

TABLE 19

Companies with domestic R&D paid for by the company and others and performed by the company in the biotechnology focus area, by industry and company size: 2015

(Millions of U.S. dollars)

Industry and company size	NAICS code	Domestic R&D		Biotechnology R&D					
				Total		Paid for by company		Paid for by others	
		Companies (number) ^a	Amount	Companies (number) ^b	Amount	Companies (number) ^b	Amount	Companies (number) ^b	Amount
All industries	21-23, 31-33, 42-81	54,759	355,821	3,418	i 39,795	2,863	i 32,798	1,035	i 6,997
Manufacturing industries	31-33	27,891	236,132	1,934	i 35,792	1,698	i 30,170	451	i 5,622
Food	311	1,378	4,838	197	i 343	152	i 315	59	i 27
Chemicals	325	2,843	68,196	862	i 31,097	751	i 26,065	257	5,032
Basic chemicals	3251	312	3,042	D	D	82	i 275	D	D
Pharmaceuticals and medicines	3254	830	58,675	558	29,577	455	24,928	233	4,649
Other chemicals	other 325	1,701	6,480	D	D	214	i 862	D	D
Plastics and rubber products	326	1,657	2,541	111	i 44	111	i 44	0	0
Nonmetallic mineral products	327	498	1,259	D	3	D	3	0	0
Fabricated metal products	332	4,669	2,261	i 4	2	4	2	D	*
Machinery	333	4,353	13,426	24	37	24	28	D	9
Agricultural implements	33311	265	1,531	0	0	0	0	0	0
Semiconductor machinery	333242	65	3,214	12	i 24	12	i 24	0	0
Engines, turbines, and power transmission equipment	3336	379	2,535	0	0	0	0	0	0
Other machinery	other 333	3,646	6,146	12	13	12	4	D	9
Computer and electronic products	334	3,352	72,110	412	i 3,251	385	i 2,787	47	i 464
Semiconductors and other electronic components	3344	1,032	30,451	156	i 1,262	154	i 1,235	3	27
Other electronic products	other 334	2,320	41,658	256	i 1,989	231	i 1,552	44	i 437
Electrical equipment, appliances, and components	335	1,036	4,335	14	i 15	5	10	10	i 5
Transportation equipment	336	1,896	49,274	9	111	9	98	D	13
Automobiles, bodies, trailers, and parts	3361-63	1,108	19,078	D	5	D	5	0	0
Other transportation	other 336	787	30,196	D	106	D	93	D	13
Miscellaneous manufacturing	339	2,558	13,690	248	i 788	205	i 721	72	i 67
Other manufacturing	312-16, 321-24, 331, 337	3,660	4,201	D	100	D	95	3	5
Nonmanufacturing industries	21-23, 42-81	26,870	119,690	1,484	i 4,004	1,165	i 2,628	584	i 1,375
Mining, extraction, and support activities	21	324	4,012	D	D	13	i 30	D	D
Utilities	22	73	480	0	0	0	0	0	0
Wholesale trade	42	6,115	1,768	i D	1	D	1	0	0
Information	51	3,369	65,513	94	i 564	75	i 538	31	i 27
Publishing	511	1,397	33,346	88	i 502	69	i 478	28	i 23
Telecommunications	517	467	3,607	0	0	0	0	0	0
Data processing, hosting, and related services	518	1,168	9,416	6	63	5	59	3	4
Other information	other 51	337	19,144	0	0	0	0	0	0
Professional, scientific, and technical services	54	14,711	38,626	1,144	i 3,108	850	i 1,779	542	i 1,329
Architectural, engineering, and related services	5413	3,181	4,128	i 24	23	23	22	D	1

TABLE 19

Companies with domestic R&D paid for by the company and others and performed by the company in the biotechnology focus area, by industry and company size: 2015

(Millions of U.S. dollars)

Industry and company size	NAICS code	Domestic R&D		Biotechnology R&D					
				Total		Paid for by company		Paid for by others	
		Companies (number) ^a	Amount	Companies (number) ^b	Amount	Companies (number) ^b	Amount	Companies (number) ^b	Amount
Scientific research and development services	5417	2,599	16,329	944	2,886	737	1,701	441	1,185
Biotechnology research and development	541711	715	5,693	686	2,477	525	1,434	358	1,043
Other scientific research and development	other 5417	1,884	10,636	258	410	212	267	84	142
Other professional, scientific, and technical services	other 54	8,931	18,168	176	198	90	55	D	143
Health care services	621-23	754	758	215	270	213	264	4	6
Other nonmanufacturing	23, 44-45, 48-49, 52-53, 55-56, 624, 71-72, 81	1,526	8,533	D	D	D	18	D	D
All companies (number of domestic employees)	-	54,759	355,821	3,418	39,795	2,863	32,798	1,035	6,997
Micro companies ^c									
5-9	-	11,869	2,988	690	574	508	354	291	220
Small companies									
10-19	-	13,460	5,680	957	1,184	753	876	294	308
20-49	-	13,821	10,249	717	2,154	655	1,732	194	422
Medium companies									
50-99	-	6,910	11,509	438	2,242	407	1,795	74	447
100-249	-	4,420	13,602	277	2,436	239	2,035	80	402
Large companies									
250-499	-	1,857	13,553	112	2,374	103	1,850	26	524
500-999	-	951	15,217	59	1,749	50	1,370	19	379
1,000-4,999	-	1,008	58,094	88	6,463	76	5,282	27	1,181
5,000-9,999	-	206	38,838	29	5,453	26	4,048	9	1,405
10,000-24,999	-	155	59,328	29	10,965	26	9,961	13	1,004
25,000 or more	-	101	126,763	22	4,202	21	3,496	9	705

* = amount < \$500,000; D = data withheld to avoid disclosing operations of individual companies; i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2012 North American Industry Classification System.

^a Statistics for the number of companies are based only on companies in the United States that reported to the survey. These statistics do not include an adjustment to the weight to account for unit nonresponse. A company having multiple reporting parts for data collection may contribute to the statistics for multiple industries, so the detail may not add to the total for the number of companies.

^b Statistics for the number of companies are based only on companies in the United States that reported to the survey. These statistics do not include an adjustment to the weight to account for unit nonresponse. These company count estimates reflect a new imputation process implemented for survey year 2014. This change has affected the comparability of these company count estimates with estimates published for years prior to 2014. A company having multiple reporting parts for data collection may contribute to the statistics for multiple industries, so the detail may not add to the total for the number of companies.

^c Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

Note(s)

TABLE 19

Companies with domestic R&D paid for by the company and others and performed by the company in the biotechnology focus area, by industry and company size: 2015

(Millions of U.S. dollars)

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. Some R&D may be reported in more than one application area. Some R&D is not classified in any application area.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2015.