

Department of Workforce Development

# Regional LMI Profile Series

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## Massachusetts Occupational Employment Distribution by Industry Volume 1 of 6: All jobs across all Industries

Report #4B  
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# Acknowledgements

Creation of the Regional LMI Profiles was an initiative of the Interagency Workgroup for Regional Profiles under the auspices of the Massachusetts Department of Workforce Development and the Massachusetts Workforce Investment Board (MWIB).

This report, the fourth in an expanded Regional LMI Profiles Series, is a comprehensive two-part, eleven-volume resource guide on industry and occupational staffing patterns in Massachusetts.

The Regional LMI Profiles provide comprehensive timely data and information for the state and sixteen workforce areas. They give state and local policy makers tools to better assess the dynamics of Massachusetts' many local economies and to compare and contrast the economic performance of our state's varied regions.

Production of this report required the efforts of many individuals. Susan Lawler, Commissioner of the Division of Career Services, and Marilyn Boyle, Director of Systems Development and Economic Analysis, provided overall guidance and support for this project. This report was prepared by economists Cathy Foley and Marvin Gorenstein, under the direction of Elliot Winer. Thanks to Rena Kottcamp and Ron Maranian for providing the data files in a useable format. The creative talents of Yean-Ai Long and Elaine Goldman, who provided design support and technical assistance on the formatting of the report, are very much appreciated. Thanks as well to Jeff Cappello and Sonny Vo for their work in the final production and printing of the reports.

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# Preface

*Massachusetts Occupational Employment Distribution by Industry* is based on the Occupational Employment Statistics (OES) Survey, conducted semiannually by the Massachusetts Department of Workforce Development (DWD) under the auspices of the United States Bureau of Labor Statistics (BLS).

The current release includes data collected during a 3-year period ending in 2003. It was compiled and produced by the Economic Analysis Office of the Department of Workforce Development's Division of Career Services. A companion series – *Massachusetts Industry Staffing Patterns* – uses the same data to profile industries, i.e., presents the data in an industry-by-occupation format.

If you have any questions regarding *Massachusetts Occupational Employment Distribution by Industry*, please contact:

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# Introduction

*Massachusetts Occupational Employment Distribution by Industry* – which reflects the unique mix of occupations and industries in Massachusetts – is a tabulation of employment levels sorted first by occupation and then by industry. Figure 1 shows, for example, that:

- 390 computer programmers worked for newspaper, periodical, book and directory publishers; and 810 computer programmers worked for software publishers.
- 3.1 percent of all employed computer programmers worked for newspaper, periodical, book and directory publishers; and 6.5 percent of all employed computer programmers worked for software publishers.

SOC 15-1021		Computer Programmers		
NAICS	Title	Jobs	Percent	
5111	Newspaper, Periodical, Book, and Directory Publishers	390	3.1	
5112	Software Publishers	810	6.5	

Figure 1. Sample Occupational Profile

Breaking down jobs by occupation and industry helps to:

- Identify the industries that employ the most workers in particular occupations
- Track the effect of technological changes on the demand for workers by occupation and industry
- Create and evaluate job training programs
- Foster job development

Based on survey responses submitted by more than 28,000 employers, *Massachusetts Occupational Employment Distribution by Industry* is an important tool for analysts because it eliminates the need to extrapolate occupational profiles from national statistics. State and national profiles often differ significantly.

The data in this 6-volume set includes:

- Every occupation in which at least 100 Massachusetts workers are engaged
- Every industry that employs at least 1,000 workers in Massachusetts
- Every occupational/industry stratum (e.g., the number of lawyers working in the legal services industry) whose occupational percentage (e.g., the number of lawyers working in the legal services industry divided by the overall number of employed lawyers) equals or exceeds 1 percent

Two systems are used to classify the 639 occupations and 347 industries covered by the present publication:

- The Standard Occupational Classification (SOC) System. Bureau of Labor Statistics (BLS). U.S. Department of Labor. 2000.
- The North American Industry Classification System (NAICS). U.S. Census Bureau. 2002.

Volume 1 of *Massachusetts Occupational Employment Distribution by Industry* breaks down the state's jobs:

- by occupation
- by major industry sectors and by occupation

Volumes 2 through 5 break down the state's jobs:

- by 2-digit NAICS code and by occupation
- by 3-digit NAICS code and by occupation
- by 4-digit NAICS code and by occupation

For a handy synopsis of the data contained in this series, see the tables starting on page XI.

# How to Read the Data

Occupational profiles are listings of industries and employment levels by occupation. Figure 2 shows the layout used to present this data in *Massachusetts Occupational Employment Distribution by Industry*:

SOC 23-2000		Legal Support Workers		
NAICS Code	NAICS Title	2003 Jobs	Percent	
52	Finance and Insurance	440	5.5	
524	Insurance Carriers and Related Activities	210	2.7	
5241	Insurance Carriers	140	1.7	

Figure 2. Sample Profile

Occupations, shown at the top of each page, are sorted by SOC code. Industries, listed vertically below occupations, are sorted by NAICS code.

The example above indicates that:

- 140 legal support workers were employed by insurance carriers in Massachusetts in 2003.
- 1.7 percent of all legal support workers employed in Massachusetts in 2003 worked for insurance carriers.

Two- and three-digit NAICS codes are rollups – i.e., subtotals. Every worker in code 5241, for example, is included in code 524; and every worker in code 524 is included in code 52.

