Pass-Through	VUMC	VUMC87063	93.145	HIV-Related Training and Technical Assistance	15,289	-
						15,289	-
National Institutes of Health	Direct		1U01HG009086-01	93.172	Human Genome Research	91,320	-
National Institutes of Health	Direct		F30HG11200	93.172	Human Genome Research	30,269	-
National Institutes of Health	Direct		RHG011018A	93.172	Human Genome Research	69,706	13,717
National Institutes of Health	Pass-Through	Bioventures, Inc.	R24HG009470-01A1	93.172	Human Genome Research	8,978	-
National Institutes of Health	Pass-Through	VUMC	VUMC 60003	93.172	Human Genome Research	177,710	-
National Institutes of Health	Pass-Through	VUMC	VUMC95886	93.172	Human Genome Research	15,848	-
						393,851	13,717

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Institutes of Health	Direct		1F30DC019510	93.173	Research Related to Deafness and Communication Disorders	30,489	-
National Institutes of Health	Direct		1F31DC019555	93.173	Research Related to Deafness and Communication Disorders	26,904	-
National Institutes of Health	Direct		1F31DC019823-01A1	93.173	Research Related to Deafness and Communication Disorders	27,273	-
National Institutes of Health	Direct		1F31DC020112-01	93.173	Research Related to Deafness and Communication Disorders	26,346	-
National Institutes of Health	Direct		1F31DC020129-01A1	93.173	Research Related to Deafness and Communication Disorders	15,788	-
National Institutes of Health	Direct		1F31DC020388-01	93.173	Research Related to Deafness and Communication Disorders	13,359	-
National Institutes of Health	Direct		1F32DC019817	93.173	Research Related to Deafness and Communication Disorders	61,764	-
National Institutes of Health	Direct		1R01DC014037-YR1-5	93.173	Research Related to Deafness and Communication Disorders	-	(134)
National Institutes of Health	Direct		1R01DC014462	93.173	Research Related to Deafness and Communication Disorders	179,014	-
National Institutes of Health	Direct		1R01DC018171-01	93.173	Research Related to Deafness and Communication Disorders	570,753	41,315
National Institutes of Health	Direct		1U01DC017135	93.173	Research Related to Deafness and Communication Disorders	1,308,393	716,614
National Institutes of Health	Direct		2R01DC014037-06	93.173	Research Related to Deafness and Communication Disorders	544,852	142,882
National Institutes of Health	Direct		7R01DC013274	93.173	Research Related to Deafness and Communication Disorders	26,529	-
National Institutes of Health	Direct		R21DC016153	93.173	Research Related to Deafness and Communication Disorders	(69)	-
National Institutes of Health	Pass-Through	Drexel University	800198	93.173	Research Related to Deafness and Communication Disorders	22,810	-
National Institutes of Health	Pass-Through	Ohio State University	GR 124427/PO#SPC-1000005377	93.173	Research Related to Deafness and Communication Disorders	2,560	-
National Institutes of Health	Pass-Through	University of California San Francisco	UNIVc	93.173	Research Related to Deafness and Communication Disorders	9,277	-
National Institutes of Health	Pass-Through	University of Pittsburgh	0062738(132446-1)	93.173	Research Related to Deafness and Communication Disorders	229,181	-
National Institutes of Health	Pass-Through	VUMC	1R01DC017683-01A1	93.173	Research Related to Deafness and Communication Disorders	47,419	-
National Institutes of Health	Pass-Through	VUMC	1R01DC017926-01A1	93.173	Research Related to Deafness and Communication Disorders	259,188	-
National Institutes of Health	Pass-Through	VUMC	VUMC	93.173	Research Related to Deafness and Communication Disorders	78,068	-
National Institutes of Health	Pass-Through	VUMC	VUMC 64648	93.173	Research Related to Deafness and Communication Disorders	8,034	-
National Institutes of Health	Pass-Through	VUMC	VUMC 64912	93.173	Research Related to Deafness and Communication Disorders	5,492	-
National Institutes of Health	Pass-Through	VUMC	VUMC64813	93.173	Research Related to Deafness and Communication Disorders	3,602	-
National Institutes of Health	Direct		1F31AT010299	93.213	Research and Training in Complementary and Integrative Health	3,056	-
National Institutes of Health	Direct		1R21AT011813-01	93.213	Research and Training in Complementary and Integrative Health	53,230	-
						3,563,301	900,677
National Institutes of Health	Direct		1K01HS025486	93.226	Research on Healthcare Costs, Quality and Outcomes	2,871	-
National Institutes of Health	Pass-Through	VUMC	VUMC 68739	93.226	Research on Healthcare Costs, Quality and Outcomes	47,788	-
National Institutes of Health	Pass-Through	VUMC	VUMC 73417	93.226	Research on Healthcare Costs, Quality and Outcomes	98,483	-
Agency for Healthcare Research and Quality	Pass-Through	VUMC	K12HS026395	93.226	Research on Healthcare Costs, Quality and Outcomes	119,903	-
Agency for Healthcare Research and Quality	Pass-Through	VUMC	VUMC7177	93.226	Research on Healthcare Costs, Quality and Outcomes	7,935	-
						276,980	-
National Institutes of Health	Direct		1 R56 MH123474-01	93.242	Mental Health Research Grants	62,220	-
National Institutes of Health	Direct		1F30MH122064-01A1	93.242	Mental Health Research Grants	30,246	-
National Institutes of Health	Direct		1F30MH123219-01A1	93.242	Mental Health Research Grants	30,246	-
National Institutes of Health	Direct		1F30MH125507-01A1	93.242	Mental Health Research Grants	25,983	-
National Institutes of Health	Direct		1F31MH119699	93.242	Mental Health Research Grants	19,859	-
National Institutes of Health	Direct		1F31MH124306-01A1	93.242	Mental Health Research Grants	28,136	-
National Institutes of Health	Direct		1F31MH126460-01A1	93.242	Mental Health Research Grants	11,061	-
National Institutes of Health	Direct		1F31MH127863-01A1	93.242	Mental Health Research Grants	4,392	-
National Institutes of Health	Direct		1K01MH115811-01A1	93.242	Mental Health Research Grants	132,119	-
National Institutes of Health	Direct		1K01MH125073-01A1	93.242	Mental Health Research Grants	109,536	-
National Institutes of Health	Direct		1R01MH110378-01A1	93.242	Mental Health Research Grants	264,715	-
National Institutes of Health	Direct		1R01MH113543-01	93.242	Mental Health Research Grants	(248)	-
National Institutes of Health	Direct		1R01MH122545-01A1	93.242	Mental Health Research Grants	537,683	-
National Institutes of Health	Direct		1R01MH123474-01A1	93.242	Mental Health Research Grants	182,493	-
National Institutes of Health	Direct		1R01MH123687-01A1	93.242	Mental Health Research Grants	873,674	103,363
National Institutes of Health	Direct		1R01MH129634-01	93.242	Mental Health Research Grants	25,772	-
National Institutes of Health	Direct		1R01MH129641-01	93.242	Mental Health Research Grants	41,259	-
National Institutes of Health	Direct		1R03MH129649-01	93.242	Mental Health Research Grants	31,332	5,863
National Institutes of Health	Direct		1R21MH116150-01	93.242	Mental Health Research Grants	(2,231)	-
National Institutes of Health	Direct		1R21MH117735	93.242	Mental Health Research Grants	38,535	25,994
National Institutes of Health	Direct		1R21MH122781-01A1	93.242	Mental Health Research Grants	219,499	-
National Institutes of Health	Direct		1R21MH127563-01	93.242	Mental Health Research Grants	127,319	63,925
National Institutes of Health	Direct		1R34MH118029-01A1	93.242	Mental Health Research Grants	128,802	98,870
National Institutes of Health	Direct		1R61MH115125-01A1	93.242	Mental Health Research Grants	(98,057)	-
National Institutes of Health	Direct		1R61MH119270-01A1	93.242	Mental Health Research Grants	632,092	434,687
National Institutes of Health	Direct		1RF1MH123971-01	93.242	Mental Health Research Grants	692,251	113,650
National Institutes of Health	Direct		1RF1MH125931-01A1	93.242	Mental Health Research Grants	154,764	-
National Institutes of Health	Direct		1RF1MH125933-01A1	93.242	Mental Health Research Grants	117,759	29,004
National Institutes of Health	Direct		2R01MH062646-17-21	93.242	Mental Health Research Grants	230,083	-
National Institutes of Health	Direct		2R01MH066198	93.242	Mental Health Research Grants	674,067	-
National Institutes of Health	Direct		2R01MH073676-16A1	93.242	Mental Health Research Grants	602,038	-
National Institutes of Health	Direct		2R01MH084989-09-01	93.242	Mental Health Research Grants	415,318	-
National Institutes of Health	Direct		2R56MH081060-12A1	93.242	Mental Health Research Grants	151,611	-
National Institutes of Health	Direct		2T32 MH064913-16-20	93.242	Mental Health Research Grants	365,591	-
National Institutes of Health	Direct		2T32MH018921-31	93.242	Mental Health Research Grants	293,647	-
National Institutes of Health	Direct		2T32MH065215-16A1	93.242	Mental Health Research Grants	249,114	-
National Institutes of Health	Direct		4R01MH113764	93.242	Mental Health Research Grants	319,539	-
National Institutes of Health	Direct		4R01MH116100-03	93.242	Mental Health Research Grants	228,347	-
National Institutes of Health	Direct		4R01MH117235-03	93.242	Mental Health Research Grants	239,420	-
National Institutes of Health	Direct		4R33MH106748	93.242	Mental Health Research Grants	292,701	-
National Institutes of Health	Direct		4R33MH115125-03	93.242	Mental Health Research Grants	26,327	-
National Institutes of Health	Direct		7R01MH107254	93.242	Mental Health Research Grants	195,108	-

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Institutes of Health	Direct		7R01MH116675-04	93.242	Mental Health Research Grants	483,302	24,417
National Institutes of Health	Direct		7R01MH117996-04	93.242	Mental Health Research Grants	406,024	22,770
National Institutes of Health	Direct		F31MH127817	93.242	Mental Health Research Grants	34,218	-
National Institutes of Health	Direct		NH 7R01MH070727	93.242	Mental Health Research Grants	(1,039)	-
National Institutes of Health	Direct		R00MH117274	93.242	Mental Health Research Grants	242,268	-
National Institutes of Health	Direct		R01MH108562-01A1	93.242	Mental Health Research Grants	50,253	-
National Institutes of Health	Direct		R01MH119673	93.242	Mental Health Research Grants	810,260	-
National Institutes of Health	Direct		R01MH124671	93.242	Mental Health Research Grants	774,681	35,766
National Institutes of Health	Direct		S R01 MH073676 -11	93.242	Mental Health Research Grants	850	-
National Institutes of Health	Pass-Through	California Institute of Technology (Caltech)	CALTECH - S468313	93.242	Mental Health Research Grants	85,348	-
National Institutes of Health	Pass-Through	Columbia University	1(GG014615-01)	93.242	Mental Health Research Grants	12,944	-
National Institutes of Health	Pass-Through	Oregon Health & Science University	104372	93.242	Mental Health Research Grants	33,202	-
National Institutes of Health	Pass-Through	Penn State University	VANMH124027	93.242	Mental Health Research Grants	3,391	-
National Institutes of Health	Pass-Through	Penn State University	VANMH125052	93.242	Mental Health Research Grants	25,480	-
National Institutes of Health	Pass-Through	Stanford University	62409648-165854	93.242	Mental Health Research Grants	88,730	-
National Institutes of Health	Pass-Through	University of Maryland College Park	85338-20264207	93.242	Mental Health Research Grants	28,417	-
National Institutes of Health	Pass-Through	University of Massachusetts Amherst	015746 A00	93.242	Mental Health Research Grants	27,180	-
National Institutes of Health	Pass-Through	University of Miami	SPC-001198	93.242	Mental Health Research Grants	43,445	4,206
National Institutes of Health	Pass-Through	University of Nebraska Lincoln	34-5507-2036-001	93.242	Mental Health Research Grants	141,522	-
National Institutes of Health	Pass-Through	University of North Texas Health Science Center	RF00052-2021-0125	93.242	Mental Health Research Grants	175,067	-
National Institutes of Health	Pass-Through	VUMC	1R01MH121620-01	93.242	Mental Health Research Grants	44,431	-
National Institutes of Health	Pass-Through	VUMC	R01 MH113362-01 VUMC	93.242	Mental Health Research Grants	41,966	-
National Institutes of Health	Pass-Through	VUMC	VUMC - 1R15MH123201-01A1	93.242	Mental Health Research Grants	179,599	-
National Institutes of Health	Pass-Through	VUMC	VUMC 84680	93.242	Mental Health Research Grants	17,356	-
National Institutes of Health	Pass-Through	VUMC	VUMC 86293	93.242	Mental Health Research Grants	49,220	-
National Institutes of Health	Pass-Through	VUMC	VUMC88756	93.242	Mental Health Research Grants	88,126	-
						12,590,962	962,516
Health Resources and Services Administration	Direct		1T14HP33119-01-00	93.247	Advanced Nursing Education Grant Program	667,371	544,545
Health Resources and Services Administration	Direct		1T94HP32909-01-00	93.247	Advanced Nursing Education Grant Program	710,628	-
Health Resources and Services Administration	Direct		1T96HP32512	93.247	Advanced Nursing Education Grant Program	85,230	-
Health Resources and Services Administration	Direct		2T96HP32512-04-00	93.247	Advanced Nursing Education Grant Program	293,754	-
						1,756,982	544,545
National Institutes of Health	Direct		: 4R37AA019455-11	93.273	Alcohol Research Programs	405,570	-
National Institutes of Health	Direct		1 F30 AA027418-01A1	93.273	Alcohol Research Programs	56,356	-
National Institutes of Health	Direct		1F30AA27126	93.273	Alcohol Research Programs	50,494	-
National Institutes of Health	Direct		1F32AA029592-01	93.273	Alcohol Research Programs	49,424	-
National Institutes of Health	Direct		1K99AA027774-01A1	93.273	Alcohol Research Programs	65,868	-
National Institutes of Health	Direct		1K99AA027836-01A1	93.273	Alcohol Research Programs	79,250	-
National Institutes of Health	Direct		1K99AA028467-01	93.273	Alcohol Research Programs	97,065	-
National Institutes of Health	Direct		1U01AA029971-01	93.273	Alcohol Research Programs	190,331	-
National Institutes of Health	Direct		: 4R37AA019455-11	93.273	Alcohol Research Programs	164	-
National Institutes of Health	Pass-Through	Board of Regents of the University of Nebraska DBA	34-5507-2040-001	93.273	Alcohol Research Programs	8,315	-
National Institutes of Health	Pass-Through	VUMC	VUMC AA026186	93.273	Alcohol Research Programs	9,655	-
						1,012,481	-
National Institutes of Health	Direct		1F32DA051136-01	93.279	Drug Abuse and Addiction Research Programs	60,495	-
National Institutes of Health	Direct		1DP1DA048931-01	93.279	Drug Abuse and Addiction Research Programs	629,719	-
National Institutes of Health	Direct		1F30DA054764-01A1	93.279	Drug Abuse and Addiction Research Programs	2,196	-
National Institutes of Health	Direct		1F31DA050410-01	93.279	Drug Abuse and Addiction Research Programs	30,933	-
National Institutes of Health	Direct		1F31DA051153-01A	93.279	Drug Abuse and Addiction Research Programs	30,585	-
National Institutes of Health	Direct		1F31DA054774-01	93.279	Drug Abuse and Addiction Research Programs	30,585	-
National Institutes of Health	Direct		1F32DA047777	93.279	Drug Abuse and Addiction Research Programs	305	-
National Institutes of Health	Direct		1K99DA052641	93.279	Drug Abuse and Addiction Research Programs	88,668	-
National Institutes of Health	Direct		1R01DA042475-01	93.279	Drug Abuse and Addiction Research Programs	(41,760)	-
National Institutes of Health	Direct		1R01DA046139-01A1	93.279	Drug Abuse and Addiction Research Programs	564,718	-
National Institutes of Health	Direct		1R01DA052317-01A1	93.279	Drug Abuse and Addiction Research Programs	336,376	-
National Institutes of Health	Direct		1U01DA055347-01	93.279	Drug Abuse and Addiction Research Programs	314,245	143,271
National Institutes of Health	Direct		2R01DA042475-06A1	93.279	Drug Abuse and Addiction Research Programs	368,595	-
National Institutes of Health	Direct		4R00DA045103	93.279	Drug Abuse and Addiction Research Programs	247,446	-
National Institutes of Health	Pass-Through	Base Pair Biotechnologies, Inc	1R44DA047866-01/Univ 60987	93.279	Drug Abuse and Addiction Research Programs	(2,179)	-
National Institutes of Health	Pass-Through	Base Pair Biotechnologies, Inc	4R44DA047866-02	93.279	Drug Abuse and Addiction Research Programs	140,776	-
National Institutes of Health	Pass-Through	Florida International University	441	93.279	Drug Abuse and Addiction Research Programs	20,131	-
National Institutes of Health	Pass-Through	University of California Irvine	UCI 2017-3476	93.279	Drug Abuse and Addiction Research Programs	38,813	-
National Institutes of Health	Pass-Through	University of Chicago	UNCNCHCAGO FP063901-01-PR	93.279	Drug Abuse and Addiction Research Programs	2,019	-
National Institutes of Health	Pass-Through	Very Real Help LLC	1R41DA051294	93.279	Drug Abuse and Addiction Research Programs	163,704	-
National Institutes of Health	Pass-Through	VUMC	VUMC97931	93.279	Drug Abuse and Addiction Research Programs	7,989	-
National Institutes of Health	Pass-Through	WAKE FOREST UNIVERSITY HEALTH SCIENCES	1217-45120-11000000220	93.279	Drug Abuse and Addiction Research Programs	15,010	-
						2,892,267	143,271
National Institutes of Health	Direct		1R01EB019409 01/04	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	38,964	-
National Institutes of Health	Direct		1R01EB019980	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	(4,823)	-
National Institutes of Health	Direct		1R01EB023717	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	144,376	11,697
National Institutes of Health	Direct		1R01EB026901-01A1	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	347,541	67,344
National Institutes of Health	Direct		1R01EB027498-01A1	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	622,360	127,728
National Institutes of Health	Direct		1R01EB028105-01	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	233,375	-
National Institutes of Health	Direct		1R01EB028161-01	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	192,576	-
National Institutes of Health	Direct		1R01EB028690-01	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	409,294	25,007
National Institutes of Health	Direct		1R01EB030414-01	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	310,463	24,089

