

TABLE 8

Higher education R&D expenditures, by source of funds and type of R&D: FYs 2010–19

(Dollars in thousands)

Fiscal year	Total				Federal				Nonfederal			
	All R&D expenditures	Basic research	Applied research	Experimental development	All R&D expenditures	Basic research	Applied research	Experimental development	All R&D expenditures	Basic research	Applied research	Experimental development
2010	61,286,610	40,833,182	15,277,905	5,175,523	37,477,582	25,583,533	9,268,611	2,625,438	23,809,028	15,249,649	6,009,294	2,550,085
2011	65,274,393	43,280,304	16,506,290	5,487,799	40,768,251	27,534,372	10,395,286	2,838,593	24,506,142	15,745,932	6,111,004	2,649,206
2012	65,729,007	42,897,421	17,038,612	5,792,974	40,142,223	26,673,531	10,465,710	3,002,982	25,586,784	16,223,890	6,572,902	2,789,992
2013	67,013,138	43,789,190	17,148,776	6,075,172	39,445,931	26,258,644	10,229,149	2,958,138	27,567,207	17,530,546	6,919,627	3,117,034
2014	67,199,090	43,437,547	17,526,608	6,234,935	37,961,118	25,082,603	9,928,578	2,949,937	29,237,972	18,354,944	7,598,030	3,284,998
2015	68,549,882	44,192,656	17,765,667	6,591,559	37,846,802	25,106,489	9,852,482	2,887,831	30,703,080	19,086,167	7,913,185	3,703,728
2016	71,736,098	45,453,223	19,656,900	6,625,975	38,771,218	25,121,663	10,756,243	2,893,312	32,964,880	20,331,560	8,900,657	3,732,663
2017	75,133,630	46,854,929	21,122,947	7,155,754	40,223,757	25,803,477	11,416,109	3,004,171	34,909,873	21,051,452	9,706,838	4,151,583
2018	79,014,076	49,597,334	22,006,994	7,409,748	41,836,102	26,878,500	11,859,350	3,098,252	37,177,974	22,718,834	10,147,644	4,311,496
2019	83,496,348	52,262,017	23,509,649	7,724,682	44,455,265	28,499,842	12,655,790	3,299,633	39,041,083	23,762,175	10,853,859	4,425,049

Source(s):

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