Care must be taken not to inflate job counts by including rollups. Adding code 524 to code 5241 in the example above will cause the jobs in code 5241 to be counted twice.

The same warning applies to SOC codes. SOC code 23-2000, for example, includes codes 23-2011, 23-2091 and 23-2092 as shown in Figure 3:

<b>SOC</b>	<b>SOC Title</b>	<b>2003 Jobs</b>
23-2000	Legal Support Workers	7,860
23-2011	Paralegals and Legal Assistants	6,300
23-2091	Court Reporters	300
23-2092	Specialty Trade Contractors	330

Figure 3. Hierarchy of Occupations

Adding code 23-2000 to code 23-2011, 23-2091 or 23-2092 will cause jobs to be counted twice.



# Tables

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**Table 1 Massachusetts Jobs by Major Occupational Group and Major Industry Sector**

SOC Codes 11-000 through 19-000	Management, Professional, and Related Occupations					
	00-0000	11-0000	13-0000	15-0000	17-0000	19-0000
	Total, All Occupations	Management	Business & Financial Operations	Computer and Mathematical	Architecture & Engineering	Life, Physical, & Social Science
<b>Total all Industries</b>	3,136,890	234,010	132,960	114,130	60,100	38,300
<b>Total Goods-Producing Industries</b>	466,030	40,320	15,280	14,670	33,730	4,750
Natural Resources & Mining	3,020	250				
Construction	136,900	10,500	3,760	120	1,470	360
Manufacturing	326,110	29,570	11,460	14,530	32,230	4,320
<b>Total Service-Providing Industries*</b>	2,670,860	193,690	117,680	99,460	26,370	33,550
Trade, Transportation, & Utilities	572,010	27,650	8,810	6,880	4,320	1,300
Information	91,160	10,560	4,530	17,770	1,400	1,110
Financial Activities	220,930	35,480	33,610	14,260	300	1,340
Professional & Business Services	439,570	42,130	39,870	49,150	15,200	12,720
Education & Health Services*	729,920	41,030	11,320	7,730	550	11,990
Leisure & Hospitality	287,770	14,880	1,200	140		
Other Services (Exc. Govt)	116,660	8,760	2,160	690	440	480
Government**	212,840	13,190	16,190	2,850	4,130	4,530

SOC Codes 21-000 through 29-000	Management, Professional, and Related Occupations					
	00-0000	21-0000	23-0000	25-0000	2-0000	29-0000
	Total, All Occupations	Community and Social Services	Legal	Education, Training, & Library	Arts, Design, Entertainment, Sports, & Media	Healthcare Practitioners & Technical
<b>Total all Industries</b>	3,136,890	50,370	33,980	195,670	40,380	178,920
<b>Total Goods-Producing Industries</b>	466,030		250	110	2,600	490
Natural Resources & Mining	3,020					250
Construction	136,900					
Manufacturing	326,110		240	110	2,480	200
<b>Total Service-Providing Industries*</b>	2,670,860	50,360	33,730	195,560	37,780	178,430
Trade, Transportation, & Utilities	572,010		700	200	4,380	1,820
Information	91,160		150	580	9,220	
Financial Activities	220,930	270	1,480		1,060	890
Professional & Business Services	439,570	1,820	25,090	1,770	11,160	6,230
Education & Health Services*	729,920	33,460	440	179,950	5,470	161,120
Leisure & Hospitality	287,770			1,390	4,050	130
Other Services (Exc. Govt)	116,660	3,950	140	4,050	1,890	460
Government**	212,840	10,770	5,720	7,550	560	7,750

\*includes state and local hospitals and schools

\*\*excludes state and local hospitals and schools

Table 1 (continued)

SOC Codes 31-000 through 43-000	Service, Sales and Office Occupations							
	00-0000	31-0000	33-0000	35-0000	37-0000	39-0000	41-0000	43-0000
	Total, All Occupations	Healthcare Support	Protective Service	Food Preparation & Serving Related	Building and Grounds Cleaning & Maintenance	Personal Care & Service	Sales & Related	Office & Administrative Support
<b>Total all Industries</b>	3,136,890	84,050	61,400	253,930	125,020	72,820	311,200	568,380
<b>Total Goods-Producing Industries</b>	466,030	190	680	2,750	2,880	230	14,890	53,130
Natural Resources & Mining	3,020					210		430
Construction	136,900				910		2,170	13,380
Manufacturing	326,110		620	2,740	1,930		12,640	39,330
<b>Total Service- Providing Industries*</b>	2,670,860	83,860	60,720	251,180	122,140	72,600	296,310	515,260
Trade, Transportation, & Utilities	572,010	410	1,160	13,380	3,370	4,830	228,950	114,150
Information	91,160				170		8,660	21,850
Financial Activities	220,930	640	940	1,230	4,230	900	20,640	93,740
Professional & Business Services	439,570	3,950	2,280	2,460	49,030	2,770	18,610	104,180
Education & Health Services*	729,920	69,160	5,760	25,000	28,200	21,660	1,790	105,980
Leisure & Hospitality	287,770		2,550	204,040	19,150	7,260	10,660	11,020
Other Services (Exc. Govt)	116,660	1,600	980	4,240	12,590	32,400	6,040	13,480
Government**	212,840	8,090	47,030	770	5,400	2,700	960	50,860