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Institutes of Health	Direct		1R21EB027881-01A1	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	295,867	224,366
National Institutes of Health	Direct		1R01EB020040-1-4	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	(6,856)	15,931
National Institutes of Health	Direct		1T32EB021937-01	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	30,497	-
National Institutes of Health	Direct		2R01EB014309-05A1	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	251,263	55,765
National Institutes of Health	Direct		2R01EB016695-05	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	486,755	254,798
National Institutes of Health	Direct		2R01EB017230-05A1	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	379,981	159,408
National Institutes of Health	Direct		2T32EB021937-06	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	188,725	-
National Institutes of Health	Direct		R01 EB017230 YR 1-4	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	(14,012)	-
National Institutes of Health	Pass-Through	Massachusetts General Hospital	MASSGEN - 236792	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	32,823	-
National Institutes of Health	Pass-Through	University of California Berkeley	9722	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	65,814	-
National Institutes of Health	Pass-Through	University of California Davis	A21-0684-5001	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	67,277	-
National Institutes of Health	Pass-Through	University of Illinois at Urbana-Champaign	1R01EB028615-01	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	276,802	25,297
National Institutes of Health	Pass-Through	University of North Carolina Chapel Hill	5108995	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	82,746	5,020
National Institutes of Health	Pass-Through	University of Tennessee Space Institute	UTSI 1R15EB027449	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	41,795	-
National Institutes of Health	Pass-Through	University of Virginia	Univ of Virginia - GB10884	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	51,324	-
National Institutes of Health	Pass-Through	VUMC	1R01EB026991	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	(769)	-
National Institutes of Health	Pass-Through	VUMC	1U1EB029351-01 REVISED	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	292,013	-
National Institutes of Health	Pass-Through	VUMC	VUMC 73877	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	(641)	-
National Institutes of Health	Pass-Through	VUMC	VUMC 91912	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	27,276	-
National Institutes of Health	Pass-Through	VUMC	VUMC 87548	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	16,879	-
National Institutes of Health	Pass-Through	VUMC	VUMC 91816	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	1,454	-
National Institutes of Health	Pass-Through	VUMC	VUMC98309	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	22,112	-
National Institutes of Health	Pass-Through	VUMC	VUMC97863	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	5,956	-
National Institutes of Health	Pass-Through	Yaya Scientific, LLC	YAYA 1R41EB029888-01A1	93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	60,428	-
						<u>4,959,737</u>	<u>996,449</u>
National Institutes of Health	Direct		1R21MD015159-01A	93.307	Minority Health and Health Disparities Research	165,149	23,606
National Institutes of Health	Direct	Meharry Medical College	17406MFL060	93.307	Minority Health and Health Disparities Research	27,097	-
National Institutes of Health	Pass-Through	Meharry Medical College	Meharry - 170406MFL060-06	93.307	Minority Health and Health Disparities Research	24,553	-
National Institutes of Health	Pass-Through	Meharry Medical College	Meharry - 170406ML060 08	93.307	Minority Health and Health Disparities Research	21,567	-
National Institutes of Health	Pass-Through	VUMC	VUMC97555	93.307	Minority Health and Health Disparities Research	13,276	-
						<u>251,642</u>	<u>23,606</u>
National Institutes of Health	Direct		1DP2GM146255-01	93.310	Trans-NIH Research Support	212,620	-
National Institutes of Health	Direct		1DP2GM146321-01	93.310	Trans-NIH Research Support	276,929	-
National Institutes of Health	Direct		1DP5OD031843-01	93.310	Trans-NIH Research Support	95,767	-
National Institutes of Health	Direct		1R03TR004196-01	93.310	Trans-NIH Research Support	9,972	-
National Institutes of Health	Direct		1U01CA235508-01	93.310	Trans-NIH Research Support	389,916	219,631
National Institutes of Health	Direct		1U54DK120058	93.310	Trans-NIH Research Support	2,390,657	438,992
National Institutes of Health	Pass-Through	Carnegie Mellon University	1090967-441662	93.310	Trans-NIH Research Support	9,000	-
National Institutes of Health	Pass-Through	Tennessee State University	1U01OD33244-01	93.310	Trans-NIH Research Support	54,526	-
National Institutes of Health	Pass-Through	University of California San Francisco	11603ac	93.310	Trans-NIH Research Support	310	-
National Institutes of Health	Pass-Through	VUMC	VUMC 68757	93.310	Trans-NIH Research Support	26,829	-
National Institutes of Health	Pass-Through	Washington University In St. Louis	WU-21-53	93.310	Trans-NIH Research Support	(711)	-
						<u>3,464,995</u>	<u>658,622</u>
Centers for Disease Control	Pass-Through	TN Department of Health	34349-92919	93.323	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	57,373	-
						<u>57,373</u>	<u>-</u>
National Institutes of Health	Direct		3UH3TR002097-04S1	93.350	National Center for Advancing Translational Sciences	476,206	126,509
National Institutes of Health	Direct		4UH3TR002097-03	93.350	National Center for Advancing Translational Sciences	956,371	242,815
National Institutes of Health	Direct		5UH1TR002389-04	93.350	National Center for Advancing Translational Sciences	1,625,788	1,075,108
National Institutes of Health	Pass-Through	Boston University	U01TR002625	93.350	National Center for Advancing Translational Sciences	66,645	-
National Institutes of Health	Pass-Through	VUMC	TR002243 VUMC 596M1	93.350	National Center for Advancing Translational Sciences	105,565	-
National Institutes of Health	Pass-Through	VUMC	VUMC 89680	93.350	National Center for Advancing Translational Sciences	107,690	-
						<u>3,338,866</u>	<u>1,444,432</u>
National Institutes of Health	Direct		1 R25 OD021883-01	93.351	Research Infrastructure Programs	200,328	-
National Institutes of Health	Direct		1S10OD028455-01	93.351	Research Infrastructure Programs	18,794	-
National Institutes of Health	Direct		1S10OD028719-01A1	93.351	Research Infrastructure Programs	799,000	-
National Institutes of Health	Direct		1S10OD030292	93.351	Research Infrastructure Programs	2,000,000	-
						<u>3,018,122</u>	<u>-</u>
National Institutes of Health	Pass-Through	VUMC	1U2CCA233291	93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	498,521	-
						<u>498,521</u>	<u>-</u>
Health Resources and Services Administration	Direct		1 UD7HP30932-01-00	93.359	Nurse Education, Practice Quality and Retention Grants	(13,573)	9,643
						<u>(13,573)</u>	<u>9,643</u>
National Institutes of Health	Pass-Through	East Carolina University	AWD-21-0749-S001	93.361	Nursing Research	40,860	-
						<u>40,860</u>	<u>-</u>
National Institutes of Health	Direct		1 R50 CA211206-01	93.393	Cancer Cause and Prevention Research	17,885	-
National Institutes of Health	Direct		1R01CA218315-01A1	93.393	Cancer Cause and Prevention Research	453,870	130,048
National Institutes of Health	Direct		1R01CA239161-01	93.393	Cancer Cause and Prevention Research	474,250	-
National Institutes of Health	Direct		1R01CA240274-01A1	93.393	Cancer Cause and Prevention Research	263,808	15,108
National Institutes of Health	Direct		1R01CA247833-01	93.393	Cancer Cause and Prevention Research	331,288	140,098
National Institutes of Health	Direct		1U01CA224276	93.393	Cancer Cause and Prevention Research	229,890	123,163
National Institutes of Health	Direct		2P01CA160032-26A1	93.393	Cancer Cause and Prevention Research	1,699,974	605,515
National Institutes of Health	Direct		2R01CA164605	93.393	Cancer Cause and Prevention Research	298,638	32,708
National Institutes of Health	Direct		2R01CA200709-06A1	93.393	Cancer Cause and Prevention Research	271,460	28,061
National Institutes of Health	Direct		2R50CA211206-06	93.393	Cancer Cause and Prevention Research	171,405	-
National Institutes of Health	Direct		5 R01 CA087819-17	93.393	Cancer Cause and Prevention Research	15,371	-
National Institutes of Health	Pass-Through	Lawrence Berkley National Laboratory	7615713	93.393	Cancer Cause and Prevention Research	146,036	-
National Institutes of Health	Pass-Through	Lawrence Berkley National Laboratory	2P01CA092584-16	93.393	Cancer Cause and Prevention Research	7,885	-

