

Table 6**Domestic employment, R&D employment, and R&D sales intensity for companies that performed or funded business R&D in the United States, by selected industry and company size: 2022**

(Thousands of employees and percent)

Industry and company size	NAICS code	Domestic employment (thousands)				R&D sales intensity (%)
		Total (headcount)	R&D employment (headcount)	R&D employment (full-time equivalent)	R&D employment intensity (%)	
All industries	31–33, 42, 51, 5413, 5415, 5417	24,150	2,146	1,970	8.9	4.9
Manufacturing industries	31–33	10,259	1,012	928	9.9	5.1
Chemicals	325	1,447	218	207	15.0	8.4
Pharmaceuticals and medicines	3254	665	172	164	25.9	16.9
Computer and electronic products	334	1,036	246	238	23.8	14.3
Semiconductor and other electronic components	3344	312	93	90	30.0	23.5
Navigational, measuring, electromedical, and control instruments	3345	321	54	50	16.8	10.6
Transportation equipment	336	1,856	195	175	10.5	5.2
Aerospace products and parts	3364	766	71	58	9.3	9.9
Nonmanufacturing industries	42, 51, 5413, 5415, 5417	13,890	1,134	1,042	8.2	4.7
Information	51	2,403	494	478	20.6	9.9
Software publishers	5112	482	148	141	30.7	13.8
Professional, scientific, and technical services	54	1,684	402	356	23.9	13.8
Computer systems design and related services	5415	545	123	111	22.6	12.5
Scientific research and development services	5417	419	159	152	38.0	30.2
Research and development in nanotechnology	541713	4	2	2	44.9	38.9
Research and development in biotechnology (except nanobiotechnology)	541714	126	38	37	30.3	39.8
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	274	109	103	39.6	27.4
Microbusinesses						
1–9	–	58	36	29	62.5	42.4
Small companies						
10–19	–	86	34	30	39.5	12.7
20–49	–	267	89	76	33.3	13.0
Medium companies						
50–99	–	366	87	74	23.8	8.5
100–249	–	808	143	119	17.7	7.2
Large companies						
250–499	–	768	123	109	16.0	8.1
500–999	–	993	131	115	13.2	5.5
1,000–4,999	–	3,159	348	318	11.0	5.1
5,000–9,999	–	1,909	181	171	9.5	3.7
10,000–24,999	–	3,373	338	318	10.0	4.2
25,000 or more	–	12,363	636	613	5.1	4.7

NAICS = North American Industry Classification System.

Note(s):

Detail may not add to total because of rounding. Industry classification is based on the 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. Statistics are representative of companies located in the United States that performed or funded R&D. Only selected (NAICS 42, 51, 5413, 5415, 5417) nonmanufacturing sectors are sampled for the 1–9 employee population in the Annual Business Survey. Based on prior survey results, businesses with 1–9 employees in other nonmanufacturing subsectors are not believed to perform substantial amounts of R&D.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2022; National Center for Science and Engineering Statistics and Census Bureau, 2023 Annual Business Survey: Data Year 2022.