SOC Codes 45-000 through 53-000	Construction, Maintenance, and Repair; Production Occupations					
	00-0000	45-0000	47-0000	49-0000	51-0000	53-0000
	Total, All Occupations	Farming, Fishing, & Forestry	Construction & Extraction	Installation, Maintenance, & Repair	Production	Transportation & Material Moving
<b>Total all Industries</b>	3,136,890	2,240	113,720	99,590	196,450	169,260
<b>Total Goods-Producing Industries</b>	466,030	350	91,590	17,540	141,820	27,770
Natural Resources & Mining	3,020		340	110	190	730
Construction	136,900		87,940	6,120	2,790	7,170
Manufacturing	326,110	270	3,320	11,310	138,840	19,870
<b>Total Service-Providing Industries*</b>	2,670,860	1,880	22,120	82,050	54,630	141,500
Trade, Transportation, & Utilities	572,010	1,380	2,290	33,990	18,430	93,630
Information	91,160			11,050	2,730	1,160
Financial Activities	220,930		1,080	5,680	280	2,770
Professional & Business Services	439,570		6,360	6,610	15,700	22,410
Education & Health Services*	729,920		2,570	6,150	3,460	7,040
Leisure & Hospitality	287,770		240	4,150	2,580	4,120
Other Services (Exc. Govt)	116,660		550	7,000	8,860	5,840
Government**	212,840	220	9,010	7,430	2,600	4,520

\*includes state and local hospitals and schools \*\*excludes state and local hospitals and schools

**Table 2 Percent Distribution of Massachusetts Jobs by Major Occupational Group and Major Industry Sector**

SOC Codes 11-000 through 19-000	Major Occupational Group					
	00-0000	11-0000	13-0000	15-0000	17-0000	19-0000
	Total, All Occupations	Management	Business & Financial Operations	Computer and Mathematical	Architecture & Engineering	Life, Physical, & Social Science
<b>Total all Industries</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<b>Total Goods-Producing Industries</b>	14.9%	17.2%	11.5%	12.9%	56.1%	12.4%
Natural Resources & Mining	0.1%	0.1%				
Construction	4.4%	4.5%	2.8%	0.1%	2.4%	0.9%
Manufacturing	10.4%	12.6%	8.6%	12.7%	53.6%	11.3%
<b>Total Service-Providing Industries*</b>	85.1%	82.8%	88.5%	87.1%	43.9%	87.6%
Trade, Transportation, & Utilities	18.2%	11.8%	6.6%	6.0%	7.2%	3.4%
Information	2.9%	4.5%	3.4%	15.6%	2.3%	2.9%
Financial Activities	7.0%	15.2%	25.3%	12.5%	0.5%	3.5%
Professional & Business Services	14.0%	18.0%	30.0%	43.1%	25.3%	33.2%
Education & Health Services*	23.3%	17.5%	8.5%	6.8%	0.9%	31.3%
Leisure & Hospitality	9.2%	6.4%	0.9%	0.1%		
Other Services (Exc. Govt)	3.7%	3.7%	1.6%	0.6%	0.7%	1.3%
Government**	6.8%	5.6%	12.2%	2.5%	6.9%	11.8%

SOC Codes 21-000 through 29-000	Major Occupational Group					
	00-0000	21-0000	23-0000	25-0000	27-0000	29-0000
	Total, All Occupations	Community and Social Services	Legal	Education, Training, & Library	Arts, Design, Entertainment, Sports, & Media	Healthcare Practitioners & Technical
<b>Total all Industries</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<b>Total Goods-Producing Industries</b>	14.9%		0.7%	0.1%	6.4%	0.3%
Natural Resources & Mining	0.1%					0.1%
Construction	4.4%					
Manufacturing	10.4%		0.7%	0.1%	6.1%	0.1%
<b>Total Service-Providing Industries*</b>	85.1%	100.0%	99.3%	99.9%	93.6%	99.7%
Trade, Transportation, & Utilities	18.2%		2.1%	0.1%	10.8%	1.0%
Information	2.9%		0.4%	0.3%	22.8%	
Financial Activities	7.0%	0.5%	4.4%		2.6%	0.5%
Professional & Business Services	14.0%	3.6%	73.8%	0.9%	27.6%	3.5%
Education & Health Services*	23.3%	66.4%	1.3%	92.0%	13.5%	90.1%
Leisure & Hospitality	9.2%			0.7%	10.0%	0.1%
Other Services (Exc. Govt)	3.7%	7.8%	0.4%	2.1%	4.7%	0.3%
Government**	6.8%	21.4%	16.8%	3.9%	1.4%	4.3%

\*includes state and local hospitals and schools \*\*excludes state and local hospitals and schools

Table 2 (continued)

