

TABLE 2

## Higher education R&amp;D expenditures, by source of funds and survey form: FYs 2010–22

(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	67,109,094	39,510,280	3,705,597	14,938,337	8,906,778	1,325,008	4,706,551	3,514,750	3,902,646	1,537,484
2014	67,313,484	38,031,837	3,915,607	15,743,421	9,636,685	1,342,772	4,763,964	3,733,688	3,977,753	1,911,178
2015	68,664,244	37,910,989	3,864,085	16,607,970	10,445,258	1,322,595	4,840,117	4,008,532	4,235,520	2,037,148
2016	71,879,437	38,856,988	4,053,341	17,911,091	11,446,697	1,426,930	5,037,464	4,219,446	4,634,533	2,204,038
2017	75,292,181	40,319,098	4,186,549	18,886,087	12,131,193	1,561,935	5,192,959	4,438,650	5,159,337	2,302,460
2018	79,174,644	41,933,948	4,326,345	20,220,215	13,195,713	1,519,485	5,505,017	4,724,952	5,458,448	2,510,736
2019	83,643,490	44,538,541	4,520,355	21,114,107	14,010,204	1,566,016	5,537,887	5,063,932	5,704,913	2,701,642
2020	86,440,252	46,182,051	4,603,153	22,022,280	14,645,261	1,635,617	5,741,402	5,187,195	5,757,688	2,687,885
2021	89,833,640	49,190,892	4,750,816	22,476,286	14,970,015	1,627,075	5,879,196	5,119,551	5,607,950	2,688,145
2022	97,842,057	54,052,605	4,917,987	24,536,445	16,649,164	1,708,852	6,178,429	5,706,668	5,990,077	2,638,275
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	137,990	75,512	8,834	32,802	27,081	2,255	3,466	4,250	13,242	3,350
2021	138,803	74,859	9,296	33,655	28,309	1,985	3,361	3,347	13,833	3,813
2022	161,529	81,137	10,788	43,782	36,869	2,320	4,593	5,012	15,922	4,888
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	66,977,566	39,445,931	3,696,422	14,900,808	8,874,662	1,322,648	4,703,498	3,510,529	3,888,646	1,535,230
2014	67,161,428	37,961,118	3,903,023	15,697,714	9,596,124	1,341,052	4,760,538	3,727,836	3,963,927	1,907,810

TABLE 2

**Higher education R&D expenditures, by source of funds and survey form: FYs 2010–22**

(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			
2015	68,519,962	37,846,802	3,854,707	16,562,154	10,404,080	1,321,367	4,836,707	4,002,837	4,220,484	2,032,978
2016	71,736,671	38,787,997	4,043,448	17,871,124	11,412,306	1,424,748	5,034,070	4,213,750	4,620,434	2,199,918
2017	75,148,301	40,248,058	4,175,136	18,849,157	12,098,985	1,560,045	5,190,127	4,434,171	5,143,249	2,298,530
2018	79,024,262	41,860,369	4,312,859	20,178,408	13,159,353	1,517,129	5,501,926	4,719,717	5,445,435	2,507,474
2019	83,488,120	44,460,327	4,510,566	21,070,963	13,973,170	1,564,089	5,533,704	5,059,451	5,691,298	2,695,515
2020	86,302,262	46,106,539	4,594,319	21,989,478	14,618,180	1,633,362	5,737,936	5,182,945	5,744,446	2,684,535
2021	89,694,837	49,116,033	4,741,520	22,442,631	14,941,706	1,625,090	5,875,835	5,116,204	5,594,117	2,684,332
2022	97,680,528	53,971,468	4,907,199	24,492,663	16,612,295	1,706,532	6,173,836	5,701,656	5,974,155	2,633,387

<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.