

LMI Profile



Annual Profile for Massachusetts May 2010



Commonwealth of Massachusetts
Executive Office of Labor and
Workforce Development
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MassLMI
Labor Market Information

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Summary of Trends in Massachusetts

Profile of Unemployment Insurance Claimants

- A total of 137,617 individuals were collecting regular Unemployment Insurance in Massachusetts during March 2010, a much lower number than the 174,868 collecting one year earlier, with 32.9% collecting for at least 15 weeks.
- Among the UI claimants in the state, 30.2% earned less than \$500/week on their previous job. On the other hand, 30.7% of Massachusetts claimants had weekly wages in excess of \$1000/week.
- With regard to age, 44.6% of Massachusetts claimants in March 2010 were 45 years or older.
- The proportion of Bay State claimants that were high school dropouts was 10.6%. At the same time, the percentage of UI claimants that possessed at least a Bachelor's Degree was 19.6%.
- The four largest occupational categories; Construction (19.5%), Office and Administrative Support (12.3%), Management (9.9%), and Production (7.8%) accounted for nearly half (49.5%) of Massachusetts claimants.
- From an industry perspective, Construction was the largest source of UI claims, representing 22.3% of the total claimant population, followed by Administrative Support and Waste Management Services (13.3%). In addition, Retail Trade (8.7%), Manufacturing (8.4%) and Accommodation and Food Services (7.4%) were significant contributors to the UI claimant population. Collectively these five industry categories comprised 60.1% of the total claimant population.

Employment by Firm Size

- Small employers dominate the Massachusetts economy. Among the 212,263 establishments reporting employment in March 2009, 87.7% had fewer than 20 employees. These firms, however, accounted for just 23.0% (715,532) of the jobs located in the Bay State.
- In contrast to the small business employers, 4,865 establishments (2.3%) reported having at least 100 employees. These firms, however, were responsible for 49.4% (1,535,096) of all jobs located in Massachusetts.

Industry Employment and Wage Trends

- Between the third quarters of 2007 and 2008, the number of jobs in Massachusetts decreased by -6,044 or -0.2%.
- The five largest industry sectors; Health Care and Social Assistance (14.8%), Retail Trade (10.7%), Manufacturing (8.8%), Professional, Scientific, and Technical Services (8.0%), and Accommodation and Food Services (7.9%), comprised over one-half (50.2%) of all jobs in the Commonwealth.
- Between the third quarters of 2008 and 2009, four of these industry sectors had job loss rates approximately the same as the overall statewide average decline of -0.2%. Health Care and Social Assistance dropped -1,394 jobs (-0.3%), Professional, Scientific, and Technical Services lost -1,541 (-0.6%), Retail Trade was down -943 (-0.3%), and Manufacturing lost -265 (-0.1%). Accommodation and Food Services, however, shed -14,110, a loss of -5.2%.

Summary of Trends in Massachusetts

- Job losses also occurred in Construction (-8,239, -5.8%), Financial Activities (-2,004, -0.9%), and Wholesale Trade (-487, -0.4%).
- Sectors experiencing job growth included Local Government which grew by 35,641 (15.9) and Educational Services (3,691, 3.0%)
- The 2008 annual average wage in Massachusetts was \$56,759. Among the key super sectors whose annual average wages exceeded the overall statewide average were Financial Activities (\$107,054), Information (\$86,305), Professional and Business Services (\$77,272), Manufacturing (\$68,987), and Construction (\$62,127).
- Two of the State's key sectors, Retail Trade (\$27,683) and Leisure and Hospitality (\$21,780) had wages that were considerably lower than overall statewide annual average wage of \$56,759. In addition, Health Care and Social Assistance (\$49,384) was also below the overall average.

Massachusetts Industry and Occupational Projections 2006-2016

- The Massachusetts economy is expected to generate 216,650 net new jobs between 2006 and 2016, an increase of 6.3%. An additional 768,330 job openings will result from the need to replace workers who retire, change industries or change occupations. In total, nearly one million jobs will need to be filled by 2016.
- The two fastest growing industry sectors, Professional, Technical, and Business Services (+18.1%) and Health and Educational Services (+16.8%) will also add the most jobs, expanding by 85,400 and 102,020 jobs respectively, and together will represent more than 86 percent of all net new jobs. Health Care alone will account for 64,630 jobs during the projection period. The third fastest growth is expected in Leisure and Hospitality (+9.2%), which is projected to add 27,160 jobs.
- On a more detailed basis, eight industries are expected to increase by more than 10,000 jobs. These include Private Hospitals (+23,530), Management and Technical Consulting (+19,100), Computer Systems Design (+17,600), Food Services and Drinking Places (+16,450), Individual and Family Services (+12,870), Residential Care Facilities (+11,320), Offices of Health Practitioners (+10,510), and Colleges and Universities (+10,300). Collectively, these eight industries account for nearly 121,680 or 56.2% of the 216,650 projected net new jobs.
- Among the 30 fastest growing occupations, 13 are in either Health Care or Information Technology. In terms of education and training, 23 of these fast growing occupations require at least an Associate's Degree. The top five fastest growing occupations include Network Systems Analysts (+50%), Personal and Home Care Aides (+36%), Computer Applications Engineers (+35%), Home Health Aides (+34%), and Veterinary Technologists and Technicians (+33%).
- Twenty occupations will account for more than half the net new jobs created through 2016. Many are large occupations concentrated in industries such as Retail Trade and Hospitality. The five occupations generating the most new jobs are expected to include Registered Nurses (+16,110), Customer Service Representatives (+8,390), Computer Software Applications Engineers (+8,260), Combined Food Preparation and Serving Workers (+7,760), and Home Health Aides (+5,820).

Summary of Trends in Massachusetts

- While the focus is often on new job growth, it is important to remember that most job openings will be the result of replacement demand and not growth. In fact, 78% of the nearly one million projected net new job openings statewide will occur because of replacement associated with retirement, labor force withdrawal, and occupational changes. For example, total projected net new openings for Registered Nurses are expected to be 29,050, with 12,940 replacement jobs and 16,110 new jobs. Replacement needs tend to be greatest in occupations with high proportions of workers nearing retirement (teachers, machinists) or occupations with large concentrations of young and part-time workers (waiters and waitresses, retail salespersons).
- Education and training will play an increasingly prominent role for both current and future job seekers. More than half (60%) of all new jobs related to growth will require an Associate's Degree or higher. While a Bachelor's Degree may be preferable, it is important to recognize that some form of post-secondary education will be essential for those seeking a rewarding career path with good pay and upward mobility.

Population Estimates 2000-2009

- Between the April 2000 Census and July 2009, Massachusetts' population increased by 244,468 or 3.9%. Berkshire (-4.2%) and Barnstable (-0.5%) were the only counties in the state to lose population during this period. The fastest county population growth rates were registered in Nantucket (18.9%), Suffolk (9.2%), Worcester (7.2%), and Dukes (6.6%).
- The Massachusetts population increased by 49,992 between July 2008 and July 2009, the largest annual increase since 2001. Massachusetts had lost population in both 2004 and 2005.
- Among the 30 largest cities and towns in Massachusetts, 13 lost population between April 2000 and July 2009, with Pittsfield (-7.3%), Barnstable (-3.3%), and New Bedford (-2.9%) showing the largest percentage declines. The largest percentage increases were recorded in Plymouth (+9.9%), Boston (+9.5%), Revere (+9.3%) and Cambridge (+7.4%).
- Massachusetts showed an increase in the natural population (births minus deaths) of 220,701 over the April 2000 to July 2009 period. Barnstable and Berkshire were the only two counties to see a decline in the natural population between April 2000 and July 2009.
- Six of Massachusetts' 14 counties experienced net out-migration between April 2000 and July 2008. Statewide, the net number of persons leaving Massachusetts for other states (-297,760) exceeded the net number of migrants arriving from other countries (+212,930).

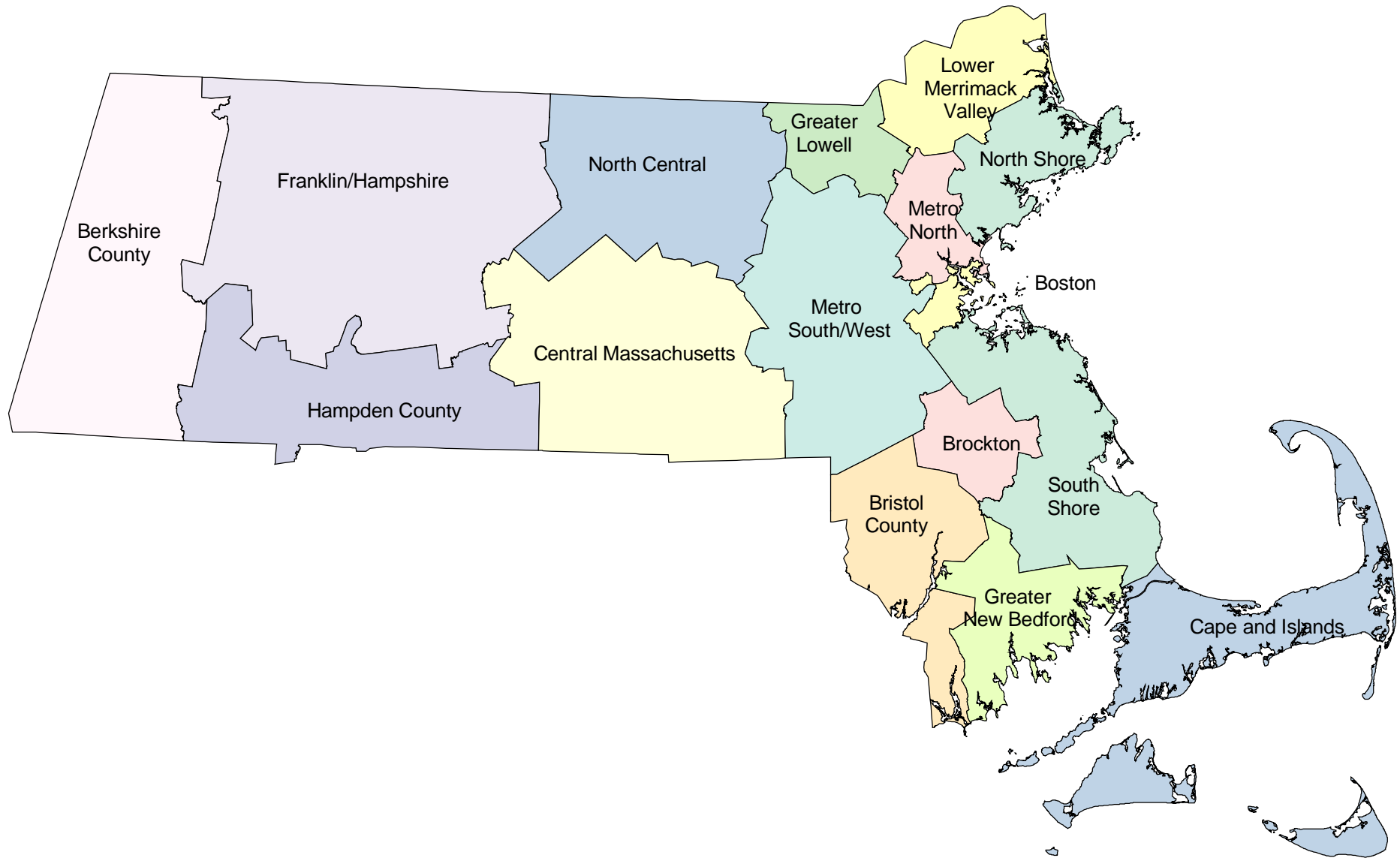
Massachusetts and U.S. Wages by Occupational Group

- According to the most recent wage survey conducted in May 2009 the mean Massachusetts wage for all occupations was \$52,710. The average Massachusetts wage exceeded the average U.S. wage of \$43,460 by \$9,250 or 21.3%.
- Massachusetts wages were larger than their U.S. counterparts in all 22 occupational groups for which wage information was collected. The top three occupational categories in Massachusetts were Management (\$117,640), Legal (\$99,920), and Computer and Mathematics (\$88,610).

Summary of Trends in Massachusetts

- In addition to the three occupational groups noted above, there were four other occupational groups in Massachusetts that exceeded an average wage of \$70,000. These categories included Architecture and Engineering (\$80,470), Healthcare Practitioners (\$78,390), Business and Financial (\$76,990), and Life, Physical, and Social Science (\$74,710).
- On the opposite end of the wage scale, the three occupational categories with the lowest average wages in Massachusetts were all below \$30,000. These groups included, Personal Care and Service (\$29,070), Farming, Fishing, and Forestry (\$28,600), and, the category with the lowest average wage, Food Preparation and Serving (\$25,110).

