

TABLE 2

Higher education R&D expenditures, by source of funds and survey form: FYs 2010–20

(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	75,291,024	40,319,837	4,186,498	18,886,486	12,131,501	1,561,950	5,193,035	4,438,630	5,156,687	2,302,886
2018	79,176,651	41,936,716	4,326,317	20,220,856	13,195,811	1,519,559	5,505,486	4,726,316	5,455,356	2,511,090
2019	83,689,270	44,560,460	4,520,368	21,136,783	14,032,073	1,566,094	5,538,616	5,066,513	5,702,936	2,702,210
2020	86,435,054	46,220,254	4,605,307	21,979,735	14,597,258	1,635,950	5,746,527	5,189,184	5,758,485	2,682,089
Short form institutions ^a										
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	155,122	77,934	9,720	43,217	37,102	1,928	4,187	4,481	13,629	6,141
2020	138,876	76,425	8,674	32,945	27,247	2,267	3,431	4,259	13,247	3,326
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
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	75,147,144	40,248,797	4,175,085	18,849,556	12,099,293	1,560,060	5,190,203	4,434,151	5,140,599	2,298,956
2018	79,026,269	41,863,137	4,312,831	20,179,049	13,159,451	1,517,203	5,502,395	4,721,081	5,442,343	2,507,828
2019	83,534,148	44,482,526	4,510,648	21,093,566	13,994,971	1,564,166	5,534,429	5,062,032	5,689,307	2,696,069
2020	86,296,178	46,143,829	4,596,633	21,946,790	14,570,011	1,633,683	5,743,096	5,184,925	5,745,238	2,678,763

^a 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.