Table 8. Higher education R&D expenditures at institutions in the standard form survey population, by source of funds and type of R&D: FYs 2010–25

(Dollars in thousands)

	Total				Federal				Nonfederal			
Fiscal year	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	40,893,751	15,132,598	5,260,261	37,477,582	25,668,214	9,122,054	2,687,314	23,809,028	15,225,537	6,010,544	2,572,947
2011	65,274,393	43,423,354	16,317,198	5,533,841	40,768,251	27,678,913	10,212,275	2,877,063	24,506,142	15,744,441	6,104,923	2,656,778
2012	65,730,064	43,109,785	16,784,299	5,835,980	40,141,676	26,871,208	10,236,397	3,034,071	25,588,388	16,238,577	6,547,902	2,801,909
2013	66,978,647	43,942,168	16,917,358	6,119,121	39,445,414	26,416,509	10,029,449	2,999,456	27,533,233	17,525,659	6,887,909	3,119,665
2014	67,161,428	43,540,359	17,340,799	6,280,270	37,961,118	25,208,521	9,760,015	2,992,582	29,200,310	18,331,838	7,580,784	3,287,688
2015	68,520,986	44,330,693	17,578,201	6,612,092	37,846,365	25,235,865	9,684,633	2,925,867	30,674,621	19,094,828	7,893,568	3,686,225
2016	71,737,194	45,653,202	19,424,989	6,659,003	38,787,982	25,306,858	10,559,406	2,921,718	32,949,212	20,346,344	8,865,583	3,737,285
2017	75,150,488	47,155,578	20,836,018	7,158,892	40,247,588	26,028,157	11,199,740	3,019,691	34,902,900	21,127,421	9,636,278	4,139,201
2018	79,027,030	49,804,177	21,787,466	7,435,387	41,859,934	27,056,162	11,676,264	3,127,508	37,167,096	22,748,015	10,111,202	4,307,879
2019	83,490,430	52,634,881	23,093,676	7,761,873	44,460,361	28,787,173	12,345,500	3,327,688	39,030,069	23,847,708	10,748,176	4,434,185
2020	86,308,537	54,286,778	23,909,636	8,112,123	46,108,772	29,448,684	12,857,521	3,802,567	40,199,765	24,838,094	11,052,115	4,309,556
2021	89,706,305	56,153,316	24,819,382	8,733,607	49,121,155	31,298,940	13,693,212	4,129,003	40,585,150	24,854,376	11,126,170	4,604,604
2022	97,684,505	61,369,468	27,039,167	9,275,870	53,974,981	34,465,197	15,071,930	4,437,854	43,709,524	26,904,271	11,967,237	4,838,016
2023	108,703,229	67,787,781	30,241,130	10,674,318	59,609,802	37,662,270	16,818,627	5,128,905	49,093,427	30,125,511	13,422,503	5,545,413
2024	117,501,503	73,063,714	32,683,063	11,754,726	64,621,682	40,663,694	18,378,603	5,579,385	52,879,821	32,400,020	14,304,460	6,175,341
2025	124,273,460	76,513,777	35,660,985	12,098,698	67,362,332	41,401,208	20,666,374	5,294,750	56,911,128	35,112,569	14,994,611	6,803,948

Source(s):
National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.