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Institutes of Health	Pass-Through	Thomas Jefferson University	2 R01CA207468	93.393	Cancer Cause and Prevention Research	5,296	-
National Institutes of Health	Pass-Through	University of California Berkeley	2 P01 CA092584-16	93.393	Cancer Cause and Prevention Research	20,754	-
National Institutes of Health	Pass-Through	University of California Berkeley	2 P01 CA092584-16a	93.393	Cancer Cause and Prevention Research	13,330	-
National Institutes of Health	Pass-Through	University of Kentucky	320000335-21-261	93.393	Cancer Cause and Prevention Research	51,945	-
National Institutes of Health	Pass-Through	VUMC	1R01CA247987-01A1	93.393	Cancer Cause and Prevention Research	15,380	-
National Institutes of Health	Pass-Through	VUMC	2P01CA116087-12	93.393	Cancer Cause and Prevention Research	177,623	-
National Institutes of Health	Pass-Through	VUMC	CA249863	93.393	Cancer Cause and Prevention Research	45,545	-
National Institutes of Health	Pass-Through	VUMC	VUMC 62376	93.393	Cancer Cause and Prevention Research	29,908	-
National Institutes of Health	Pass-Through	VUMC	VUMC/U CA202981	93.393	Cancer Cause and Prevention Research	(754)	-
National Institutes of Health	Pass-Through	VUMC	VUMC67580	93.393	Cancer Cause and Prevention Research	22,725	-
National Institutes of Health	Pass-Through	VUMC	VUMC68022	93.393	Cancer Cause and Prevention Research	15,384	-
National Institutes of Health	Direct		1 R01 CA186193-01	93.394	Cancer Detection and Diagnosis Research	48,864	30,600
National Institutes of Health	Direct		1R01CA212147-01A1	93.394	Cancer Detection and Diagnosis Research	496,202	62,102
National Institutes of Health	Direct		1R01CA245134-01A1	93.394	Cancer Detection and Diagnosis Research	328,918	22,082
National Institutes of Health	Pass-Through	Thomas Jefferson University	080-27000-S4801	93.394	Cancer Detection and Diagnosis Research	18,247	-
National Institutes of Health	Pass-Through	VUMC	5U01CA152662-10	93.394	Cancer Detection and Diagnosis Research	63,911	-
National Institutes of Health	Pass-Through	VUMC	VUMC 79527	93.394	Cancer Detection and Diagnosis Research	(124)	-
National Institutes of Health	Pass-Through	VUMC	VUMC 91511	93.394	Cancer Detection and Diagnosis Research	14,329	-
National Institutes of Health	Pass-Through	VUMC	VUMC89520	93.394	Cancer Detection and Diagnosis Research	70,720	-
						5,819,062	1,189,516
National Institutes of Health	Direct		1R01CA214043	93.395	Cancer Treatment Research	347,584	59,373
National Institutes of Health	Direct		1R01CA224241-01A1	93.395	Cancer Treatment Research	494,393	182,122
National Institutes of Health	Direct		1R01CA243326-01A1	93.395	Cancer Treatment Research	384,026	41,365
National Institutes of Health	Direct		2R01CA116021-16	93.395	Cancer Treatment Research	395,000	53,768
National Institutes of Health	Direct		7R01CA203991-02	93.395	Cancer Treatment Research	121,670	6,490
National Institutes of Health	Direct		R01CA260958	93.395	Cancer Treatment Research	494,933	-
National Institutes of Health	Pass-Through	University of Texas MD Anderson Cancer Center	3001673697	93.395	Cancer Treatment Research	1,566	-
National Institutes of Health	Pass-Through	University of Texas Southwestern Medical Center	GMO 190908 PO#0000001594	93.395	Cancer Treatment Research	56,319	-
National Institutes of Health	Pass-Through	VUMC	VUMC66321	93.395	Cancer Treatment Research	178,437	-
						2,473,928	343,119
National Institutes of Health	Direct		1 R35 CA197571-01	93.396	Cancer Biology Research	707,929	-
National Institutes of Health	Direct		1P01CA229123-01A1	93.396	Cancer Biology Research	1,863,600	890,920
National Institutes of Health	Direct		1R01CA206459-01	93.396	Cancer Biology Research	9,232	(2,723)
National Institutes of Health	Direct		1R01CA226833-01A1	93.396	Cancer Biology Research	584,492	98,357
National Institutes of Health	Direct		1R01CA249684-01A1	93.396	Cancer Biology Research	205,543	-
National Institutes of Health	Direct		1R01CA255446-01A1	93.396	Cancer Biology Research	272,727	7,132
National Institutes of Health	Direct		1R01CA26054-01A1	93.396	Cancer Biology Research	300,400	-
National Institutes of Health	Direct		1R21CA249770-01A1	93.396	Cancer Biology Research	131,174	-
National Institutes of Health	Direct		1R21CA271715-01	93.396	Cancer Biology Research	5,142	-
National Institutes of Health	Direct		1R50CA243783	93.396	Cancer Biology Research	154,561	-
National Institutes of Health	Direct		1U01CA202229-01	93.396	Cancer Biology Research	111,088	50,668
National Institutes of Health	Direct		1U01CA215845-01	93.396	Cancer Biology Research	468,985	-
National Institutes of Health	Direct		2R01CA206459-06	93.396	Cancer Biology Research	555,748	243,732
National Institutes of Health	Direct		4R00CA201304-03	93.396	Cancer Biology Research	17,375	-
National Institutes of Health	Pass-Through	Dartmouth College	1R01CA244188-01A1	93.396	Cancer Biology Research	216,603	-
National Institutes of Health	Pass-Through	Massachusetts Institute of Technology	5U01CA215798	93.396	Cancer Biology Research	138,682	-
National Institutes of Health	Pass-Through	Salk Institute for Biological Studies	1R01 CA240909	93.396	Cancer Biology Research	13,905	-
National Institutes of Health	Pass-Through	University of Texas Southwestern Medical Center	1 R35 CA220446	93.396	Cancer Biology Research	38,942	-
National Institutes of Health	Pass-Through	VUMC	1 U01 CA196405-01a	93.396	Cancer Biology Research	10,902	-
National Institutes of Health	Pass-Through	VUMC	1R01CA227833-01A1 - VUMC	93.396	Cancer Biology Research	83,514	-
National Institutes of Health	Pass-Through	VUMC	1R01CA235016-01A1	93.396	Cancer Biology Research	18,909	-
National Institutes of Health	Pass-Through	VUMC	R01CA249424-01	93.396	Cancer Biology Research	145,546	-
National Institutes of Health	Pass-Through	VUMC	VUMC 65678	93.396	Cancer Biology Research	11,569	-
National Institutes of Health	Pass-Through	VUMC	VUMC 73788	93.396	Cancer Biology Research	(1,491)	-
						6,064,979	1,288,087
National Institutes of Health	Direct		1 U54 CA217450-01A1	93.397	Cancer Centers Support Grants	1,861,534	596,520
National Institutes of Health	Pass-Through	VUMC	5P30 CA068485-24	93.397	Cancer Centers Support Grants	1,502	-
National Institutes of Health	Pass-Through	VUMC	2P30CA068485-25 UNIV58778	93.397	Cancer Centers Support Grants	1,024,354	-
National Institutes of Health	Pass-Through	VUMC	2P50CA086131-17A1	93.397	Cancer Centers Support Grants	52,283	-
National Institutes of Health	Pass-Through	VUMC	5P30 CA068485-24	93.397	Cancer Centers Support Grants	29,431	-
National Institutes of Health	Pass-Through	VUMC	P50CA236733	93.397	Cancer Centers Support Grants	815,504	-
National Institutes of Health	Pass-Through	VUMC	VUMC59466	93.397	Cancer Centers Support Grants	192,068	-
National Institutes of Health	Pass-Through	VUMC	VUMC86404	93.397	Cancer Centers Support Grants	37,318	-
National Institutes of Health	Pass-Through	VUMC	VUMC33402	93.397	Cancer Centers Support Grants	4,535	-
National Institutes of Health	Pass-Through	VUMC	VUMC39328	93.397	Cancer Centers Support Grants	15,758	-
National Institutes of Health	Pass-Through	VUMC	VUMC94583	93.397	Cancer Centers Support Grants	13,554	-
National Institutes of Health	Pass-Through	VUMC	VUMC94993	93.397	Cancer Centers Support Grants	85,017	-
National Institutes of Health	Pass-Through	VUMC	VUMC95409	93.397	Cancer Centers Support Grants	33	-
National Institutes of Health	Pass-Through	VUMC	VUMC95916	93.397	Cancer Centers Support Grants	9,859	-
						4,142,736	596,520
National Institutes of Health	Direct		1 F30 CA239367-01A1	93.398	Cancer Research Manpower	30,105	-
National Institutes of Health	Direct		1F30CA236131	93.398	Cancer Research Manpower	67,380	-
National Institutes of Health	Direct		1F30CA236157	93.398	Cancer Research Manpower	10,753	-
National Institutes of Health	Direct		1F30CA247078-01	93.398	Cancer Research Manpower	30,585	-
National Institutes of Health	Direct		1F31CA243148-01	93.398	Cancer Research Manpower	33,449	-
National Institutes of Health	Direct		1F31CA243353	93.398	Cancer Research Manpower	22,338	-

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Institutes of Health	Direct		1F31CA247131-01A1	93.398	Cancer Research Manpower	31,225	-
National Institutes of Health	Direct		1F31CA247256-01A1	93.398	Cancer Research Manpower	30,933	-
National Institutes of Health	Direct		1F31CA247356	93.398	Cancer Research Manpower	15,074	-
National Institutes of Health	Direct		1F31CA254311-01A1	93.398	Cancer Research Manpower	28,577	-
National Institutes of Health	Direct		1F31CA257102-01	93.398	Cancer Research Manpower	29,787	-
National Institutes of Health	Direct		1F31CA257275-01	93.398	Cancer Research Manpower	38,999	-
National Institutes of Health	Direct		1F31CA261049-01A1	93.398	Cancer Research Manpower	15,788	-
National Institutes of Health	Direct		1F31CA261060-01A1	93.398	Cancer Research Manpower	4,306	-
National Institutes of Health	Direct		1F32CA250259-01	93.398	Cancer Research Manpower	33,253	-
National Institutes of Health	Direct		2T32CA009592-31	93.398	Cancer Research Manpower	421,430	11,442
National Institutes of Health	Direct		2T32CA119925-11-15	93.398	Cancer Research Manpower	389,924	-
National Institutes of Health	Direct		F30CA247202	93.398	Cancer Research Manpower	30,333	-
National Institutes of Health	Direct		F31CA232272	93.398	Cancer Research Manpower	22,445	-
National Institutes of Health	Direct		F31CA265070	93.398	Cancer Research Manpower	28,780	-
National Institutes of Health	Direct		K00CA212447	93.398	Cancer Research Manpower	65,973	-
National Institutes of Health	Direct		T32CA009582-31-35	93.398	Cancer Research Manpower	240,660	-
						<u>1,622,097</u>	<u>11,442</u>
National Institutes of Health	Direct		90FRE0001-01-00	93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	58,041	-
Administration for Community Living	Pass-Through	Virginia Commonwealth University	FP0010584_SA001	93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	181,379	5,650
Administration for Community Living	Pass-Through	Virginia Commonwealth University	FP0010656_SA002	93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	122,212	2,085
						<u>361,632</u>	<u>7,735</u>
National Institutes of Health	Pass-Through	VUMC	R01DK120821	93.547	National Health Service Corps	145,080	-
						<u>145,080</u>	<u>-</u>
US Department of Justice	Pass-Through	University of Texas at Austin	UTAU-SUB00000419	93.564	Child Support Enforcement Research	13,071	-
						<u>13,071</u>	<u>-</u>
Administration for Children and Families	Pass-Through	University of Texas at Austin	UTAU-SUB00000444	93.590	Community-Based Child Abuse Prevention Grants	17,367	-
						<u>17,367</u>	<u>-</u>
National Institutes of Health	Pass-Through	TN Council on Developmental Disabilities	31614-81221 / 67351	93.630	Developmental Disabilities Basic Support and Advocacy Grants	34,003	-
National Institutes of Health	Pass-Through	VUMC	31614-90221	93.630	Developmental Disabilities Basic Support and Advocacy Grants	52,506	-
						<u>86,510</u>	<u>-</u>
Administration for Community Living	Pass-Through	VUMC	90DDU0077-01-00	93.632	University Centers for Excellence in Developmental Disabilities Education, Research, and Service	151,008	-
Administration for Community Living	Pass-Through	VUMC	VUMC85827	93.632	University Centers for Excellence in Developmental Disabilities Education, Research, and Service	9,429	-
						<u>160,437</u>	<u>-</u>
Health Resources and Services Administration	Direct		2M01HP31387-05-00	93.732	Mental and Behavioral Health Education and Training Grants	350,583	-
Health Resources and Services Administration	Direct		HRSA M01HP31387	93.732	Mental and Behavioral Health Education and Training Grants	63,765	-
						<u>414,348</u>	<u>-</u>
National Institutes of Health	Direct		1 F31 HL149168-01	93.837	Cardiovascular Diseases Research	24,003	-
National Institutes of Health	Direct		1F30HL145917	93.837	Cardiovascular Diseases Research	30,289	-
National Institutes of Health	Direct		1F30HL145919-01A1	93.837	Cardiovascular Diseases Research	30,585	-
National Institutes of Health	Direct		1F30HL151069 YR 1-5	93.837	Cardiovascular Diseases Research	30,628	-
National Institutes of Health	Direct		1F31HL151115-01	93.837	Cardiovascular Diseases Research	22,906	-
National Institutes of Health	Direct		1F31HL151125-01	93.837	Cardiovascular Diseases Research	15,128	-
National Institutes of Health	Direct		1F31HL154569-01	93.837	Cardiovascular Diseases Research	30,791	-
National Institutes of Health	Direct		1F31HL154727-01	93.837	Cardiovascular Diseases Research	24,459	-
National Institutes of Health	Direct		1F32HL154596-01	93.837	Cardiovascular Diseases Research	50,873	-
National Institutes of Health	Direct		1R01HL122347 01/04	93.837	Cardiovascular Diseases Research	57,447	-
National Institutes of Health	Direct		1R01HL151223-01	93.837	Cardiovascular Diseases Research	713,099	405,446
National Institutes of Health	Direct		1R01HL156034-01A1	93.837	Cardiovascular Diseases Research	233,323	58,689
National Institutes of Health	Direct		1R25HL145330-01	93.837	Cardiovascular Diseases Research	109,450	-
National Institutes of Health	Direct		1T32HL144446	93.837	Cardiovascular Diseases Research	365,824	4,817
National Institutes of Health	Direct		5T32HL007411-37	93.837	Cardiovascular Diseases Research	228,311	1,487
National Institutes of Health	Direct		7R01HL127489-03	93.837	Cardiovascular Diseases Research	90,225	-
National Institutes of Health	Pass-Through	Northwestern University	2R01HL122010-05	93.837	Cardiovascular Diseases Research	682,165	-
National Institutes of Health	Pass-Through	University of Virginia	7R01HL144131-02	93.837	Cardiovascular Diseases Research	95,772	-
National Institutes of Health	Pass-Through	VUMC	2P01HL116263-06A1	93.837	Cardiovascular Diseases Research	362,715	-
National Institutes of Health	Pass-Through	VUMC	HL133127-VUMC	93.837	Cardiovascular Diseases Research	5,842	-
National Institutes of Health	Pass-Through	VUMC	R00HL135442	93.837	Cardiovascular Diseases Research	8,974	-
National Institutes of Health	Pass-Through	VUMC	VUMC	93.837	Cardiovascular Diseases Research	23,835	-
National Institutes of Health	Pass-Through	VUMC	VUMC 60278	93.837	Cardiovascular Diseases Research	5,766	-
National Institutes of Health	Pass-Through	VUMC	VUMC 63572	93.837	Cardiovascular Diseases Research	5,934	-
National Institutes of Health	Pass-Through	VUMC	VUMC 65119	93.837	Cardiovascular Diseases Research	15,702	-
National Institutes of Health	Pass-Through	VUMC	VUMC93385	93.837	Cardiovascular Diseases Research	22,896	-
						<u>3,286,954</u>	<u>470,440</u>
National Institutes of Health	Direct		1F31HL151033-01A1	93.838	Lung Diseases Research	30,791	-
National Institutes of Health	Direct		1F30HL140756	93.838	Lung Diseases Research	27,605	-
National Institutes of Health	Direct		1R35HL135790	93.838	Lung Diseases Research	455,438	-
National Institutes of Health	Pass-Through	University of North Carolina Chapel Hill	5118208	93.838	Lung Diseases Research	26,544	-
National Institutes of Health	Pass-Through	University of Pittsburgh	HL135144-UNIV OF PIT	93.838	Lung Diseases Research	22,145	-
National Institutes of Health	Pass-Through	University of Texas Medical Branch at Galveston	R01HL145477	93.838	Lung Diseases Research	34,346	-
National Institutes of Health	Pass-Through	VUMC	R35 HL150783	93.838	Lung Diseases Research	11,696	-
National Institutes of Health	Pass-Through	VUMC	VUMC - 5T32HL087738-15	93.838	Lung Diseases Research	58,587	-
National Institutes of Health	Pass-Through	VUMC	VUMC 85302	93.838	Lung Diseases Research	10,690	-
National Institutes of Health	Pass-Through	VUMC	VUMC 95056	93.838	Lung Diseases Research	5,861	-
						<u>683,703</u>	<u>-</u>
National Institutes of Health	Direct		1 F31 HL149340-01	93.839	Blood Diseases and Resources Research	6,204	-