SOC Codes 31-000 through 43-000	Service, Sales and Office Occupations							
	00-0000	31-0000	33-0000	35-0000	37-0000	39-0000	41-0000	43-0000
	Total, All Occupations	Healthcare Support	Protective Service	Food Preparation & Serving Related	Building and Grounds Cleaning & Maintenance	Personal Care & Service	Sales & Related	Office & Administrative Support
<b>Total all Industries</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<b>Total Goods-Producing Industries</b>	14.9%	0.2%	1.1%	1.1%	2.3%	0.3%	4.8%	9.3%
Natural Resources & Mining	0.1%					0.3%		0.1%
Construction	4.4%				0.7%		0.7%	2.4%
Manufacturing	10.4%		1.0%	1.1%	1.5%		4.1%	6.9%
<b>Total Service-Providing Industries*</b>	85.1%	99.8%	98.9%	98.9%	97.7%	99.7%	95.2%	90.7%
Trade, Transportation, & Utilities	18.2%	0.5%	1.9%	5.3%	2.7%	6.6%	73.6%	20.1%
Information	2.9%				0.1%		2.8%	3.8%
Financial Activities	7.0%	0.8%	1.5%	0.5%	3.4%	1.2%	6.6%	16.5%
Professional & Business Services	14.0%	4.7%	3.7%	1.0%	39.2%	3.8%	6.0%	18.3%
Education & Health Services*	23.3%	82.3%	9.4%	9.8%	22.6%	29.7%	0.6%	18.6%
Leisure & Hospitality	9.2%		4.2%	80.4%	15.3%	10.0%	3.4%	1.9%
Other Services (Exc. Govt)	3.7%	1.9%	1.6%	1.7%	10.1%	44.5%	1.9%	2.4%
Government**	6.8%	9.6%	76.6%	0.3%	4.3%	3.7%	0.3%	8.9%

SOC Codes 45-000 through 53-000	Construction, Maintenance, and Repair; Production Occupations					
	00-0000	45-0000	47-0000	49-0000	51-0000	53-0000
	Total, All Occupations	Farming, Fishing, & Forestry	Construction & Extraction	Installation, Maintenance, & Repair	Production	Transportation & Material Moving
<b>Total all Industries</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<b>Total Goods-Producing Industries</b>	14.9%	15.6%	80.5%	17.6%	72.2%	16.4%
Natural Resources & Mining	0.1%		0.3%	0.1%	0.1%	0.4%
Construction	4.4%		77.3%	6.1%	1.4%	4.2%
Manufacturing	10.4%	12.1%	2.9%	11.4%	70.7%	11.7%
<b>Total Service-Providing Industries*</b>	85.1%	83.9%	19.5%	82.4%	27.8%	83.6%
Trade, Transportation, & Utilities	18.2%	61.6%	2.0%	34.1%	9.4%	55.3%
Information	2.9%			11.1%	1.4%	0.7%
Financial Activities	7.0%		0.9%	5.7%	0.1%	1.6%
Professional & Business Services	14.0%		5.6%	6.6%	8.0%	13.2%
Education & Health Services*	23.3%		2.3%	6.2%	1.8%	4.2%
Leisure & Hospitality	9.2%		0.2%	4.2%	1.3%	2.4%
Other Services (Exc. Govt)	3.7%		0.5%	7.0%	4.5%	3.5%
Government**	6.8%	9.8%	7.9%	7.5%	1.3%	2.7%

\*includes state and local hospitals and schools \*\*excludes state and local hospitals and schools

# SOC 00-0000 Total, All Occupations

NAICS Code	NAICS TITLE	2003 Jobs	Percent
00	Total Employment, All Industries	3,136,890	100.0
11	Agriculture, Forestry, Fishing and Hunting.....	1,260	0.0
115	Support Activities for Agriculture and Forestry.....	1,180	0.0
21	Mining.....	1,760	0.1
212	Mining (except Oil and Gas).....	1,670	0.1
2123	Nonmetallic Mineral Mining and Quarrying.....	1,670	0.1
22	Utilities.....	10,590	0.3
221	Utilities.....	10,590	0.3
2211	Electric Power Generation, Transmission and Distribution.....	7,280	0.2
2212	Natural Gas Distribution.....	2,660	0.1
2213	Water, Sewage and Other Systems.....	650	0.0
23	Construction.....	136,900	4.4
236	Construction of Buildings.....	30,910	1.0
2361	Residential Building Construction.....	17,720	0.6
2362	Nonresidential Building Construction.....	13,190	0.4
237	Heavy and Civil Engineering Construction.....	14,870	0.5
2371	Utility System Construction.....	5,350	0.2
2372	Land Subdivision.....	1,200	0.0
2373	Highway, Street, and Bridge Construction.....	7,020	0.2
2379	Other Heavy and Civil Engineering Construction.....	1,300	0.0
238	Specialty Trade Contractors.....	91,120	2.9
2381	Foundation, Structure, and Building Exterior Contractors.....	14,900	0.5
2382	Building Equipment Contractors.....	43,850	1.4
2383	Building Finishing Contractors.....	19,690	0.6
2389	Other Specialty Trade Contractors.....	12,680	0.4
31	Manufacturing.....	326,110	10.4
311	Food Manufacturing.....	22,410	0.7
3113	Sugar and Confectionery Product Manufacturing.....	1,940	0.1
3114	Fruit and Vegetable Preserving and Specialty Food Manufacturing.....	1,450	0.0
3115	Dairy Product Manufacturing.....	2,930	0.1
3116	Animal Slaughtering and Processing.....	2,140	0.1
3117	Seafood Product Preparation and Packaging.....	2,380	0.1
3118	Bakeries and Tortilla Manufacturing.....	8,790	0.3
3119	Other Food Manufacturing.....	2,110	0.1
312	Beverage and Tobacco Product Manufacturing.....	2,730	0.1
3121	Beverage Manufacturing.....	2,720	0.1
313	Textile Mills.....	9,830	0.3
3131	Fiber, Yarn, and Thread Mills.....	1,050	0.0
3132	Fabric Mills.....	4,950	0.2
3133	Textile and Fabric Finishing and Fabric.....	3,830	0.1
314	Textile Product Mills.....	3,070	0.1
3141	Textile Furnishings Mills.....	1,590	0.1
3149	Other Textile Product Mills.....	1,480	0.0
315	Apparel Manufacturing.....	4,410	0.1
3152	Cut and Sew Apparel Manufacturing.....	3,710	0.1

