

State Indicators

S-53 Net Formations of High Science, Engineering, and Technology Employment Establishments as a Percentage of All Business Establishments

Description

The term "net formations" here refers to the difference between the number of business establishments that are formed in the indicated year and the number that ceased operations during the previous year. The U.S. Census Bureau tracks information on establishments, which it defines as single locations at which business is conducted or where services or industrial operations are performed. An establishment is not necessarily identical with a company or enterprise, which may consist of one establishment or more.

The ratio of the number of net establishment formations that occur in industries with high employment in science, engineering, and technology (SET) occupations to the number of business establishments in a state indicates the relative expansion or contraction of high SET employment industries in a state's economy.

The data on business establishments in high SET employment industries for the years 2003–08 are based on the establishments' classification according to the 2002 edition of the North American Industry Classification System (NAICS). The data for the years 2009–12 are based on classification according to the 2007 edition of NAICS, and subsequent years use 2012 NAICS codes. See the State Indicators data tool technical notes for a description of how industries are defined as high SET employment. Data for years prior to 2003 are not directly comparable because of the switch to NAICS.

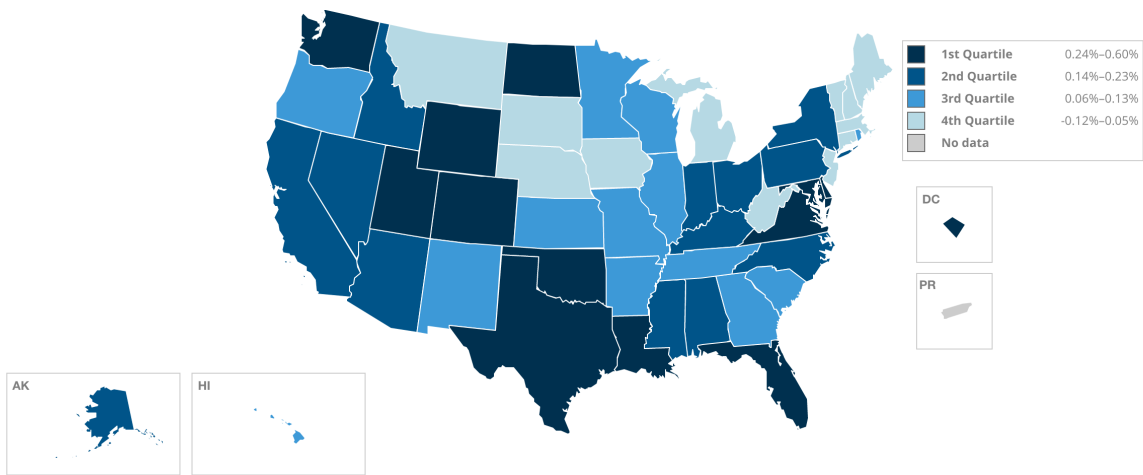
Changes in company name, ownership, or address are not counted as business formations or business deaths. Net business formations cannot be used to directly link the number of high SET employment business establishments in different years because the primary industry of some establishments may have changed during the period.

Data source: U.S. Census Bureau, special tabulations of the Business Information Tracking Series.

