

**Table 3****U.S. R&D expenditures, by performing sector, source of funds, and type of R&D: 2020**

(Millions of dollars and percent distribution)

Performing sector and type of R&D	Source of funds (\$ millions)						Percent distribution by performer
	Total	Business	Federal government	Nonfederal government	Higher education	Nonprofit organizations	
R&D	716,955	520,363	147,657	5,670	23,191	20,074	100.0
Business	543,220	512,224	29,772	241	**	982	75.8
Federal government	64,237	179	63,848	44	**	166	9.0
Federal intramural	40,371	0	40,371	0	0	0	5.6
FFRDCs	23,866	179	23,478	44	**	166	3.3
Nonfederal government	683	20	298	348	3	13	0.1
Higher education	80,842	4,837	41,462	4,464	22,252	7,828	11.3
Nonprofit organizations	27,973	3,103	12,278	572	935	11,085	3.9
Percent distribution by funding source	100.0	72.6	20.6	0.8	3.2	2.8	-
Basic research	111,883	38,239	46,205	2,963	14,450	10,026	100.0
Business	36,371	34,053	2,191	24	**	103	32.5
Federal government	12,099	35	12,024	9	**	32	10.8
Federal intramural	7,310	0	7,310	0	0	0	6.5
FFRDCs	4,789	35	4,714	9	**	32	4.3
Nonfederal government	125	4	54	64	1	2	0.1
Higher education	50,618	2,741	26,379	2,608	14,026	4,865	45.2
Nonprofit organizations	12,670	1,406	5,557	259	424	5,024	11.3
Percent distribution by funding source	100.0	34.2	41.3	2.6	12.9	9.0	-
Applied research	133,326	74,646	43,855	1,924	6,312	6,590	100.0
Business	78,371	71,934	6,140	62	**	234	58.8
Federal government	21,057	82	20,878	20	**	76	15.8
Federal intramural	11,494	0	11,494	0	0	0	8.6
FFRDCs	9,562	82	9,384	20	**	76	7.2
Nonfederal government	514	15	224	262	2	10	0.4
Higher education	22,539	1,441	11,704	1,363	5,956	2,077	16.9
Nonprofit organizations	10,845	1,174	4,908	216	354	4,193	8.1
Percent distribution by funding source	100.0	56.0	32.9	1.4	4.7	4.9	-
Experimental development	471,747	407,479	57,597	783	2,429	3,458	100.0
Business	428,479	406,238	21,440	155	**	645	90.8
Federal government	31,081	62	30,946	15	**	58	6.6
Federal intramural	21,567	0	21,567	0	0	0	4.6
FFRDCs	9,514	62	9,379	15	**	58	2.0
Nonfederal government	44	1	19	22	*	1	0.0
Higher education	7,686	656	3,380	494	2,271	886	1.6
Nonprofit organizations	4,458	523	1,812	96	158	1,869	0.9
Percent distribution by funding source	100.0	86.4	12.2	0.2	0.5	0.7	-

\* = amount &lt; \$0.5 million; \*\* = small to negligible amount, included as part of the funding provided by nonprofit organizations.

FFRDC = federally funded research and development center.

**Note(s):**

Some data for 2020 are preliminary and may be revised later. Some components of R&amp;D performance and funding by other nonprofit organizations are projected and may later be revised.

**Source(s):**

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