

TABLE 26-B

Companies with domestic R&D paid for and performed by the company, by industry, company size, and state (N-Z): 2015

(Millions of U.S. dollars)

Industry and company size	NAICS code	Companies, U.S. total ^a (number)	United States	Nebraska	Nevada	New Hampshire	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina	South Dakota	Tennessee	Texas	Utah	Vermont	Virginia	Washington	West Virginia	Wisconsin	Wyoming	Undistributed ^c														
All industries	21-23, 31-33, 42-81	48,789	296,677	539	329	817	11,627	254	11,897	6,428	191	6,149	605	6,103	9,022	679	1,129	115	1,345	14,790	2,685	204	2,719	16,313	158	4,052	137	8,188														
Manufacturing industries	31-33	24,944	195,792	214	217	501	8,536	154	6,464	4,206	61	5,333	366	5,133	7,521	611	767	83	1,002	8,773	1,047	120	1,388	4,681	135	3,000	111	4,425														
Food	311	1,307	4,644	79	1 e	13	296	2 i	33	11	2	86	10	10 e	100	1 e	2 e	4	29	25 e	8	1 e	104 i	19 e	* e	67	* e	665														
Beverages and tobacco products	312	126	885	* e	* e	* e	1 e	* e	D	32	* e	* e	* e	2 e	1	i	* e	* e	* e	4	D	* e	* e	D	31	* e	1	* e	D													
Textiles, apparel, and leather products	313-16	880	715	* e	1	14	7 i	* e	40 i	67 i	* e	77	* e	45	7	i	4	67	* e	4 i	10	1 e	1 i	2 e	12	* e	19	* e	34													
Wood products	321	402	188	* e	* e	* e	3	* e	1 e	3	10	1 e	1	16	2	e	2	13	* e	4	1 e	1 i	* i	6	18	* e	6	* e	12													
Paper	322	229	763	1	i	* e	1	14	i	* i	13	i	36	* e	23	* i	* e	31	* e	15	6	1 i	* e	21	i	1 e	* e	323	* e	41												
Printing and related support activities	323	639	189	i	* i	* e	* e	2 i	1	10	1	i	* e	16	* e	2	3	i	* e	* e	* i	14	2 e	1 i	* e	5	1	i	* e	21	* e	9										
Petroleum and coal products	324	118	200	* e	* e	* e	48	* e	1 i	2	* e	7 i	D	* e	14	* i	* e	* e	* e	4	* e	0	4	i	* e	* e	3	* e	D													
Chemicals	325	2,689	58,769	37	19	i	16	6,277	38	2,365	1,573	4	2,340	55	97	4,880	71	i	116	18	301	1,376	147	39	335	621	103	281	2	1,093												
Basic chemicals	3251	307	2,574	1	e	* e	2	215	i	8	126	134	i	* e	269	20	8	199	1	9	12	226	270	7	* e	128	13	i	* e	12	*	154										
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	463	1,172	1		1 e	2 e	3 e	0	45	i	13 e	0	323	6	7	i	32	1	e	23	0	24	85	1	e	* e	18	2	1	e	54	*	D								
Pesticides, fertilizers, and other agricultural chemicals	3253	126	2,157	6		D	* e	70	*	i	2 e	39	i	2	34	2	e	10	D	0	1	i	5	i	3	i	D	* e	* e	6	4	i	9	D	1	D						
Pharmaceuticals and medicines	3254	728	50,242	29	i	10	i	10	5,647	29	1,961	1,320	2	1,495	25	63	4,324	66	i	20	1	e	41	727	137	30	178	600	D	121	* e	D										
Soaps, cleaning compounds, and toilet preparations	3256	449	1,283	* e	* e	1	292	i	* e	226	i	21	* e	70	* e	1 e	5	e	1 e	3	* i	4 e	42	2	9	4	2	e	1 e	6	i	*	6									
Paints, coatings, adhesives, and other chemicals	3255, 3259	618	1,339	* e	D	1	i	49	* e	6	i	45	* e	148	2	e	8	D	2	60	* e	4 e	D	1 e	* e	2 e	1	e	D	D	* e	D										