Massachusetts 16 Workforce Areas



Profile of Unemployment Insurance Claimants, Massachusetts and Workforce Areas March 2010

	Total Claimants	Race					Hispanic or Latino			Gender		Weeks of Unemployment			
		White	Black	Asian	Other	INA	Yes	No	INA	Male	Female	1-2	3-4	5-14	15+
Massachusetts	137,617	82.6%	7.4%	2.5%	0.3%	7.1%	9.8%	89.4%	0.8%	66.6%	33.4%	11.0%	8.0%	48.1%	32.9%
Berkshire County	3,441	93.5%	2.8%	0.3%	0.3%	3.1%	2.6%	97.1%	0.3%	69.6%	30.4%	11.4%	8.4%	49.8%	30.3%
Boston	10,390	50.6%	30.0%	6.1%	0.4%	12.8%	17.3%	81.6%	1.1%	59.4%	40.6%	13.1%	8.9%	42.3%	35.7%
Bristol County	14,485	88.0%	4.3%	1.3%	0.2%	6.1%	7.4%	92.0%	0.5%	72.3%	27.7%	10.6%	7.9%	51.7%	29.8%
Brockton	5,466	74.1%	16.7%	1.2%	0.3%	7.7%	5.8%	93.7%	0.5%	65.8%	34.2%	11.2%	7.7%	48.0%	33.1%
Cape and Islands	8,347	88.4%	4.5%	0.5%	0.7%	6.0%	4.0%	95.3%	0.7%	59.0%	41.0%	5.2%	5.4%	52.4%	37.0%
Central Mass	12,541	88.5%	4.5%	1.6%	0.3%	5.1%	8.3%	91.1%	0.5%	67.9%	32.1%	12.0%	8.3%	46.4%	33.2%
Franklin/Hampshire	3,328	92.8%	1.4%	0.7%	0.3%	4.9%	2.6%	97.0%	0.5%	68.8%	31.2%	10.1%	7.1%	50.7%	32.1%
Greater Lowell	5,345	83.4%	2.8%	8.3%	0.3%	5.2%	7.8%	91.5%	0.7%	67.0%	33.0%	12.5%	7.9%	48.8%	30.8%
Greater New Bedford	6,023	84.5%	6.7%	0.4%	0.2%	8.1%	8.0%	91.4%	1.0%	73.0%	27.0%	10.3%	8.0%	54.3%	27.4%
Hampden County	11,219	79.7%	9.7%	0.8%	0.3%	9.5%	17.6%	81.7%	0.4%	67.2%	32.8%	10.3%	7.6%	48.9%	33.2%
Lower Merrimack Valley	10,723	84.9%	3.6%	1.2%	0.4%	10.0%	20.1%	78.9%	0.7%	71.0%	29.0%	13.1%	8.5%	46.1%	32.4%
Metro North	11,895	79.7%	7.7%	4.4%	0.4%	7.9%	12.0%	87.4%	0.6%	63.7%	36.3%	11.9%	8.8%	44.7%	34.5%
Metro South/West	10,111	86.2%	3.6%	3.2%	0.2%	6.8%	6.4%	92.9%	0.7%	65.1%	34.9%	10.8%	7.8%	46.8%	34.6%
North Central	5,917	90.3%	2.5%	1.1%	0.2%	5.9%	9.9%	85.9%	0.7%	69.5%	30.5%	11.5%	8.8%	47.9%	31.7%
North Shore	7,936	86.3%	6.0%	2.2%	0.2%	5.2%	11.0%	88.4%	0.5%	63.9%	36.1%	10.2%	8.4%	47.7%	33.7%
South Shore	10,450	85.2%	4.8%	5.0%	0.3%	4.7%	2.2%	97.3%	4.1%	65.3%	34.7%	10.8%	8.1%	48.5%	32.6%

	Average Weekly Wage						Age Group					Education Attainment*			
	<\$300	\$300- \$499	\$500- \$799	\$800- \$999	\$1,000- \$1,499	\$1,500+	Under 25	25-44	45-54	55-64	65+	Through Grade 11	H.S. Graduate	1-3 Yrs. College	4 or More College
Massachusetts	11.9%	18.4%	26.6%	12.4%	17.8%	12.9%	9.5%	45.9%	25.0%	15.3%	4.3%	11.9%	44.2%	22.0%	22.0%
Berkshire County	14.1%	26.3%	31.9%	12.4%	11.1%	4.0%	10.4%	43.6%	24.0%	16.6%	5.4%	11.2%	53.3%	21.3%	14.2%
Boston	14.0%	19.1%	26.7%	11.8%	16.1%	12.3%	10.2%	55.1%	20.9%	11.3%	2.5%	13.3%	36.2%	20.7%	29.8%
Bristol County	11.5%	18.9%	26.9%	12.4%	19.4%	10.8%	9.8%	47.4%	25.7%	13.5%	3.5%	19.9%	48.4%	19.6%	12.1%
Brockton	12.2%	19.0%	28.0%	12.0%	18.1%	10.7%	10.8%	47.1%	24.7%	13.1%	4.4%	12.1%	49.7%	23.3%	14.9%
Cape and Islands	14.3%	23.4%	30.6%	12.6%	12.9%	6.3%	9.2%	40.1%	23.6%	18.1%	8.9%	6.6%	39.8%	28.2%	25.4%
Central Mass	11.9%	18.1%	27.0%	13.1%	18.1%	11.6%	10.0%	46.1%	24.8%	15.3%	3.8%	9.5%	48.5%	22.6%	19.4%
Franklin/Hampshire	11.3%	21.5%	31.0%	12.0%	17.4%	6.8%	10.8%	42.4%	26.4%	17.0%	3.4%	7.8%	50.4%	21.9%	19.9%
Greater Lowell	9.7%	16.7%	27.2%	13.2%	18.9%	14.3%	10.2%	46.5%	25.4%	14.6%	3.2%	11.0%	48.3%	21.2%	19.6%
Greater New Bedford	15.0%	20.4%	25.6%	11.3%	17.5%	10.2%	11.2%	45.5%	24.8%	15.0%	3.6%	27.5%	45.0%	18.5%	9.0%
Hampden County	16.6%	22.9%	28.8%	11.9%	14.1%	5.8%	12.3%	47.5%	22.7%	13.9%	3.6%	17.1%	48.4%	22.9%	11.6%
Lower Merrimack Valley	10.3%	15.9%	23.5%	12.3%	19.7%	18.2%	8.5%	46.2%	27.1%	15.0%	3.2%	15.4%	43.4%	20.6%	20.6%
Metro North	9.7%	15.4%	25.6%	13.3%	19.8%	16.1%	7.3%	49.2%	24.2%	14.9%	4.5%	9.8%	39.4%	20.3%	30.5%
Metro South/West	7.1%	12.7%	22.8%	12.0%	19.4%	26.0%	6.0%	39.7%	29.1%	19.3%	5.9%	5.9%	31.9%	19.5%	42.7%
North Central	10.6%	18.7%	27.4%	13.2%	18.2%	11.8%	10.1%	43.6%	26.6%	15.9%	3.7%	10.4%	51.6%	22.5%	15.4%
North Shore	12.3%	0.0%	26.1%	12.4%	18.4%	12.6%	9.2%	43.9%	25.0%	17.1%	4.7%	8.5%	45.9%	22.8%	22.8%
South Shore	10.7%	15.5%	24.6%	12.7%	20.2%	16.4%	8.5%	43.7%	25.9%	16.8%	5.2%	5.9%	44.4%	24.8%	24.9%

*Data based on a sample of all claimants signing for the Survey Week.

**Profile of Unemployment Insurance Claimants
Massachusetts
March 2010**

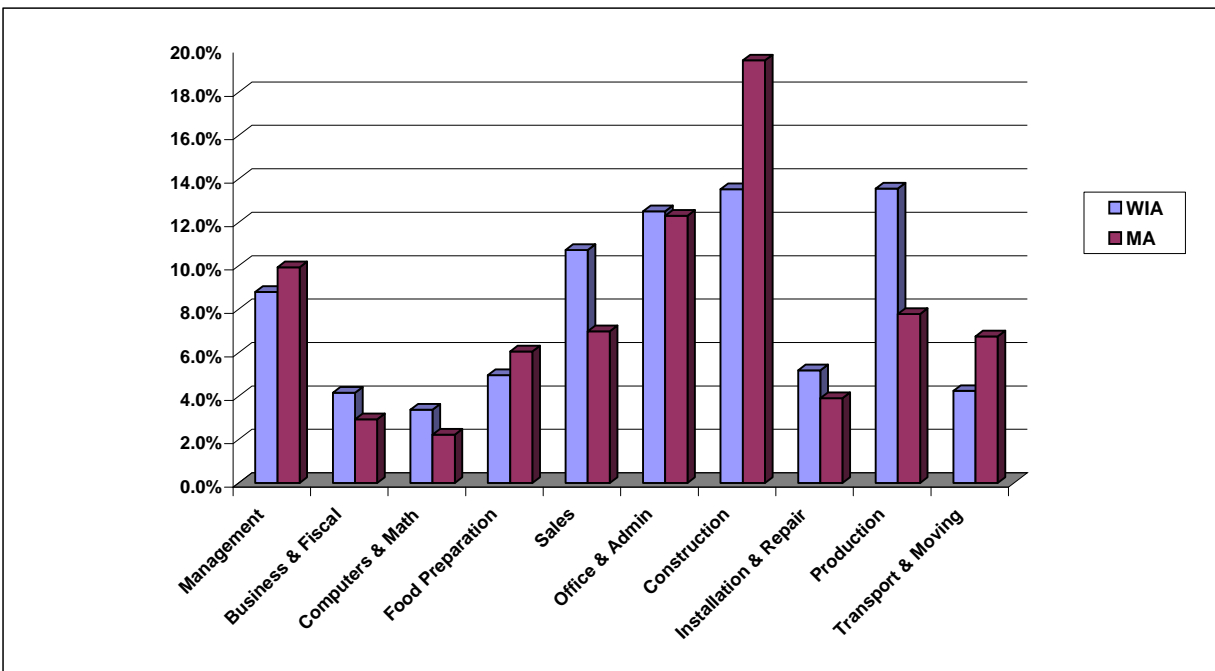
Claimants by Race	Massachusetts March 2009		Massachusetts March 2010	
	Number	Percent	Number	Percent
Total	174,868	100.0%	137,617	100.0%
White	144,602	80.0%	113,716	82.6%
Black	11,964	8.7%	10,169	7.4%
Native American	417	0.3%	324	0.2%
Asian	5,240	2.7%	3,474	2.5%
Hawaiian & Pacific Islanders	143	0.1%	105	0.1%
INA or Unknown	12,502	8.2%	9,829	7.1%
Claimants by Hispanic or Latino				
Hispanic or Latino	16,624	10.3%	13,532	9.8%
Not Hispanic or Latino	156,521	88.7%	122,966	89.4%
INA	1,723	1.0%	1,119	0.8%
Claimants by Gender				
Male	118,063	58.0%	91,682	66.6%
Female	56,749	42.0%	45,948	33.4%
Claimants by Length of Current Spell of Unemployment				
1-2 Weeks	21,102	19.6%	15,158	11.0%
3-4 Weeks	16,232	12.9%	11,053	8.0%
5-14 Weeks	87,711	34.9%	66,159	48.1%
15+ Weeks	49,767	32.6%	45,263	32.9%
Claimants by Average Weekly Wage				
Under \$300	16,120	11.2%	16,321	11.9%
\$300 - \$499	29,057	20.3%	25,294	18.4%
\$500 - \$799	47,929	28.9%	36,636	26.6%
\$800 - \$999	23,435	13.1%	17,123	12.4%
\$1,000 - \$1,499	33,129	16.1%	24,518	17.8%
\$1,500 and Over	25,192	10.5%	17,714	12.9%
Claimants by Age Group				
Under Age 22	5,970	3.1%	4,563	3.3%
22 -24	10,833	5.4%	8,451	6.1%
25 - 34	39,515	21.3%	31,523	22.9%
35 - 44	41,942	26.2%	31,701	23.0%
45 -54	43,869	25.1%	34,417	25.0%
55 - 59	15,234	9.0%	12,288	8.9%
60 - 64	10,638	6.2%	8,765	6.4%
Over Age 64	6,811	3.8%	5,922	4.3%
Claimants by Level of Educational Attainment				
Through Grade 8	5,266	3.5%	4,097	3.6%
9th to 11th Grade	11,792	8.7%	9,256	8.2%
High School Graduate	60,862	41.7%	49,788	44.2%
1-3 Years of College	29,990	23.3%	24,708	22.0%
4 or More Years of College	33,412	22.7%	24,710	22.0%

Prepared by Massachusetts Department of Workforce Development
Economic Analysis Office

Source: Profile of Massachusetts Unemployment Claimants

Profile of Unemployment Insurance Claimants Massachusetts (Continued)

Claimants by Standard Occupational Classification (SOC)	Massachusetts March 2009		Massachusetts March 2010	
	Number	Percent	Number	Percent
Total	174,812	100.0%	137,633	100.0%
Management (SOC 11)	19,399	8.8%	13,666	9.9%
Business & Fiscal Operations (SOC 13)	6,160	4.1%	4,029	2.9%
Computer & Mathematics (SOC 15)	4,790	3.4%	3,053	2.2%
Architecture & Engineering (SOC 17)	4,645	1.2%	2,923	2.1%
Life, Physical & Social Sciences (SOC 19)	1,252	0.6%	962	0.7%
Community & Social Services (SOC 21)	1,139	0.8%	1,342	1.0%
Legal Occupations (SOC 23)	962	0.4%	740	0.5%
Education, Training & Library (SOC 25)	1,410	2.6%	1,856	1.3%
Arts, Design, Entertainment, Sports & Media (SOC 27)	3,619	0.9%	2,553	1.9%
Health Practitioners & Technical (SOC 29)	2,246	0.9%	2,386	1.7%
Healthcare Support (SOC 31)	2,080	3.2%	2,598	1.9%
Protective Services (SOC 33)	1,254	0.8%	1,222	0.9%
Food Preparation & Serving (SOC 35)	8,013	5.0%	8,322	6.0%
Building & Grounds Cleaning & Maintenance (SOC 37)	9,434	2.5%	9,162	6.7%
Personal Care & Service (SOC 39)	2,385	3.3%	2,822	2.1%
Sales & Related (SOC 41)	12,047	10.7%	9,610	7.0%
Office & Administrative Support (SOC 43)	23,262	12.5%	16,936	12.3%
Farming, Fishing, Forestry (SOC 45)	712	1.5%	1,128	0.8%
Construction and Extraction (SOC 47)	33,728	13.5%	26,774	19.5%
Installation, Maintenance, Repair (SOC 49)	7,161	5.2%	5,358	3.9%
Production Occupations (SOC 51)	17,500	13.5%	10,710	7.8%
Transportation & Material Moving (SOC 53)	11,483	4.2%	9,287	6.7%
INA or SOC Code Unknown	29	0.1%	46	0.0%