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Institutes of Health	Direct		1F31HL152529-01	93.839	Blood Diseases and Resources Research	30,877	-
National Institutes of Health	Direct		1R01HL133923	93.839	Blood Diseases and Resources Research	20,769	25,915
National Institutes of Health	Direct		F31HL156865	93.839	Blood Diseases and Resources Research	30,763	-
National Institutes of Health	Pass-Through	Augusta University	33737-19	93.839	Blood Diseases and Resources Research	19,192	-
						<u>106,715</u>	<u>25,915</u>
National Institutes of Health	Pass-Through	VUMC	K12HL137943	93.840	Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	41,550	-
National Institutes of Health	Pass-Through	VUMC	VUMC97349	93.840	Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	8,185	-
						<u>49,735</u>	<u>-</u>
National Institutes of Health	Direct		1F31AR077386-01	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	8,806	-
National Institutes of Health	Direct		1R01AR064772-01A1	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	65	-
National Institutes of Health	Direct		1R01AR072679-01A1	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	326,847	106,746
National Institutes of Health	Direct		1R21AR074589-01	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	95,132	-
National Institutes of Health	Direct		1R21AR075636	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	212,072	6,863
National Institutes of Health	Direct		1R21AR075683-01	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	105,350	-
National Institutes of Health	Direct		2T32AR059039	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	224,883	13,086
National Institutes of Health	Direct		5T32AR059039	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	61,390	-
National Institutes of Health	Direct		R21AR079245	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	115,386	-
National Institutes of Health	Pass-Through	Carle Foundation Hospital	CFH - 1R0AR073831	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	83,280	-
National Institutes of Health	Pass-Through	Emory University	Emory Univ - A436983	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	4,548	-
National Institutes of Health	Pass-Through	Memorial Sloan Kettering Cancer Center	SLOANKETT - BD528065	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	29,613	-
National Institutes of Health	Pass-Through	University of Arizona	631693	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	18,448	-
National Institutes of Health	Pass-Through	VUMC	VUMC98307	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	15,794	-
						<u>1,301,616</u>	<u>126,695</u>
National Institutes of Health	Direct		1F31DK127613	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	15,059	-
National Institutes of Health	Direct		1R03DK127484-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	160,224	-
National Institutes of Health	Direct		1 R01 DK103831-01A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	458	-
National Institutes of Health	Direct		1 R01 DK106228-01A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	458	-
National Institutes of Health	Direct		1 R01 DK111949-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	266,637	-
National Institutes of Health	Direct		1F30DK118774	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	30,637	-
National Institutes of Health	Direct		1F30DK118830-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	41,806	-
National Institutes of Health	Direct		1F30DK120114	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	30,504	-
National Institutes of Health	Direct		1F30DK120149	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	10,970	-
National Institutes of Health	Direct		1F30DK121438	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	30,296	-
National Institutes of Health	Direct		1F30DK127699	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	30,499	-
National Institutes of Health	Direct		1F31DK121550-01A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	13,489	-
National Institutes of Health	Direct		1F31DK122650-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	30,542	-
National Institutes of Health	Direct		1F31DK122692-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	30,581	-
National Institutes of Health	Direct		1F31DK123881-01A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	30,676	-
National Institutes of Health	Direct		1F31DK126429-01A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	15,558	-
National Institutes of Health	Direct		1F31DK127687-01A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	36,569	-
National Institutes of Health	Direct		1F31DK130599-01A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	13,004	-
National Institutes of Health	Direct		1F32DK123879-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	69,828	-
National Institutes of Health	Direct		1F32DK128887-01A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	19,423	-
National Institutes of Health	Direct		1R01DK106476-01A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	(7,357)	-
National Institutes of Health	Direct		1R01DK117147	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	750,076	360,830
National Institutes of Health	Direct		1R01DK117158-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	458,205	-
National Institutes of Health	Direct		1R01DK119508	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	292,934	12,759
National Institutes of Health	Direct		1R01DK125546-01A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	145,707	-
National Institutes of Health	Direct		1R01DK125696-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	793,756	-
National Institutes of Health	Direct		1R01DK128710-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	354,937	-
National Institutes of Health	Direct		1R01DK129340-01A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	80,562	-
National Institutes of Health	Direct		1R01DK131082-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	382,277	-
National Institutes of Health	Direct		1R25DK111362	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	74,951	37,932
National Institutes of Health	Direct		2 R01 DK097392-06A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	508,896	-
National Institutes of Health	Direct		2R01 DK108228-06	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	443,260	-
National Institutes of Health	Direct		2R01DK018243-43A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	672,335	-
National Institutes of Health	Direct		2R01DK050277-24	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	414,953	87,142
National Institutes of Health	Direct		2R01DK054902-16A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	202,678	3,193
National Institutes of Health	Direct		2R01DK090570	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	195,633	60,635
National Institutes of Health	Direct		2R01DK098570-05A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	(7,839)	-
National Institutes of Health	Direct		2R01DK103831-06	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	464,401	56,003
National Institutes of Health	Direct		2R01DK106476-06A1	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	65,074	-
National Institutes of Health	Direct		2T32DK007563-31	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	661,951	-
National Institutes of Health	Direct		2T32DK101003-06	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	376,781	-
National Institutes of Health	Direct		2UZCCDK059637-16 thru 21	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	663,558	137,055
National Institutes of Health	Direct		7R01 DK 111831	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	149,219	145,935
National Institutes of Health	Direct		DK050203	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	288,227	70,171
National Institutes of Health	Direct		F31DK127728	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	31,634	-
National Institutes of Health	Direct		R01DK106348 1/5	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	217,471	-
National Institutes of Health	Direct		R01DK115620	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	259,420	-
National Institutes of Health	Direct		R01DK121520	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	589,242	-
National Institutes of Health	Direct		1R03DK127484-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	782	-
National Institutes of Health	Pass-Through	Augusta University	32307-56	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	23,252	-
National Institutes of Health	Pass-Through	Cincinnati Children's Hospital Medical Center	R01DK123181	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	35,456	-
National Institutes of Health	Pass-Through	Columbia University	1(G5016489-01)	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	12,294	-
National Institutes of Health	Pass-Through	Indiana University	2R01DK040949	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	71,263	-

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Institutes of Health	Pass-Through	Indiana University	IN4684797VU	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	152,977	-
National Institutes of Health	Pass-Through	Massachusetts General Hospital	5R01DK117236-MASSGEN	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	93,634	-
National Institutes of Health	Pass-Through	Stanford University	62628788-199245	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	49,719	-
National Institutes of Health	Pass-Through	Stanford University	R01DK126482	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	324,656	-
National Institutes of Health	Pass-Through	University of Alabama at Birmingham	000531644-SC001	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	16,605	-
National Institutes of Health	Pass-Through	University of Alberta	RE5004108_S011	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	349,025	153,402
National Institutes of Health	Pass-Through	University of California San Diego	KR704667	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	46,214	-
National Institutes of Health	Pass-Through	University of Cincinnati	7R01DK106364	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	(1)	-
National Institutes of Health	Pass-Through	University of Illinois at Chicago	17584	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	11,711	-
National Institutes of Health	Pass-Through	University of Michigan	1R01DK126715-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	115,004	-
National Institutes of Health	Pass-Through	University of Texas Southwestern Medical Center	GMO 201024 PC#0000001887	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	158,681	-
National Institutes of Health	Pass-Through	VUMC	1 R24 DK106755-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	(70)	-
National Institutes of Health	Pass-Through	VUMC	1U01 DK123716-01	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	29,878	-
National Institutes of Health	Pass-Through	VUMC	2R01DK101332	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	9,374	-
National Institutes of Health	Pass-Through	VUMC	2R01DK105550-07	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	11,569	-
National Institutes of Health	Pass-Through	VUMC	5R01DK113880-04	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	15,004	-
National Institutes of Health	Pass-Through	VUMC	5U01 DK120456-02	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	9,959	-
National Institutes of Health	Pass-Through	VUMC	5A- UNIV59419/VUMC61547	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	(7,281)	-
National Institutes of Health	Pass-Through	VUMC	DK106755-01/VUMC	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	(41)	-
National Institutes of Health	Pass-Through	VUMC	DK106755-VUMC 60122	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	16,034	-
National Institutes of Health	Pass-Through	VUMC	P30DK020593	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	3,280	-
National Institutes of Health	Pass-Through	VUMC	P30DK029286	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	330	-
National Institutes of Health	Pass-Through	VUMC	UNV58624	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	180,877	-
National Institutes of Health	Pass-Through	VUMC	VUMC 59472	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	313,625	-
National Institutes of Health	Pass-Through	VUMC	VUMC 76112	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	(56)	-
National Institutes of Health	Pass-Through	VUMC	VUMC 77479	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	94,112	-
National Institutes of Health	Pass-Through	VUMC	VUMC 83026	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	(2,578)	-
National Institutes of Health	Pass-Through	VUMC	VUMC 84206	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	69,116	-
National Institutes of Health	Pass-Through	VUMC	VUMC 85037	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	17,898	-
National Institutes of Health	Pass-Through	VUMC	VUMC100632	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	15,694	-
National Institutes of Health	Pass-Through	VUMC	VUMC78181	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	19,315	-
National Institutes of Health	Pass-Through	VUMC	VUMC94882	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	107,748	-
National Institutes of Health	Pass-Through	VUMC	VUMC96978	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	4,423	-
National Institutes of Health	Pass-Through	VUMC	VUMC97441	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	31,700	-
National Institutes of Health	Pass-Through	VUMC	VUMC97487	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	35,223	-
National Institutes of Health	Pass-Through	VUMC	VUMC97633	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	2,008	-
National Institutes of Health	Pass-Through	VUMC	TBD	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	23,320	-
National Institutes of Health	Pass-Through	Washington University In St. Louis	WU-22-0230	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	20,172	-
						<u>12,875,063</u>	<u>1,125,057</u>
National Institutes of Health	Direct		01NS095291 YR 9-12	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	11,676	-
National Institutes of Health	Direct		1 F31 NS113510-01A1	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	30,877	-
National Institutes of Health	Direct		1 R01 NS095989-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	(4,654)	-
National Institutes of Health	Direct		1 R01 NS098899-01A1	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	146,718	-
National Institutes of Health	Direct		1 R01 NS097898-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	(3,523)	-
National Institutes of Health	Direct		1 U03 NS116218-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	60,958	60,954
National Institutes of Health	Direct		1F3NS106735	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	9,717	-
National Institutes of Health	Direct		1F3NS120401-01A1	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	27,870	-
National Institutes of Health	Direct		1F3NS120608-01A1	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	24,052	-
National Institutes of Health	Direct		1F3NS125911-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	17,679	-
National Institutes of Health	Direct		1F3NS11787-01A1	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	47,031	-
National Institutes of Health	Direct		1F9NS125829-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	24,256	-
National Institutes of Health	Direct		1R01NS096238-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	2,376	-
National Institutes of Health	Direct		1R01NS102365	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	272,480	-
National Institutes of Health	Direct		1R01NS104497	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	32,760	3,116
National Institutes of Health	Direct		1R01NS106967-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	475,823	190,703
National Institutes of Health	Direct		1R01NS107456	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	473,374	220,348
National Institutes of Health	Direct		1R01NS110665-01A1	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	286,127	7,940
National Institutes of Health	Direct		1R01NS111749	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	658,828	491,379
National Institutes of Health	Direct		1R01NS113559-01A1	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	375,217	-
National Institutes of Health	Direct		1R01NS116800-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	435,218	137,138
National Institutes of Health	Direct		1R01NS120518-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	467,316	42,622
National Institutes of Health	Direct		1R03NS125243-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	2,678	-
National Institutes of Health	Direct		1R2NS106510-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	3,411	-
National Institutes of Health	Direct		1R2NS116257-1	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	134,144	-
National Institutes of Health	Direct		1R2NS117160-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	156,859	84,447
National Institutes of Health	Direct		1R2NS119889-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	135,968	-
National Institutes of Health	Direct		1R6NS112445-01A1	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	211,227	-
National Institutes of Health	Direct		1RFNS127128-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	36,008	-
National Institutes of Health	Direct		2R01NS031373 YR 27-31	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	448,439	-
National Institutes of Health	Direct		2R01NS049251-08/12	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	164,887	-
National Institutes of Health	Direct		4 R33 NS109521-02	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	178,009	156,970
National Institutes of Health	Direct		4R0NS114179-03	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	49,323	-
National Institutes of Health	Direct		4R37NS031373-24	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	(265)	-
National Institutes of Health	Direct		4RJNS116218-02	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	125,739	-
National Institutes of Health	Direct		7R01NS094456	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	(2,079)	(3,263)
National Institutes of Health	Direct		8K0DDA048436	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	51,648	-