State Indicators

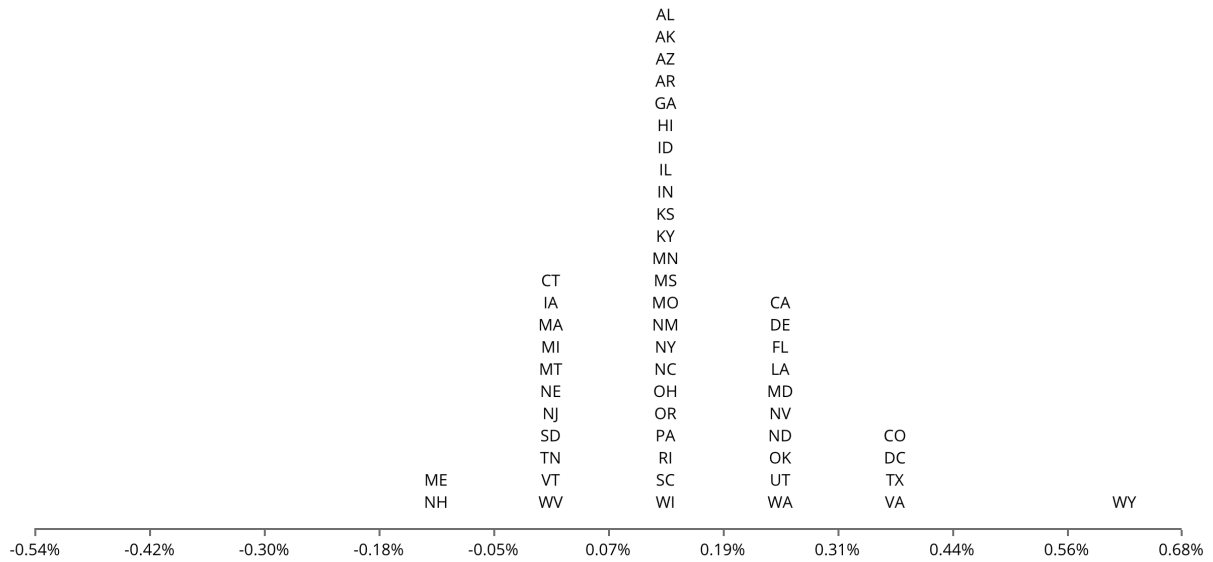
S-53 Net Formations of High Science, Engineering, and Technology Employment Establishments as a Percentage of All Business Establishments

2014



Distribution of states across indicator values, 2014

State Indicators



Histograms do not display states with extreme values. Please consult the data tables for exact indicator values for each state. State positions on the histogram are based on unrounded values of the indicator and may not always match the rounded values displayed in the table.

State Indicators

Net Formations of High Science, Engineering, and Technology Employment Establishments as a Percentage of All Business Establishments

(Percent)

State	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
United States	0.16	0.16	0.18	0.20	-0.04	-0.14	0.06	0.03	0.13	0.07
Alabama	0.06	0.06	0.13	0.13	-0.06	-0.05	*	-0.03	-0.02	0.06
Alaska	0.11	0.30	0.33	0.27	-0.16	0.55	0.25	-0.07	-0.02	0.03
Arizona	0.28	0.28	0.32	0.33	-0.17	-0.24	-0.16	-0.09	0.03	0.09
Arkansas	0.19	0.14	0.15	0.17	0.20	0.02	0.18	0.07	-0.02	-0.05
California	0.13	0.25	0.30	0.22	-0.11	-0.23	*	0.11	0.25	0.13
Colorado	0.33	0.39	0.33	0.48	0.09	-0.10	0.06	0.06	0.30	0.19
Connecticut	-0.05	-0.05	0.05	0.07	-0.13	-0.24	-0.13	-0.05	-0.05	-0.08
Delaware	-0.21	-0.34	-0.31	-0.51	-0.61	-0.54	-0.15	-0.20	-0.16	0.31
District of Columbia	0.34	0.57	0.93	0.68	-0.12	1.10	0.62	0.39	0.07	0.83
Florida	0.36	0.34	0.20	0.17	-0.06	-0.20	0.13	0.10	0.28	0.11
Georgia	0.30	0.27	0.33	0.32	-0.10	-0.16	0.05	-0.03	0.15	-0.08
Hawaii	0.16	0.25	0.27	-0.09	-0.04	0.09	-0.10	-0.10	-0.14	-0.10
Idaho	0.13	0.32	0.33	0.39	-0.02	-0.09	-0.03	-0.11	-0.01	-0.12
Illinois	0.14	0.10	0.08	0.17	0.02	-0.21	0.03	-0.04	0.10	-0.03
Indiana	0.14	0.07	0.11	0.11	-0.05	-0.09	0.08	-0.12	0.02	-0.09
Iowa	0.01	0.10	0.18	0.12	-0.02	-0.12	0.11	-0.01	*	0.08
Kansas	0.21	0.07	0.15	0.05	-0.04	-0.05	0.04	0.05	-0.05	-0.02
Kentucky	0.13	0.12	0.05	0.05	0.05	-0.11	0.02	-0.03	0.05	0.04
Louisiana	-0.04	0.04	0.19	0.22	0.12	-0.06	0.11	0.17	0.15	0.12
Maine	0.20	0.06	0.07	0.00	0.12	*	-0.11	0.03	0.21	-0.12
Maryland	0.35	0.24	0.20	0.34	-0.04	0.10	0.25	0.03	0.24	0.30