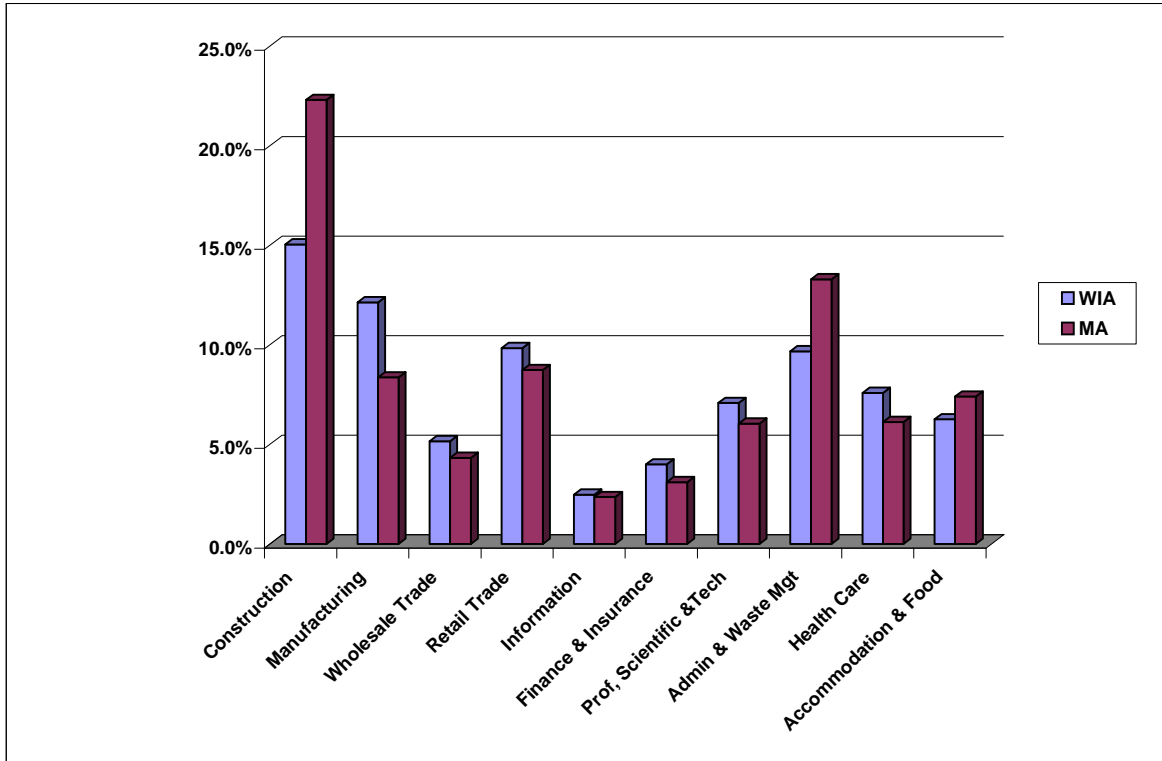


Prepared by Massachusetts Department of Workforce Development
Economic Analysis Office

Source: Profile of Massachusetts Unemployment Claimants

Profile of Unemployment Insurance Claimants Massachusetts (Continued)

Claimants by NAICS Industry Classification	Massachusetts March 2009		Massachusetts March 2010	
	Number	Percent	Number	Percent
Total (does not include partially-unemployed claimants)	161,769	100.0%	124,314	100.0%
Agriculture, Forestry, Fishing, Hunting (NAICS 11)	990	0.9%	1,057	0.9%
Mining (NAICS 21)	395	0.1%	380	0.3%
Utilities (NAICS 22)	144	0.1%	131	0.1%
Construction (NAICS 23)	33,995	15.0%	27,727	22.3%
Manufacturing (NAICS 31-33)	21,242	12.1%	10,402	8.4%
Wholesale Trade (NAICS 42)	8,175	5.2%	5,376	4.3%
Retail Trade (NAICS 44-45)	14,389	9.8%	10,864	8.7%
Transportation and Warehousing (NAICS 48-49)	4,315	2.6%	3,303	2.7%
Information (NAICS 51)	3,851	2.5%	2,933	2.4%
Finance and Insurance (NAICS 52)	6,530	4.0%	3,862	3.1%
Real Estate and Rental Leasing (NAICS 53)	2,446	1.8%	1,875	1.5%
Professional, Scientific and Technical Services (NAICS 54)	11,274	7.1%	7,515	6.0%
Management of Companies and Enterprises (NAICS 55)	516	0.2%	414	0.3%
Admin. & Support & Waste Mgt. & Redemption Serv. (NAICS 56)	20,673	9.7%	16,526	13.3%
Educational Services (NAICS 61)	1,459	1.7%	1,514	1.2%
Health Care and Social Assistance (NAICS 62)	7,069	7.6%	7,617	6.1%
Arts, Entertainment and Recreation (NAICS 71)	3,817	2.0%	3,671	3.0%
Accommodation and Food Services (NAICS 72)	9,365	6.3%	9,204	7.4%
Other Services (Except Public Administration) (NAICS 81)	4,392	4.0%	4,555	3.7%
Public Administration (NAICS 92)	1,951	2.7%	1,893	1.5%
INA (No NAICS Code)	4,781	4.8%	3,495	2.8%



Prepared by Massachusetts Department of Workforce Development
Economic Analysis Office

Source: Profile of Massachusetts Unemployment Claimants

Ncdqt 'Hqt eg'Gwlo cvgu'd{ 'Y qt mhqt eg'Ct gc

3w'S wct vgt '4232

<i>Ct gc</i>	<i>Ncdqt 'Hqt eg</i>	<i>Go r r{gf</i>	<i>Wpgo r r{gf</i>	<i>3w'S v '4232'' Wpgo r 'Tcvg</i>	<i>3w'S v '422; '' Wpgo r 'Tcvg</i>
Massachusetts	3,463,467	3,121,333	342,133	9.9%	8.2%
Berkshire County	72,579	65,295	7,284	10.0%	8.5%
Boston	311,630	284,539	27,090	8.7%	7.3%
Bristol County	200,664	174,755	25,909	12.9%	11.3%
Brockton	126,168	112,523	13,645	10.8%	8.9%
Cape and Islands	133,533	115,982	17,552	13.1%	11.2%
Central Mass	291,669	261,730	29,939	10.3%	8.4%
Franklin/Hampshire	134,887	123,465	11,422	8.5%	6.8%
Greater Lowell	148,254	133,045	15,209	10.3%	8.6%
Greater New Bedford	108,518	93,346	15,173	14.0%	11.9%
Hampden County	226,427	199,221	27,207	12.0%	9.7%
Lower Merrimack Valley	166,450	147,449	19,001	11.4%	9.6%
Metro North	422,611	389,289	33,322	7.9%	6.5%
Metro South/West	488,527	452,920	35,606	7.3%	6.1%
North Central	127,711	113,190	14,521	11.4%	9.4%
North Shore	217,838	196,804	21,033	9.7%	8.1%
South Shore	285,995	257,776	28,219	9.9%	7.9%

Note: Data is not seasonally adjusted.

Prepared by Massachusetts Department of Workforce Development
Economic Analysis Office

Source: Local Area Unemployment Statistics (LAUS) April 2010

**Distribution of Establishments and Employment by Size Group
Massachusetts
March 2009**

Size Group	# Establishments	Share of All Establishments	# Employees	Share of All Employees
0 to 19	186,082	87.7%	715,532	23.0%
20 to 99	21,316	10.0%	855,011	27.5%
100 to 499	4,287	2.0%	813,548	26.2%
500+	578	0.3%	721,548	23.2%
Total	212,263	100.0%	3,105,639	100.0%

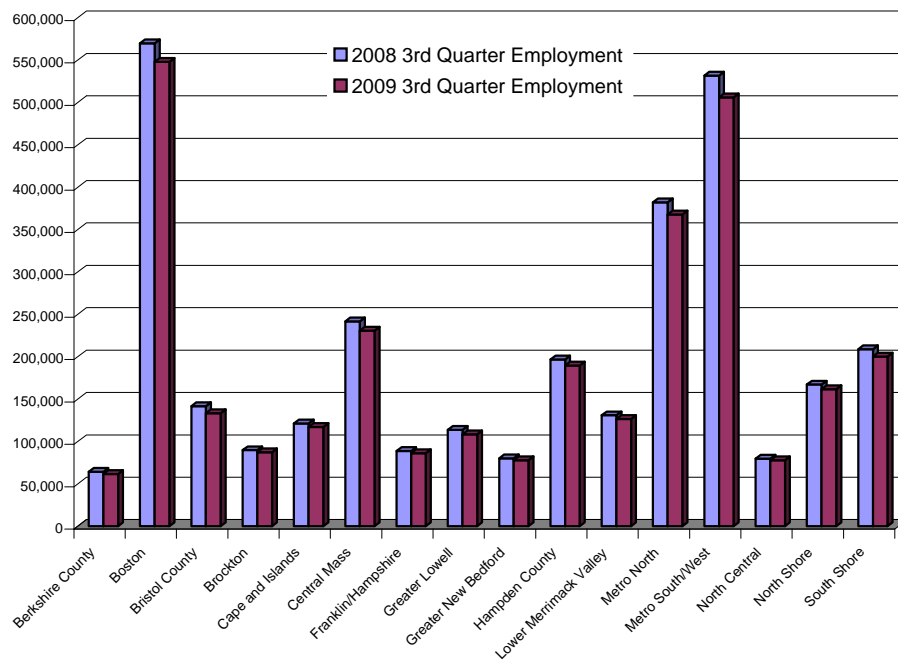
Prepared by Massachusetts Department of Workforce Development
Economic Analysis Office

Source: Quarterly Census of Employment and Wages (ES-202)

Total Employment for Massachusetts and Workforce Areas 3rd Quarter 2008 vs. 2009

Sector	2008 3rd Quarter Employment	2009 3rd Quarter Employment	Yr/Yr Employment Change	Yr/Yr Employment % Change
Massachusetts	3,251,799	3,245,755	-6,044	-0.2%
Berkshire County	64,136	61,567	-2,569	-4.0%
Boston	569,771	548,067	-21,704	-3.8%
Bristol County	141,804	133,503	-8,301	-5.9%
Brockton	89,744	87,260	-2,484	-2.8%
Cape and Islands	121,177	117,272	-3,905	-3.2%
Central Mass	241,841	230,907	-10,934	-4.5%
Franklin/Hampshire	88,806	86,067	-2,739	-3.1%
Greater Lowell	113,719	108,397	-5,322	-4.7%
Greater New Bedford	80,164	77,805	-2,359	-2.9%
Hampden County	196,868	189,522	-7,346	-3.7%
Lower Merrimack Valley	130,885	126,654	-4,231	-3.2%
Metro North	382,166	367,887	-14,279	-3.7%
Metro South/West	531,695	505,904	-25,791	-4.9%
North Central	79,759	77,889	-1,870	-2.3%
North Shore	167,148	161,563	-5,585	-3.3%
South Shore	208,992	200,097	-8,895	-4.3%

Total Employment Massachusetts and Workforce Areas 3rd Qtr 2008 vs 2009



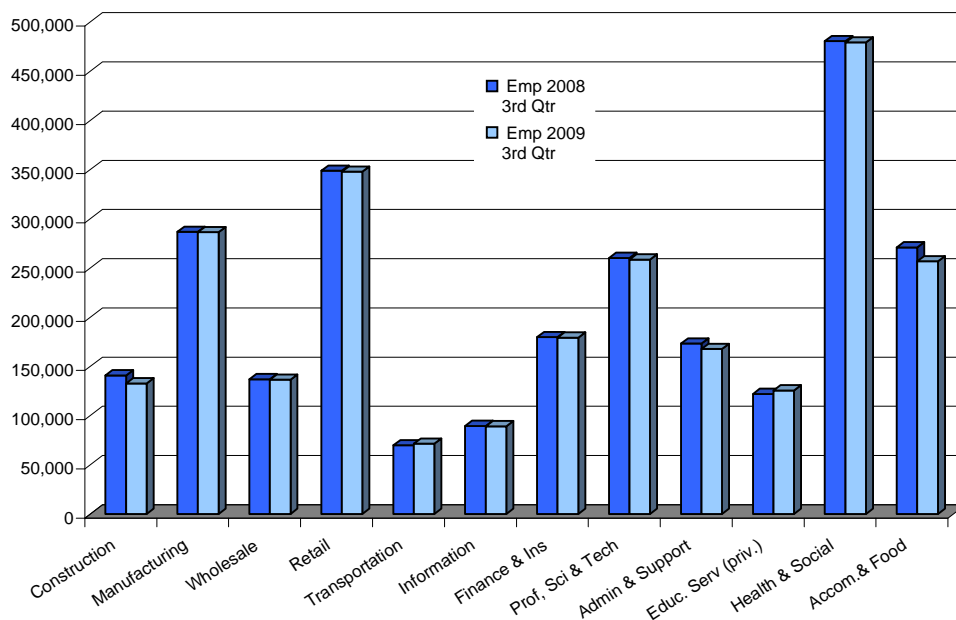
Prepared by Massachusetts Department of Workforce Development
Economic Analysis Office

