

## Geo-Tech™ Capacity and Local Workforce Demographics

Three Geo-workforce™ demographics shed practical understanding on the technical capacity of a local workforce. Industry, occupation, and skill demographics provide a better way to understand the tech capacity of a location.

**Industry Employment:** To learn more about the technical capacity of the local workforce, start with the overall [workforce profile](#) and [labor market summary](#), which breakdown local employment into 20 standard industries. Included are employment counts by industry within a local workforce, which provide information about industries that require technical and technological skills.

The table and pie chart below show total industry employment (123,408 workers) for an urban location in the northeastern United States. They indicate the number and percent employed in each industry, including manufacturing, information, and health care, as well as what is referred to as the professional, scientific, and technical services industry.

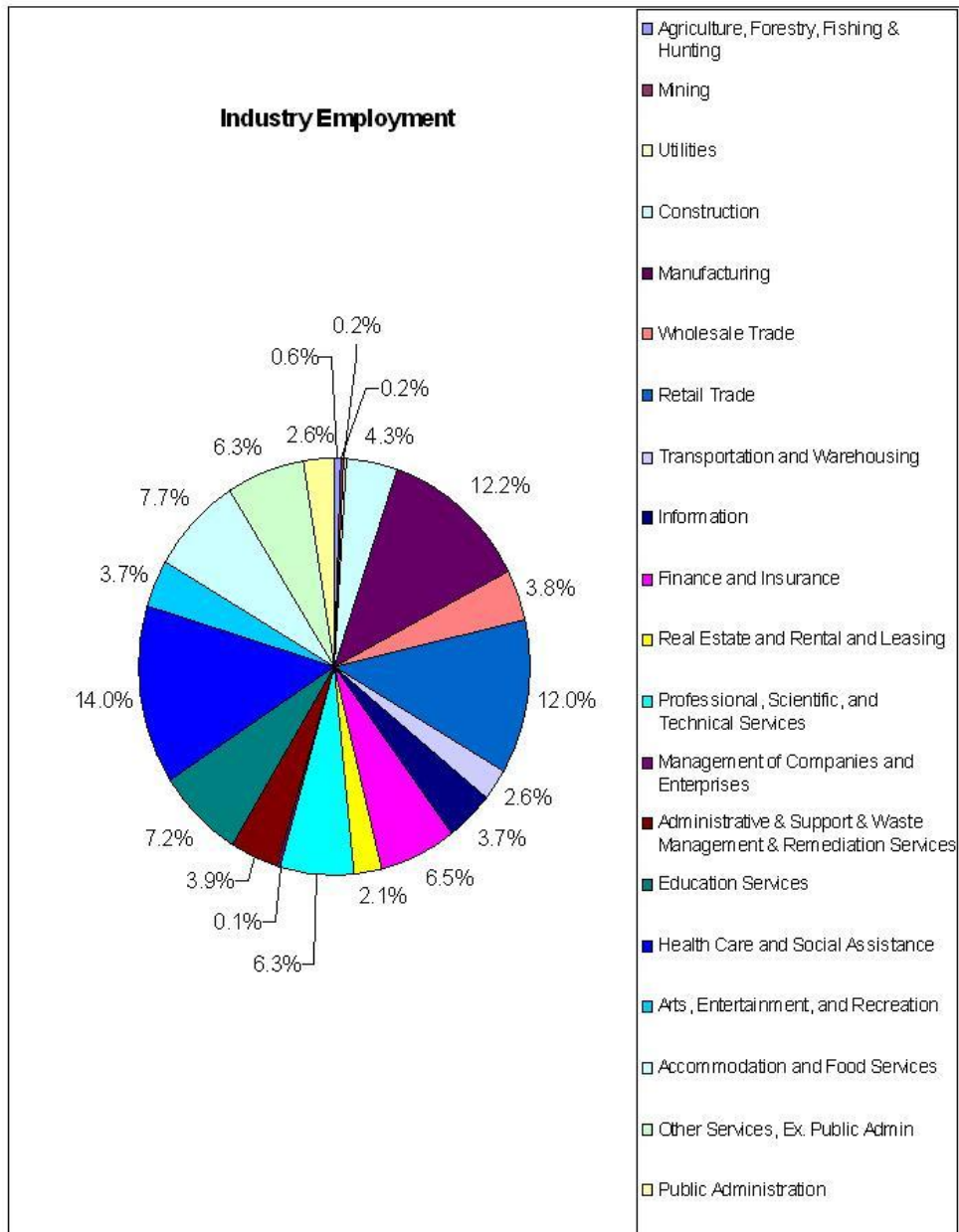
### Breakdown of Local Employment into 20 Industries