State Indicators

State	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Massachusetts	0.09	-0.10	0.11	0.17	-0.08	-0.27	-0.02	0.06	0.09	0.12
Michigan	0.02	0.07	0.01	0.11	-0.18	-0.30	0.05	-0.02	-0.06	-0.08
Minnesota	0.12	0.15	0.03	0.18	-0.19	-0.25	-0.04	0.05	0.07	0.02
Mississippi	0.01	-0.01	0.14	0.13	0.09	-0.08	0.04	0.10	0.01	0.04
Missouri	0.13	0.06	0.18	0.04	*	-0.12	-0.18	-0.06	-0.04	0.01
Montana	0.31	0.27	0.27	0.23	0.21	-0.10	0.07	0.02	0.22	0.24
Nebraska	0.13	0.18	0.19	0.27	0.06	0.03	0.06	-0.07	0.21	0.16
Nevada	0.30	0.52	0.34	0.29	-0.05	-0.26	0.19	-0.01	0.29	0.22
New Hampshire	0.08	-0.08	0.03	-0.06	0.00	-0.21	-0.07	-0.19	0.20	-0.15
New Jersey	-0.03	0.04	0.02	-0.03	-0.17	-0.39	0.01	-0.10	-0.03	0.11
New Mexico	0.08	0.14	0.21	0.20	*	0.05	-0.16	-0.01	-0.11	-0.10
New York	0.14	0.05	0.05	0.19	*	-0.13	0.10	0.03	0.11	0.08
North Carolina	0.24	0.27	0.31	0.25	-0.02	-0.14	0.18	-0.05	0.16	*
North Dakota	*	0.16	0.16	0.24	0.20	-0.04	0.11	0.34	0.54	0.29
Ohio	0.08	0.02	0.04	0.08	-0.10	-0.15	0.07	-0.11	-0.02	-0.12
Oklahoma	0.09	0.14	0.26	0.27	0.02	-0.04	0.05	0.10	0.06	*
Oregon	0.15	0.26	0.13	0.27	0.08	-0.21	0.18	-0.06	0.12	*
Pennsylvania	0.16	0.12	0.09	0.08	0.06	-0.17	0.07	-0.04	0.02	0.01
Rhode Island	0.22	-0.02	0.03	0.23	-0.18	-0.15	0.08	0.03	-0.05	0.03
South Carolina	0.17	0.22	0.22	0.27	0.02	-0.11	0.04	-0.05	*	0.07
South Dakota	0.06	0.10	0.04	0.29	0.16	-0.01	0.02	-0.01	0.14	0.25
Tennessee	0.03	0.11	0.28	0.07	-0.06	-0.11	-0.12	0.04	0.05	-0.02
Texas	0.08	0.10	0.24	0.31	0.04	-0.09	0.12	0.18	0.31	0.18
Utah	0.45	0.61	0.56	0.55	-0.02	0.03	0.23	0.20	0.25	0.31
Vermont	0.19	0.03	0.10	0.17	-0.02	-0.13	0.08	-0.06	0.12	-0.14
Virginia	0.45	0.41	0.50	0.42	-0.08	0.21	0.29	0.10	0.14	0.24

State Indicators

State	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Washington	0.20	0.23	0.27	0.36	0.03	-0.06	0.11	-0.06	0.14	0.14
West Virginia	0.04	0.11	-0.03	0.10	0.05	-0.01	0.26	*	-0.19	0.02
Wisconsin	0.15	0.06	0.05	0.05	-0.01	-0.14	0.10	-0.07	-0.01	-0.03
Wyoming	0.19	0.51	0.42	0.33	0.26	-0.03	0.20	0.58	0.37	0.38
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA = not available

Note(s):

The national establishment formation total for the United States does not include U.S. territories. The national total for all establishments for the United States does not include U.S. territories.