Source: Quarterly Census of Employment and Wages (ES0-202)

Massachusetts Employment by Industry (NAICS) 3rd Quarter 2008 vs. 2009

Sector	Sector Title	2008 3rd Quarter Employment	2009 3rd Quarter Employment	Yr/Yr Employment Change	Yr/Yr Employment % Change
	Total Employment	3,251,799	3,245,755	-6,044	-0.19%
	Private Sector	2,873,122	2,831,460	-41,662	-1.45%
	Goods-Producing	436,488	426,958	-9,530	-2.18%
11	Natural Resources	8,802	7,776	-1,026	-11.66%
21	Mining	1,339	1,267	-72	-5.38%
23	Construction	140,964	132,725	-8,239	-5.84%
31-33	Manufacturing	286,723	286,458	-265	-0.09%
	DUR - Durable Goods Manufacturing	190,681	189,839	-842	-0.44%
	NONDUR - Non-Durable Goods Manufacturing	96,042	96,618	576	0.60%
	Service-Providing	2,436,633	2,404,502	-32,131	-1.32%
	Trade, Transportation & Utilities	565,739	565,860	121	0.02%
22	Utilities	10,098	10,030	-68	-0.67%
42	Wholesale Trade	137,014	136,527	-487	-0.36%
44-45	Retail Trade	348,816	347,873	-943	-0.27%
48-49	Transportation & Warehousing	69,811	71,430	1,619	2.32%
	Information	89,501	89,258	-243	-0.27%
51	Information, Production, & Dissemination	89,501	89,258	-243	-0.27%
	Financial Activities	223,612	221,608	-2,004	-0.90%
52	Finance & Insurance	179,794	179,231	-563	-0.31%
53	Real Estate & Rental and Leasing	43,818	42,378	-1,440	-3.29%
	Professional & Business Services	494,585	487,754	-6,831	-1.38%
54	Professional, Scientific, & Technical Services	260,163	258,622	-1,541	-0.59%
55	Headquarters, Regional Offices & Subsidiaries	61,193	61,461	268	0.44%
56	Admin. & Support & Waste Mgt. & Remediation Services	173,229	167,671	-5,558	-3.21%
	Education & Health	602,616	604,912	2,296	0.38%
61	Educational Services	121,990	125,681	3,691	3.03%
62	Health Care & Social Assistance	480,625	479,231	-1,394	-0.29%
	Leisure & Hospitality	329,296	306,132	-23,164	-7.03%
71	Arts, Entertainment, & Recreation	58,308	49,255	-9,053	-15.53%
72	Accommodation & Food Services	270,988	256,878	-14,110	-5.21%
	Other Services	131,286	128,977	-2,309	-1.76%
81	Other Services (except Public Administration)	131,286	128,977	-2,309	-1.76%
	Government	378,677	414,295	35,618	9.41%
	Federal Government	48,843	48,896	53	0.11%
	State Government	106,254	106,178	-76	-0.07%
	Local Government	223,580	259,221	35,641	15.94%

Massachusetts Employment



Economic Structure of Massachusetts Areas by Industry (NAICS) 2008 Annual Average

Sector	Sector Title	Employment		Gross Payroll		Average Annual Wage
		Total	Percent Share	Total	Percent Share	
	Total Employment	3,245,755	100.0%	\$184,225,159,508	100.0%	\$56,759
	Private Sector	2,831,460	87.2%	\$162,226,429,287	88.1%	\$57,294
	Goods-Producing	426,958	13.2%	\$28,370,796,700	15.4%	\$66,449
11	Natural Resources	7,776	0.2%	\$363,103,008	0.2%	\$46,695
21	Mining	1,267	0.0%	\$65,647,953	0.0%	\$51,814
23	Construction	132,725	4.1%	\$8,245,743,601	4.5%	\$62,127
31-33	Manufacturing	286,458	8.8%	\$19,761,950,091	10.7%	\$68,987
	Service-Providing	2,404,502	74.1%	\$133,855,632,587	72.7%	\$55,669
	Trade, Transportation & Utilities	565,860	17.4%	\$24,068,577,241	13.1%	\$42,535
22	Utilities	10,030	0.3%	\$997,180,365	0.5%	\$99,420
42	Wholesale Trade	136,527	4.2%	\$10,497,584,162	5.7%	\$76,890
44-45	Retail Trade	347,873	10.7%	\$9,630,185,676	5.2%	\$27,683
48-49	Transportation & Warehousing	71,430	2.2%	\$2,943,627,039	1.6%	\$41,210
	Information	89,258	2.7%	\$7,703,448,708	4.2%	\$86,305
51	Information, Production, & Dissemination	89,258	2.7%	\$7,703,448,708	4.2%	\$86,305
511	Publishing Industries, except Internet	42,411	1.3%	\$4,107,055,275	2.2%	\$96,839
5111	Newspapers & Periodicals	19,863	0.6%	\$1,347,777,654	0.7%	\$67,854
5112	Software Publishers	22,548	0.7%	\$2,759,277,620	1.5%	\$122,373
517	Telecommunications	22,009	0.7%	\$1,746,809,780	0.9%	\$79,368
518	ISPs, Search Portals, & Data Processing	6,817	0.2%	\$634,145,680	0.3%	\$93,024
	Financial Activities	221,608	6.8%	\$23,723,963,607	12.9%	\$107,054
52	Finance & Insurance	179,231	5.5%	\$21,326,697,969	11.6%	\$118,990
522	Banking & Credit Institutions	61,268	1.9%	\$4,885,439,705	2.7%	\$79,739
523	Securities, Commodities, & Investments	49,544	1.5%	\$10,606,225,416	5.8%	\$214,077
524	Insurance	65,842	2.0%	\$5,431,726,552	2.9%	\$82,496
53	Real Estate & Rental and Leasing	42,378	1.3%	\$2,397,265,638	1.3%	\$56,569
531	Real Estate	30,762	0.9%	\$1,894,025,388	1.0%	\$61,570
532	Rental & Leasing Services	11,013	0.3%	\$449,624,276	0.2%	\$40,827
	Professional & Business Services	487,754	15.0%	\$37,689,603,667	20.5%	\$77,272
54	Professional, Scientific, & Technical Services	258,622	8.0%	\$25,030,683,642	13.6%	\$96,785
5411	Legal Services	30,677	0.9%	\$2,737,768,344	1.5%	\$89,245
5412	Accounting & Payroll Services	22,129	0.7%	\$1,590,990,390	0.9%	\$71,896
5413	Architectural & Engineering Services	41,454	1.3%	\$3,504,551,578	1.9%	\$84,541
5415	Computer Systems Design & Related Services	54,691	1.7%	\$6,220,307,121	3.4%	\$113,735
5416	Consulting Services	37,470	1.2%	\$4,133,420,259	2.2%	\$110,313
5417	Scientific Research & Development Serv.	44,004	1.4%	\$4,985,878,291	2.7%	\$113,305
55	Headquarters, Regional Offices & Subsidiaries	61,461	1.9%	\$6,180,193,307	3.4%	\$100,555
56	Admin. & Support & Waste Mgt. & Remediation Services	167,671	5.2%	\$6,478,726,718	3.5%	\$38,640
561	Administrative & Support Services	157,905	4.9%	\$5,908,494,433	3.2%	\$37,418
5613	Employment Services	59,978	1.8%	\$2,219,831,916	1.2%	\$37,011
562	Waste Management & Remediation Services	9,766	0.3%	\$570,232,285	0.3%	\$58,390
	Education & Health	604,912	18.6%	\$30,373,023,582	16.5%	\$50,211
61	Educational Services	125,681	3.9%	\$6,706,822,482	3.6%	\$53,364
6113	Private Colleges & Universities	84,578	2.6%	\$5,157,706,235	2.8%	\$60,982
62	Health Care & Social Assistance	479,231	14.8%	\$23,666,201,100	12.8%	\$49,384
621	Offices of Doctors & Walk-in Clinics	140,169	4.3%	\$8,293,680,145	4.5%	\$59,169
622	Hospitals	175,116	5.4%	\$10,417,996,010	5.7%	\$59,492
623	Nursing & Residential Care Facilities	96,392	3.0%	\$3,109,316,922	1.7%	\$32,257
624	Social Assistance	67,554	2.1%	\$1,845,208,023	1.0%	\$27,315
	Leisure & Hospitality	306,132	9.4%	\$6,667,699,859	3.6%	\$21,780
71	Arts, Entertainment, & Recreation	49,255	1.5%	\$1,712,653,426	0.9%	\$34,771
72	Accommodation & Food Services	256,878	7.9%	\$4,955,046,433	2.7%	\$19,289
721	Hotels & Motels	34,508	1.1%	\$1,060,261,483	0.6%	\$30,725
722	Eating & Drinking Places	222,369	6.9%	\$3,894,784,950	2.1%	\$17,515
	Other Services	128,977	4.0%	\$3,629,315,923	2.0%	\$28,139
81	Other Services (except Public Administration)	128,977	4.0%	\$3,629,315,923	2.0%	\$28,139
	Government	414,295	12.8%	\$21,998,730,222	11.9%	\$53,099
	Federal Government	48,896	1.5%	\$3,328,187,728	1.8%	\$68,067
	State Government	106,178	3.3%	\$6,174,995,339	3.4%	\$58,157
	Local Government	259,221	8.0%	\$12,495,547,155	6.8%	\$48,204

Prepared by Massachusetts Department of Workforce Development
Economic Analysis Office

Source: Quarterly Census of Employment and Wages (EQ-202)
C = Confidential

Employment Shares and Location Quotients by Major Industry Sector
U.S. vs. Massachusetts
2008 Annual Average Private Employment

	Annual Average Employment		Percent of Total Employment		Location Quotient*
	U.S.	Massachusetts	U.S.	Massachusetts	Massachusetts
Total, All Industries, Private	113,192,473	2,831,460	100.0%	100.0%	1.00
11 - Agriculture, Forestry, Fishing and Hunting	1,169,195	6,508	1.0%	0.2%	0.22
23 - Construction	7,125,029	132,725	6.3%	4.7%	0.74
31-33 - Manufacturing	13,383,162	286,458	11.8%	10.1%	0.86
Trade, Transportation and Utilities	26,089,599	565,860	23.0%	20.0%	0.87
22 - Utilities	558,015	10,030	0.5%	0.4%	0.72
42 - Wholesale Trade	5,954,232	136,527	5.3%	4.8%	0.92
44-45 - Retail Trade	15,306,516	347,873	13.5%	12.3%	0.91
48-49 - Transportation and Warehousing	4,270,836	71,430	3.8%	2.5%	0.67
51 - Information	2,988,732	89,258	2.6%	3.2%	1.19
Financial Activities	7,967,036	221,608	7.0%	7.8%	1.11
52 - Finance and Insurance	5,856,864	179,231	5.2%	6.3%	1.22
53 - Real Estate and Rental and Leasing	2,110,171	42,378	1.9%	1.5%	0.80
Professional and Business Services	17,706,430	487,754	15.6%	17.2%	1.10
54 - Professional and Technical Services	7,814,285	258,622	6.9%	9.1%	1.32
55 - Management of Companies and Enterprises	1,895,570	61,461	1.7%	2.2%	1.30
56 - Administrative and Waste Services	7,996,575	167,671	7.1%	5.9%	0.84
Education and Health Services	17,953,686	604,912	15.9%	21.4%	1.35
61 - Educational Services, Private	2,367,685	125,681	2.1%	4.4%	2.12
62 - Health Care and Social Assistance	15,586,001	479,231	13.8%	16.9%	1.23
Leisure and Hospitality	13,394,811	306,132	11.8%	10.8%	0.91
71 - Arts, Entertainment, and Recreation	1,978,217	49,255	1.7%	1.7%	1.00
72 - Accommodation and Food Services	11,416,594	256,878	10.1%	9.1%	0.90
81 - Other Services, Except Public Admin	4,483,967	128,977	4.0%	4.6%	1.15

*See narrative for an explanation of the definition, calculation, uses, and interpretation of location quotients

Guide to Interpretation of Location Quotients

General Concept

The location quotient (LQ) is a commonly used measure intended to help analysts compare a region's level of industry concentration relative to a larger geographic unit such as the state or the nation as a whole. The larger geographic area is referred to as the "base" area or the "reference" area. Location quotients are typically developed for a state, with the U.S. as the base area, or a sub-state area (such as a labor market area or a Workforce Area), with the state as the base area. Location quotients are relatively simple to calculate and yet offer a quick and often valuable insight into a region's employment dynamics.

