

## Total employment by occupation and industry, 2000 and projected 2010

Computer software engineers, applications

[Industries with fewer than 50 workers in 2000 are not displayed]

Industry	2000			2010			Employment change, 2000-10	
	Number	Per- cent of occu- pation	Per- cent of indus- try	Number	Per- cent of occu- pation	Per- cent of indus- try	Number	Percent
<b>Total employment, all industries</b> .....	379,969	100.00	0.26	760,059	100.00	0.45	380,091	100.0
<b>Self-employed workers, all jobs</b> .....	28,442	7.49	.25	46,277	6.09	.39	17,835	62.7
Self-employed workers, primary job .....	21,149	5.57	.21	37,473	4.93	.37	16,324	77.2
Self-employed workers, secondary job .....	7,292	1.92	.45	8,803	1.16	.57	1,511	20.7
<b>Wage and salary employment, all industries<sup>2</sup></b> .....	351,527	92.51	.26	713,783	93.91	.46	362,256	103.1
<b>Agriculture, forestry, and fishing<sup>2</sup></b> .....	67	.02	.00	91	.01	.00	24	36.2
Crops, livestock and livestock products <sup>2</sup> .....	65	.02	.01	89	.01	.01	24	36.8
<b>Construction</b> .....	287	.08	.00	421	.06	.01	134	46.9
Heavy construction, except building .....	65	.02	.01	97	.01	.01	31	47.5
Heavy construction, except highway and street .....	59	.02	.01	89	.01	.01	30	51.2
Special trade contractors .....	215	.06	.00	315	.04	.01	100	46.3
Electrical work .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>Manufacturing</b> .....	50,507	13.29	.27	67,789	8.92	.36	17,282	34.2
<b>Durable goods manufacturing</b> .....	47,032	12.38	.42	63,143	8.31	.54	16,110	34.3
Lumber and wood products .....	215	.06	.03	303	.04	.03	88	41.1
Sawmills and planing mills .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Millwork, plywood, and structural members .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Furniture and fixtures .....	51	.01	.01	73	.01	.01	22	44.2
Stone, clay, and glass products .....	368	.10	.06	464	.06	.08	96	26.0
Flat glass and products of purchased glass .....	51	.01	.06	71	.01	.09	20	38.6
Glass and glassware, pressed or blown .....	162	.04	.24	194	.03	.33	31	19.2
Stone, clay, and miscellaneous mineral products .....	118	.03	.07	147	.02	.10	30	25.1
Primary metal industries .....	415	.11	.06	518	.07	.08	103	24.9
Blast furnaces and basic steel products .....	186	.05	.08	202	.03	.11	15	8.2
Nonferrous rolling and drawing .....	194	.05	.11	267	.04	.15	73	37.7
Fabricated metal products .....	765	.20	.05	1,152	.15	.07	387	50.6
Cutlery, handtools, and hardware .....	81	.02	.07	105	.01	.10	24	29.0
Fabricated structural metal products .....	308	.08	.06	448	.06	.08	141	45.7
Metal forgings and stampings .....	100	.03	.04	142	.02	.06	42	41.9
Metal services, nec .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Miscellaneous fabricated metal products .....	143	.04	.05	236	.03	.07	93	65.4
Industrial machinery and equipment .....	16,918	4.45	.80	21,732	2.86	.98	4,814	28.5
Engines and turbines .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Farm and garden machinery .....	55	.01	.06	83	.01	.08	28	51.4
Construction and related machinery .....	357	.09	.15	580	.08	.20	223	62.5
Metalworking machinery .....	576	.15	.17	806	.11	.24	231	40.0
Special industry machinery .....	965	.25	.56	1,225	.16	.78	260	26.9
General industrial machinery .....	544	.14	.22	783	.10	.30	239	43.9
Computer and office equipment .....	13,786	3.63	3.81	17,295	2.28	4.94	3,510	25.5
Refrigeration and service machinery .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Industrial machinery, nec .....	183	.05	.05	280	.04	.07	97	53.2
<b>Electronic and other electrical equipment</b> .....	12,235	3.22	.71	16,949	2.23	.93	4,714	38.5
Electric distributing equipment .....	382	.10	.45	446	.06	.58	65	16.9
Electrical industrial apparatus .....	461	.12	.31	505	.07	.40	44	9.5
Electric lighting and wiring equipment .....	152	.04	.08	207	.03	.11	55	35.9
Household audio and video equipment .....	224	.06	.28	278	.04	.36	53	23.8
Communications equipment .....	5,092	1.34	1.84	6,690	.88	2.31	1,598	31.4
Electronic components and accessories .....	5,715	1.50	.84	8,535	1.12	1.07	2,820	49.3
Miscellaneous electrical equipment and supplies .....	191	.05	.13	269	.04	.17	78	40.8
<b>Transportation equipment</b> .....	3,828	1.01	.21	5,686	.75	.28	1,858	48.5
Motor vehicles and equipment .....	330	.09	.03	499	.07	.05	169	51.2
Aircraft and parts .....	1,435	.38	.31	2,471	.32	.43	1,035	72.1
Ship and boat building and repairing .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Guided missiles, space vehicles, and parts .....	1,923	.51	2.24	2,506	.33	3.03	583	30.3
Miscellaneous transportation equipment .....	69	.02	.08	113	.01	.11	44	64.4
Instruments and related products .....	11,724	3.09	1.38	15,575	2.05	1.79	3,851	32.8