Source(s):

U.S. Census Bureau, special tabulations of the Business Information Tracking Series (various years), data as of April 2017.

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Last updated: January 18, 2018

Science and Engineering Indicators 2018

State Indicators

Net Formations of High Science, Engineering, and Technology Employment Establishments as a Percentage of All Business Establishments

(Percent)

State	2014
United States	0.18
Alabama	0.15
Alaska	0.19
Arizona	0.18
Arkansas	0.09
California	0.22
Colorado	0.32
Connecticut	0.01
Delaware	0.31
District of Columbia	0.40
Florida	0.27
Georgia	0.13
Hawaii	0.11
Idaho	0.17
Illinois	0.11
Indiana	0.15
Iowa	*
Kansas	0.10
Kentucky	0.19
Louisiana	0.27
Maine	-0.09
Maryland	0.28

State Indicators

State	2014
Massachusetts	0.05
Michigan	0.01
Minnesota	0.10
Mississippi	0.16
Missouri	0.10
Montana	0.02
Nebraska	-0.01
Nevada	0.23
New Hampshire	-0.12
New Jersey	-0.05
New Mexico	0.11
New York	0.15
North Carolina	0.18
North Dakota	0.26
Ohio	0.18
Oklahoma	0.25
Oregon	0.07
Pennsylvania	0.14
Rhode Island	0.10
South Carolina	0.08
South Dakota	0.03
Tennessee	0.06
Texas	0.42
Utah	0.29
Vermont	-0.01
Virginia	0.35

State Indicators

State	2014
Washington	0.24
West Virginia	-0.03
Wisconsin	0.09
Wyoming	0.60
Puerto Rico	NA

NA = not available

Note(s):

The national establishment formation total for the United States does not include U.S. territories. The national total for all establishments for the United States does not include U.S. territories.

Source(s):

U.S. Census Bureau, special tabulations of the Business Information Tracking Series (various years), data as of April 2017.

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State Indicators

Net high SET employment establishment formations

State	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
United States	11,598	12,215	14,031	15,113	-2,768	-10,428	4,631	1,874	9,299	5,289
Alabama	63	64	134	141	-65	-54	-3	-32	-19	58
Alaska	22	59	66	55	-32	110	49	-15	-4	6
Arizona	357	373	446	464	-236	-326	-213	-122	33	115
Arkansas	123	92	98	114	131	14	120	44	-10	-32
California	1,099	2,174	2,633	1,929	-973	-1,976	-8	919	2,169	1,137
Colorado	490	583	509	751	148	-154	97	85	462	287
Connecticut	-47	-46	44	62	-124	-219	-113	-43	-42	-72
Delaware	-52	-87	-78	-131	-153	-133	-36	-48	-39	74
District of Columbia	66	117	195	143	-25	232	134	84	15	181
Florida	1,743	1,695	1,009	873	-322	-957	616	502	1,407	555
Georgia	642	589	734	731	-228	-357	106	-57	321	-164
Hawaii	51	82	90	-30	-14	28	-32	-30	-45	-31
Idaho	54	138	151	185	-10	-40	-13	-48	-6	-51
Illinois	452	328	243	545	65	-668	92	-120	327	-81
Indiana	208	101	164	171	-78	-125	122	-176	30	-127
Iowa	12	78	150	97	-14	-99	91	-8	4	68
Kansas	160	56	114	41	-31	-39	31	35	-39	-13
Kentucky	116	115	42	48	46	-98	14	-30	48	37
Louisiana	-38	36	195	225	121	-67	117	180	155	125
Maine	81	23	31	0	49	-2	-44	11	83	-47
Maryland	475	329	278	478	-56	130	342	38	318	405
Massachusetts	156	-178	193	304	-141	-455	-36	101	158	199
Michigan	44	175	27	267	-408	-662	113	-36	-136	-164