Calculation of Location Quotients

The location quotient is the calculated ratio of an industry's share of total local area employment divided by the same industry's share of total base area employment. For example, to calculate a location quotient for Educational Services (NAICS Sector 61) employment in Boston, one would need the following data:

- Educational Services employment for Boston
- Total employment for Boston
- Educational Services employment for the base area (usually the state)
- Total employment for the state

The formula is as follows:

$$\text{L:Q.} = \frac{\frac{\text{Educational Services employment in Boston}}{\text{Total employment in Boston}}}{\frac{\text{Educational Services employment in MA}}{\text{Total Employment in MA}}}$$

Interpretation of Location Quotients

A location quotient of greater than one means that the local area has a relatively higher concentration of employment in a given industry than the base area. A location quotient equal to one means that the local area has the same proportion of employment in a given industry as the base area. Location quotients of less than one mean that the area has a smaller proportion of employment in the industry than the base area. This measure can be computed at any industry level the analyst deems important. Location quotients at the aggregated two digit NAICS Sector level may mask significant activity in more detailed industries in the local area. Location quotients should also be viewed in conjunction with other factors, such as the absolute level of employment in the industry. A very high location quotient in an industry that only employs a small number of workers is probably not that significant to local planners. It is generally accepted practice to interpret location quotients of ≥ 1.25 as "high" and $\leq .75$ as "low."

One should keep in mind that the location quotient is only an indicator of relative employment concentration in a given area, as compared to the larger (base) area. A high L.Q. does not necessarily mean that there will be growth in that industry. It only means that, on a relative basis, the industry is significant to the local economy. Employment growth is dependent on such factors as the current phase of the business cycle, current nature of technology, business practices, consumer tastes and preferences, demographic trends, etc.

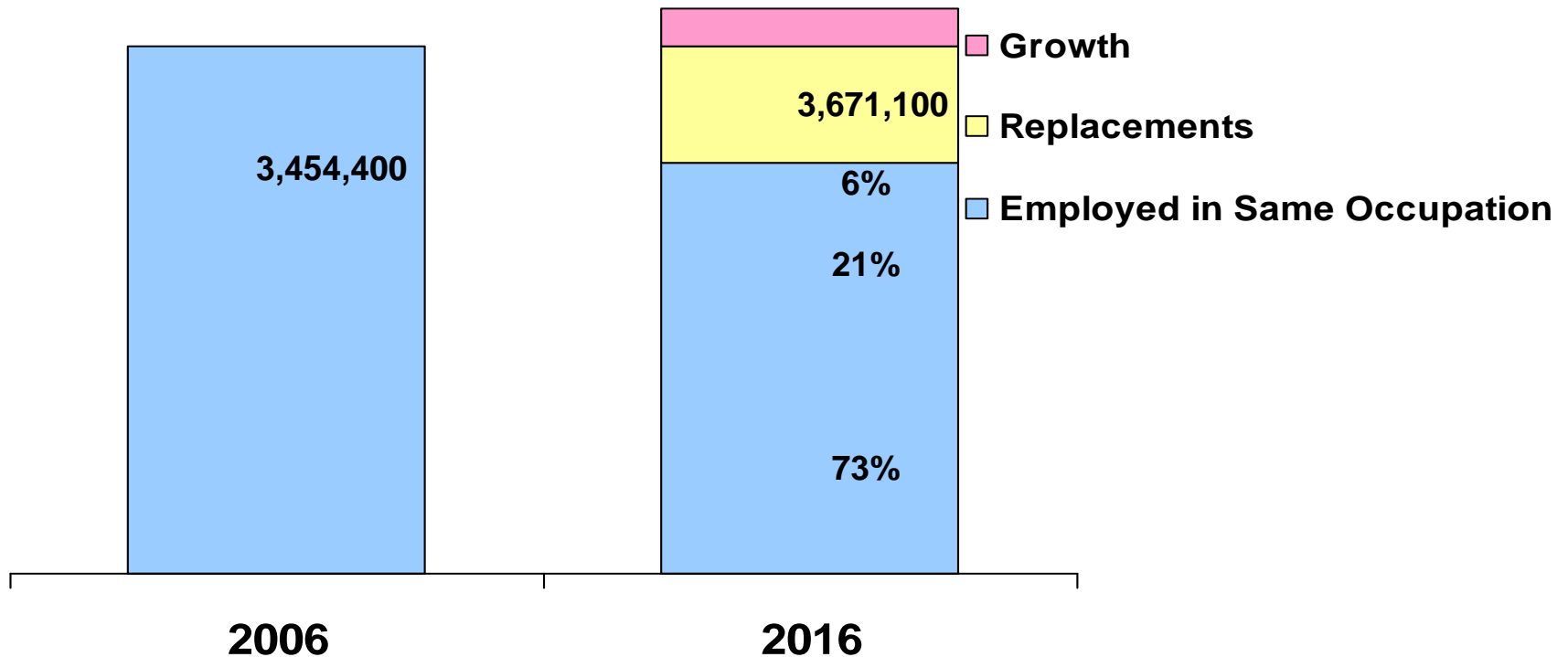
While location quotients can provide useful insights into industries where a local comparative advantage exists, they cannot, in and of themselves, provide specific policy guidance. They can help policy makers formulate further questions as to the nature of an areas comparative advantage and how to take advantage of the situation. Some possible questions are:

- 1) Is the industry dominated by a few large firms or are there many smaller firms?
- 2) What are the reasons why employers are attracted to the area and what can be done to encourage growth (or discourage an exodus) of employers?
- 3) Are there any current or forecasted trends that may make the location of employers in the region more or less desirable

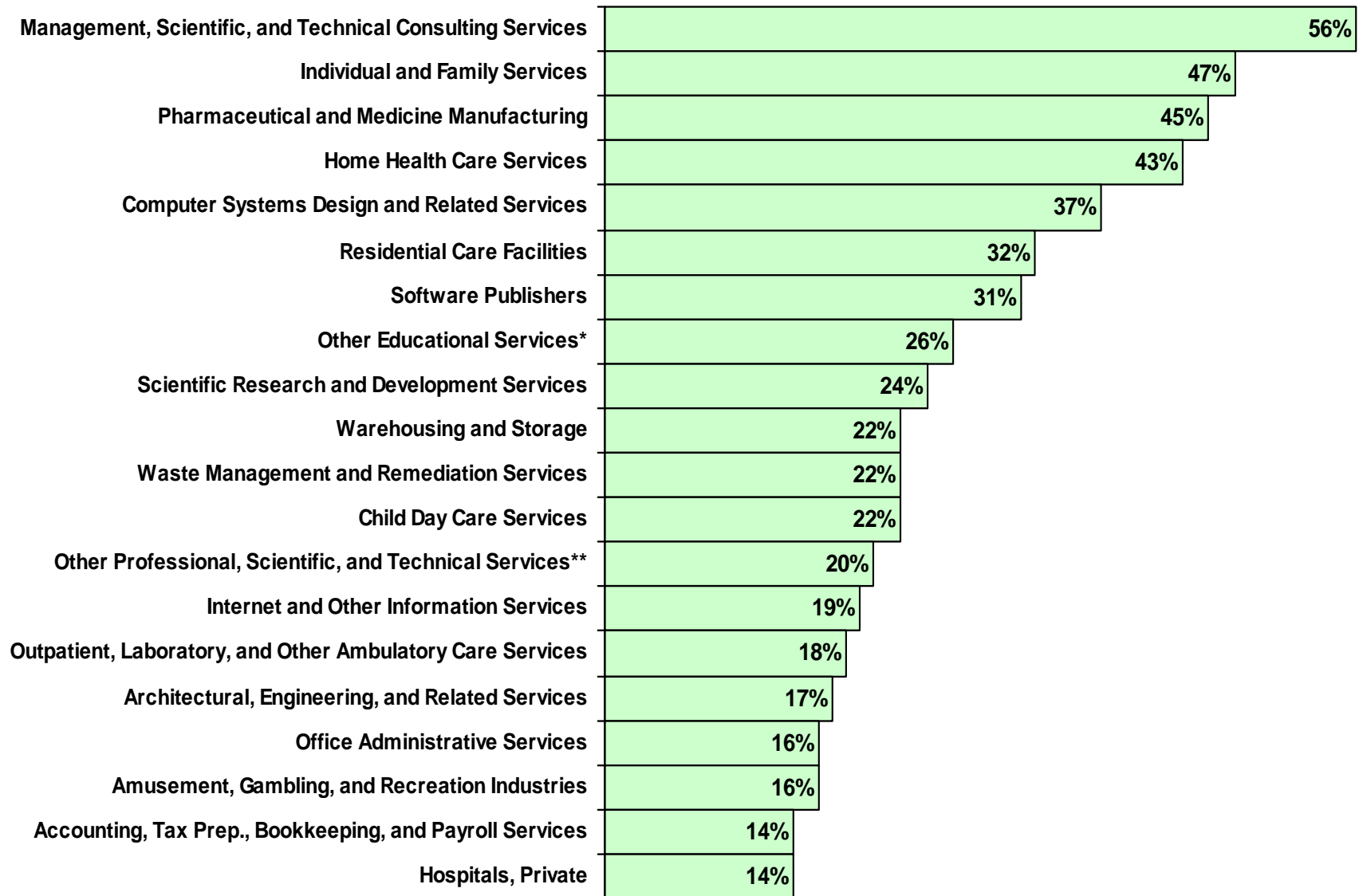
The analysis of location quotients, and other local data, is only the first step. The formulation and implementation of appropriate policy responses is the real challenge for local planners in the employment and training system.

Total Job Openings through 2016

By 2016 the Massachusetts economy is expected to expand by approximately 6.3 percent or 216,650 new jobs. An additional 768,330 jobs should arise from the need to replace workers who retire, change careers, or advance up the career ladder. In total, nearly 1 million jobs should result.