Plastics and rubber products	326	1,329	2,390	4	i	2 e	5 e	27	i	* e	90	110	1	e	128	53	6	e	64	i	15	25	1	e	43	69	5	e	1	e	25	13	i	1	e	136	* e	131				
Nonmetallic mineral products	327	479	1,239	* e	3	7	30	* e	629	71	* e	81	1	e	4	78	* e	5	* e	3	i	22	i	1	i	3	1	e	5	3		9	* e	18								
Primary metals	331	380	579	* e	2	4	2	* e	10	i	9	* e	44	1	e	11	164	* e	10	* e	34	63	3	1	i	1	1	3	22	* e	16											
Fabricated metal products	332	3,772	2,039	7	5	i	13	56	i	6	65	i	36	1	e	187	15	e	13	i	86	i	8	31	1	e	17	i	208	12	i	1	e	14	i	61	2	e	115	1	100	
Machinery	333	4,041	12,544	31	8	73	85	13	i	346	184	33	351	85	198	283	22	81	11	e	61	973	17	10	38	206	10	321	21	601												
Agricultural implements	33311	264	1,516	21	0	* e	* e	* e	1 e	65	25	4	1	i	2	i	1	e	0	6	1	e	8	4 e	* e	0	* e	1	e	1	45	* e	3									
Semiconductor machinery	333242	52	2,917	0	* e	1	e	31	9	i	61	i	0	* e	0	107	i	9	0	0	0	*	289	i	* e	* e	1	i	* e	0	0	0	23									
Engines, turbines, and power transmission equipment	3336	323	2,381	* e	3	* e	3	i	0	34	56	2	11	1	e	* e	23	i	* e	30	* e	2	82	* e	1	i	7	6	3	48	17	*										
Other machinery	other 333	3,404	5,731	10	i	5 e	72	50	4	250	63	6	336	83	88	249	22	45	10	51	598	16	9	30	199	6	e	228	5	i	574											
Computer and electronic products	334	2,977	63,765	34	43	282	973	78	934	1,549	3	554	41	4,088	836	54	170	39	103	5,007	314	28	365	761	7	i	277	78	722													
Communications equipment	3342	432	17,999	7	12	84	i	618	i	11	260	582	* e	116	i	10	51	311	3	20	1	32	646	35	1	238	164	1	24	* e	43											
Semiconductors and other electronic components	3344	906	28,597	5	3	e	113	200	45	197	609	* e	81	2	e	3,831	232	18	77	27	8	2,277	119	8	13	203	1	e	47	56	D											
Navigational, measuring, electromedical, and control instruments	3345	1,097	9,218	18	23	52	132	20	248	152	3	301	i	28	142	192	23	73	11	54	534	106	18	90	241	3	i	99	1	e	D											
Electromedical, electrotherapeutic, and irradiation apparatuses	334510, 334517	222	2,525	0	8	i	13	i	35	i	0	105	i	41	i	0	63	i	1	15	i	109	i	* e	16	i	0	45	108	i	22	i	5	i	26	i	69	2	30	i	0	30
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	64	2,881	6	D	21	48	7	76	32	3	32	21	97	29	3	D	* e	1	157	41	* e	48	47	0	5	* e	48	0	5	* e	*										
Other measuring and controlling devices	other 3345	810	3,813	12	D	19	49	i	13	68	79	* e	206	i	7	30	55	20	D	11	7	270	i	43	13	16	125	1	i	65	* i	D										
Other computer and electronic products	other 334	542	7,951	5	6	33	23	2	e	229	206	* e	56	1	64	100	10	*	*	9	1,550	i	54	*	24	153	2	e	107	21	D											
Electrical equipment, appliances, and components	335	949	3,852	2	2	7	57	* e	63	157	* e	69	4	85	298	11	82	3	50	85	2	2	e	18	14	1	e	482	* e	400												
Transportation equipment	336	1,689	29,224	13	25	24	97	12	1,076	152	5	i	1,095	28	211	339	10	110	4	168	598	282	27	i	306	2,638	2	687	8	267												
Automobiles, bodies, trailers, and parts	3361-63	1,037	16,636	9	* e	6	19	6	197	105	1	e	286	9	e	189	128	* e	76	2	e	150	89	D	* e	30	102	2	199	i	7	D										