State Indicators

State	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Minnesota	185	223	39	276	-,278	-,363	-54	69	107	31
Mississippi	7	-8	83	79	52	-45	25	56	6	23
Missouri	195	99	279	62	-7	-,174	-,262	-81	-63	20
Montana	108	97	98	87	80	-37	26	8	80	88
Nebraska	64	94	98	144	32	15	32	-37	108	86
Nevada	169	301	207	181	-32	-,156	112	-7	175	135
New Hampshire	30	-32	13	-23	0	-81	-28	-69	74	-57
New Jersey	-80	86	38	-77	-,393	-,891	31	-,235	-72	260
New Mexico	37	61	98	93	-1	24	-69	-5	-46	-45
New York	702	259	274	977	20	-,663	530	170	602	441
North Carolina	514	585	692	559	-53	-,298	383	-98	356	-2
North Dakota	-1	34	34	52	43	-8	25	75	128	69
Ohio	204	43	111	205	-,273	-,386	173	-,280	-42	-,295
Oklahoma	75	124	236	245	22	-35	47	94	52	4
Oregon	156	286	141	309	93	-,222	198	-67	133	2
Pennsylvania	474	355	278	233	177	-,509	198	-,117	71	18
Rhode Island	67	-5	8	69	-54	-44	22	8	-14	8
South Carolina	175	232	230	294	25	-,117	44	-55	5	69
South Dakota	16	25	9	76	42	-2	5	-3	35	64
Tennessee	39	141	372	99	-75	-,145	-,156	48	67	-24
Texas	401	477	1,221	1,588	231	-,442	600	927	1,645	993
Utah	283	396	382	397	-16	19	156	140	176	219
Vermont	42	7	22	37	-4	-29	17	-13	25	-29
Virginia	845	791	986	844	-,162	398	567	192	272	471
Washington	346	410	476	657	52	-,113	185	-99	239	239
West Virginia	16	46	-13	40	19	-2	99	1	-71	6



State Indicators

State	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Wisconsin	215	91	66	78	-12	-,198	138	-99	-15	-48
Wyoming	37	101	85	69	54	-7	41	117	76	78
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA = not available

Science and Engineering Indicators 2018

State Indicators

Net high SET employment establishment formations

State	2014
United States	13,409
Alabama	146
Alaska	39
Arizona	242
Arkansas	58
California	1,908
Colorado	499
Connecticut	8
Delaware	75
District of Columbia	88
Florida	1,421
Georgia	287
Hawaii	35
Idaho	76
Illinois	357
Indiana	215
Iowa	4
Kansas	75
Kentucky	173
Louisiana	278
Maine	-38
Maryland	380
Massachusetts	89
Michigan	23

State Indicators

State	2014
Minnesota	151
Mississippi	93
Missouri	146
Montana	9
Nebraska	-7
Nevada	142
New Hampshire	-45
New Jersey	-,111
New Mexico	46
New York	783
North Carolina	395
North Dakota	65
Ohio	456
Oklahoma	235
Oregon	77
Pennsylvania	426
Rhode Island	29
South Carolina	83
South Dakota	7
Tennessee	77
Texas	2,360
Utah	212
Vermont	-3
Virginia	687
Washington	420
West Virginia	-13



State Indicators

State	2014
Wisconsin	127
Wyoming	124
Puerto Rico	NA
NA = not available	
<i>Science and Engineering Indicators 2018</i>	