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Institutes of Health	Direct		F99NS120599	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	33,215	-
National Institutes of Health	Pass-Through	Children's Hospital of Philadelphia	CHOP_3201870620	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	103,255	-
National Institutes of Health	Pass-Through	Emory University	A488325	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	63,817	-
National Institutes of Health	Pass-Through	Emory University	UNIVEMORY	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	99,444	-
National Institutes of Health	Pass-Through	Loyola University Chicago	RG LU 213423-1vu	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	14,004	-
National Institutes of Health	Pass-Through	University of Chicago	1R21NS108505-01A1	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	25,662	-
National Institutes of Health	Pass-Through	University of Chicago	AWD101175 (SUB00000282)	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	26,381	-
National Institutes of Health	Pass-Through	University of Louisville	ULRF 17-118-02	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	15,945	-
National Institutes of Health	Pass-Through	University of Nebraska Medical Center	94-2005-2113-201	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	4,993	-
National Institutes of Health	Pass-Through	University of Tennessee Health Science Center	21-0126 Vandy	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	15,353	-
National Institutes of Health	Pass-Through	VUMC	1 R01 NS93669-01A1	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	66,172	-
National Institutes of Health	Pass-Through	VUMC	1R01NS112252-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	298,247	-
National Institutes of Health	Pass-Through	VUMC	5R01NS108445-02	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	48,517	-
National Institutes of Health	Pass-Through	VUMC	5T32NS007491-VUMC	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	1,431	-
National Institutes of Health	Pass-Through	VUMC	BA: Univ 59643	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	(1,177)	-
National Institutes of Health	Pass-Through	VUMC	T32NS007491	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	31,222	-
National Institutes of Health	Pass-Through	VUMC	VUMC - BA: 5T32NS007491	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	29,022	-
National Institutes of Health	Pass-Through	VUMC	VUMC 69141	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	8,387	-
National Institutes of Health	Pass-Through	VUMC	VUMC 69232	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	71,811	-
National Institutes of Health	Pass-Through	VUMC	VUMC 69235	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	13,728	-
National Institutes of Health	Pass-Through	VUMC	VUMC 72234	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	4,948	-
National Institutes of Health	Pass-Through	VUMC	VUMC 80403	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	260,327	-
National Institutes of Health	Pass-Through	VUMC	VUMC 83133	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	(706)	-
National Institutes of Health	Pass-Through	VUMC	VUMC 84387	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	14,047	-
National Institutes of Health	Pass-Through	VUMC	VUMC 89757	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	4,222	-
National Institutes of Health	Pass-Through	VUMC	VUMC 91588	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	2,723	-
National Institutes of Health	Pass-Through	VUMC	VUMC 91592	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	8,381	-
National Institutes of Health	Pass-Through	VUMC	VUMC 91760	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	4,711	-
National Institutes of Health	Pass-Through	Yale University	UNI59887	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	400,115	-
						7,233,504	1,392,356
National Institutes of Health	Direct		1 F31 AI143244-01A1	93.855	Allergy and Infectious Diseases Research	26,857	-
National Institutes of Health	Direct		1 R01 AI108778-01A1	93.855	Allergy and Infectious Diseases Research	441	-
National Institutes of Health	Direct		1 T32 AI138932-01A1	93.855	Allergy and Infectious Diseases Research	232,278	-
National Institutes of Health	Direct		1F30AI138424-01	93.855	Allergy and Infectious Diseases Research	48,147	-
National Institutes of Health	Direct		1F31AI147560-01A1	93.855	Allergy and Infectious Diseases Research	15,204	-
National Institutes of Health	Direct		1F31AI149863-01	93.855	Allergy and Infectious Diseases Research	27,135	-
National Institutes of Health	Direct		1F31AI152332	93.855	Allergy and Infectious Diseases Research	(1,100)	-
National Institutes of Health	Direct		1F31AI161882-01A1	93.855	Allergy and Infectious Diseases Research	15,071	-
National Institutes of Health	Direct		1F32AI140557	93.855	Allergy and Infectious Diseases Research	(182)	-
National Institutes of Health	Direct		1R01AI127422-02	93.855	Allergy and Infectious Diseases Research	659,464	-
National Institutes of Health	Direct		1R01AI132581-01	93.855	Allergy and Infectious Diseases Research	382,918	-
National Institutes of Health	Direct		1R01AI136301-01A1	93.855	Allergy and Infectious Diseases Research	966,411	835,666
National Institutes of Health	Direct		1R01AI140400-01A1	93.855	Allergy and Infectious Diseases Research	418,825	-
National Institutes of Health	Direct		1R01AI143725-01A1	93.855	Allergy and Infectious Diseases Research	263,937	-
National Institutes of Health	Direct		1R01AI153356-01A1	93.855	Allergy and Infectious Diseases Research	95,398	65,345
National Institutes of Health	Direct		1R01AI157827-01	93.855	Allergy and Infectious Diseases Research	677,665	353,272
National Institutes of Health	Direct		1R01AI163472-01	93.855	Allergy and Infectious Diseases Research	300,600	31,097
National Institutes of Health	Direct		1R03AI164095-01	93.855	Allergy and Infectious Diseases Research	82,869	-
National Institutes of Health	Direct		1R21AI138157-01	93.855	Allergy and Infectious Diseases Research	21,190	-
National Institutes of Health	Direct		1R21AI150828	93.855	Allergy and Infectious Diseases Research	79,371	-
National Institutes of Health	Direct		1R21AI152497-01A1	93.855	Allergy and Infectious Diseases Research	97,177	-
National Institutes of Health	Direct		1R21AI156693	93.855	Allergy and Infectious Diseases Research	148,334	-
National Institutes of Health	Direct		1R56AI146096-01A1	93.855	Allergy and Infectious Diseases Research	363,980	71,643
National Institutes of Health	Direct		2T32AI112541	93.855	Allergy and Infectious Diseases Research	406,983	10,841
National Institutes of Health	Direct		A135937	93.855	Allergy and Infectious Diseases Research	197,599	70,821
National Institutes of Health	Direct		F30AI150077	93.855	Allergy and Infectious Diseases Research	30,487	-
National Institutes of Health	Direct		F30AI157036	93.855	Allergy and Infectious Diseases Research	28,432	-
National Institutes of Health	Pass-Through	Dana Farber Cancer Institute	Dana Farber - 1313601	93.855	Allergy and Infectious Diseases Research	274,867	-
National Institutes of Health	Pass-Through	Dana Farber Cancer Institute	Dana Farber - 1313801	93.855	Allergy and Infectious Diseases Research	1,750	-
National Institutes of Health	Pass-Through	Dana Farber Cancer Institute	Dana Farber 1313501	93.855	Allergy and Infectious Diseases Research	280,922	-
National Institutes of Health	Pass-Through	Desmond Tutu HIV Foundation	R01AI150485	93.855	Allergy and Infectious Diseases Research	171	-
National Institutes of Health	Pass-Through	Georgia State University	R01AI127793	93.855	Allergy and Infectious Diseases Research	133,611	-
National Institutes of Health	Pass-Through	Meharry Medical College	2009307V196	93.855	Allergy and Infectious Diseases Research	39,415	-
National Institutes of Health	Pass-Through	Meharry Medical College	210A01L0304	93.855	Allergy and Infectious Diseases Research	7,811	-
National Institutes of Health	Pass-Through	Oak Crest Institute of Science	R01 AI154561	93.855	Allergy and Infectious Diseases Research	92,815	-
National Institutes of Health	Pass-Through	University of Idaho	R01A084918	93.855	Allergy and Infectious Diseases Research	15,430	-
National Institutes of Health	Pass-Through	University of North Carolina Chapel Hill	Pending	93.855	Allergy and Infectious Diseases Research	42,767	-
National Institutes of Health	Pass-Through	University of Texas MD Anderson Cancer Center	1P01 AI139449-01A1	93.855	Allergy and Infectious Diseases Research	144,267	-
National Institutes of Health	Pass-Through	University of Texas Medical Branch at Galveston	19-94547	93.855	Allergy and Infectious Diseases Research	206,111	-
National Institutes of Health	Pass-Through	University of Virginia	5U01AI125056	93.855	Allergy and Infectious Diseases Research	47,209	-
National Institutes of Health	Pass-Through	University of Washington	1R01AI145848-01A1	93.855	Allergy and Infectious Diseases Research	8,488	-
National Institutes of Health	Pass-Through	Viricci LLC	A1149906	93.855	Allergy and Infectious Diseases Research	36,239	-
National Institutes of Health	Pass-Through	VUMC	1U01AI150739-01	93.855	Allergy and Infectious Diseases Research	409,789	-
National Institutes of Health	Pass-Through	VUMC	1U19A142764	93.855	Allergy and Infectious Diseases Research	55,551	-
National Institutes of Health	Pass-Through	VUMC	A1101171	93.855	Allergy and Infectious Diseases Research	208,317	-
National Institutes of Health	Pass-Through	VUMC	R01AI138581	93.855	Allergy and Infectious Diseases Research	290,257	-

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Institutes of Health	Pass-Through	VUMC	R01A1145992	93.855	Allergy and Infectious Diseases Research	290,526	-
National Institutes of Health	Pass-Through	VUMC	R01A1149722	93.855	Allergy and Infectious Diseases Research	67,047	-
National Institutes of Health	Pass-Through	VUMC	R01A1155668	93.855	Allergy and Infectious Diseases Research	309,089	-
National Institutes of Health	Pass-Through	VUMC	U19A1117905 VUMC6003	93.855	Allergy and Infectious Diseases Research	1	-
National Institutes of Health	Pass-Through	VUMC	VUMC 81171	93.855	Allergy and Infectious Diseases Research	53,666	-
National Institutes of Health	Pass-Through	VUMC	VUMC 82492	93.855	Allergy and Infectious Diseases Research	29,813	-
National Institutes of Health	Pass-Through	VUMC	VUMC 91493	93.855	Allergy and Infectious Diseases Research	12,191	-
National Institutes of Health	Pass-Through	VUMC	VUMC 94055	93.855	Allergy and Infectious Diseases Research	16,035	-
National Institutes of Health	Pass-Through	VUMC	VUMC63571 UNIV59819	93.855	Allergy and Infectious Diseases Research	12,875	-
National Institutes of Health	Pass-Through	VUMC	VUMC85308	93.855	Allergy and Infectious Diseases Research	14,646	-
National Institutes of Health	Pass-Through	VUMC	VUMC99752	93.855	Allergy and Infectious Diseases Research	884	-
US Department of Energy Chicago	Pass-Through	Sandia National Laboratories	PO 2297537	93.855	Allergy and Infectious Diseases Research	67,887	-
National Institutes of Health	Pass-Through	VUMC	R01A1138581	93.855	Allergy and Infectious Diseases Research	6,000	-
National Institutes of Health	Pass-Through	VUMC	R01A1145992	93.855	Allergy and Infectious Diseases Research	7,500	-
						8,749,435	1,438,684
National Institutes of Health	Direct		1 R01 GM117899-01	93.859	Biomedical Research and Research Training	7,514	-
National Institutes of Health	Direct		1 R01 GM118491-01	93.859	Biomedical Research and Research Training	14,653	-
National Institutes of Health	Direct		1 R01 GM120569-01	93.859	Biomedical Research and Research Training	(4,599)	-
National Institutes of Health	Direct		1 R01 GM128087-01A1	93.859	Biomedical Research and Research Training	388,216	-
National Institutes of Health	Direct		1 R35 GM118089-01	93.859	Biomedical Research and Research Training	370,078	-
National Institutes of Health	Direct		1 R35 GM119552-01	93.859	Biomedical Research and Research Training	157,899	-
National Institutes of Health	Direct		1 R35 GM119569-01	93.859	Biomedical Research and Research Training	545	-
National Institutes of Health	Direct		1F31GM133134-01A1	93.859	Biomedical Research and Research Training	30,182	-
National Institutes of Health	Direct		1F31GM134570-01	93.859	Biomedical Research and Research Training	19,275	-
National Institutes of Health	Direct		1F31GM142286-01	93.859	Biomedical Research and Research Training	29,589	-
National Institutes of Health	Direct		1F31GM143809-01	93.859	Biomedical Research and Research Training	28,432	-
National Institutes of Health	Direct		1F32GM136173-01	93.859	Biomedical Research and Research Training	13,631	-
National Institutes of Health	Direct		1K99GM141414-01A1	93.859	Biomedical Research and Research Training	35,632	-
National Institutes of Health	Direct		1R01GM118412	93.859	Biomedical Research and Research Training	17,773	-
National Institutes of Health	Direct		1R01GM123260-01	93.859	Biomedical Research and Research Training	234,461	-
National Institutes of Health	Direct		1R01GM123292-01	93.859	Biomedical Research and Research Training	114,876	-
National Institutes of Health	Direct		1R01GM124404-01	93.859	Biomedical Research and Research Training	53,402	-
National Institutes of Health	Direct		1R01GM126363-01	93.859	Biomedical Research and Research Training	156,465	-
National Institutes of Health	Direct		1R01GM128191-01	93.859	Biomedical Research and Research Training	520,227	286,939
National Institutes of Health	Direct		1R01GM128338-01	93.859	Biomedical Research and Research Training	253,076	-
National Institutes of Health	Direct		1R01GM130130	93.859	Biomedical Research and Research Training	450,194	-
National Institutes of Health	Direct		1R01GM131071-01A1	93.859	Biomedical Research and Research Training	12,460	12,462
National Institutes of Health	Direct		1R01GM131178-01	93.859	Biomedical Research and Research Training	594,577	42,694
National Institutes of Health	Direct		1R01GM134548-01A	93.859	Biomedical Research and Research Training	507,638	-
National Institutes of Health	Direct		1R01GM137459-01A1	93.859	Biomedical Research and Research Training	290,999	90,702
National Institutes of Health	Direct		1R01GM137596-01	93.859	Biomedical Research and Research Training	416,036	6,224
National Institutes of Health	Direct		1R01GM140240	93.859	Biomedical Research and Research Training	191,114	-
National Institutes of Health	Direct		1R01GM141251-01A1	93.859	Biomedical Research and Research Training	282,723	-
National Institutes of Health	Direct		1R01GM141604-01A1	93.859	Biomedical Research and Research Training	126,625	-
National Institutes of Health	Direct		1R25GM134979	93.859	Biomedical Research and Research Training	182,954	6,628
National Institutes of Health	Direct		1R35GM122491-01	93.859	Biomedical Research and Research Training	373,785	-
National Institutes of Health	Direct		1R35GM122516-01	93.859	Biomedical Research and Research Training	418,183	-
National Institutes of Health	Direct		1R35GM125028-01	93.859	Biomedical Research and Research Training	357,978	-
National Institutes of Health	Direct		1R35GM127098	93.859	Biomedical Research and Research Training	434,266	-
National Institutes of Health	Direct		1R35GM128650-01	93.859	Biomedical Research and Research Training	353,910	-
National Institutes of Health	Direct		1R35GM128696-01	93.859	Biomedical Research and Research Training	338,516	-
National Institutes of Health	Direct		1R35GM128915	93.859	Biomedical Research and Research Training	330,267	-
National Institutes of Health	Direct		1R35GM131799	93.859	Biomedical Research and Research Training	888,786	-
National Institutes of Health	Direct		1R35GM133552-01	93.859	Biomedical Research and Research Training	535,807	-
National Institutes of Health	Direct		1R35GM133602	93.859	Biomedical Research and Research Training	295,756	-
National Institutes of Health	Direct		1R35GM136401-01	93.859	Biomedical Research and Research Training	605,096	-
National Institutes of Health	Direct		1R35GM138007-01	93.859	Biomedical Research and Research Training	317,944	-
National Institutes of Health	Direct		1R35GM142709-01	93.859	Biomedical Research and Research Training	266,935	-
National Institutes of Health	Direct		1R35GM144112-01	93.859	Biomedical Research and Research Training	126,043	-
National Institutes of Health	Direct		1R35GM144123-01	93.859	Biomedical Research and Research Training	258,570	-
National Institutes of Health	Direct		1R35GM145378-01	93.859	Biomedical Research and Research Training	47,167	-
National Institutes of Health	Direct		1T32GM137793	93.859	Biomedical Research and Research Training	358,751	-
National Institutes of Health	Direct		1T32GM139800	93.859	Biomedical Research and Research Training	636,841	11,902
National Institutes of Health	Direct		1T34GM138451-01	93.859	Biomedical Research and Research Training	392,864	-
National Institutes of Health	Direct		2 P41 GM103391-06	93.859	Biomedical Research and Research Training	25,409	-
National Institutes of Health	Direct		2R01DK095811-05A1	93.859	Biomedical Research and Research Training	372,151	84,997
National Institutes of Health	Direct		2R01GM063557-13	93.859	Biomedical Research and Research Training	176,300	-
National Institutes of Health	Direct		2R01GM067871-17	93.859	Biomedical Research and Research Training	357,062	-
National Institutes of Health	Direct		2R01GM070902-13A1	93.859	Biomedical Research and Research Training	319,207	-
National Institutes of Health	Direct		2R01GM076592-10 THUR 13	93.859	Biomedical Research and Research Training	216,814	14,649
National Institutes of Health	Direct		2R01GM077659-13	93.859	Biomedical Research and Research Training	267,835	-
National Institutes of Health	Direct		2R01GM080403-06A1	93.859	Biomedical Research and Research Training	30,437	-
National Institutes of Health	Direct		2R01GM107434	93.859	Biomedical Research and Research Training	23,048	-
National Institutes of Health	Direct		2R01GM107434-09	93.859	Biomedical Research and Research Training	278,955	-
National Institutes of Health	Direct		2R01GM114250-06	93.859	Biomedical Research and Research Training	293,298	74,691
National Institutes of Health	Direct		2R01GM116616-05	93.859	Biomedical Research and Research Training	420,489	48,230