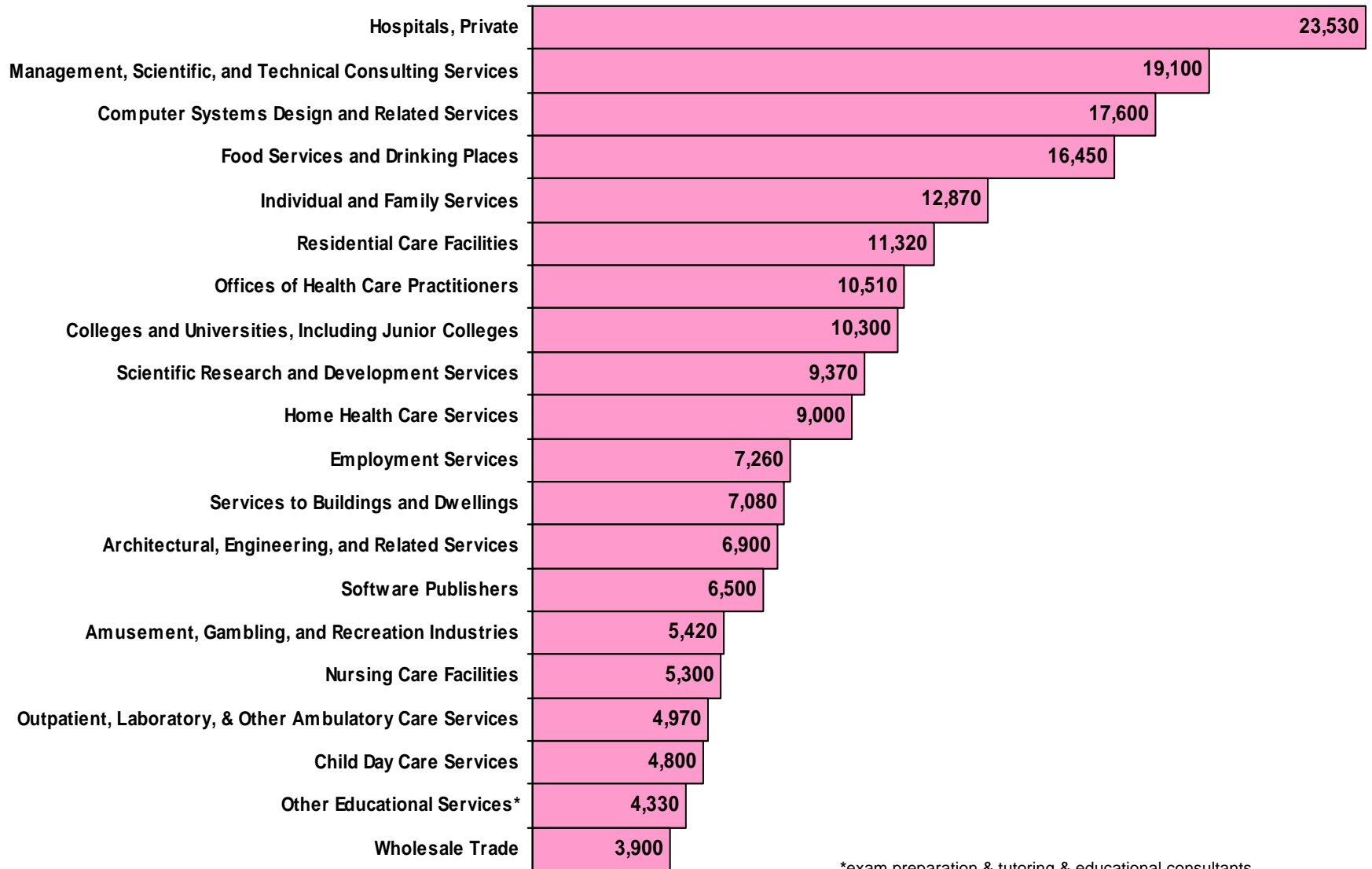
Fastest Growing Industries, 2006-2016



*exam preparation & tutoring & educational consultants

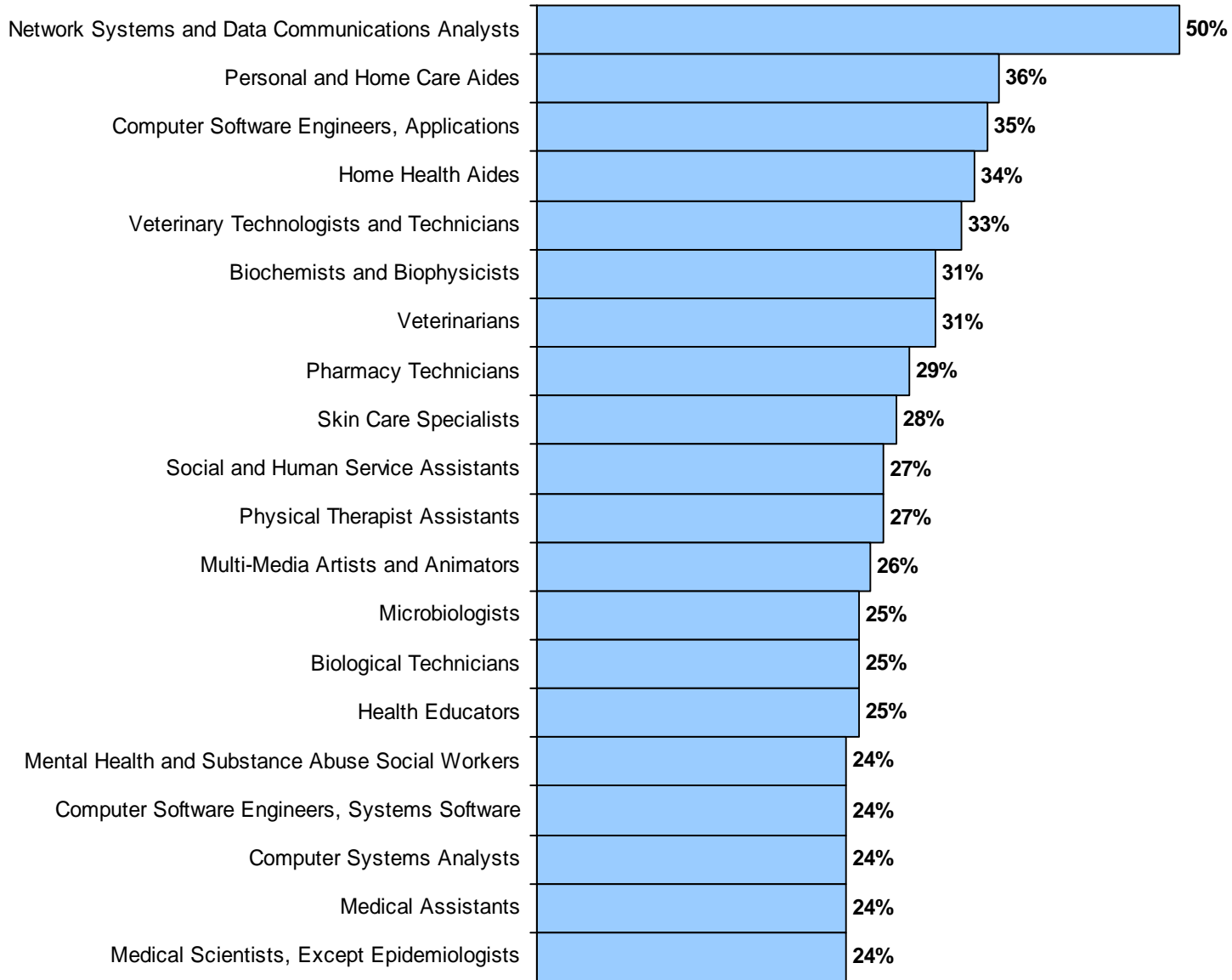
**veterinarians, market research, & public polling

Industries Generating the Most New Jobs through 2016

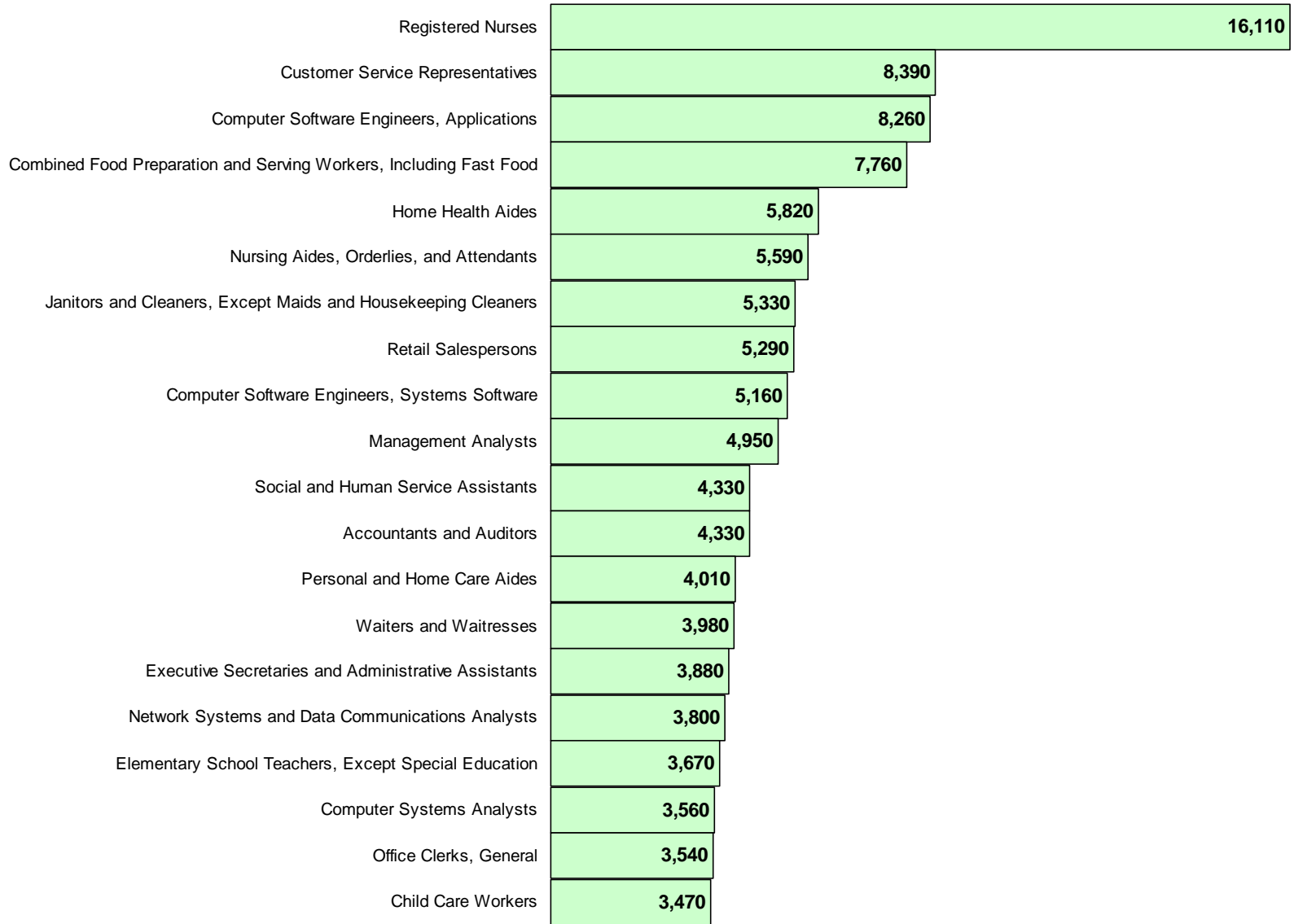


*exam preparation & tutoring & educational consultants

Fastest Growing Occupations 2006-2016



Occupations Generating Nearly Half of All New Jobs by 2016



Prepared by Massachusetts Department of Workforce Development
Economic Analysis Office

Source: Massachusetts Employment Projections 2006-2016

Occupational Wages by Major Group, Ranked by Mean Wages Massachusetts and U.S., May 2009

SOC Code	Occupational Title	Mass. Mean	U.S. Mean	Ratio Mass. to U.S.	Massachusetts Percentile				
					10th	25th	Median	75th	90th
11-0000	Management Occupations	\$117,640	\$102,900	1.14	\$54,160	\$74,050	\$102,920	\$145,390	#
23-0000	Legal Occupations	\$99,920	\$95,820	1.04	\$38,100	\$54,510	\$80,550	\$127,590	#
15-0000	Computer and Mathematical Occupations	\$88,610	\$76,290	1.16	\$49,830	\$65,800	\$86,000	\$108,370	\$132,570
17-0000	Architecture and Engineering Occupations	\$80,470	\$73,590	1.09	\$43,250	\$56,280	\$75,910	\$100,840	\$126,930
29-0000	Healthcare Practitioners and Technical Occupations	\$78,390	\$69,690	1.12	\$31,820	\$46,860	\$66,910	\$93,160	\$133,660
13-0000	Business and Financial Operations Occupations	\$76,990	\$65,900	1.17	\$40,310	\$51,160	\$67,570	\$90,470	\$123,770
19-0000	Life, Physical, and Social Science Occupations	\$74,710	\$65,660	1.14	\$36,290	\$47,630	\$66,850	\$93,970	\$125,580
25-0000	Education, Training, and Library Occupations	\$58,230	\$49,530	1.18	\$24,310	\$35,270	\$53,890	\$71,290	\$90,290
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	\$55,120	\$51,720	1.07	\$24,120	\$33,660	\$48,050	\$68,970	\$94,010
47-0000	Construction and Extraction Occupations	\$53,640	\$43,350	1.24	\$29,370	\$37,390	\$51,010	\$66,850	\$83,630
00-0000	Massachusetts All Occupations	\$52,710	\$43,460	1.21	\$19,700	\$26,720	\$40,840	\$65,450	\$99,090
49-0000	Installation, Maintenance, and Repair Occupations	\$47,970	\$42,210	1.14	\$27,130	\$34,790	\$45,750	\$59,760	\$72,510
33-0000	Protective Service Occupations	\$45,820	\$41,740	1.10	\$21,790	\$27,890	\$44,300	\$60,190	\$73,140
21-0000	Community and Social Services Occupations	\$43,830	\$42,750	1.03	\$23,270	\$28,950	\$39,500	\$56,220	\$71,500
41-0000	Sales and Related Occupations	\$41,920	\$36,020	1.16	\$17,560	\$19,170	\$26,730	\$50,850	\$86,590
43-0000	Office and Administrative Support Occupations	\$38,110	\$32,990	1.16	\$21,280	\$27,640	\$36,060	\$46,710	\$56,910
51-0000	Production Occupations	\$36,250	\$33,290	1.09	\$20,100	\$25,100	\$33,220	\$44,010	\$56,770
53-0000	Transportation and Material Moving Occupations	\$34,330	\$32,180	1.07	\$18,670	\$22,520	\$30,850	\$41,750	\$53,500
31-0000	Healthcare Support Occupations	\$31,990	\$26,710	1.20	\$21,740	\$24,950	\$29,690	\$36,810	\$46,290
37-0000	Building and Grounds Cleaning and Maintenance Occupations	\$30,660	\$24,970	1.23	\$19,510	\$23,210	\$28,920	\$36,050	\$44,740
39-0000	Personal Care and Service Occupations	\$29,070	\$24,680	1.18	\$17,990	\$20,150	\$24,670	\$32,400	\$46,780
45-0000	Farming, Fishing, and Forestry Occupations	\$28,600	\$23,990	1.19	\$17,690	\$19,360	\$23,910	\$34,680	\$47,150
35-0000	Food Preparation and Serving Related Occupations	\$25,110	\$20,880	1.20	\$17,320	\$18,600	\$21,840	\$28,910	\$36,640

Indicates wages of more than \$166,400 per year

Prepared by Massachusetts Department of Workforce Development
Economic Analysis Office

Source: U.S. Bureau of Labor Statistics

Labor Force Participation Rates 1975-2009 for United States and Massachusetts

	National Labor Force Participation Rate			Massachusetts Labor Force Participation Rate		
	Total	Male	Female	Total	Male	Female
1975	61.2%	77.9%	46.3%	64.7%	80.4%	51.0%
1976	61.6%	77.5%	47.3%	64.7%	79.9%	51.1%
1977	62.3%	77.7%	48.4%	64.7%	79.3%	51.8%
1978	63.2%	77.9%	50.0%	65.5%	79.5%	53.1%
1979	63.7%	77.8%	50.9%	66.2%	79.3%	54.5%
1980	63.8%	77.4%	51.5%	65.6%	78.4%	54.1%
1981	63.9%	77.0%	52.1%	66.7%	78.5%	56.1%
1982	64.0%	76.6%	52.6%	67.4%	79.3%	56.7%
1983	64.0%	76.4%	52.9%	66.5%	78.4%	55.9%
1984	64.4%	76.4%	53.6%	67.5%	79.0%	57.4%
1985	64.8%	76.3%	54.5%	67.3%	77.5%	58.3%
1986	65.3%	76.3%	55.3%	67.0%	76.6%	58.6%
1987	65.6%	76.2%	56.0%	67.3%	77.0%	55.8%
1988	65.9%	76.2%	56.6%	68.4%	78.1%	60.0%
1989	66.5%	76.4%	57.4%	68.9%	77.7%	61.0%
1990	66.5%	76.4%	57.5%	68.5%	77.4%	60.7%
1991	66.2%	75.8%	57.4%	67.8%	76.5%	59.9%
1992	66.4%	75.8%	57.8%	67.5%	76.2%	60.0%
1993	66.3%	75.4%	57.9%	68.0%	76.4%	60.3%
1994	66.6%	75.1%	58.8%	67.9%	75.7%	60.7%
1995	66.6%	75.0%	58.9%	67.6%	75.0%	60.8%
1996	66.8%	74.9%	59.3%	67.5%	74.0%	61.5%
1997	67.1%	75.0%	59.8%	69.0%	75.5%	62.9%
1998	67.1%	74.9%	59.8%	68.9%	74.8%	63.4%
1999	67.1%	74.7%	60.0%	68.7%	74.8%	63.0%
2000	67.1%	74.8%	59.9%	67.4%	73.8%	61.4%
2001	66.8%	74.4%	59.8%	68.0%	74.9%	61.6%
2002	66.6%	74.1%	59.6%	69.1%	76.6%	62.3%
2003	66.2%	73.5%	59.5%	67.9%	74.8%	61.7%
2004	66.0%	73.3%	59.2%	67.5%	73.7%	61.9%
2005	66.0%	73.3%	59.3%	66.8%	72.7%	61.4%
2006 ^{P/}	66.2%	73.5%	59.4%	67.0%	73.5%	61.0%
2007 ^{P/}	66.0%	73.2%	59.3%	66.9%	74.5%	59.9%
2008 ^{P/}	66.0%	73.0%	59.5%	66.6%	72.3%	61.4%
2009 ^{P/}	65.4%	72.0%	59.2%	66.5%	71.6%	61.9%

Labor Force Participation Rate:

The proportion of the total civilian non-institutional population 16 years or older, or of a demographic subgroup of that population, classified as "in the labor force".