State Indicators

All business establishments

State	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
United States	7,223,240	7,366,978	7,480,626	7,585,035	7,689,821	7,587,695	7,421,827	7,384,267	7,335,501	7,417,313
Alabama	99,453	100,521	101,730	103,236	105,388	103,690	100,635	99,097	97,509	97,786
Alaska	19,037	19,309	19,743	19,838	20,146	19,870	19,854	19,922	20,063	20,372
Arizona	120,966	125,330	131,311	137,532	142,649	139,876	133,897	131,661	130,028	131,168
Arkansas	64,058	65,127	65,909	66,647	67,513	66,558	65,347	65,069	64,347	64,715
California	822,751	838,615	858,059	875,682	889,726	876,984	856,260	848,238	846,722	862,879
Colorado	143,398	146,937	150,766	154,254	157,570	156,426	152,806	151,765	150,581	152,878
Connecticut	91,207	92,710	93,275	93,232	93,444	92,428	89,919	89,078	87,805	88,027
Delaware	24,739	25,344	25,274	25,563	25,476	25,134	24,487	24,263	24,088	23,826
District of Columbia	19,357	19,503	20,447	20,967	20,957	21,051	21,180	21,478	21,516	21,567
Florida	458,823	483,693	503,535	516,185	522,710	506,466	490,737	490,492	489,615	501,512
Georgia	208,350	214,200	219,990	225,577	231,418	227,233	219,084	216,787	214,202	215,953
Hawaii	30,950	31,538	32,192	33,063	33,321	32,862	32,344	31,904	31,422	31,465
Idaho	39,582	41,205	43,213	45,599	47,284	46,133	44,214	43,365	42,292	42,827
Illinois	310,589	315,093	318,171	320,756	324,628	321,441	314,565	313,654	311,683	313,598
Indiana	147,073	149,050	149,605	151,024	152,604	149,891	145,808	144,802	143,190	143,712
Iowa	80,745	81,334	81,878	82,542	83,008	82,207	80,854	80,637	79,919	80,464
Kansas	74,637	75,600	76,001	76,261	76,984	75,958	74,560	74,163	73,392	73,791
Kentucky	90,358	91,598	92,030	92,700	93,428	92,471	90,555	90,665	89,611	89,682
Louisiana	101,933	102,866	102,629	101,647	104,459	103,877	103,251	103,234	103,039	103,924
Maine	40,519	41,131	41,814	41,941	42,409	41,683	40,549	40,506	40,012	40,052
Maryland	132,782	135,699	138,118	140,021	141,076	138,416	135,491	134,417	132,974	134,090
Massachusetts	177,910	175,426	174,791	174,997	176,304	173,933	170,110	169,475	168,696	170,945
Michigan	236,221	237,392	236,969	235,245	234,971	228,890	221,327	218,752	216,859	217,060