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Institutes of Health	Direct		2R01GM118122-20	93.859	Biomedical Research and Research Training	304,842	-
National Institutes of Health	Direct		2R01GM126363-05	93.859	Biomedical Research and Research Training	158,119	-
National Institutes of Health	Direct		2R35GM118089-06	93.859	Biomedical Research and Research Training	199,996	-
National Institutes of Health	Direct		2R35GM119525-06	93.859	Biomedical Research and Research Training	23,643	-
National Institutes of Health	Direct		2R35GM119552-06	93.859	Biomedical Research and Research Training	186,401	-
National Institutes of Health	Direct		2R35GM119569-06	93.859	Biomedical Research and Research Training	408,720	-
National Institutes of Health	Direct		2R35GM122516-06	93.859	Biomedical Research and Research Training	160,198	-
National Institutes of Health	Direct		2T32GM007347-41-45	93.859	Biomedical Research and Research Training	1,317,175	-
National Institutes of Health	Direct		2T32GM007628-41-45	93.859	Biomedical Research and Research Training	410,448	133,993
National Institutes of Health	Direct		2T32GM008320	93.859	Biomedical Research and Research Training	446,142	-
National Institutes of Health	Direct		2T32GM065086-16-20	93.859	Biomedical Research and Research Training	429,834	-
National Institutes of Health	Direct		2T32GM080178-11	93.859	Biomedical Research and Research Training	238,510	-
National Institutes of Health	Direct		4R37GM067152-18	93.859	Biomedical Research and Research Training	502,898	-
National Institutes of Health	Direct		5R25GM062459-14-18	93.859	Biomedical Research and Research Training	1,167	-
National Institutes of Health	Direct		5T32GM008554-22	93.859	Biomedical Research and Research Training	21,976	-
National Institutes of Health	Direct		7R01GM117191-03	93.859	Biomedical Research and Research Training	38,871	-
National Institutes of Health	Direct		R01GM107378-05	93.859	Biomedical Research and Research Training	311,794	-
National Institutes of Health	Direct		R01GM119452-01	93.859	Biomedical Research and Research Training	(1,476)	-
National Institutes of Health	Direct		R35GM119525-01	93.859	Biomedical Research and Research Training	42,965	-
National Institutes of Health	Direct		R35GM1133743	93.859	Biomedical Research and Research Training	430,926	-
National Institutes of Health	Direct		9 R01 GM118122-16	93.859	Biomedical Research and Research Training	56	-
National Institutes of Health	Pass-Through	Brown University	BrownU - 00001400	93.859	Biomedical Research and Research Training	9,671	-
National Institutes of Health	Pass-Through	Case Western Reserve University	RCS513850	93.859	Biomedical Research and Research Training	51,080	-
National Institutes of Health	Pass-Through	Fisk University	2R25GM107754-06A1 - UNIV61142	93.859	Biomedical Research and Research Training	46,019	-
National Institutes of Health	Pass-Through	Indiana University	BL-4624936-VU	93.859	Biomedical Research and Research Training	119,662	-
National Institutes of Health	Pass-Through	Meru Biotechnologies	UNIV62232	93.859	Biomedical Research and Research Training	131,486	-
National Institutes of Health	Pass-Through	Northern California Institute for Research and Education	2R01GM061606-17	93.859	Biomedical Research and Research Training	290,003	-
National Institutes of Health	Pass-Through	Stanford University	R01GM113195-05	93.859	Biomedical Research and Research Training	19,108	-
National Institutes of Health	Pass-Through	University of California Los Angeles	2120 G WA478	93.859	Biomedical Research and Research Training	34,525	-
National Institutes of Health	Pass-Through	University of Colorado Boulder	Univ of Colorado - 1560008	93.859	Biomedical Research and Research Training	45,285	-
National Institutes of Health	Pass-Through	University of Michigan	SUBK00010381	93.859	Biomedical Research and Research Training	7,030	-
National Institutes of Health	Pass-Through	University of Nebraska Lincoln	UNIVJ	93.859	Biomedical Research and Research Training	47,000	-
National Institutes of Health	Pass-Through	University of Pittsburgh	Univ of Pittsburgh - AWD000026	93.859	Biomedical Research and Research Training	14,376	-
National Institutes of Health	Pass-Through	University of Virginia	R01GM138493-01	93.859	Biomedical Research and Research Training	148,024	-
National Institutes of Health	Pass-Through	University of Virginia	GB10515.157721	93.859	Biomedical Research and Research Training	114,128	-
National Institutes of Health	Pass-Through	University of Virginia	GB10658	93.859	Biomedical Research and Research Training	39,292	-
National Institutes of Health	Pass-Through	University of Wisconsin	1436	93.859	Biomedical Research and Research Training	20,539	-
National Institutes of Health	Pass-Through	VUMC	n/a	93.859	Biomedical Research and Research Training	25,991	-
National Institutes of Health	Pass-Through	VUMC	R01GM120484 VMC62142	93.859	Biomedical Research and Research Training	19,152	-
National Institutes of Health	Pass-Through	VUMC	VUMC3587	93.859	Biomedical Research and Research Training	362	-
National Institutes of Health	Pass-Through	VUMC	VUMC95769	93.859	Biomedical Research and Research Training	90,700	-
						22,572,971	814,110
National Institutes of Health	Direct		1 R0 HD089474-01	93.865	Child Health and Human Development Extramural Research	163,845	-
National Institutes of Health	Direct		1 R01 HD097772-01A1	93.865	Child Health and Human Development Extramural Research	426,961	-
National Institutes of Health	Direct		1F31HD106890-01A1	93.865	Child Health and Human Development Extramural Research	6,857	-
National Institutes of Health	Direct		1F32HD100079-01A1	93.865	Child Health and Human Development Extramural Research	15,926	-
National Institutes of Health	Direct		1R01HD088959-01A1	93.865	Child Health and Human Development Extramural Research	341,405	-
National Institutes of Health	Direct		1R01HD091232-01A1	93.865	Child Health and Human Development Extramural Research	332,612	176,917
National Institutes of Health	Direct		1R01HD098652-01A1	93.865	Child Health and Human Development Extramural Research	413,495	18,742
National Institutes of Health	Direct		1R01HD102725-01	93.865	Child Health and Human Development Extramural Research	476,870	116,003
National Institutes of Health	Direct		1R01HD104188-01A1	93.865	Child Health and Human Development Extramural Research	57,414	-
National Institutes of Health	Direct		1R03HD093547	93.865	Child Health and Human Development Extramural Research	859	-
National Institutes of Health	Direct		1R03HD099445-01A1	93.865	Child Health and Human Development Extramural Research	55,445	-
National Institutes of Health	Direct		1R21HD087757-01A1	93.865	Child Health and Human Development Extramural Research	121,518	8,371
National Institutes of Health	Direct		1R21HD088454-01A1	93.865	Child Health and Human Development Extramural Research	30,955	3,805
National Institutes of Health	Direct		1R37HD095519	93.865	Child Health and Human Development Extramural Research	434,522	2,783
National Institutes of Health	Direct		2 P20 HD075443-05	93.865	Child Health and Human Development Extramural Research	668,600	-
National Institutes of Health	Direct		2T32HD007502-21-25	93.865	Child Health and Human Development Extramural Research	287,337	-
National Institutes of Health	Direct		5 R01 HD044073-13	93.865	Child Health and Human Development Extramural Research	241,151	-
National Institutes of Health	Direct		F31HD104385	93.865	Child Health and Human Development Extramural Research	30,675	-
National Institutes of Health	Direct		RHD064727B	93.865	Child Health and Human Development Extramural Research	79,163	869
National Institutes of Health	Pass-Through	New York University	F0988-25	93.865	Child Health and Human Development Extramural Research	1,467	-
National Institutes of Health	Pass-Through	Penn State University	VANHD088448	93.865	Child Health and Human Development Extramural Research	13,258	-
National Institutes of Health	Pass-Through	Synchro Motion LLC	2R44HD096967-02A1	93.865	Child Health and Human Development Extramural Research	67,743	-
National Institutes of Health	Pass-Through	The Research Institute at Nationwide Children's Hospital	700167-0719-00	93.865	Child Health and Human Development Extramural Research	(8,736)	-
National Institutes of Health	Pass-Through	University of California Irvine	2018-3599	93.865	Child Health and Human Development Extramural Research	41,612	-
National Institutes of Health	Pass-Through	University of Colorado Boulder	1555885	93.865	Child Health and Human Development Extramural Research	37,088	-
National Institutes of Health	Pass-Through	University of Delaware	UDR0000026	93.865	Child Health and Human Development Extramural Research	4,620	-
National Institutes of Health	Pass-Through	University of Texas at San Antonio	100000265	93.865	Child Health and Human Development Extramural Research	10,415	-
National Institutes of Health	Pass-Through	VUMC	1 P50 HD103537-01	93.865	Child Health and Human Development Extramural Research	384,052	-
National Institutes of Health	Pass-Through	VUMC	UNIV LI	93.865	Child Health and Human Development Extramural Research	15,384	-
National Institutes of Health	Pass-Through	VUMC	VUMC R1697	93.865	Child Health and Human Development Extramural Research	27,633	-
National Institutes of Health	Pass-Through	VUMC	VUMC R6265	93.865	Child Health and Human Development Extramural Research	71,878	-
National Institutes of Health	Pass-Through	VUMC	VUMC R7891	93.865	Child Health and Human Development Extramural Research	59,376	-
National Institutes of Health	Pass-Through	VUMC	VUMC R5639	93.865	Child Health and Human Development Extramural Research	25,367	-
National Institutes of Health	Pass-Through	Washington University In St. Louis	WU-20-207	93.865	Child Health and Human Development Extramural Research	13,084	-