<sup>1</sup> Data are suppressed to protect confidentiality

<sup>2</sup> Except secondary jobs in agricultural production, forestry, fishing, or private households

**Total employment by occupation and industry, 2000 and projected 2010 — Continued**

Computer software engineers, applications

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Industry	2000			2010			Employment change, 2000-10	
	Number	Per- cent of occu- pation	Per- cent of indus- try	Number	Per- cent of occu- pation	Per- cent of indus- try	Number	Percent
Search and navigation equipment .....	4,671	1.23	3.03	5,669	0.75	4.05	999	21.4
Measuring and controlling devices .....	5,799	1.53	1.92	7,914	1.04	2.64	2,115	36.5
Medical instruments and supplies .....	1,145	.30	.40	1,863	.25	.55	717	62.6
Photographic equipment and supplies .....	71	.02	.10	77	.01	.14	6	8.2
Miscellaneous manufacturing industries .....	514	.14	.13	691	.09	.18	177	34.3
Toys and sporting goods .....	63	.02	.06	91	.01	.08	28	45.2
Manufactured products, nec .....	431	.11	.18	574	.08	.25	143	33.2
<b>Nondurable goods manufacturing .....</b>	<b>3,475</b>	<b>.91</b>	<b>.05</b>	<b>4,647</b>	<b>.61</b>	<b>.06</b>	<b>1,172</b>	<b>33.7</b>
Food and kindred products .....	322	.08	.02	339	.04	.02	17	5.2
Meat products .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Textile mill products .....	67	.02	.01	78	.01	.02	11	15.9
Weaving, finishing, yarn and thread mills .....	67	.02	.02	78	.01	.03	11	15.9
Apparel and other textile products .....	202	.05	.03	212	.03	.04	10	4.9
Apparel .....	202	.05	.05	212	.03	.07	10	4.9
Paper and allied products .....	346	.09	.05	418	.05	.07	72	20.8
Pulp, paper, and paperboard mills .....	341	.09	.17	411	.05	.23	70	20.6
Printing and publishing .....	1,910	.50	.12	2,622	.34	.17	713	37.3
Newspapers .....	350	.09	.08	452	.06	.10	102	29.0
Periodicals .....	141	.04	.09	151	.02	.09	10	6.8
Books .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Miscellaneous publishing .....	663	.17	.70	963	.13	.92	300	45.3
Commercial printing and business forms .....	91	.02	.02	118	.02	.02	27	29.8
Chemicals and allied products .....	346	.09	.03	528	.07	.05	182	52.8
Drugs .....	206	.05	.07	343	.05	.09	136	66.2
Soap, cleaners, and toilet goods .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Rubber and miscellaneous plastics products .....	258	.07	.03	427	.06	.04	168	65.2
Miscellaneous plastics products .....	232	.06	.03	390	.05	.04	158	68.2