## SOC 00-0000 Total, All Occupations

NAICS Code	NAICS TITLE	2003 Jobs	Percent
316	Leather and Allied Product Manufacturing.....	2,280	0.1
3162	Footwear Manufacturing.....	1,260	0.0
3169	Other Leather and Allied Product Manufacturing.....	910	0.0
321	Wood Product Manufacturing.....	2,960	0.1
3219	Other Wood Product Manufacturing.....	2,410	0.1
322	Paper Manufacturing.....	14,980	0.5
3221	Pulp, Paper, and Paperboard Mills.....	3,380	0.1
3222	Converted Paper Product Manufacturing.....	11,600	0.4
323	Printing and Related Support Activities.....	16,360	0.5
3231	Printing and Related Support Activities.....	16,360	0.5
324	Petroleum and Coal Products Manufacturing.....	1,210	0.0
3241	Petroleum and Coal Products Manufacturing.....	1,210	0.0
325	Chemical Manufacturing.....	18,520	0.6
3251	Basic Chemical Manufacturing.....	1,080	0.0
3252	Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing.....	2,090	0.1
3254	Pharmaceutical and Medicine Manufacturing.....	8,820	0.3
3255	Paint, Coating, and Adhesive Manufacturing.....	2,310	0.1
3256	Soap, Cleaning Compound, and Toilet Preparation Manufacturing.....	1,360	0.0
3259	Other Chemical Product and Preparation Manufacturing.....	2,760	0.1
326	Plastics and Rubber Products Manufacturing.....	17,530	0.6
3261	Plastics Product Manufacturing.....	15,350	0.5
3262	Rubber Product Manufacturing.....	2,180	0.1
327	Nonmetallic Mineral Product Manufacturing.....	6,530	0.2
3271	Clay Product and Refractory Manufacturing.....	1,110	0.0
3272	Glass and Glass Product Manufacturing.....	1,350	0.0
3273	Cement and Concrete Product Manufacturing.....	2,020	0.1
3279	Other Nonmetallic Mineral Product Manufacturing.....	2,050	0.1
331	Primary Metal Manufacturing.....	5,450	0.2
3312	Steel Product Manufacturing from Purchased Steel.....	560	0.0
3314	Nonferrous Metal (except Aluminum) Production and Processing.....	3,050	0.1
3315	Foundries.....	1,380	0.0
332	Fabricated Metal Product Manufacturing.....	36,830	1.2
3321	Forging and Stamping.....	2,840	0.1
3322	Cutlery and Handtool Manufacturing.....	5,950	0.2
3323	Architectural and Structural Metals.....	6,280	0.2
3324	Boiler, Tank, and Shipping Container Manufacturing.....	990	0.0
3326	Spring and Wire Product Manufacturing.....	1,050	0.0
3327	Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing.....	10,180	0.3
3328	Coating, Engraving, Heat Treating, and Allied Activities.....	3,910	0.1
3329	Other Fabricated Metal Product Manufacturing.....	5,080	0.2
333	Machinery Manufacturing.....	22,600	0.7
3332	Industrial Machinery Manufacturing.....	5,520	0.2
3333	Commercial and Service Industry Machinery Manufacturing.....	4,660	0.1
3334	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing.....	1,300	0.0
3335	Metalworking Machinery Manufacturing.....	4,270	0.1
3336	Engine, Turbine, and Power Transmission Equipment Manufacturing.....	1,390	0.0
3339	Other General Purpose Machinery Manufacturing.....	5,170	0.2
334	Computer and Electronic Product Manufacturing.....	78,560	2.5