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Institutes of Health	Pass-Through	Washington University In St. Louis	WU-22-0365	93.865	Child Health and Human Development Extramural Research	37,020	-
National Institutes of Health	Pass-Through	Wits Health Consortium	R01HD103466	93.865	Child Health and Human Development Extramural Research	72,225	-
						<u>5,059,729</u>	<u>328,089</u>
National Institutes of Health	Direct		1F31AG061984	93.866	Aging Research	2,402	-
National Institutes of Health	Direct		1F31AG066358	93.866	Aging Research	30,842	-
National Institutes of Health	Direct		1F31AG069462-01	93.866	Aging Research	30,538	-
National Institutes of Health	Direct		1R01AG051626-01	93.866	Aging Research	107,893	-
National Institutes of Health	Direct		1R01AG054622	93.866	Aging Research	162,703	-
National Institutes of Health	Direct		1R01AG056147-01	93.866	Aging Research	533,672	244,264
National Institutes of Health	Direct		1R01AG062685-01A1	93.866	Aging Research	610,213	196,149
National Institutes of Health	Direct		1R01AG063771-01	93.866	Aging Research	492,455	5,438
National Institutes of Health	Direct		1R01AG064950-01	93.866	Aging Research	1,087,212	226,816
National Institutes of Health	Direct		1R01AG069900	93.866	Aging Research	523,620	346,344
National Institutes of Health	Direct		1R01AG073354-01A1	93.866	Aging Research	22,044	-
National Institutes of Health	Direct		1R21AG071975-01A1	93.866	Aging Research	49,940	6,581
National Institutes of Health	Direct		1R21AG072189-01A1	93.866	Aging Research	29,534	7,825
National Institutes of Health	Direct		1R21AG073891 - 01	93.866	Aging Research	201,531	-
National Institutes of Health	Direct		1R21AG077807-01	93.866	Aging Research	7,031	-
National Institutes of Health	Direct		1RF1AG068623	93.866	Aging Research	530,794	-
National Institutes of Health	Direct		4R01AG052696	93.866	Aging Research	138,151	-
National Institutes of Health	Direct		7RF1AG060754-02	93.866	Aging Research	1,022,303	591,852
National Institutes of Health	Direct		F30AG064847	93.866	Aging Research	44,611	-
National Institutes of Health	Direct		T32AG058524	93.866	Aging Research	359,203	27,774
National Institutes of Health	Pass-Through	Cleveland Clinic	R01AG066707	93.866	Aging Research	94,538	-
National Institutes of Health	Pass-Through	Emory University	A375202	93.866	Aging Research	193,894	-
National Institutes of Health	Pass-Through	Rush University Medical Center	L0303002-Sub03	93.866	Aging Research	13,613	-
National Institutes of Health	Pass-Through	University of California Berkeley	1R01AG063389-01A1-00010220	93.866	Aging Research	31,483	-
National Institutes of Health	Pass-Through	University of Kansas Center for Research, Inc.	FY2021-086	93.866	Aging Research	47,280	-
National Institutes of Health	Pass-Through	University of Michigan	SUBK00016070	93.866	Aging Research	19,075	-
National Institutes of Health	Pass-Through	University of North Carolina Chapel Hill	2R24AG045061	93.866	Aging Research	(4)	-
National Institutes of Health	Pass-Through	University of Pittsburgh	0056283 (130061-1)	93.866	Aging Research	16,123	-
National Institutes of Health	Pass-Through	Univ of Pittsburg - AWD0000202		93.866	Aging Research	55,954	-
National Institutes of Health	Pass-Through	University of Texas Southwestern Medical Center	GM0191209	93.866	Aging Research	183,460	-
National Institutes of Health	Pass-Through	VUMC	5R01AG058639-02	93.866	Aging Research	117,917	-
National Institutes of Health	Pass-Through	VUMC	VUMC 64875	93.866	Aging Research	45,426	-
National Institutes of Health	Pass-Through	VUMC	VUMC 87987	93.866	Aging Research	46,998	-
National Institutes of Health	Pass-Through	VUMC	VUMC 90311	93.866	Aging Research	17,381	-
National Institutes of Health	Pass-Through	VUMC	VUMC 90498	93.866	Aging Research	29,316	-
National Institutes of Health	Pass-Through	VUMC	VUMC86685	93.866	Aging Research	8,482	-
National Institutes of Health	Pass-Through	VUMC	VUMC35951	93.866	Aging Research	11,659	-
National Institutes of Health	Pass-Through	Rush University Medical Center	L0303002-Sub03	93.866	Aging Research	5,000	-
						<u>6,924,674</u>	<u>1,653,044</u>
National Institutes of Health	Direct		1EYR01EY013462-16A1	93.867	Vision Research	(62,009)	27,455
National Institutes of Health	Direct		1F31EY01293-01A1	93.867	Vision Research	29,490	-
National Institutes of Health	Direct		1F31EY032348-01A1	93.867	Vision Research	20,093	-
National Institutes of Health	Direct		1F31EY032772	93.867	Vision Research	33,073	-
National Institutes of Health	Direct		1R01EY027402-01	93.867	Vision Research	236,203	-
National Institutes of Health	Direct		1R01EY029279-01	93.867	Vision Research	249,058	-
National Institutes of Health	Direct		1R01EY030490-01	93.867	Vision Research	211,679	2,707
National Institutes of Health	Direct		1R01EY031769-01	93.867	Vision Research	390,732	4,047
National Institutes of Health	Direct		1R01EY032670-01	93.867	Vision Research	117,903	44,294
National Institutes of Health	Direct		1US4EY032442-01	93.867	Vision Research	1,210,298	449,536
National Institutes of Health	Direct		2R01EY002686-45	93.867	Vision Research	357,396	-
National Institutes of Health	Direct		2R01EY008890-27	93.867	Vision Research	47,926	-
National Institutes of Health	Direct		2R01EY011500-23A1	93.867	Vision Research	521,771	-
National Institutes of Health	Direct		2R01EY012018-22-26	93.867	Vision Research	510,899	-
National Institutes of Health	Direct		2R01EY013462-20A1	93.867	Vision Research	109,757	-
National Institutes of Health	Direct		2R01EY019882-09	93.867	Vision Research	124,792	28,991
National Institutes of Health	Direct		2R01EY021833-08A1	93.867	Vision Research	342,769	-
National Institutes of Health	Direct		2R01EY024258-05A1	93.867	Vision Research	366,976	111,500
National Institutes of Health	Direct		2T32EY007135-26	93.867	Vision Research	117,192	-
National Institutes of Health	Direct		5T32EY021453-07 THRU 10	93.867	Vision Research	96,393	-
National Institutes of Health	Direct		7R01EY017077-12	93.867	Vision Research	412,810	95,602
National Institutes of Health	Direct		R01EY027729	93.867	Vision Research	269,580	115,550
National Institutes of Health	Pass-Through	Boston University	4500004101	93.867	Vision Research	14,098	-
National Institutes of Health	Pass-Through	State University of New York	580-1141963-79147	93.867	Vision Research	7,687	-
National Institutes of Health	Pass-Through	University of Alabama at Birmingham	00051640-SC001	93.867	Vision Research	5,424	-
National Institutes of Health	Pass-Through	VUMC	2R01EY023397-07	93.867	Vision Research	10,180	-
National Institutes of Health	Pass-Through	VUMC	5 P30 EY0126-27	93.867	Vision Research	321,983	-
National Institutes of Health	Pass-Through	VUMC	VUMC 58890	93.867	Vision Research	108,809	-
National Institutes of Health	Pass-Through	VUMC	VUMC 67445	93.867	Vision Research	127,489	-
National Institutes of Health	Pass-Through	VUMC	VUMC 65303	93.867	Vision Research	86,259	-
National Institutes of Health	Pass-Through	VUMC	VUMC97368	93.867	Vision Research	9,815	-
						<u>6,406,525</u>	<u>879,682</u>
Health Resources and Services Administration	Pass-Through	University of Texas at Austin	UTAUT-SUB00000417	93.870	Maternal, Infant and Early Childhood Home Visiting Grant Program	24,096	-
						<u>24,096</u>	<u>-</u>

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
National Institutes of Health	Direct		1G13LM013557-01	93.879	Medical Library Assistance	24,918	-
National Institutes of Health	Direct		1R01LM013434-01A1	93.879	Medical Library Assistance	164,998	-
National Institutes of Health	Direct		2T15LM007450	93.879	Medical Library Assistance	946,527	23,356
National Institutes of Health	Direct		5T32LM012412-02	93.879	Medical Library Assistance	27,333	-
National Institutes of Health	Pass-Through	University of Massachusetts Lowell	S5110000040449	93.879	Medical Library Assistance	9,068	-
						<u>1,172,842</u>	<u>23,356</u>
Health Resources and Services Administration	Pass-Through	Meharry Medical College	190618MK0206	93.884	Grants for Primary Care Training and Enhancement	49,994	-
						<u>49,994</u>	<u>-</u>
Centers for Disease Control	Pass-Through	University of Memphis	A21-0156-S001	93.943	Epidemiologic Research Studies of Acquired Immunodeficiency Syndrome (AIDS) and Human Immunodeficiency Virus (HIV) Infection in Selected Population Groups	26,813	-
						<u>26,813</u>	<u>-</u>
Substance Abuse and Mental Health Services Administration	Pass-Through	TN Department of Mental Health and Substance Abuse	B08T10050-19	93.959	Block Grants for Prevention and Treatment of Substance Abuse	15,594	-
Substance Abuse and Mental Health Services Administration	Pass-Through	TN Department of Mental Health and Substance Abuse	Edson ID 70536	93.959	Block Grants for Prevention and Treatment of Substance Abuse	59,670	-
						<u>75,264</u>	<u>-</u>
Health Resources and Services Administration	Pass-Through	VUMC	U1QHP33085-01-00	93.969	PPHF Geriatric Education Centers	92,914	-
						<u>92,914</u>	<u>-</u>
National Institutes of Health	Direct		R21TW011294	93.989	International Research and Research Training	25,934	11,009
						<u>25,934</u>	<u>11,009</u>
Total Department of Health and Human Services						<u>143,872,355</u>	<u>17,582,805</u>
US Department of Homeland Security	Direct		HSCG23-17-C-MCRO19	97.RD	Department of Homeland Security	-	-
US Department of Homeland Security	Pass-Through	University of North Carolina Chapel Hill	5117117	97.RD	Department of Homeland Security	52,353	-
						<u>52,353</u>	<u>-</u>
Total US Department of Homeland Security							
US Agency for International Development	Direct		7200AA19C00022	98.RD	Agency for International Development	1,735,844	71,289
US Agency for International Development	Pass-Through	EnCompass LLC	S-19-1019-LAPOPOP-01_72052719C00	98.RD	Agency for International Development	1,537	-
						<u>1,737,381</u>	<u>71,289</u>
Total US Agency for International Development						<u>227,099,028</u>	<u>28,970,578</u>
Entitlement Grant Cluster							
US Department of Housing and Urban Development	Pass-Through	Abt Associates, Inc.	53137	14.218	Community Development Block Grants/Entitlement Grants	34,815	-
						<u>34,815</u>	<u>-</u>
Total Entitlement Grant Cluster							
Highway Planning and Construction Cluster							
US Department of Transportation	Direct	TN Department of Transportation	40100-07219	20.205	Highway Planning and Construction	27,050	-
US Department of Transportation	Pass-Through	Tennessee State University	332.77-21.2000	20.205	Highway Planning and Construction	31,583	-
US Department of Transportation	Pass-Through	TN Department of Transportation	40100-07219	20.205	Highway Planning and Construction	6,639	-
US Department of Transportation	Pass-Through	TN Department of Transportation	40100-11319-61300	20.205	Highway Planning and Construction	596,799	-
US Department of Transportation	Pass-Through	TN Department of Transportation	40100-15916	20.205	Highway Planning and Construction	105,179	-
US Department of Transportation	Pass-Through	TN Department of Transportation	40100-23600	20.205	Highway Planning and Construction	1,026,513	-
US Department of Transportation	Pass-Through	TN Department of Transportation	40100-24320	20.205	Highway Planning and Construction	71,888	18,530
US Department of Transportation	Pass-Through	TN Department of Transportation	40100-49700	20.205	Highway Planning and Construction	2,034	-
US Department of Transportation	Pass-Through	TN Department of Transportation	TDOT 40100-07219	20.205	Highway Planning and Construction	4,430	8,043
US Department of Transportation	Pass-Through	University of Tennessee Knoxville	A20-1329-S001	20.205	Highway Planning and Construction	34,987	-
						<u>1,907,103</u>	<u>26,573</u>
Total Highway Planning and Construction Cluster							
Special Education Cluster (Idea)							
US Department of Education	Pass-Through	NH Department of Education	SPED-2019-9_H323A170029	84.027	Special Education, Grants to States	453,436	352,445
US Department of Education	Pass-Through	TN Department of Education	GR-10-27842-00	84.027	Special Education, Grants to States	13,504	10,351
US Department of Education	Pass-Through	TN Department of Education	33136-00718 DOE TN	84.027	Special Education, Grants to States	659,960	782
US Department of Education	Pass-Through	TN Department of Education	33101-2100433136GR5D_ED71227	84.027	Special Education, Grants to States	1,672,362	874,430
						<u>2,799,262</u>	<u>1,238,008</u>
Total Special Education Cluster (Idea)							
Head Start Cluster							
Administration for Children and Families	Pass-Through	ZERO TO THREE	2020100043	93.600	Head Start	173,020	103,980
Administration for Children and Families	Pass-Through	ZERO TO THREE	2021090580	93.600	Head Start	287,407	62,280
						<u>440,427</u>	<u>166,240</u>
Total Head Start Cluster							
Student Financial Assistance Cluster							
US Department of Education	Direct		P379T212253	84.379	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)	3,772	-
US Department of Education	Direct		P379T222253	84.379	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)	14,616	-
						<u>18,388</u>	<u>-</u>
US Department of Education	Direct		P007A213941	84.007	Federal Supplemental Educational Opportunity Grants	1,400,321	-
						<u>1,400,321</u>	<u>-</u>
US Department of Education	Direct		P033A173941	84.033	Federal Work-Study Program	1,382	-
US Department of Education	Direct		P033A193941	84.033	Federal Work-Study Program	(379)	-
US Department of Education	Direct		P033A203941	84.033	Federal Work-Study Program	(39)	-
US Department of Education	Direct		P033A203941_FWS	84.033	Federal Work-Study Program	216,497	-
US Department of Education	Direct		P033A213941	84.033	Federal Work-Study Program	1,552,953	-
						<u>1,770,414</u>	<u>-</u>
US Department of Education	Direct			84.038	Federal Perkins Loan Program	6,598,673	-
						<u>6,598,673</u>	<u>-</u>
US Department of Education	Direct		P063P202253	84.063	Federal Pell Grant Program	64,490	-
US Department of Education	Direct		P063P212253	84.063	Federal Pell Grant Program	5,874,791	-
						<u>5,939,281</u>	<u>-</u>
US Department of Education	Direct			84.268	Federal Direct Student Loans	106,428,278	-
						<u>106,428,278</u>	<u>-</u>
Total US Department of Education						<u>122,155,355</u>	<u>-</u>

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Cluster Title/Federal Grant/Program	Type	Pass-Through Grantor	Award Identifier	Assistance Listing Number	Program Title	Federal Expenditures	Passed Through to Subrecipients
US Department of Health and Human Services	Direct			93.264	Nurse Faculty Loan Program (NFLP)	-	-
				93.264	Outstanding loans as of July 1, 2021	8,052,210	-
				93.264	New loans issued during 2022	1,603,216	-
						<u>9,655,426</u>	-
US Department of Health and Human Services	Direct			93.364	Nursing Student Loans	-	-
				93.364	Outstanding loans as of July 1, 2021	2,149,898	-
				93.364	New loans issued during 2022	542,840	-
						<u>2,692,738</u>	-
US Department of Health and Human Services	Direct			93.408	ARRA - Nurse Faculty Loan Program (NFLP)	173,714	-
						<u>173,714</u>	-
Total US Department of Health and Human Services						<u>12,521,867</u>	-
Health Resources and Services Administration	Direct		1 T08HP39332-01-00	93.925	Scholarships for Health Professions Students from Disadvantaged Backgrounds	679,940	-
						<u>679,940</u>	-
Total Student Financial Assistance Cluster						<u>135,357,163</u>	-
Other Programs							
US Agency for International Development	Pass-Through	Corporación Participación Ciudadana Ecuador	UNIV62342	98.001	USAID Foreign Assistance for Programs Overseas	16,919	-
Total Other Programs						<u>16,919</u>	-
Total Federal Expenditures						<u>367,654,716</u>	<u>30,401,399</u>

The accompanying notes are an integral part of this schedule.

Vanderbilt University

Notes to Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

1. Basis of Presentation

The accompanying Schedule of Expenditures of Federal Awards (the “Schedule”) includes the federal expenditures of Vanderbilt University (“Vanderbilt”) under programs of the federal government for the year ended June 30, 2022. The information in this Schedule 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”) and Office of Management and Budget Circular A-21, *Cost Principles for Educational Institutions* as applicable. Because the Schedule presents only a selected portion of the operations of Vanderbilt, it is not intended to, and does not, present the financial position, changes in net assets, or cash flows of Vanderbilt.