State Indicators

State	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Minnesota	145,364	148,276	149,930	150,896	151,304	148,641	146,173	145,247	144,296	145,566
Mississippi	59,565	60,364	60,370	60,442	61,727	60,793	59,501	59,196	58,465	58,538
Missouri	149,753	153,584	153,883	154,177	154,201	152,165	150,659	149,628	146,905	146,300
Montana	33,616	34,570	35,616	36,550	37,645	37,228	36,256	35,950	35,575	36,144
Nebraska	50,213	50,803	51,341	51,822	52,452	52,064	51,544	51,803	51,450	52,203
Nevada	53,080	55,713	58,402	61,061	62,706	61,721	59,698	59,113	58,663	59,324
New Hampshire	38,119	38,707	39,127	39,273	39,363	38,812	37,812	37,385	36,930	37,158
New Jersey	237,097	240,013	241,690	242,649	242,967	238,080	230,904	228,577	226,452	227,948
New Mexico	43,386	44,071	44,888	45,814	46,763	46,091	44,902	44,134	43,755	43,798
New York	500,559	509,873	512,759	514,992	518,608	517,873	515,107	518,527	519,562	525,298
North Carolina	207,500	212,457	216,395	221,898	227,444	224,757	218,592	217,768	214,658	217,012
North Dakota	20,371	20,763	21,012	21,286	21,477	21,514	21,405	21,792	22,305	23,503
Ohio	269,202	271,078	270,408	269,398	269,855	263,353	256,146	253,136	249,880	250,441
Oklahoma	85,633	87,180	88,316	89,440	91,054	91,186	90,151	89,868	89,537	90,792
Oregon	102,462	104,966	108,113	110,317	113,054	111,266	107,814	107,181	105,979	107,284
Pennsylvania	297,040	300,832	302,713	303,507	304,721	302,568	297,988	296,514	295,187	296,478
Rhode Island	29,172	29,900	30,223	30,322	30,299	29,713	28,636	28,477	28,123	27,989
South Carolina	98,735	100,947	103,176	105,060	107,685	106,501	103,112	101,902	100,240	101,053
South Dakota	24,314	24,693	25,130	25,419	25,797	25,624	25,418	25,562	25,419	25,733
Tennessee	129,458	131,355	132,798	134,776	137,547	136,321	132,638	131,302	129,177	130,319
Texas	481,804	489,782	496,601	508,092	520,405	521,383	518,183	521,248	524,082	536,771
Utah	60,011	62,644	65,366	68,612	71,722	71,301	69,347	68,725	68,592	70,343
Vermont	21,747	22,072	22,221	22,261	22,298	22,067	21,530	21,422	21,139	21,123
Virginia	182,783	188,533	192,640	196,849	200,131	197,376	193,744	192,780	190,693	192,428
Washington	166,229	170,848	174,950	179,368	183,984	181,688	176,864	175,486	172,846	175,061
West Virginia	40,225	40,732	40,641	40,480	40,415	39,579	38,929	38,599	38,060	37,838



State Indicators

State	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Wisconsin	141,560	143,739	144,784	145,590	146,019	143,830	140,636	139,332	137,695	137,988
Wyoming	18,804	19,262	19,683	20,175	20,705	20,722	20,304	20,189	20,271	20,587
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA = not available										
<i>Science and Engineering Indicators 2018</i>										

State Indicators

All business establishments

State	2013	2014
United States	7,473,282	7,547,983
Alabama	97,392	97,522
Alaska	20,465	20,696
Arizona	132,568	134,235
Arkansas	64,679	64,571
California	872,007	887,221
Colorado	154,657	157,826
Connecticut	88,269	88,337
Delaware	24,112	24,281
District of Columbia	21,894	22,185
Florida	509,449	518,959
Georgia	217,239	220,314
Hawaii	31,585	31,772
Idaho	43,043	43,732
Illinois	314,772	315,593
Indiana	143,228	143,549
Iowa	80,416	80,285
Kansas	73,654	73,891
Kentucky	90,550	91,297
Louisiana	104,260	104,891
Maine	40,187	40,314
Maryland	135,177	136,248
Massachusetts	172,155	173,213
Michigan	217,086	217,916

State Indicators

State	2013	2014
Minnesota	146,118	147,240
Mississippi	58,341	58,427
Missouri	149,960	153,620
Montana	36,451	36,707
Nebraska	52,509	52,905
Nevada	60,210	61,542
New Hampshire	37,119	37,330
New Jersey	229,947	230,272
New Mexico	43,636	43,650
New York	530,855	535,045
North Carolina	217,859	219,532
North Dakota	24,029	24,650
Ohio	249,639	250,113
Oklahoma	91,584	92,279
Oregon	108,213	109,558
Pennsylvania	297,278	297,850
Rhode Island	27,977	28,090
South Carolina	101,375	102,144
South Dakota	25,967	26,141
Tennessee	130,608	131,227
Texas	546,146	556,676
Utah	71,780	73,264
Vermont	21,088	21,017
Virginia	193,634	195,370
Washington	176,296	178,458
West Virginia	37,517	37,283



State Indicators

State	2013	2014
Wisconsin	137,735	137,977
Wyoming	20,567	20,768
Puerto Rico	NA	NA
NA = not available		
<i>Science and Engineering Indicators 2018</i>		