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Industry and company size	NAICS code	Companies, U.S. total ^a (number)	United States	Nebraska	Nevada	New Hampshire	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina	South Dakota	Tennessee	Texas	Utah	Vermont	Virginia	Washington	West Virginia	Wisconsin	Wyoming	Undistributed ^c																									
Aerospace products and parts	3364	331	11,138	4	25	16	67	6	878	40	4 i	807	19	20	199		9	21	1	12	489	D	27 i	80	2,533	*	D	*	e	D																							
Aircraft, aircraft engines, and aircraft parts	336411-13	317	10,754	4	25	16	67	6	D	40	4 i	807	19	19	199		6	21	1	12	489	D	27 i	67	2,529	*	D	*	e	D																							
Guided missiles, space vehicles, and related parts	336414-15, 336419	15	385	i	0	0	*	e	*	D	0	0	*	0	1 i	1	e	3	0	0	1 i	*	0	0	12 i	4	i	0	0	0	*																						
Military armored vehicles, tanks, and tank components	336992	19	5	0	0	0	0	0	0	0	0	*	i	0	0	*	i	0	1	0	0	0	0	0	0	0	0	*	i	0	*																						
Other transportation	other 336	302	1,445	1	i	*	e	3	11	*	e	*	e	7	i	0	1	e	1	1	e	11	i	1	e	13	i	2	6	19	*	e	*	e	196	3	e	*	e	D	0	11											
Furniture and related products	337	615	443	*	e	*	e	1	i	10	*	e	8	i	20	*	e	16	1	e	4	i	7	i	*	e	1	e	*	e	2	e	10	e	5	4	10	3	e	*	e	7	i	*	e	32							
Miscellaneous	339	2,332	13,365	3	e	103	39	553	4	e	D	195	2	e	258	D	340	i	328	412	i	16	1	e	151	D	249	4	D	277	2	e	225	*	e	275	*	e	269														
Medical equipment and supplies	3391	1,217	11,211	2	e	2	e	31	538	3	e	446	i	172	2	e	210	D	29	297	35	13	*	e	146	147	196	1	e	20	e	192	1	e	71	*	e	D															
Other miscellaneous manufacturing	3399	1,116	2,154	i	1	e	101	9	16	i	1	e	D	23	i	1	e	48	2	e	311	i	31	i	376	i	3	e	1	e	5	e	D	53	3	D	85	1	e	153	*	e	D										
Nonmanufacturing industries	21-23, 42-81	23,846	100,885	325	i	112	e	316	3,090	99	i	5,433	2,222	130	816	239	971	1,500	68	363	32	e	343	6,017	1,638	84	1,331	11,632	23	e	1,052	26	e	3,763																			
Mining, extraction, and support activities	21	321	3,393	*	e	4	*	D	2	e	2	*	3	e	4	91	*	e	22	i	*	e	*	e	*	e	1	2,607	D	*	e	11	*	e	2	e	3	6	D														
Utilities	22	72	446	*	*	e	*	e	D	*	13	1	17	25	*	e	D	15	*	e	*	1	D	130	D	*	e	6	3	*	*	e	3	2																			
Wholesale trade	42	5,668	1,684	i	9	e	8	e	8	e	82	e	4	e	111	e	45	e	6	e	66	e	12	e	17	e	51	e	4	e	13	e	4	e	30	e	110	e	9	e	3	e	31	e	33	e	4	e	95	i	2	e	140
Electronic shopping and electronic auctions	454111-12	710	1,517	i	1	e	2	e	1	e	D	*	e	15	e	2	e	*	e	4	e	*	e	2	e	5	e	*	e	3	i	*	e	1	e	7	e	D	*	e	3	e	12	i	*	e	1	e	*	e	D		
Transportation and warehousing	48-49	35	403	*	e	*	e	*	e	D	*	e	*	e	*	e	*	e	3	*	e	*	e	*	e	*	e	D	23	D	*	e	*	D	*	e	*	*	e	3													
Information	51	3,309	64,578	248	i	35	193	1,202	26	2,573	992	74	264	52	684	612	10	e	240	14	89	1,063	537	23	i	584	10,574	2	e	634	7	2,350																					
Publishing	511	1,385	32,598	10	e	22	121	424	9	1,079	i	799	69	196	18	e	362	369	5	e	51	6	72	510	311	19	i	212	8,977	1	i	558	4	156																			