# SOC 00-0000 Total, All Occupations

NAICS Code	NAICS TITLE	2003 Jobs	Percent
3341	Computer and Peripheral Equipment Manufacturing.....	16,340	0.5
3342	Communications Equipment Manufacturing.....	7,700	0.2
3344	Semiconductor and Other Electronic Component Manufacturing.....	20,810	0.7
3345	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing.....	29,630	0.9
3346	Manufacturing and Reproducing Magnetic and Optical Media.....	1,140	0.0
335	Electrical Equipment, Appliance, and Component Manufacturing.....	12,240	0.4
3351	Electric Lighting Equipment Manufacturing.....	2,350	0.1
3353	Electrical Equipment Manufacturing.....	5,820	0.2
3359	Other Electrical Equipment and Component Manufacturing.....	3,850	0.1
336	Transportation Equipment Manufacturing.....	14,620	0.5
3363	Motor Vehicle Parts Manufacturing.....	1,150	0.0
3364	Aerospace Product and Parts Manufacturing.....	12,390	0.4
337	Furniture and Related Product Manufacturing.....	5,990	0.2
3371	Household and Institutional Furniture.....	3,550	0.1
3372	Office Furniture (including Fixtures) Manufacturing.....	1,410	0.0
3379	Other Furniture Related Product Manufacturing.....	1,030	0.0
339	Miscellaneous Manufacturing.....	27,000	0.9
3391	Medical Equipment and Supplies Manufacturing.....	13,090	0.4
3399	Other Miscellaneous Manufacturing.....	13,910	0.4
42	Wholesale Trade.....	135,270	4.3
423	Merchant Wholesalers, Durable Goods.....	66,020	2.1
4231	Motor Vehicle and Motor Vehicle Parts and Supplies Merchant Wholesalers.....	5,150	0.2
4232	Furniture and Home Furnishing Merchant Wholesalers.....	2,290	0.1
4233	Lumber and Other Construction Materials Merchant Wholesalers.....	5,810	0.2
4234	Professional and Commercial Equipment and Supplies Merchant Wholesalers.....	22,280	0.7
4235	Metal and Mineral (except Petroleum) Merchant Wholesalers.....	1,800	0.1
4236	Electrical and Electronic Goods Merchant Wholesalers.....	10,330	0.3
4237	Hardware, and Plumbing and Heating Equipment and Supplies Merchant Wholesalers.....	4,770	0.2
4238	Machinery, Equipment, and Supplies Merchant Wholesalers.....	9,570	0.3
4239	Miscellaneous Durable Goods Merchant Wholesalers.....	4,020	0.1
424	Merchant Wholesalers, Nondurable Goods.....	47,040	1.5
4241	Paper and Paper Product Merchant Wholesalers.....	5,050	0.2
4242	Drugs and Druggists' Sundries Merchant Wholesalers.....	5,840	0.2
4243	Apparel, Piece Goods, and Notions Merchant Wholesalers.....	6,290	0.2
4244	Grocery and Related Product Wholesalers.....	15,690	0.5
4246	Chemical and Allied Products Merchant Wholesalers.....	2,300	0.1
4247	Petroleum and Petroleum Products Merchant Wholesalers.....	1,470	0.0
4248	Beer, Wine, and Distilled Alcoholic Beverage Merchant Wholesalers.....	3,360	0.1
4249	Miscellaneous Nondurable Goods Merchant Wholesalers.....	6,810	0.2
425	Wholesale Electronic Markets and Agents and Brokers.....	22,210	0.7
4251	Wholesale Electronic Markets and Agents and Brokers.....	22,210	0.7
44	Retail Trade.....	354,680	11.3
441	Motor Vehicle and Parts Dealers.....	38,480	1.2
4411	Automobile Dealers.....	27,540	0.9
4412	Other Motor Vehicle Dealers.....	2,620	0.1
4413	Automotive Parts, Accessories, and Tire Stores.....	8,320	0.3
442	Furniture and Home Furnishings Stores.....	12,450	0.4
4421	Furniture Stores.....	5,480	0.2

# SOC 00-0000 Total, All Occupations

NAICS Code	NAICS TITLE	2003 Jobs	Percent
4422	Home Furnishings Stores.....	6,970	0.2
443	Electronics and Appliance Stores.....	12,500	0.4
4431	Electronics and Appliance Stores.....	12,500	0.4
444	Building Material and Garden Equipment and Supplies Dealers.....	26,960	0.9
4441	Building Material and Supplies Dealers.....	24,230	0.8
4442	Lawn and Garden Equipment and Supplies Stores.....	2,730	0.1
445	Food and Beverage Stores.....	90,440	2.9
4451	Grocery Stores.....	74,470	2.4
4452	Specialty Food Stores.....	7,290	0.2
4453	Beer, Wine, and Liquor Stores.....	8,680	0.3
446	Health and Personal Care Stores.....	26,820	0.9
4461	Health and Personal Care Stores.....	26,820	0.9
447	Gasoline Stations.....	12,390	0.4
4471	Gasoline Stations.....	12,390	0.4
448	Clothing and Clothing Accessories Stores.....	38,700	1.2
4481	Clothing Stores.....	30,390	1.0
4482	Shoe Stores.....	3,930	0.1
4483	Jewelry, Luggage, and Leather Goods Stores.....	4,380	0.1
451	Sporting Goods, Hobby, Book, and Music Stores.....	18,380	0.6
4511	Sporting Goods, Hobby, and Musical Instrument Stores.....	11,950	0.4
4512	Book, Periodical, and Music Stores.....	6,430	0.2
452	General Merchandise Stores.....	42,460	1.4
4521	Department Stores.....	33,030	1.1
4529	Other General Merchandise Stores.....	9,430	0.3
453	Miscellaneous Store Retailers.....	23,150	0.7
4531	Florists.....	3,130	0.1
4532	Office Supplies, Stationery, and Gift Stores.....	11,980	0.4
4533	Used Merchandise Stores.....	1,780	0.1
4539	Other Miscellaneous Store Retailers.....	6,260	0.2
454	Nonstore Retailers.....	11,950	0.4
4541	Electronic Shopping and Mail-Order Houses.....	4,410	0.1
4542	Vending Machine Operators.....	650	0.0
4543	Direct Selling Establishments.....	6,890	0.2
48	Transportation and Warehousing.....	71,470	2.3
481	Air Transportation.....	9,590	0.3
4811	Scheduled Air Transportation.....	9,270	0.3
483	Water Transportation.....	990	0.0
484	Truck Transportation.....	16,500	0.5
4841	General Freight Trucking.....	10,490	0.3
4842	Specialized Freight Trucking.....	6,010	0.2
485	Transit and Ground Passenger Transport.....	17,050	0.5
4851	Urban Transit Systems.....	1,210	0.0
4852	Interurban and Rural Bus Transportation.....	800	0.0
4853	Taxi and Limousine Service.....	3,140	0.1
4854	School and Employee Bus Transportation.....	8,430	0.3
4855	Charter Bus Industry.....	1,300	0.0
4859	Other Transit and Ground Passenger Transportation.....	2,170	0.1
487	Scenic and Sightseeing Transportation.....	1,140	0.0

