

TABLE 9

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

(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	43,477,712	17,492,304	6,229,074	37,961,118	25,110,505	9,903,492	2,947,121	29,237,972	18,367,207	7,588,812	3,281,953
2015	68,549,882	44,231,040	17,731,030	6,587,812	37,846,802	25,133,806	9,826,596	2,886,400	30,703,080	19,097,234	7,904,434	3,701,412
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	75,147,113	46,912,690	21,090,656	7,143,767	40,248,750	25,848,966	11,397,092	3,002,692	34,898,363	21,063,724	9,693,564	4,141,075
2018	79,023,156	49,617,375	22,005,083	7,400,698	41,861,164	26,902,132	11,860,924	3,098,108	37,161,992	22,715,243	10,144,159	4,302,590
2019	83,487,471	52,484,290	23,294,601	7,708,580	44,461,456	28,645,621	12,527,294	3,288,541	39,026,015	23,838,669	10,767,307	4,420,039
2020	86,300,399	54,128,971	24,121,789	8,049,639	46,114,365	29,292,617	13,062,935	3,758,813	40,186,034	24,836,354	11,058,854	4,290,826
2021	89,723,447	55,947,468	25,071,537	8,704,442	49,143,460	31,128,457	13,917,379	4,097,624	40,579,987	24,819,011	11,154,158	4,606,818

Source(s):

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