US Business Cycle Contractions:

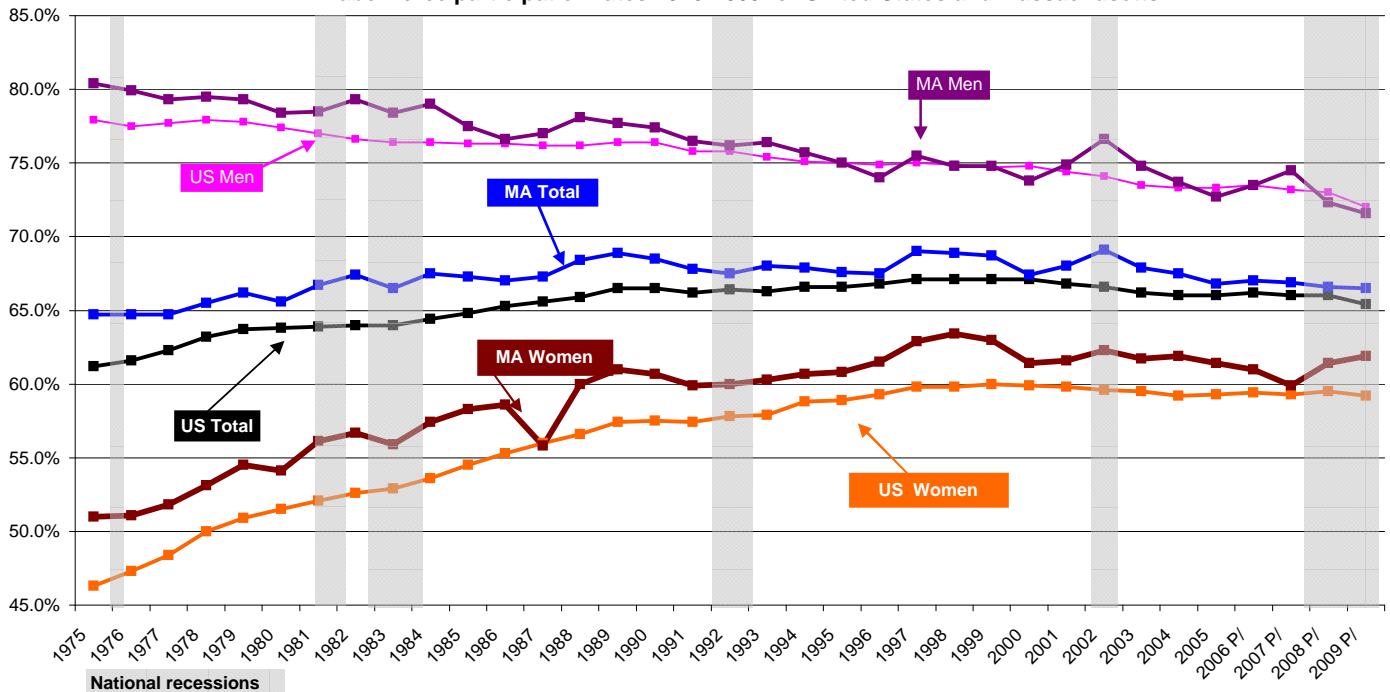
- November 1973 to March 1975 (16 months)
- January 1980 to July 1980 (6 months)
- July 1981 to November 1982 (16 Months)
- July 1990 to March 1991 (8 months)
- March 2001 to November 2001(8 months)
- December 2007 to Current

Source: National Bureau of Economic Research Business Cycle Dating Committee

Note: The NBER does not define a recession in terms of two consecutive quarters of decline in real GDP. Rather, a recession is a significant decline in economic activity spread across the economy, lasting more than a few months, normally visible in real GDP, real income, employment, industrial production, and wholesale-retail sales.

Source: MA 1975 to 2009 U.S. Department of Labor, Bureau of Labor Statistics, Geographic Profile of Employment and Unemployment.
Compiled and Prepared by Mass Dept of Workforce Development, Division of Career Services, Economic Analysis Office
P= Preliminary data

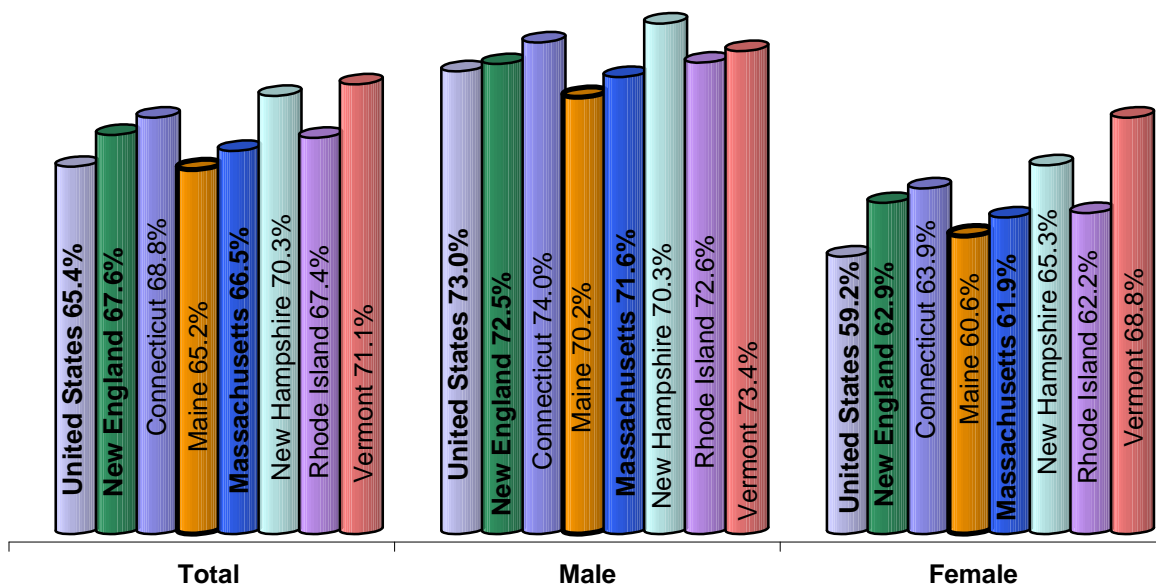
Labor force participation rates 1975-2009 for United States and Massachusetts



2009 Labor Force Participation Rates for United States and New England States

STATE	National Rank	Total	National Rank	Male	National rank	Female
United States		65.4%		73.0%		59.2%
New England		67.6%		72.5%		62.9%
Connecticut	15	68.8%	17	74.0%	13	63.9%
Maine	29	65.2%	36	70.2%	24	60.6%
Massachusetts	22	66.5%	28	71.6%	18	61.9%
New Hampshire	11	70.3%	10	70.3%	10	65.3%
Rhode Island	19	67.4%	25	72.6%	17	62.2%
Vermont	8	71.1%	21	73.4%	1	68.8%

2009 Labor Force Participation Rates for New England States



Note: Labor Force Participation Rate is the proportion of the total civilian non-institutional population 16 years or older, or of a demographic subgroup of that population, classified as "in the labor force".

Annual Estimates of the Population for Massachusetts by Workforce Area April 1, 2000 to July 1, 2009

Geographic Area	Population Estimates										April 1, 2000		Estimates Base Population April 1, 2000 to July 1, 2009	
	July 1, 2009	July 1, 2008	July 1, 2007	July 1, 2006	July 1, 2005	July 1, 2004	July 1, 2003	July 1, 2002	July 1, 2001	July 1, 2000	Estimates Base	Census	Net Change	Percent Change
United States	307,006,550	304,374,846	301,579,895	298,593,212	295,753,151	293,045,739	290,326,418	287,803,914	285,081,556	282,171,957	281,424,602	281,421,906	25,581,948	9.1%
Massachusetts	6,593,587	6,543,595	6,499,275	6,466,399	6,453,031	6,451,279	6,451,637	6,440,978	6,411,730	6,363,015	6,349,119	6,349,097	244,468	3.9%
Berkshire County	129,288	129,571	130,219	130,494	131,268	132,052	132,672	133,101	133,723	134,787	134,953	134,953	-5,665	-4.2%
Boston	645,169	636,748	622,748	612,192	609,690	607,367	607,871	607,931	602,380	590,433	589,143	589,141	56,026	9.5%
Bristol County	363,332	361,945	360,829	360,271	360,533	361,084	360,995	359,491	356,413	354,090	353,164	353,153	10,168	2.9%
Brockton	237,254	236,233	235,227	234,218	234,116	234,522	234,774	234,297	233,127	231,530	230,990	230,970	6,264	2.7%
Cape and Islands	248,447	248,565	248,933	249,641	251,002	252,784	253,830	252,349	249,871	247,891	246,741	198,916	1,706	0.7%
Central Mass	573,897	571,010	567,890	565,206	561,372	557,883	554,436	549,282	543,247	536,306	534,461	534,433	39,436	7.4%
Franklin/Hampshire	244,151	243,852	243,344	242,730	242,306	242,145	241,853	240,775	239,603	239,313	239,138	239,140	5,013	2.1%
Greater Lowell	276,367	271,637	269,617	267,962	268,143	269,149	270,127	270,828	271,379	270,442	269,923	270,083	6,444	2.4%
Greater New Bedford	210,082	209,590	208,975	208,730	209,533	209,497	209,778	208,067	206,341	205,914	205,342	205,354	4,740	2.3%
Hampden County	471,081	469,204	467,756	466,944	465,871	464,622	463,442	460,848	457,723	456,573	456,226	456,228	14,855	3.3%
Lower Merrimack Valley	329,019	326,470	324,091	322,640	322,265	322,619	323,332	323,188	322,455	319,471	318,558	318,556	10,461	3.3%
Metro North	762,574	753,870	748,343	742,757	739,949	741,038	743,799	746,916	748,905	744,023	743,199	743,219	19,375	2.6%
Metro South/West	912,164	903,364	896,150	891,251	889,403	890,449	890,120	891,503	890,399	884,750	882,935	882,953	29,229	3.3%
North Central	254,799	252,901	251,980	250,450	248,932	247,813	246,650	245,119	243,015	239,866	238,964	238,787	15,835	6.6%
North Shore	413,563	410,895	408,975	408,534	407,991	408,282	408,971	409,908	408,327	405,908	404,863	404,863	8,700	2.1%
South Shore	522,400	517,740	514,198	512,379	510,657	509,973	508,987	507,375	504,822	501,718	500,519	500,527	21,881	4.4%

Note: The April 1, 2000 estimates base reflects changes to the Census 2000 population resulting from legal boundary updates, other geographic program changes, and Count Question Resolution actions. All geographic boundaries for the 2009 population estimates series are defined as of January 1, 2009. An "(X)" in the Census 2000 field indicates a locality that was formed or incorporated after Census 2000. Additional information on these localities can be found in the Geographic Change Notes (see "Geographic Changes" under the Geographic Topics section of the Estimates page).

