

TABLE 2

Total amount spent on R&D by nonprofits that performed or funded R&D and coefficient of variation of FY 2016 NPRA Survey, by source, R&D type, and field

(Dollars, number, and value)

Variable	Performed R&D (n = 912)			Funded R&D (n = 823)		
	Total R&D expenditures (thousands of dollars)	Coefficient of variation ^a	Meets standard (30%)	Total R&D expenditures (thousands of dollars)	Coefficient of variation ^a	Meets standard (30%)
Total	22,572,535	10	Y	10,528,134	11	Y
Grant				8,134,119	14	Y
Subcontract				2,394,015	12	Y
Organization type funded						
Universities				7,596,196	13	Y
Other nonprofits				1,829,889	13	Y
Businesses				869,874	13	Y
Other				232,176	18	Y
Source						
Federal government	8,256,784	12	Y	1,921,505	12	Y
Businesses	1,992,503	12	Y	651,919	16	Y
Nonprofits	3,540,258	29	Y	952,692	12	Y
Foundations	2,957,181	34	N	806,515	13	Y
All other nonprofits	583,077	19	Y	146,177	20	Y
Internal funds	6,706,461	11	Y	5,050,277	20	Y
Individual donors	779,928	12	Y	1,450,523	19	Y
All other	1,296,601	11	Y	501,218	18	Y
State and local government	475,380	11	Y	238,467	31	N
Universities	330,963	29	Y	58,192	32	N
Other	490,258	14	Y	204,559	22	Y
R&D type						
Basic research	7,548,392	12	Y	5,142,431	18	Y
Federal	2,400,950	14	Y	429,564	13	Y
Nonfederal	5,147,442	13	Y	4,712,867	20	Y
Applied research	10,939,764	13	Y	3,800,364	9	Y
Federal	4,541,427	13	Y	985,592	13	Y
Nonfederal	6,398,337	17	Y	2,814,772	11	Y
Experimental development	4,084,379	11	Y	1,585,339	18	Y
Federal	1,314,407	12	Y	506,348	17	Y
Nonfederal	2,769,972	12	Y	1,078,990	24	Y
Field						
Agriculture, natural resources, conservation	981,586	16	Y	379,743	21	Y
Biological, biomedical, health	15,290,337	11	Y	6,435,535	11	Y
Engineering	1,101,236	26	Y	497,150	16	Y
Geosciences, atmospheric sciences, ocean sciences	429,001	20	Y	959,508	40	N
Math, statistics, computer, information sciences	590,775	50	N	599,127	47	N
Physical sciences	368,664	39	N	387,297	16	Y

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Psychology and social sciences	2,843,690	33	N	679,540	17	Y
Humanities	144,100	42	N	213,706	17	Y
Other	823,145	15	Y	376,527	16	Y
Full-time equivalent						
Total	87	12	Y			
Researchers	32	13	Y			
Technicians and support	52	14	Y			
Organization type						
Health and medical (<i>n</i> = 402)	14,557,442	12	Y	4,564,632	14	Y
International, foreign affairs, and national security (<i>n</i> = 27)	378,943	23	Y	254,382	29	Y
Science and technology (<i>n</i> = 84)	1,880,278	25	Y	710,899	17	Y
Other nonprofit organizations (<i>n</i> = 399)	5,755,872	22	Y	4,998,221	20	Y

NPRA Survey = Survey of Nonprofit Research Activities.

^a Does not include imputation variance.**Note(s):**

Details for full-time equivalent do not add to total because of missing data.

Source(s):

National Center for Science and Engineering Statistics, Survey of Nonprofit Research Activities, FY 2016.