

TABLE 8

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

(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	40,879,634	15,236,695	5,170,281	37,477,582	25,617,372	9,237,600	2,622,610	23,809,028	15,262,262	5,999,095	2,547,671
2011	65,274,393	43,331,577	16,461,995	5,480,821	40,768,251	27,573,247	10,361,378	2,833,626	24,506,142	15,758,330	6,100,617	2,647,195
2012	65,729,007	42,939,338	17,001,462	5,788,207	40,142,223	26,704,465	10,437,765	2,999,993	25,586,784	16,234,873	6,563,697	2,788,214
2013	67,013,138	43,830,773	17,112,016	6,070,349	39,445,931	26,289,022	10,201,310	2,955,599	27,567,207	17,541,751	6,910,706	3,114,750
2014	67,199,090	43,476,722	17,492,904	6,229,464	37,961,118	25,109,901	9,903,874	2,947,343	29,237,972	18,366,821	7,589,030	3,282,121
2015	68,549,882	44,230,337	17,731,433	6,588,112	37,846,802	25,133,372	9,826,850	2,886,580	30,703,080	19,096,965	7,904,583	3,701,532
2016	71,767,849	45,509,703	19,636,032	6,622,114	38,788,615	25,162,233	10,734,361	2,892,021	32,979,234	20,347,470	8,901,671	3,730,093
2017	75,147,144	46,911,936	21,091,214	7,143,994	40,248,797	25,848,424	11,397,515	3,002,858	34,898,347	21,063,512	9,693,699	4,141,136
2018	79,026,269	49,617,836	22,007,522	7,400,911	41,863,137	26,900,830	11,863,786	3,098,521	37,163,132	22,717,006	10,143,736	4,302,390
2019	83,534,148	52,503,832	23,350,391	7,679,925	44,482,526	28,645,680	12,556,103	3,280,743	39,051,622	23,858,152	10,794,288	4,399,182
2020	86,296,178	54,132,952	24,118,269	8,044,957	46,143,829	29,311,388	13,074,455	3,757,986	40,152,349	24,821,564	11,043,814	4,286,971

Source(s):

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