

TABLE 9

Higher education R&D expenditures, by source of funds and type of R&D: FYs 2010–23

(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	40,949,184	15,107,127	5,230,299	37,477,582	25,677,713	9,133,503	2,666,366	23,809,028	15,271,471	5,973,624	2,563,933
2011	65,274,393	43,455,207	16,298,883	5,520,303	40,768,251	27,675,430	10,227,797	2,865,024	24,506,142	15,779,777	6,071,086	2,655,279
2012	65,729,007	43,119,743	16,787,565	5,821,699	40,142,223	26,850,432	10,268,318	3,023,473	25,586,784	16,269,311	6,519,247	2,798,226
2013	66,977,566	43,976,241	16,905,628	6,095,697	39,445,931	26,409,024	10,052,792	2,984,115	27,531,635	17,567,217	6,852,836	3,111,582
2014	67,161,428	43,594,083	17,313,106	6,254,239	37,961,118	25,210,261	9,775,786	2,975,071	29,200,310	18,383,822	7,537,320	3,279,168
2015	68,519,962	44,385,516	17,538,719	6,595,727	37,846,802	25,241,977	9,694,550	2,910,275	30,673,160	19,143,539	7,844,169	3,685,452
2016	71,737,194	45,696,853	19,412,137	6,628,204	38,787,982	25,301,803	10,582,217	2,903,962	32,949,212	20,395,050	8,829,920	3,724,242
2017	75,149,390	47,204,066	20,816,754	7,128,570	40,248,055	26,022,388	11,223,064	3,002,603	34,901,335	21,181,678	9,593,690	4,125,967
2018	79,025,976	49,888,637	21,737,440	7,399,899	41,860,383	27,068,411	11,685,645	3,106,327	37,165,593	22,820,226	10,051,795	4,293,572
2019	83,490,430	52,722,175	23,049,547	7,718,708	44,460,361	28,796,350	12,358,201	3,305,810	39,030,069	23,925,825	10,691,346	4,412,898
2020	86,306,106	54,376,334	23,863,994	8,065,778	46,106,870	29,458,997	12,871,293	3,776,580	40,199,236	24,917,337	10,992,701	4,289,198
2021	89,700,890	56,228,532	24,780,115	8,692,243	49,117,850	31,303,103	13,711,015	4,103,732	40,583,040	24,925,429	11,069,100	4,588,511
2022	97,669,577	61,735,510	26,683,325	9,250,742	53,974,897	34,685,946	14,872,219	4,416,732	43,694,680	27,049,564	11,811,106	4,834,010
2023	108,681,008	68,468,210	29,595,527	10,617,271	59,603,993	38,129,644	16,372,525	5,101,824	49,077,015	30,338,566	13,223,002	5,515,447

Source(s):

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