



TABLE 5-2

Higher education R&D expenditures, by source, character of work, and institution type: FYs 2012-16

(Thousands of dollars)

Fiscal year	Institution type	All sources				Federal sources			
		Total	Basic research	Applied research	Experimental development	Total	Basic research	Applied research	Experimental development
2012	All institutions	65,729,007	42,401,697	17,295,653	6,031,657	40,142,223	26,469,347	10,577,754	3,095,122
	Public	44,162,595	28,763,003	11,666,386	3,733,206	25,109,740	16,571,834	6,654,107	1,883,799
	Private	21,566,412	13,638,694	5,629,267	2,298,451	15,032,483	9,897,513	3,923,647	1,211,323
2013	All institutions	67,013,138	43,305,409	17,390,865	6,316,864	39,445,931	26,071,617	10,327,219	3,047,095
	Public	44,849,697	28,878,632	11,910,906	4,060,159	24,688,555	16,200,772	6,615,036	1,872,747
	Private	22,163,441	14,426,777	5,479,959	2,256,705	14,757,376	9,870,845	3,712,183	1,174,348
2014	All institutions	67,196,537	42,989,478	17,745,860	6,461,199	37,960,175	24,905,121	10,015,778	3,039,276
	Public	44,675,392	28,553,622	11,848,740	4,273,030	23,496,472	15,330,179	6,199,866	1,966,427
	Private	22,521,145	14,435,856	5,897,120	2,188,169	14,463,703	9,574,942	3,815,912	1,072,849
2015	All institutions	68,566,890	43,865,982	18,022,569	6,678,339	37,848,552	24,945,232	9,969,994	2,933,326
	Public	45,428,567	28,984,600	12,036,229	4,407,738	23,389,238	15,368,215	6,183,940	1,837,083
	Private	23,138,323	14,881,382	5,986,340	2,270,601	14,459,314	9,577,017	3,786,054	1,096,243
2016	All institutions	71,833,308	45,101,655	19,986,766	6,744,887	38,793,542	24,944,577	10,893,286	2,955,679
	Public	47,147,814	29,778,373	12,961,231	4,408,210	23,947,624	15,394,204	6,709,633	1,843,787
	Private	24,685,494	15,323,282	7,025,535	2,336,677	14,845,918	9,550,373	4,183,653	1,111,892



Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, Higher Education Research and Development Survey (HERD).

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