Prepared by Massachusetts Department of Workforce Development
Economic Analysis Office

Source: Population Division, U.S. Census Bureau, Release Date: March, 2010

Annual Estimates of the Population for the 30 Largest Cities and Towns in Massachusetts April 1, 2000 to July 1, 2009

Rank in 2009	Geographic Area	Population Estimates										April 1, 2000		Estimates Base Population April 1, 2000 to July 1, 2009	
		July 1, 2009	July 1, 2008	July 1, 2007	July 1, 2006	July 1, 2005	July 1, 2004	July 1, 2003	July 1, 2002	July 1, 2001	July 1, 2000	Estimates Base	Census	Net Change	Percent Change
		United States	307,006,550	304,374,846	301,579,895	298,593,212	295,753,151	293,045,739	290,326,418	287,803,914	285,081,556	282,171,957	281,424,602	281,421,906	25,581,948
	Massachusetts	6,593,587	6,543,595	6,499,275	6,466,399	6,453,031	6,451,279	6,451,637	6,440,978	6,411,730	6,363,015	6,349,119	6,349,097	244,468	3.9%
1	Boston City	645,169	636,748	622,748	612,192	609,690	607,367	607,871	607,931	602,380	590,433	589,143	589,141	56,026	9.5%
2	Worcester City	182,421	182,596	175,521	175,905	175,129	174,449	173,228	172,650	172,308	172,502	172,517	172,648	9,904	5.7%
3	Springfield City	155,575	155,521	151,342	151,834	151,567	151,504	151,435	151,313	151,222	151,894	152,060	152,082	3,515	2.3%
4	Lowell City	108,780	107,889	106,245	104,443	103,794	103,234	103,223	104,214	103,986	101,686	101,261	101,355	7,519	7.4%
5	Cambridge City	104,400	103,175	102,755	102,372	102,682	103,343	104,019	104,532	105,106	105,185	105,088	105,167	-688	-0.7%
6	Brockton City	93,529	93,145	93,018	93,128	93,364	93,894	94,489	94,848	94,573	94,455	94,308	94,304	-779	-0.8%
7	New Bedford City	91,112	91,055	91,204	91,432	92,099	93,067	93,741	93,833	93,814	93,874	93,881	93,768	-2,769	-2.9%
8	Quincy City	91,073	90,286	89,868	89,733	89,620	90,099	89,955	89,039	88,888	88,350	88,128	88,025	2,945	3.3%
9	Fall River City	90,885	90,782	90,794	90,806	91,240	91,792	92,246	92,376	92,236	92,093	91,937	91,938	-1,052	-1.1%
10	Lynn City	87,532	87,121	86,940	87,058	87,392	88,137	88,993	89,418	89,572	89,223	89,036	89,050	-1,504	-1.7%
11	Newton City	84,600	83,759	83,266	82,729	83,117	83,567	83,947	84,124	83,765	83,789	83,796	83,829	804	1.0%
12	Somerville City	76,460	75,687	75,696	75,659	75,901	76,363	76,748	76,916	77,289	77,512	77,708	77,478	-1,248	-1.6%
13	Lawrence City	70,592	70,239	69,969	69,912	70,646	71,237	71,988	72,303	72,448	72,199	72,062	72,043	-1,470	-2.0%
14	Framingham Town	67,185	66,531	66,155	65,914	66,179	66,433	66,852	66,882	67,113	67,087	66,997	66,910	188	0.3%
15	Haverhill City	61,588	61,182	60,675	60,093	59,926	60,106	60,347	59,750	59,678	59,121	58,971	58,969	2,617	4.4%
16	Waltham City	60,605	60,646	60,325	60,760	60,382	60,277	58,781	58,867	59,007	59,209	59,277	59,226	1,328	2.2%
17	Taunton City	56,845	56,249	55,979	55,828	55,707	54,989	54,396	53,517	52,699	51,952	51,701	51,701	5,144	9.9%
18	Malden City	56,410	56,308	56,131	55,941	55,971	56,287	56,670	56,988	57,136	57,145	57,105	57,107	-695	-1.2%
19	Medford City	56,151	55,657	55,509	55,380	55,737	55,145	55,569	55,895	56,266	56,298	56,259	56,340	-108	-0.2%
20	Revere City	55,994	55,726	56,136	55,948	55,871	55,833	55,793	55,456	54,981	54,735	54,653	54,653	1,341	2.5%
21	Plymouth Town	55,815	55,698	55,645	55,702	55,860	56,109	56,337	56,357	56,217	56,106	56,014	55,976	-199	-0.4%
22	Brookline Town	55,578	55,615	55,545	55,621	55,798	55,548	55,517	55,436	55,684	55,662	55,501	55,765	77	0.1%
23	Chicopee City	54,005	53,788	53,487	53,375	53,425	53,692	53,901	54,154	54,207	54,063	54,009	53,988	-4	0.0%
24	Weymouth Town	51,726	51,415	51,290	51,070	50,478	49,631	49,305	49,476	49,045	48,383	48,162	48,129	3,564	7.4%
25	Peabody City	51,693	51,021	51,051	49,894	49,080	48,927	48,810	48,849	48,502	47,383	47,293	47,283	4,400	9.3%
26	Barnstable Town City	46,297	46,451	46,668	47,066	47,580	48,079	48,564	48,503	48,272	48,052	47,875	(X)	-1,578	-3.3%
27	Methuen City	44,371	44,023	43,713	43,609	43,800	44,068	44,470	44,552	44,435	43,958	43,787	43,789	584	1.3%
28	Attleboro City	43,645	43,418	43,391	43,254	43,208	43,255	43,319	43,043	42,537	42,063	41,936	42,068	1,709	4.1%
29	Pittsfield City	42,432	42,624	42,973	43,117	43,529	44,077	44,406	44,812	45,183	45,699	45,797	45,793	-3,365	-7.3%
30	Billerica Town	42,293	42,020	42,187	41,883	41,979	42,204	42,349	42,269	41,943	41,470	41,333	41,303	960	2.3%

Note: The April 1, 2000 Population Estimates Base reflects modifications to the Census 2000 population as documented in the Count Question Resolution program, updates from the Boundary and Annexation Survey, and geographic program revisions. Dash (-) rep

Annual Estimates of the Population for Massachusetts by County April 1, 2000 to July 1, 2009

Geographic Area	Population Estimates										April 1, 2000		Estimates Base Population April 1, 2000 to July 1, 2009	
	July 1, 2009	July 1, 2008	July 1, 2007	July 1, 2006	July 1, 2005	July 1, 2004	July 1, 2003	July 1, 2002	July 1, 2001	July 1, 2000	Estimates Base	Census	Net Change	Percent Change
Massachusetts	6,593,587	6,543,595	6,499,275	6,466,399	6,453,031	6,451,279	6,451,637	6,440,978	6,411,730	6,363,015	6,349,119	6,349,097	244,468	3.9%
Barnstable County	221,151	221,521	222,246	223,351	224,877	226,728	228,038	226,893	224,928	223,245	222,234	222,230	-1,083	-0.5%
Berkshire County	129,288	129,571	130,219	130,494	131,268	132,052	132,672	133,101	133,723	134,787	134,953	134,953	-5,665	-4.2%
Bristol County	547,433	545,810	544,487	543,634	544,688	545,460	545,819	542,717	538,299	536,008	534,682	534,678	12,751	2.4%
Dukes County	15,974	15,772	15,627	15,487	15,517	15,520	15,487	15,380	15,201	15,072	14,987	14,987	987	6.6%
Essex County	742,582	737,365	733,066	731,174	730,256	730,901	732,303	733,096	730,782	725,379	723,421	723,419	19,161	2.6%
Franklin County	71,778	71,877	71,771	71,774	71,929	71,933	71,870	71,830	71,593	71,499	71,535	71,535	243	0.3%
Hampden County	471,081	469,204	467,756	466,944	465,871	464,622	463,442	460,848	457,723	456,573	456,226	456,228	14,855	3.3%
Hampshire County	156,044	155,788	155,198	154,648	154,124	153,998	153,845	153,011	152,304	152,381	152,255	152,251	3,789	2.5%
Middlesex County	1,505,006	1,487,636	1,475,519	1,467,985	1,465,156	1,467,576	1,470,427	1,473,966	1,476,773	1,468,934	1,466,396	1,465,396	38,610	2.6%
Nantucket County	11,322	11,272	11,060	10,803	10,608	10,536	10,305	10,076	9,742	9,574	9,520	9,520	1,802	18.9%
Norfolk County	666,303	661,359	656,122	652,750	650,996	652,283	652,781	654,144	653,482	651,227	650,306	650,308	15,997	2.5%
Plymouth County	498,344	494,353	491,361	489,241	488,267	486,640	485,444	483,209	478,981	474,414	472,822	472,822	25,522	5.4%
Suffolk County	753,580	742,724	728,819	715,799	712,228	710,282	711,144	711,464	705,348	691,238	689,809	689,807	63,771	9.2%
Worcester County	803,701	799,343	796,024	792,315	787,246	782,748	778,060	771,243	762,851	752,684	749,973	750,963	53,728	7.2%

Note: The April 1, 2000 estimates base reflects changes to the Census 2000 population resulting from legal boundary updates, other geographic program changes, and Count Question Resolution actions. All geographic boundaries for the 2009 population estimates series are defined as of January 1, 2009.

**Cumulative Estimates of the Components of Population Change for Counties of Massachusetts
April 1, 2000 to July 1, 2009**

Geographic Area	Total Population Change*	Natural Increase	Vital Events		Net Migration		
			Births	Deaths	Total	International**	Domestic
Massachusetts	244,468	220,701	729,448	508,747	-31,623	245,145	-276,768
Barnstable County	-1,083	-7,278	18,189	25,467	7,503	3,161	4,342
Berkshire County	-5,665	-2,548	11,642	14,190	-2,251	1,219	-3,470
Bristol County	12,751	14,343	60,902	46,559	1,642	6,161	-4,519
Dukes County	987	299	1,513	1,214	762	487	275
Essex County	19,161	26,869	86,145	59,276	-3,304	23,241	-26,545
Franklin County	243	396	6,327	5,931	287	1,071	-784
Hampden County	14,855	11,872	53,487	41,615	-2,806	12,495	-15,301
Hampshire County	3,789	566	11,653	11,087	4,109	3,250	859
Middlesex County	38,610	64,234	167,999	103,765	-24,296	78,157	-102,453
Nantucket County	1,802	833	1,415	582	494	460	34
Norfolk County	15,997	21,986	73,676	51,690	-1,928	19,405	-21,333
Plymouth County	25,522	19,535	56,868	37,333	8,703	6,987	1,716
Suffolk County	63,771	39,742	87,710	47,968	-35,725	66,489	-102,214
Worcester County	53,728	29,852	91,922	62,070	15,187	22,562	-7,375

*Total population change includes a residual. This residual represents the change in population that cannot be attributed to any specific demographic component. See State and County Terms and Definitions at <http://www.census.gov/popest/topics/terms/states.html>.

**Net international migration includes the international migration of both native and foreign-born populations. Specifically, it includes: (a) the net international migration of the foreign born, (b) the net migration between the United States and Puerto Rico, (c) the net migration of natives to and from the United States, and (d) the net movement of the Armed Forces population between the United States and overseas.

Note: The April 1, 2000 estimates base reflects changes to the Census 2000 population resulting from legal boundary updates, other geographic program changes, and Count Question Resolution actions. All geographic boundaries for the 2009 population estimates series are defined as of January 1, 2009.

**Massachusetts Workforce Area Place of Residence to Place of Work
2000 Census Work Flow for Workers 16 Years and Older**

	Workers 16 Years Old and Over	
	Number	Percent
Total Residents in Massachusetts	3,102,837	100.00%
Where Massachusetts Residents Work:		
Massachusetts	3,001,756	96.74%
Berkshire County	61,712	1.99%
Boston	501,213	16.15%
Bristol County	121,647	3.92%
Brockton	87,452	2.82%
Cape and Islands	105,049	3.39%
Central Mass	223,668	7.21%
Franklin/Hampshire	104,133	3.36%
Greater Lowell	103,718	3.34%
Greater New Bedford	75,837	2.44%
Hampden County	192,254	6.20%
Lower Merrimack Valley	114,124	3.68%
Metro North	365,605	11.78%
Metro South/West	504,132	16.25%
North Central	86,396	2.78%
North Shore	159,467	5.14%
South Shore	195,349	6.30%
New England States and New York		
Connecticut	89,567	2.89%
Maine	27,003	0.87%
New Hampshire	898	0.03%
New York	23,505	0.76%
Rhode Island	5,036	0.16%
Vermont	31,506	1.02%
	1,619	0.05%
Other States	9,887	0.32%
Outside the U.S.A.	1,627	0.05%

Prepared by Massachusetts Department of Workforce Development
Economic Analysis Office

Source: U.S. Census Bureau, Release Date: July 25, 2003

**Massachusetts Workforce Area Place of Work by Place of Residence
2000 Census Work Flow for Workers 16 Years and Older**

	Workers 16 Years Old and Over	
	Number	Percent
Total Working in Massachusetts	3,178,497	100.00%
Where Massachusetts Workers Reside:		
Massachusetts	3,001,756	94.44%
Berkshire County	61,101	1.92%
Boston	275,507	8.67%
Bristol County	152,124	4.79%
Brockton	111,393	3.50%
Cape and Islands	110,290	3.47%
Central Mass	250,770	7.89%
Franklin/Hampshire	121,114	3.81%
Greater Lowell	127,365	4.01%
Greater New Bedford	88,941	2.80%
Hampden County	181,595	5.71%
Lower Merrimack Valley	137,369	4.32%
Metro North	388,649	12.23%
Metro South/West	437,994	13.78%
North Central	111,728	3.52%
North Shore	194,313	6.11%
South Shore	251,503	7.91%
New England States and New York	165,660	5.21%
Connecticut	14,045	0.44%
Maine	5,048	0.16%
New Hampshire	81,490	2.56%
Rhode Island	56,138	1.77%
New York	6,049	0.19%
Vermont	2,890	0.09%
Other States	11,081	0.35%

Prepared by Massachusetts Department of Workforce Development
Economic Analysis Office

Source: U.S. Census Bureau, Release Date: July 25, 2003



Commonwealth of Massachusetts
Executive Office of Labor and
Workforce Development
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