Newspaper, periodical, book, and directory publishers	5111	82	98	i	*	e	*	e	*	e	3	i	*	e	2	e	*	e	*	e	1	e	*	e	*	e	*	e	*	e	12	i	*	e	*	e	1	e	*	e	*	e	4										
Software publishers	5112	1,303	32,500	10	e	22	121	421	9	1,077	i	799	69	196	17	e	360	369	4	e	51	6	72	498	311	19	i	211	8,976	1	i	558	4	153																			
Telecommunications	517	445	3,537	3	e	2	e	4	e	659	2	e	152	36	3	e	7	e	5	e	3	e	46	1	e	13	e	2	e	3	e	28	e	12	2	e	167	15	1	e	19	2	e	1,866									
Data processing, hosting, and related services	518	1,147	9,314	222	i	3	e	67	104	2	518	126	1	e	49	4	e	286	129	5	147	i	6	10	e	461	193	i	2	e	193	457	*	e	46	1	e	257															
Other information	other 51	331	19,129	13	8	*	e	14	13	824	31	*	e	12	i	25	33	67	*	e	30	*	e	3	e	64	22	*	e	12	1,125	*	e	10	*	e	70																
Finance and insurance	52	105	5,329	13	3	1	e	227	1	e	973	291	1	e	51	11	3	e	180	21	24	1	e	6	e	146	62	1	e	10	e	11	1	e	128	*	e	513															
Real estate and rental and leasing	53	50	301	*	i	*	e	*	e	*	e	1	i	*	*	e	*	i	*	i	D	2	i	*	e	1	i	*	e	*	i	6	*	e	*	e	*	i	62	*	e	*	e	*	i	D							
Lessors of nonfinancial intangible assets (except copyrighted works)	533	22	68	*	i	0	0	0	0	1	i	*	0	*	i	0	D	*	i	0	1	i	0	0	*	i	0	0	*	i	*	0	0	0	0	0																	
Other real estate and rental and leasing	other 53	28	232	*	e	*	e	*	e	*	e	*	e	*	e	*	i	*	e	2	i	*	e	*	e	*	e	*	i	6	*	e	*	e	*	e	61	*	e	*	e	*	i	2									
Professional, scientific, and technical services	54	12,423	21,915	45	e	58	e	111	1,284	i	64	i	1,690	869	29	351	63	e	247	594	33	73	e	10	e	176	1,840	668	57	678	e	755	13	e	179	7	e	414															
Architectural, engineering, and related services	5413	2,515	2,247	i	6	e	9	e	14	i	43	e	9	e	91	e	43	e	5	e	44	e	14	e	88	137	8	i	14	e	2	e	32	e	330	i	23	i	2	e	102	e	75	i	4	e	36	i	3	e	86		
Computer systems design and related services	5415	6,016	12,418	30	25	47	290	e	17	1,396	692	14	178	16	e	95	236	12	e	27	e	5	i	39	e	1,165	42	e	50	454	e	476	7	e	62	e	2	e	193														
Scientific research and development services	5417	1,871	3,896	4	e	19	47	200	19	e	92	i	115	i	8	i	67	14	27	176	11	25	e	2	e	16	e	160	i	19	e	3	e	72	e	112	1	e	67	1	e	62											
Biotechnology research and development	541711	502	1,536	i	2	e	1	e	35	35	4	e	44	i	51	i	1	e	12	i	9	2	e	65	i	8	7	0	5	e	41	5	e	*	e	10	i	26	i	*	57	*	e	16									
Physical, engineering, and life sciences (except biotechnology) research and development	541712	1,348	2,348	2	e	18	12	165	i	15	e	48	e	63	i	7	i	55	5	e	23	111	2	e	17	e	2	e	11	118	i	13	e	2	e	61	e	85	1	e	9	e	1	e	46								
Social sciences and humanities research and development	541720	20	12	i	*	e	*	e	0	0	*	e	*	e	1	*	e	*	e	0	2	i	*	e	*	e	0	*	e	*	e	0	*	e	1	i	*	e	*	i	0	*											
Other professional, scientific, and technical services	other 54	2,021	3,354	5	5	e	3	e	752	i	18	i	111	e	18	e	1	e	62	19	37	46	e	2	e	8	e	1	e	89	187	585	1	e	50	e	92	2	e	14	e	1	e	72									
Health care services	621-23	669	460	1	*	e	2	D	*	e	5	e	3	e	*	28	1	e	4	2	e	*	e	3	i	*	e	1	e	9	e	*	e	*	e	2	e	4	*	e	3	*	e	D									