<b>Transportation, communications, and utilities .....</b>	<b>7,917</b>	<b>2.08</b>	<b>.11</b>	<b>12,960</b>	<b>1.71</b>	<b>.16</b>	<b>5,043</b>	<b>63.7</b>
Transportation .....	1,247	.33	.03	2,274	.30	.04	1,027	82.3
Transportation by air .....	1,158	.30	.09	2,127	.28	.13	970	83.7
Air carriers .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Airports, flying fields, and services .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Communications .....	5,005	1.32	.31	8,242	1.08	.43	3,237	64.7
Telephone communications .....	3,959	1.04	.35	6,356	.84	.50	2,398	60.6
Telegraph and communication services, nec .....	387	.10	1.14	596	.08	1.60	209	54.1
Radio and television broadcasting .....	161	.04	.06	250	.03	.09	89	55.4
Cable and other pay TV services .....	499	.13	.23	1,041	.14	.32	541	108.5
Electric, gas, and sanitary services .....	1,664	.44	.20	2,443	.32	.27	779	46.8
Electric services .....	904	.24	.25	1,151	.15	.36	247	27.3
Gas production and distribution .....	149	.04	.12	197	.03	.16	48	31.8
Combination utility services .....	224	.06	.15	284	.04	.21	60	26.6
Water supply and sanitary services .....	387	.10	.18	811	.11	.26	425	109.9
<b>Wholesale trade .....</b>	<b>10,668</b>	<b>2.81</b>	<b>.15</b>	<b>16,027</b>	<b>2.11</b>	<b>.21</b>	<b>5,359</b>	<b>50.2</b>
Machinery, equipment, and supplies .....	565	.15	.07	838	.11	.09	273	48.3
Petroleum and petroleum products .....	76	.02	.05	116	.02	.07	39	51.4
Wholesale trade, other .....	9,984	2.63	.22	15,010	1.97	.29	5,027	50.3
<b>Retail trade .....</b>	<b>2,807</b>	<b>.74</b>	<b>.01</b>	<b>4,530</b>	<b>.60</b>	<b>.02</b>	<b>1,723</b>	<b>61.4</b>
General merchandise stores .....	889	.23	.03	1,323	.17	.04	434	48.9
Department stores .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Furniture and homefurnishings stores .....	1,257	.33	.11	2,115	.28	.16	858	68.3
Appliance, radio, TV, and music stores .....	1,253	.33	.23	2,109	.28	.31	856	68.3
Miscellaneous retail stores .....	624	.16	.02	1,041	.14	.03	417	66.8
Miscellaneous shopping goods stores .....	428	.11	.04	675	.09	.05	246	57.5
Nonstore retailers .....	130	.03	.03	266	.04	.05	136	104.2
<b>Finance, insurance, and real estate .....</b>	<b>23,155</b>	<b>6.09</b>	<b>.31</b>	<b>35,204</b>	<b>4.63</b>	<b>.43</b>	<b>12,049</b>	<b>52.0</b>
Depository institutions .....	3,312	.87	.16	4,567	.60	.23	1,255	37.9
Banking and closely related functions, nec .....	288	.08	.19	428	.06	.27	140	48.5