## SOC 00-0000 Total, All Occupations

NAICS Code	NAICS TITLE	2003 Jobs	Percent
4872	Scenic and Sightseeing Transportation, Water.....	790	0.0
488	Support Activities for Transportation.....	5,930	0.2
4881	Support Activities for Air Transport.....	1,470	0.0
4884	Support Activities for Road Transportation.....	1,300	0.0
4885	Freight Transportation Arrangement.....	2,100	0.1
4889	Other Support Activities for Transport.....	530	0.0
4911	Postal Service.....	23,410	0.7
492	Couriers and Messengers.....	12,300	0.4
4922	Local Messengers and Local Delivery.....	690	0.0
493	Warehousing and Storage.....	7,850	0.3
4931	Warehousing and Storage.....	7,850	0.3
51	Information.....	91,160	2.9
511	Publishing Industries.....	42,070	1.3
5111	Newspaper, Periodical, Book, and Directory Publishers.....	22,670	0.7
5112	Software Publishers.....	19,400	0.6
512	Motion Picture and Sound Recording Industries.....	5,120	0.2
5121	Motion Picture and Video Industries.....	4,900	0.2
515	Broadcasting (except Internet).....	5,960	0.2
5151	Radio and Television Broadcasting.....	5,100	0.2
5152	Cable and Other Subscription Programming.....	860	0.0
516	Internet Publishing and Broadcasting.....	2,650	0.1
5161	Internet Publishing and Broadcasting.....	2,650	0.1
517	Telecommunications.....	24,110	0.8
5172	Wireless Telecommunications Carriers.....	2,890	0.1
5173	Telecommunications Resellers.....	900	0.0
5175	Cable and Other Program Distribution.....	5,770	0.2
518	Internet Service Providers, Web Search Portals, and Data Processing Services.....	9,990	0.3
5181	Internet Service Providers and Web Search Portals.....	2,850	0.1
5182	Data Processing, Hosting, and Related Services.....	7,140	0.2
519	Other Information Services.....	1,260	0.0
5191	Other Information Services.....	1,260	0.0
52	Finance and Insurance.....	176,470	5.6
522	Credit Intermediation and Related Activities.....	63,340	2.0
5221	Depository Credit Intermediation.....	50,080	1.6
5222	Nondepository Credit Intermediation.....	10,030	0.3
5223	Activities Related to Credit Intermediation.....	3,230	0.1
523	Securities, Commodity Contracts, and Other Financial Investments and Related Activities.....	47,390	1.5
5231	Securities and Commodity Contracts Intermediation and Brokerage.....	26,750	0.9
5239	Other Financial Investment Activities.....	20,620	0.7
524	Insurance Carriers and Related Activities.....	62,230	2.0
5241	Insurance Carriers.....	39,770	1.3
5242	Agencies, Brokerages, and Other Insurance Related Activities.....	22,460	0.7
525	Funds, Trusts, and Other Financial Vehicles.....	2,310	0.1
5259	Other Investment Pools and Funds.....	2,000	0.1
53	Real Estate and Rental and Leasing.....	44,460	1.4
531	Real Estate.....	30,410	1.0
5311	Lessors of Real Estate.....	9,590	0.3

## SOC 00-0000 Total, All Occupations

NAICS Code	NAICS TITLE	2003 Jobs	Percent
5312	Offices of Real Estate Agents and Brokers.....	10,900	0.3
5313	Activities Related to Real Estate.....	9,920	0.3
532	Rental and Leasing Services.....	13,610	0.4
5321	Automotive Equipment Rental and Leasing.....	4,310	0.1
5322	Consumer Goods Rental.....	6,200	0.2
5323	General Rental Centers.....	1,410	0.0
5324	Commercial and Industrial Machinery and Equipment Rental and Leasing.....	1,690	0.1
54	Professional, Scientific, and Technical Services.....	218,610	7.0
541	Professional, Scientific, and Technical Services.....	218,610	7.0
5411	Legal Services.....	31,420	1.0
5412	Accounting, Tax Preparation, Bookkeeping, and Payroll Services.....	18,920	0.6
5413	Architectural, Engineering, and Related Services.....	37,980	1.2
5414	Specialized Design Services.....	2,940	0.1
5415	Computer Systems Design and Related Services.....	43,020	1.4
5416	Management, Scientific, and Technical Consulting Services.....	30,320	1.0
5417	Scientific Research and Development Services.....	33,800	1.1
5418	Advertising and Related Services.....	10,950	0.3
5419	Other Professional, Scientific, and Technical Services.....	9,260	0.3
55	Management of Companies and Enterprises.....	64,820	2.1
551	Management of Companies and Enterprises.....	64,820	2.1
5511	Management of Companies and Enterprises.....	64,820	2.1
56	Administrative and Support and Waste Management and Remediation Services.....	156,140	5.0
561	Administrative and Support Services.....	147,400	4.7
5611	Office Administrative Services.....	8,870	0.3
5613	Employment Services.....	52,480	1.7
5614	Business Support Services.....	8,740	0.3
5615	Travel Arrangement and Reservation Services.....	6,660	0.2
5616	Investigation and Security Services.....	16,940	0.5
5617	Services to Buildings and Dwellings.....	47,550	1.5
5619	Other Support Services.....	5,630	0.2
562	Waste Management and Remediation Service.....	8,740	0.3
5621	Waste Collection.....	2,470	0.1
5622	Waste Treatment and Disposal.....	3,040	0.1
5629	Remediation and Other Waste Management Services.....	3,230	0.1
61	Educational Services.....	297,170	9.5
611	Educational Services.....	297,170	9.5
6111	Elementary and Secondary Schools.....	178,680	5.7
6112	Junior Colleges.....	8,690	0.3
6113	Colleges, Universities, and Professional Schools.....	95,610	3.0
6114	Business Schools and Computer and Management Training.....	2,170	0.1
6115	Technical and Trade Schools.....	2,080	0.1
6116	Other Schools and Instruction.....	8,000	0.3
6117	Educational Support Services.....	1,940	0.1
62	Health Care and Social Assistance.....	432,750	13.8
621	Ambulatory Health Care Services.....	121,050	3.9
6211	Offices of Physicians.....	46,060	1.5

