

**TABLE 15**  
**Higher education R&D expenditures from foreign sources, by highest degree granted and institutional control: FYs 2010–21 and by source of foreign funds for FYs 2016–21**

(Dollars in thousands)

Source of foreign funds, highest degree granted, and institutional control	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>All institutions</b>												
All foreign funds	642,858	719,255	797,787	979,476	1,003,537	1,065,671	1,184,389	1,220,391	1,253,935	1,272,685	1,307,468	1,343,381
Foreign government	na	na	na	na	na	na	164,518	172,565	249,419	272,448	296,393	285,738
Business	na	na	na	na	na	na	491,514	515,587	548,199	577,451	627,920	659,378
Nonprofit organizations	na	na	na	na	na	na	304,188	319,905	274,878	276,257	252,412	268,334
Higher education institutions	na	na	na	na	na	na	115,190	112,474	115,944	109,782	107,389	104,444
All other sources	na	na	na	na	na	na	108,979	99,860	65,495	36,747	23,354	25,487
<b>Doctorate</b>												
All foreign funds	640,490	715,437	795,057	975,436	999,123	1,060,276	1,170,716	1,215,835	1,247,426	1,268,123	1,302,470	1,339,550
Foreign government	na	na	na	na	na	na	162,717	172,175	248,868	272,018	296,169	285,615
Business	na	na	na	na	na	na	482,010	513,127	544,876	575,756	625,397	657,073
Nonprofit organizations	na	na	na	na	na	na	303,535	319,351	274,216	275,353	251,384	267,716
Higher education institutions	na	na	na	na	na	na	114,705	112,133	115,087	108,816	106,674	104,236
All other sources	na	na	na	na	na	na	107,749	99,049	64,379	36,180	22,846	24,910
<b>Nondoctorate</b>												
All foreign funds	2,368	3,818	2,730	4,040	4,414	5,395	13,673	4,556	6,509	4,562	4,998	3,831
Foreign government	na	na	na	na	na	na	1,801	390	551	430	224	123
Business	na	na	na	na	na	na	9,504	2,460	3,323	1,695	2,523	2,305
Nonprofit organizations	na	na	na	na	na	na	653	554	662	904	1,028	618
Higher education institutions	na	na	na	na	na	na	485	341	857	966	715	208
All other sources	na	na	na	na	na	na	1,230	811	1,116	567	508	577
<b>Public</b>												
All foreign funds	381,519	418,115	437,190	493,577	518,759	528,668	546,467	565,881	594,110	597,565	625,204	649,538
Foreign government	na	na	na	na	na	na	57,207	51,539	117,039	89,621	78,175	65,114
Business	na	na	na	na	na	na	264,560	262,763	277,456	308,036	355,513	380,151
Nonprofit organizations	na	na	na	na	na	na	154,315	175,527	120,643	121,564	113,818	126,564
Higher education institutions	na	na	na	na	na	na	51,102	56,748	60,384	61,112	64,323	65,222
All other sources	na	na	na	na	na	na	19,283	19,304	18,588	17,232	13,375	12,487
<b>Private</b>												
All foreign funds	261,339	301,140	360,597	485,899	484,778	537,003	637,922	654,510	659,825	675,120	682,264	693,843
Foreign government	na	na	na	na	na	na	107,311	121,026	132,380	182,827	218,218	220,624
Business	na	na	na	na	na	na	226,954	252,824	270,743	269,415	272,407	279,227
Nonprofit organizations	na	na	na	na	na	na	149,873	144,378	154,235	154,693	138,594	141,770
Higher education institutions	na	na	na	na	na	na	64,088	55,726	55,560	48,670	43,066	39,222
All other sources	na	na	na	na	na	na	89,696	80,556	46,907	19,515	9,979	13,000

na = not applicable; separate data for source of foreign funds were not collected for these years.

**Note(s):**

Prior to FY 2016, only total R&D expenditures from foreign sources was collected. Beginning in FY 2016, institutions were asked for the source of foreign funding.

**Source(s):**

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