

Table 1**Business R&D performed in the United States, by application area and selected industry: 2018**

(Millions of U.S. dollars)

Selected industry and NAICS code	Total	Agriculture	Defense	Energy	Environmental protection	Health or medical
All industries, 21–33, 42–81	441,036	7,890	34,809	25,224	9,757	114,497
Manufacturing industries, 31–33	274,075	6,799	27,923	20,372	7,862	92,842
Food, 311	4,654	1,812	0	52	112	360
Chemicals, 325	84,137	2,979	249	589	513	71,867
Pharmaceuticals and medicines, 3254	74,592	991	194	49	72	71,449
Other 325	9,545	1,988	55	540	441	418
Machinery, 333	14,799	1,327	336	2,861	1,229	238
Computer and electronic products, 334	83,697	319	8,369	8,424	1,282	6,632
Transportation equipment, 336	52,629	91	18,435	5,551	3,761	604
Miscellaneous, 339	17,209	16	86	224	73	11,986
Manufacturing nec, other 31–33	16,950	255	448	2,671	892	1,155
Nonmanufacturing industries, 21–23, 42–81	166,961	1,091	6,887	4,852	1,895	21,655
Information, 51	94,349	665	859	1,128	131	2,034
Publishing, 511	32,770	607	763	570	98	1,258
Other 51	61,579	58	96	558	33	776
Professional, scientific, and technical services, 54	44,860	349	6,010	1,697	1,517	17,737
Scientific R&D services, 5417	20,185	184	3,143	649	146	15,250
Other 54	24,675	165	2,867	1,048	1,371	2,487
Nonmanufacturing nec, other 21–23, 42–81	27,752	77	18	2,027	247	1,884

i = more than 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = North American Industry Classification System; nec = not elsewhere classified.

Note(s):

Industry detail may not add to total because of rounding. Statistics are representative of companies located in the United States that performed or funded \$50,000 or more of R&D. Industry classification was based on dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the classification used for sampling was assigned. Application areas are not mutually exclusive as companies could report R&D in one, more than one, or no application area. Additional industry-level data can be found in the full set of Business Research and Development Survey data tables.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Research and Development Survey, 2018.