# SOC 00-0000 Total, All Occupations

NAICS Code	NAICS TITLE	2003 Jobs	Percent
6212	Offices of Dentists.....	19,530	0.6
6213	Offices of Other Health Practitioners.....	11,550	0.4
6214	Outpatient Care Centers.....	15,040	0.5
6215	Medical and Diagnostic Laboratories.....	4,180	0.1
6216	Home Health Care Services.....	18,390	0.6
6219	Other Ambulatory Health Care Services.....	6,300	0.2
622	Hospitals.....	162,420	5.2
6221	General Medical and Surgical Hospitals.....	138,730	4.4
6222	Psychiatric and Substance Abuse Hospitals.....	8,950	0.3
6223	Specialty (except Psychiatric and Substance Abuse) Hospitals.....	14,740	0.5
623	Nursing and Residential Care Facilities.....	89,320	2.8
6231	Nursing Care Facilities.....	57,200	1.8
6232	Residential Mental Retardation, Mental Health and Substance Abuse Facilities.....	14,650	0.5
6233	Community Care Facilities for the Elderly.....	12,110	0.4
6239	Other Residential Care Facilities.....	5,360	0.2
624	Social Assistance.....	59,960	1.9
6241	Individual and Family Services.....	24,510	0.8
6242	Community Food and Housing, and Emergency and Other Relief Services.....	4,890	0.2
6243	Vocational Rehabilitation Services.....	8,780	0.3
6244	Child Day Care Services.....	21,780	0.7
71	Arts, Entertainment, and Recreation.....	45,490	1.5
711	Performing Arts, Spectator Sports, and Related Industries.....	8,400	0.3
7111	Performing Arts Companies.....	3,380	0.1
7112	Spectator Sports.....	2,410	0.1
7113	Promoters of Performing Arts, Sports, and Similar Events.....	2,040	0.1
712	Museums, Historical Sites, and Similar Institution.....	5,300	0.2
7121	Museums, Historical Sites, and Similar Institution.....	5,300	0.2
713	Amusement, Gambling, and Recreation Industries.....	31,790	1.0
7139	Other Amusement and Recreation Industries.....	30,370	1.0
72	Accommodation and Food Services.....	242,280	7.7
721	Accommodation.....	33,420	1.1
7211	Traveler Accommodation.....	31,800	1.0
7212	RV (Recreational Vehicle) Parks and Recreational Camps.....	1,070	0.0
7213	Rooming and Boarding Houses.....	550	0.0
722	Food Services and Drinking Places.....	208,860	6.7
7221	Full-Service Restaurants.....	105,210	3.4
7222	Limited-Service Eating Places.....	74,960	2.4
7223	Special Food Services.....	19,530	0.6
7224	Drinking Places (Alcoholic Beverages).....	9,160	0.3
81	Other Services (Except Government).....	116,660	3.7
811	Repair and Maintenance.....	27,440	0.9
8111	Automotive Repair and Maintenance.....	19,980	0.6
8112	Electronic and Precision Equipment Repair and Maintenance.....	3,230	0.1
8113	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Mainten	2,350	0.1
8114	Personal and Household Goods Repair and Maintenance.....	1,880	0.1
812	Personal and Laundry Services.....	35,520	1.1
8121	Personal Care Services.....	17,670	0.6

## SOC 00-0000 Total, All Occupations

NAICS Code	NAICS TITLE	2003 Jobs	Percent
8122	Death Care Services.....	2,580	0.1
8123	Drycleaning and Laundry Services.....	9,090	0.3
8129	Other Personal Services.....	6,180	0.2
813	Religious, Grantmaking, Civic, Professional, and Similar Organizations.....	34,750	1.1
8132	Grantmaking and Giving Services.....	2,540	0.1
8133	Social Advocacy Organizations.....	6,090	0.2
8134	Civic and Social Organizations.....	17,890	0.6
8139	Business, Professional, Labor, Political, and Similar Organizations.....	7,670	0.2
814	Private Households.....	18,950	0.6
8141	Private Households.....	18,950	0.6
90	Government.....	212,840	6.8
91	Federal Government.....	51,940	1.7
9199	Federal Government, Excluding Postal Service.....	28,530	0.9
92	State Government, Excluding Education and Hospitals.....	67,280	2.1
93	Local Government, Excluding Education and Hospitals.....	93,620	3.0



Commonwealth of Massachusetts  
Mitt Romney, Governor  
Kerry Healey, Lt. Governor  
Jane C. Edmonds, Director, Department of Workforce Development