

TABLE 2

## Higher education R&amp;D expenditures, by source of funds and survey form: FYs 2010–21

(Dollars in thousands)

Survey form and fiscal year	All R&D expenditures	Source of funds								
		Federal government	State and local government	Institution funds				Business	Nonprofit organizations	All other sources
				Total	Institutionally financed research	Cost sharing	Unrecovered indirect costs			
All institutions										
2010	61,286,610	37,477,582	3,887,106	11,942,532	6,198,189	1,083,275	4,661,068	3,201,904	3,729,655	1,047,831
2011	65,274,393	40,768,251	3,851,323	12,580,320	6,816,187	1,153,646	4,610,487	3,182,671	3,853,950	1,037,878
2012	65,872,505	40,216,862	3,743,834	13,625,176	7,723,845	1,289,013	4,612,318	3,279,179	4,037,021	970,433
2013	67,144,666	39,510,280	3,705,597	14,973,909	8,906,778	1,360,580	4,706,551	3,514,750	3,902,646	1,537,484
2014	67,351,146	38,031,837	3,915,607	15,781,083	9,636,685	1,380,434	4,763,964	3,733,688	3,977,753	1,911,178
2015	68,694,164	37,910,989	3,864,085	16,637,890	10,445,258	1,352,515	4,840,117	4,008,532	4,235,520	2,037,148
2016	71,910,615	38,857,606	4,053,355	17,944,172	11,447,240	1,459,394	5,037,538	4,219,432	4,631,968	2,204,082
2017	75,290,993	40,319,790	4,186,563	18,886,771	12,131,776	1,561,958	5,193,037	4,438,651	5,156,710	2,302,508
2018	79,173,538	41,934,743	4,326,360	20,220,955	13,196,346	1,519,509	5,505,100	4,724,969	5,455,722	2,510,789
2019	83,642,841	44,539,670	4,520,294	21,115,387	14,011,371	1,566,041	5,537,975	5,063,790	5,702,033	2,701,667
2020	86,444,902	46,196,287	4,596,328	22,022,573	14,646,299	1,635,305	5,740,969	5,187,168	5,754,385	2,688,161
2021	89,872,007	49,228,127	4,745,398	22,481,841	14,973,889	1,627,858	5,880,094	5,118,899	5,604,133	2,693,609
Short form institutions <sup>a</sup>										
2012	143,498	74,639	10,263	37,778	32,515	2,474	2,789	5,207	14,611	1,000
2013	131,528	64,349	9,175	37,529	32,116	2,360	3,053	4,221	14,000	2,254
2014	152,056	70,719	12,584	45,707	40,561	1,720	3,426	5,852	13,826	3,368
2015	144,282	64,187	9,378	45,816	41,178	1,228	3,410	5,695	15,036	4,170
2016	142,766	68,991	9,893	39,967	34,391	2,182	3,394	5,696	14,099	4,120
2017	143,880	71,040	11,413	36,930	32,208	1,890	2,832	4,479	16,088	3,930
2018	150,382	73,579	13,486	41,807	36,360	2,356	3,091	5,235	13,013	3,262
2019	155,370	78,214	9,789	43,144	37,034	1,927	4,183	4,481	13,615	6,127
2020	144,503	81,922	8,851	32,782	27,103	2,258	3,421	4,254	13,234	3,460
2021	148,560	84,667	9,383	33,479	28,242	1,925	3,312	3,419	13,860	3,752
Standard form institutions										
2010	61,286,610	37,477,582	3,887,106	11,942,532	6,198,189	1,083,275	4,661,068	3,201,904	3,729,655	1,047,831
2011	65,274,393	40,768,251	3,851,323	12,580,320	6,816,187	1,153,646	4,610,487	3,182,671	3,853,950	1,037,878
2012	65,729,007	40,142,223	3,733,571	13,587,398	7,691,330	1,286,539	4,609,529	3,273,972	4,022,410	969,433
2013	67,013,138	39,445,931	3,696,422	14,936,380	8,874,662	1,358,220	4,703,498	3,510,529	3,888,646	1,535,230
2014	67,199,090	37,961,118	3,903,023	15,735,376	9,596,124	1,378,714	4,760,538	3,727,836	3,963,927	1,907,810
2015	68,549,882	37,846,802	3,854,707	16,592,074	10,404,080	1,351,287	4,836,707	4,002,837	4,220,484	2,032,978

TABLE 2

**Higher education R&D expenditures, by source of funds and survey form: FYs 2010–21**

(Dollars in thousands)

Survey form and fiscal year	All R&D expenditures	Source of funds								
		Federal government	State and local government	Institution funds				Business	Nonprofit organizations	All other sources
				Total	Institutionally financed research	Cost sharing	Unrecovered indirect costs			
2016	71,767,849	38,788,615	4,043,462	17,904,205	11,412,849	1,457,212	5,034,144	4,213,736	4,617,869	2,199,962
2017	75,147,113	40,248,750	4,175,150	18,849,841	12,099,568	1,560,068	5,190,205	4,434,172	5,140,622	2,298,578
2018	79,023,156	41,861,164	4,312,874	20,179,148	13,159,986	1,517,153	5,502,009	4,719,734	5,442,709	2,507,527
2019	83,487,471	44,461,456	4,510,505	21,072,243	13,974,337	1,564,114	5,533,792	5,059,309	5,688,418	2,695,540
2020	86,300,399	46,114,365	4,587,477	21,989,791	14,619,196	1,633,047	5,737,548	5,182,914	5,741,151	2,684,701
2021	89,723,447	49,143,460	4,736,015	22,448,362	14,945,647	1,625,933	5,876,782	5,115,480	5,590,273	2,689,857

<sup>a</sup> Beginning with FY 2012, institutions reporting less than \$1 million in total R&D expenditures completed a shorter version of the survey questionnaire. Prior to FY 2012, all institutions completed the standard form survey questionnaire.

**Source(s):**

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