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Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	490	861	8	2 e	1 e	D	1 e	52	18	* e	20	9	D	17	i	* e	5	2	D	75	D	* e	6	D	* e	9	* e	155
All companies (number of domestic employees)		-	48,789	296,677	539	329	817	11,627	254	11,897	6,428	191	6,149	605	6,103	9,022	679	1,129	115	1,345	14,790	2,685	204	2,719	16,313	158	4,052	137	8,188
Micro companies ^b																													
5-9		-	10,152	1,972	i 8	e 8	e 10	e 77	e 7	e 99	e 39	e 4	e 50	e 15	e 25	e 111	i 6	e 13	e 3	e 20	e 133	e 17	e 3	e 67	e 53	e 3	e 29	e 1	e D
Small companies																													
10-19		-	11,768	4,434	i 18	e 23	e 24	e 229	e 17	e 229	e 119	e 11	e 131	e 30	e 49	e 188	e 13	e 34	e 7	e 42	e 268	e 61	e 7	e 155	e 106	e 7	e 69	e 4	e D
20-49		-	12,421	7,933	i 23	e 34	e 35	e 331	i 48	i 391	e 150	e 14	e 210	e 44	e 78	e 280	e 26	e 49	e 9	e 74	e 464	e 58	e 18	i 211	e 210	i 13	e 113	e 5	e 114
Medium companies																													
50-99		-	6,246	8,803	30	e 34	e 88	362	38	352	e 233	e 12	e 205	e 36	e 100	e 274	e 15	e 49	e 8	e 71	e 498	e 91	e 15	e 161	e 255	11	e 133	e 9	e 417
100-249		-	4,119	11,037	21	i 16	83	360	12	i 386	i 144	11	250	32	e 117	261	23	44	i 16	69	475	97	25	152	393	6	e 201	4	738
Large companies																													
250-499		-	1,760	11,368	52	31	59	352	5	e 378	190	8	333	30	186	353	7	e 42	5	e 71	486	177	15	169	e 802	5	e 234	4	588
500-999		-	912	13,194	28	8	149	227	6	789	327	12	174	34	164	335	23	87	15	38	924	89	2	145	459	* e	174	21	D
1,000-4,999		-	963	48,264	210	i 107	196	1,504	i 12	1,632	874	28	782	106	784	1,389	488	i 318	42	212	1,634	656	5	410	1,062	4	652	15	1,284
5,000-9,999		-	199	34,660	38	8	20	646	i 24	1,779	i 1,240	3	i 712	29	120	i 859	19	204	2	i 80	1,403	474	39	227	1,123	96	1,225	1	590
10,000-24,999		-	149	48,450	34	12	i 67	3,057	14	1,602	1,478	7	i 766	136	401	2,261	i 31	82	4	i 461	3,141	120	18	i 169	246	13	634	*	D
25,000 or more		-	100	106,562	77	47	85	4,481	68	4,259	1,634	84	2,536	114	4,081	2,711	29	207	4	208	5,366	846	56	853	11,603	1	588	72	2,513

* = amount < \$500,000; D = data withheld to avoid disclosing operations of individual companies. e = estimated, more than 50% of the estimate is modeled—see technical notes; 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 Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

^c Includes data reported on Form BRDI-1 that were not allocated to a specific state as well as data reported on Form BRDI-1(S) by multi-establishment companies. For single-establishment companies, data reported on Form BRDI-1(S) were allocated to the state in the address used to mail the survey form.

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. For a given estimate in this table, if the conditions are satisfied for both the i and e flags, the e flag is assigned because the imputation rate may be found in the corresponding table of imputation rates. Statistics are representative of companies located in the United States that performed or funded R&D. Changes in data collection and imputation processes have affected the comparability of company count estimates in this table with estimates published for previous years.

Source(s)

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