For purposes of the Schedule, federal awards include all grants, contracts, and similar agreements entered into directly between Vanderbilt and agencies and departments of the federal government and all subawards to Vanderbilt by nonfederal organizations pursuant to federal grants, contracts, and similar agreements.

2. Summary of Significant Accounting Policies for the Schedule

For purposes of the Schedule, expenditures for federal programs are recognized on the accrual basis, which is consistent with generally accepted accounting principles.

Expenditures for federal student financial assistance programs are recognized as incurred and include Federal Pell program grants to students, the federal share of students’ FSEOG program grants, FWS program earnings, loans to students under federally guaranteed programs and certain other federal financial assistance grants for students and administrative cost allowances, where applicable.

Expenditures for other federal awards on the Schedule are reported on the accrual basis of accounting. Such expenditures are recognized following, as applicable, either the cost principles in *Uniform Guidance* or *A-21*, wherein certain types of expenditures are not allowable or are limited as to reimbursement.

Expenditures for certain nonstudent financial assistance awards include facilities and administrative costs (indirect costs). Facilities and administrative costs allocated to such awards for the year ended June 30, 2022 were based on predetermined fixed rates negotiated with Vanderbilt’s cognizant federal agency, the U.S. Department of Health and Human Services. Indirect costs and recoveries of those costs under sponsored programs are classified as unrestricted expenditures and revenues, respectively, in Vanderbilt’s financial statements. Vanderbilt has elected not to use the 10-percent de minimis indirect cost rate allowed under the *Uniform Guidance*.

Negative amounts represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years. This results in accurate reporting on a cumulative basis over multiple periods. Assistance Listing numbers and pass-through numbers are provided when available.

Vanderbilt University
Notes to Schedule of Expenditures of Federal Awards
Year Ended June 30, 2022

3. Federal Student Financial Assistance Programs

The Perkins, Nurse Faculty Loan Program (NFLP), and Nursing Student Loan (NSL) programs are administered directly by Vanderbilt, and balances and transactions relating to these programs are included in Vanderbilt's consolidated financial statements. The Perkins program was closed in 2017 and the outstanding funds are being paid back. Loans outstanding at the beginning of the year and the amount of direct loans made during the year ended June 30, 2022 are included in the federal expenditures presented in the Schedule. The balance of loans outstanding at June 30, 2022 consists of:

Program	Assistance Listing Number	2022
Perkins	84.038	\$ 6,598,673
NFLP	93.264	9,655,426
NFLP ARRA	93.408	173,714
NSL	93.364	<u>2,692,728</u>
		<u>\$ 19,120,541</u>

Vanderbilt is responsible for the performance of certain administrative duties with respect to the guaranteed federal direct loan programs. As a university qualified to originate loans, Vanderbilt is responsible for handling the complete loan origination process, including funds management and promissory note functions. Vanderbilt is not responsible for the collection of these loans.

4. Revision of Previously Issued Schedule of Expenditures of Federal Awards

The previously-issued Schedule for the year ended June 30, 2022 excluded approximately \$2.3 million of expenditures for program 84.027 Special Education Cluster (IDEA), that should have been recorded for this program. The Schedule has been revised to reflect this amount.



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

To the Board of Trust of Vanderbilt University

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the consolidated financial statements of Vanderbilt University and its subsidiaries, which comprise the consolidated statement of financial position as of June 30, 2022, and the related consolidated statements of activities and of cash flows for the year then ended, including the related notes (collectively referred to as the “consolidated financial statements”), and have issued our report thereon dated September 30, 2022, except with respect to the opinion on the accompanying supplemental schedule of expenditures of federal awards, as to which the date is January 26, 2024.

Report on Internal Control Over Financial Reporting

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

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



Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether Vanderbilt University's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the 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 Vanderbilt 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 Vanderbilt University's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

PricewaterhouseCoopers LLP

Nashville, Tennessee

September 30, 2022, except with respect to the opinion on the accompanying supplemental schedule of expenditures of federal awards, as to which the date is January 26, 2024



Report of Independent Auditors on Compliance for Each Major Program and on Internal Control Over Compliance Required by Uniform Guidance

To the Board of Trust of Vanderbilt University

Report on Compliance for Each Major Federal Program

Opinion on Each Major Federal Program

We have audited Vanderbilt University's compliance with the types of compliance requirements identified as subject to audit in the OMB Compliance Supplement that could have a direct and material effect on each of Vanderbilt University's major federal programs for the year ended June 30, 2022. Vanderbilt University's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

In our opinion, Vanderbilt University complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2022.

Basis for Opinion on Each Major Federal Program

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (US GAAS); the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Our responsibilities under those standards and the Uniform Guidance are further described in the Auditors' Responsibilities for the Audit of Compliance section of our report.

We are required to be independent of Vanderbilt University and to meet our other ethical responsibilities, in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for each major federal program. Our audit does not provide a legal determination of Vanderbilt University's compliance with the compliance requirements referred to above.

Responsibilities of Management for Compliance

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules and provisions of contracts or grant agreements applicable to Vanderbilt University's federal programs.



Auditors' Responsibilities for the Audit of Compliance

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on Vanderbilt University's compliance based on our audit. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with US GAAS, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material, if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about Vanderbilt University's compliance with the requirements of each major federal program as a whole.

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

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

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

Other Matters

As indicated in Part I to the accompanying Schedule of Findings and Questioned Costs, we have audited the Student Financial Assistance cluster as a major program. Also, as indicated in the first paragraph of this report, we performed our audit of compliance using the compliance requirements contained in the OMB Compliance Supplement, including those contained in Part V 5.3, Compliance Requirement N, Special Tests and Provisions, Section 10 "Gramm-Leach-Bliley Act-Student Information Security." This section includes three suggested audit procedures with respect to verification that the institution (1) designated an individual to coordinate the information security program, (2) performed a risk assessment that addresses the three required areas in 16 CFR 314.4(b), and (3) documented a safeguard for each risk identified. Our procedures in relation to these three items were limited to inquiry of and



obtaining written representation from management and obtaining and reading management's documentation related to these three items. Our procedures did not include an analysis of the adequacy or completeness of the risk assessment performed or the safeguards for each risk identified by management.

We previously issued our Report of Independent Auditors on Compliance for Each Major Program and on Internal Control Over Compliance Required by Uniform Guidance, dated September 30, 2022. Subsequent to the issuance of that report, it was determined that there were certain expenditures associated with major program 84.027 - Special Education Cluster (IDEA) that were not included on the Schedule of Expenditures of Federal Awards (SEFA). Accordingly, the accompanying SEFA has been updated to include all expenditures associated with the 84.027 - Special Education Cluster (IDEA), which has now been audited as a major program. The date of our audit of that major program is January 26, 2024.

The results of our auditing procedures disclosed instances of noncompliance, which are required to be reported in accordance with the Uniform Guidance and which are described in the accompanying schedule of findings and questioned costs as item 2022-001. Our opinion on each major federal program is not modified with respect to this matter.

Government Auditing Standards requires the auditor to perform limited procedures on Vanderbilt University's response to the noncompliance findings identified in our audit described in the accompanying Management's Views and Corrective Action Plan. Vanderbilt University's response was not subjected to the other auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

Report on Internal Control Over Compliance

Our consideration of internal control over compliance was for the limited purpose described in the Auditors' Responsibilities for the Audit of Compliance section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance and therefore, material weaknesses or significant deficiencies may exist that have not been identified. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, as discussed below, we did identify a deficiency in internal control over compliance that we consider to be a significant deficiency.

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



A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance. We consider the deficiency in internal control over compliance described in the accompanying schedule of findings and questioned costs as item 2022-002 to be a significant deficiency.

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.

Government Auditing Standards requires the auditor to perform limited procedures on the University's response to the internal control over compliance findings identified in our audit described in the accompanying Management's Views and Corrective Action Plan. The University's response was not subjected to the other auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

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

PricewaterhouseCoopers LLP

Nashville, Tennessee

October 11, 2022, except as it relates to Assistance Listing Number 84.027 Special Education Cluster (IDEA), as to which the date is January 26, 2024

Vanderbilt University

Schedule of Findings and Questioned Costs

Year Ended June 30, 2022

Section I - Summary of Auditor's Results

Financial Statements

Type of auditor's report issued:

Internal control over financial reporting:

Material weakness(es) identified?

Significant deficiency(ies) identified that are not considered to be material weaknesses?

Noncompliance material to financial statements noted?

Unmodified

_____	yes	<u> X </u>	no
_____	yes	<u> X </u>	none reported
_____	yes	<u> X </u>	no

Federal Awards

Internal control over major programs:

Material weakness(es) identified?

Significant deficiency(ies) identified that are not considered to be material weaknesses?

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

_____	yes	<u> X </u>	no
<u> X </u>	yes	_____	none reported

Unmodified

Any audit findings disclosed that are required to be reported in accordance with the 2 CFR 200.516(a)?

<u> X </u>	yes	_____	no
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Identification of major programs

Assistance Listing Number(s)

Name of Federal Program or Cluster

Various
84.027

Student Financial Assistance Cluster
Special Education Cluster (IDEA)

Dollar threshold used to distinguish between type A and type B programs:

\$ 3,000,000

Auditee qualified as low-risk auditee?

<u> X </u>	yes	_____	no
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Section II - Financial Statement Findings

No matters noted.

Vanderbilt University

Schedule of Findings and Questioned Costs

Year Ended June 30, 2022

Section III – Federal Award Findings and Questioned Costs

Finding 2022-001: Notification of Title IV disbursement not provided appropriately

Federal Agency: Department of Education

Program: Student Financial Assistance Cluster

Assistance Listing #: Various

Award #: Various

Award Year: 2021-2022

Criteria:

34 CFR 668.165, Before an institution disburses Title IV, HEA program funds for any award year, the institution must notify a student of the amount of funds that the student or his or her parent can expect to receive under each Title IV, HEA program, and how and when those funds will be disbursed. If those funds include Direct Loan program funds, the notice must indicate which funds are from subsidized loans, which are from unsubsidized loans, and which are from PLUS loans.

Questioned Costs:

None.

Condition:

During the 2021-2022 award year, four out of twenty-five students tested in our sample of disbursements of Title IV funds were not provided notification prior to disbursement of funds as dictated by 34 CFR 668.165. Notification was provided subsequent to disbursement for three of these students; however, one student was not notified at all.

Cause:

The University's internal controls over Title IV eligibility and disbursement include a manual review of each student's account prior to disbursement. Upon completion of this review, the employee performing the review will manually flag the student's account in the system which generates the required notification prior to disbursement. These four student accounts were not manually flagged for notification.

Effect:

The University did not provide timely notification to three students and did not provide notification at all for one student.

Recommendation:

We recommend the University reiterate to control owners the importance of manually flagging students' accounts when reviews are performed. Additionally, a review control to ensure notifications are provided prior to disbursement should be considered.

Views of Responsible Officials/Management Response:

See Management's view and corrective action plan included at the end of this report.

Vanderbilt University

Schedule of Findings and Questioned Costs

Year Ended June 30, 2022

Finding 2022-002: Understatement of Federal Expenditures

Federal Agency: Department of Education

Program: Special Education Cluster

Assistance Listing #: 84.027

Award #: Various

Award Year: 2021-2022

Criteria:

2 CFR PART 200, APPENDIX XI (Compliance Supplement), The OMB requires all federal awards be included within the Schedule of Expenditures of Federal Awards (“SEFA”).

Questioned Costs:

None.

Condition:

The originally-issued SEFA for the year ended June 30, 2022 excluded expenditures of \$2,331,061 pertaining to Assistance Listing Number 84.027 Special Education Cluster (Idea). The Schedule has been revised to correctly reflect these expenditures, and as a result, that program has been audited as a major program.

Cause:

This occurred because Subcontracts provided under the Contractor’s State Contract 33101-2100433136GR5B _ED71227 and 33136-00718 DOE TN were erroneously set up in the accounting system as non-federal award types, therefore were omitted from the SEFA.

Effect:

Failure to properly identify and categorize all federal awards increases the likelihood that errors and omissions may occur and remain undetected resulting in a misstated SEFA and inappropriate audit scoping determinations.

Recommendation:

Management should enhance current controls surrounding award setup to ensure that the correct award type is utilized for every grant and contract. In addition, management should continue to perform a thorough review of the SEFA details to ensure completeness.

Views of Responsible Officials/Management Response:

See Management’s view and corrective action plan included at the end of this report.

Vanderbilt University
Summary Schedule of Prior Audit Findings
Year Ended June 30, 2022

There are no findings from prior years which require an update in this report.

The following was noted during the audit of Federal programs in accordance with UMB Uniform Guidance. Management proposes the following Corrective Action Plan:

Finding 2022-001: Notification of Title IV disbursement not provided appropriately

Management's View

The University agrees with this finding. The normal process includes that once the aid officer has reviewed a student's eligibility and has finalized the financial aid award, a flag is set for the system to generate the required notification. In the case of these four students, staff members failed to execute this step and the award notification was not generated. The University will review and strengthen its training procedures with staff to ensure all students receive the appropriate notification(s).

Corrective Action Plan

As a corrective measure, along with additional staff training, Vanderbilt will be implementing a quality control step to ensure that the notifications are properly made. This step will essentially do a sweep of students whose financial aid awards have been finalized (but prior to the actual disbursement of funds) but have not yet received the required financial aid notification letter. This process will be executed on a weekly basis.

Vanderbilt University expects to have this process in place by November 2022. For follow-up questions and information, please contact Brent Tener, Executive Director of Student Financial Aid and Scholarships at Vanderbilt University.

The following was noted during the audit of Federal programs in accordance with UMB Uniform Guidance. Management proposes the following Corrective Action Plan:

Finding 2022-002: Understatement of Federal Expenditures

Management's View

Management concurred with the finding and provided a plan of corrective action – see below.

Corrective Action Plan

Management agrees that controls over the completeness of reporting federal expenditures should be enhanced to ensure proper reporting in the SEFA. Management will review the multi-level review process implemented in May 2022 of award setup and adjust as needed.

To ensure this issue is resolved, Management corrected the award type for the subcontract that caused this finding. In addition, in September 2023 Management created three integrity check reports validating that a federal direct or federal prime sponsor is appropriately setup as a federal award and project type that will be used for award maintenance and SEFA preparation. For follow-up questions and information, please contact Jana Blick, Senior Director of Research Finance.