

TABLE 4-3

U.S. R&D expenditures, by performing sector, source of funds, and type of work: 2015

(Millions of dollars)

Performing sector and type of work	Total	Business	Federal government	Nonfederal government	Higher education	Other nonprofit organizations	Distribution by performer (%)
R&D	495,144	333,207	120,933	4,280	17,334	19,390	100.0
Business	355,821	327,589	26,990	127	*	1115	71.9
Federal government	54,322	205	53,960	19	*	138	11.0
Federal intramural	35,673	0	35,673	0	0	0	7.2
FFRDCs	18,649	205	18,287	19	*	138	3.8
Nonfederal government	610	*	249	361	*	*	0.1
Higher education	64,653	3,842	33,546	3,772	17,334	6,159	13.1
Other nonprofit organizations	19,738	1,572	6,189	*	*	11,978	4.0
Percent distribution by funding source	100.0	67.3	24.4	0.9	3.5	3.9	-
Basic research	83,462	22,717	36,946	2,354	10,880	10,565	100.0
Business	21,792	19,621	2,038	14	*	120	26.1
Federal government	10,053	47	9,969	4	*	32	12.0
Federal intramural	5,926	0	5,926	0	0	0	7.1
FFRDCs	4,127	47	4,043	4	*	32	4.9
Nonfederal government	100.5	*	41.0	59.5	*	*	0.1
Higher education	40,983	2,176	21,888	2,277	10,880	3,763	49.1
Other nonprofit organizations	10,534	873	3,010	*	*	6,651	12.6
Percent distribution by funding source	100.0	27.2	44.3	2.8	13.0	12.7	-



Performing sector and type of work	Total	Business	Federal government	Nonfederal government	Higher education	Other nonprofit organizations	Distribution by performer (%)
Applied research	97,150	51,738	34,511	1,419	4,567	4,917	100.0
Business	56,472	50,137	6,102	24	*	209	58.1
Federal government	16,551	96	16,382	9	*	64	17.0
Federal intramural	9,200	0	9,200	0	0	0	9.5
FFRDCs	7,351	96	7,182	9	*	64	7.6
Nonfederal government	496.0	*	202.2	293.8	*	*	0.5
Higher education	17,466	1,107	9,094	1,092	4,567	1,608	18.0
Other nonprofit organizations	6,165	398	2,731	*	*	3,036	6.3
Percent distribution by funding source	100.0	53.3	35.5	1.5	4.7	5.1	-
Experimental development	314,532	258,753	49,476	507	1,888	3,908	100.0
Business	277,557	257,831	18,850	90	*	786	88.2
Federal government	27,718	62	27,609	6	*	42	8.8
Federal intramural	20,547	0	20,547	0	0	0	6.5
FFRDCs	7,171	62	7,062	6	*	42	2.3
Nonfederal government	13.6	*	5.5	8.0	*	*	0.0
Higher education	6,204	560	2,565	404	1,888	789	2.0
Other nonprofit organizations	3,040	301	447	*	*	2,292	1.0



Performing sector and type of work	Total	Business	Federal government	Nonfederal government	Higher education	Other nonprofit organizations	Distribution by performer (%)
Percent distribution by funding source	100.0	82.3	15.7	0.2	0.6	1.2	-

* = small to negligible amount, included as part of the funding provided by other sectors; NA = not available.

FFRDC = federally funded research and development center.

Note(s)

Data for 2015 include some estimates and may later be revised. Some components of R&D performance and funding by other nonprofit organizations are projected and may later be revised.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, National Patterns of R&D Resources (annual series).

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