

**Table 5****Thirty institutions reporting the largest FY 2022 R&D expenditures in all fields: FYs 2020–22**

(Millions of current dollars)

Institution	Rank	2020	2021	2022
All institutions	-	86,302	89,695	97,681
Leading 30 institutions	-	36,630	38,126	41,266
Johns Hopkins U. <sup>a</sup>	1	3,110	3,181	3,420
U. California, San Francisco	2	1,651	1,710	1,806
U. Pennsylvania	3	1,579	1,632	1,791
U. Michigan, Ann Arbor	4	1,674	1,640	1,771
U. Washington, Seattle	5	1,457	1,489	1,560
U. California, Los Angeles	6	1,393	1,455	1,536
U. California, San Diego	7	1,404	1,425	1,533
U. Wisconsin-Madison	8	1,364	1,380	1,524
Duke U.	9	1,197	1,238	1,391
Stanford U.	10	1,204	1,274	1,385
Ohio State U.	11	968	1,236	1,363
U. North Carolina, Chapel Hill	12	1,160	1,206	1,361
Harvard U.	13	1,240	1,254	1,308
Cornell U.	14	1,190	1,184	1,300
New York U.	15	947	1,064	1,276
U. Pittsburgh, Pittsburgh	16	1,106	1,135	1,252
Georgia Institute of Technology	17	1,049	1,114	1,231
Columbia U. in the City of New York	18	1,033	1,099	1,231
U. Maryland <sup>b</sup>	19	1,103	1,142	1,229
U. Minnesota, Twin Cities	20	1,042	1,073	1,202
Yale U.	21	1,094	1,165	1,191
U. Texas M. D. Anderson Cancer Center	22	1,051	1,125	1,183
Texas A&M U., College Station and Health Science Center	23	1,131	1,148	1,153
Vanderbilt U. and Vanderbilt U. Medical Center	24	825	1,019	1,086
U. Florida	25	942	960	1,086
Washington U., Saint Louis	26	920	989	1,047
U. Southern California	27	941	956	1,040
Pennsylvania State U., University Park and Hershey Medical Center	28	992	971	1,020
Northwestern U.	29	875	913	1,001
Massachusetts Institute of Technology	30	988	949	989

<sup>a</sup> Johns Hopkins University includes the Applied Physics Laboratory, with \$2,056 million in total R&D expenditures in FY 2022.

<sup>b</sup> University of Maryland includes expenditures from University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to 2019, both campuses reported to the Higher Education Research and Development Survey as separate institutions.

**Note(s):**

Because of rounding, detail may not add to total. Rankings are based on unrounded totals. This table reflects the leading 30 institutions for FY 2022; the institutions listed may not be in the top 30 of prior fiscal years.

**Source(s):**

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.