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Commercial banks, savings institutions, and credit unions .....	3,024	0.80	0.16	4,139	0.54	0.23	1,116	36.9
Nondepository institutions .....	1,962	.52	.29	3,125	.41	.39	1,163	59.3
Federal and business credit institutions .....	1,052	.28	.64	1,648	.22	.83	596	56.6
Personal credit institutions .....	161	.04	.08	252	.03	.10	91	56.7
Mortgage bankers and brokers .....	749	.20	.24	1,225	.16	.35	476	63.6
Security and commodity brokers, exchanges, and services .....	7,621	2.01	1.02	12,434	1.64	1.38	4,813	63.2
Security and commodity brokers and dealers .....	5,191	1.37	.91	8,437	1.11	1.25	3,246	62.5
Security and commodity exchanges and services .....	2,430	.64	1.35	3,997	.53	1.78	1,567	64.5
Insurance carriers .....	8,140	2.14	.51	11,797	1.55	.72	3,658	44.9
Life insurance .....	2,927	.77	.61	3,842	.51	.85	915	31.3
Medical service and health insurance .....	2,771	.73	.73	4,331	.57	.98	1,560	56.3
Fire, marine, and casualty insurance .....	2,260	.59	.41	3,362	.44	.60	1,103	48.8
Pension funds and insurance, nec .....	182	.05	.10	262	.03	.15	80	44.1
Insurance agents, brokers, and service .....	347	.09	.05	538	.07	.06	191	55.1
Holding and other investment offices .....	1,742	.46	.69	2,688	.35	.95	946	54.3
<b>Services .....</b>	<b>240,056</b>	<b>63.18</b>	<b>.47</b>	<b>557,049</b>	<b>73.29</b>	<b>.87</b>	<b>316,993</b>	<b>132.0</b>
Business services .....	199,895	52.61	2.03	485,839	63.92	3.26	285,944	143.0
Advertising .....	1,170	.31	.39	2,128	.28	.53	958	81.9
Mailing, reproduction, and stenographic services .....	1,641	.43	.50	2,761	.36	.74	1,119	68.2
Personnel supply services .....	2,751	.72	.07	5,449	.72	.09	2,698	98.1
Computer and data processing services .....	193,810	51.01	9.25	474,390	62.41	12.16	280,580	144.8
Miscellaneous business services .....	492	.13	.03	1,072	.14	.04	580	117.9
Miscellaneous repair services .....	144	.04	.04	237	.03	.06	93	64.9
Miscellaneous repair shops .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Motion pictures .....	835	.22	.14	1,531	.20	.23	696	83.3
Motion picture production and distribution .....	827	.22	.29	1,520	.20	.41	693	83.8
Amusement and recreation services .....	73	.02	.00	143	.02	.01	70	95.3
Miscellaneous amusement and recreation services .....	53	.01	.00	110	.01	.01	57	105.8
Health services .....	7,109	1.87	.06	11,393	1.50	.08	4,284	60.3
Offices of physicians including osteopaths .....	496	.13	.03	1,048	.14	.04	552	111.3
Offices of other health practitioners .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Nursing and personal care facilities .....	63	.02	.00	105	.01	.00	42	66.9
Hospitals, public and private .....	5,799	1.53	.12	8,698	1.14	.16	2,899	50.0
Medical and dental laboratories .....	192	.05	.09	354	.05	.13	162	84.4
Home health care services .....	57	.02	.01	131	.02	.01	74	129.7
Health and allied services, nec .....	347	.09	.10	740	.10	.13	393	113.5
Legal services .....	1,433	.38	.14	2,945	.39	.22	1,512	105.5
Educational services, public and private .....	2,430	.64	.02	3,707	.49	.03	1,277	52.5
Social services .....	336	.09	.01	636	.08	.02	300	89.4
Individual and miscellaneous social services .....	168	.04	.02	285	.04	.02	117	69.9
Job training and related services .....	65	.02	.02	119	.02	.02	54	82.7
Residential care .....	84	.02	.01	194	.03	.01	109	129.7
Engineering and management services .....	27,497	7.24	.80	50,069	6.59	1.07	22,572	82.1
Engineering and architectural services .....	11,450	3.01	1.13	20,217	2.66	1.52	8,766	76.6
Accounting, auditing, and bookkeeping .....	3,480	.92	.52	6,049	.80	.68	2,569	73.8
Research and testing services .....	4,780	1.26	.74	8,855	1.17	1.00	4,075	85.3
Management and public relations .....	7,787	2.05	.71	14,948	1.97	.96	7,161	92.0
Services, nec .....	221	.06	.44	426	.06	.62	205	92.7
<b>Government, except State and Local education and hospitals .....</b>	<b>16,017</b>	<b>4.22</b>	<b>.16</b>	<b>19,651</b>	<b>2.59</b>	<b>.18</b>	<b>3,635</b>	<b>22.7</b>
Federal government, except Postal Service .....	7,874	2.07	.41	7,327	.96	.41	-547	-6.9
State government, except education and hospitals .....	5,243	1.38	.22	7,904	1.04	.29	2,661	50.8
Local government, except education and hospitals .....	2,900	.76	.06	4,420	.58	.08	1,520	52.4

<sup>1</sup> Data are suppressed to protect confidentiality