2007 Industry Employment	Number	Percent
Total Industry Employment	123,408	
Agriculture, Forestry, Fishing & Hunting	709	0.6%
Mining	276	0.2%
Utilities	209	0.2%
Construction	5,339	4.3%
Manufacturing	15,084	12.2%
Wholesale Trade	4,652	3.8%
Retail Trade	14,810	12.0%
Transportation and Warehousing	3,259	2.6%
Information	4,590	3.7%
Finance and Insurance	8,080	6.5%
Real Estate and Rental and Leasing	2,561	2.1%
Professional, Scientific, and Technical Services	7,757	6.3%
Management of Companies and Enterprises	134	0.1%
Administrative/Support/Waste Mgt & Remediation Servs.	4,765	3.9%
Education Services	8,879	7.2%
Health Care and Social Assistance	17,279	14.0%
Arts, Entertainment, and Recreation	4,532	3.7%
Accommodation and Food Services	9,502	7.7%
Other Services, Ex. Public Admin	7,738	6.3%
Public Administration	3,253	2.6%

Source: Workforce Strategies, Inc.

Copyright ©2008 [Workforce Strategies, Inc.](#)

This material cannot be republished without permission from [Workforce Strategies, Inc.](#)



Source: Workforce Strategies, Inc.

**Occupation Employment:** A [workforce occupation profile](#) is a thorough and quick look at a location’s occupational employment. It aggregates the workforce into 92 broader occupation categories showing employment counts for scientists, engineers, technicians, computer specialists, production, skilled workers, and more. In addition, the Workforce Occupation Index™ (WOI) is also included, which indicates the employment concentration of each when compared to the U.S. figures.

Drilling further down:

- The [high-tech occupation profile](#) can then be used to look at geographic employment numbers and concentrations for 71 high-tech and technical occupations in a local workforce.
- The [workforce profile](#) narrows the list by showing the top 10 high-tech occupations in terms of the highest number of employees. (The table below shows employee counts for a county located in the southern part of the United States.)
- The [industrial-manufacturing occupation](#) profile shows employee numbers and their concentration for 110 production-related occupations.
- The other [industry-specific occupation profiles](#), such as health care, show related employee counts.

### Top 10 High-Tech Occupations by Highest Number of Employees

Employment in Top 10 High-Tech Occupations	Number	Percent	Workforce Occupation Index™
Computer support specialists	1,617	0.4%	102
Computer systems analysts	1,526	0.4%	111
Computer software engineers, applications	1,449	0.4%	96
Computer programmers	1,283	0.3%	100
Computer software engineers, systems software	1,064	0.3%	99
Network and computer systems administrators	907	0.2%	103
Computer and information systems managers	813	0.2%	98
Mechanical engineers	721	0.2%	108
Network systems and data communications analysts	646	0.2%	112
Engineering managers	593	0.2%	109

**Data Note:** The Workforce Occupation Index™ (WOI) indicates concentration relative to a national average of 100.

**Source:** Workforce Strategies, Inc.

**Geographic Skill Employment:** The [Geo-Technical Skills](#)™ report shows employment numbers for 11 technical skills. It indicates the significance of each skill in the local workforce and includes the portion, employment number, and percent of the workforce where that skill is significant to an area’s job performance and workplace. The Geo-Skills Index™ compares each skill’s employment concentration to the U.S. figures.

Quality control analysis, programming, and technology design are some of the skills included in the geo-technical skills™ analysis.

Using these three geo-workforce demographics (industry, occupation, and skill employment), in combination with one’ existing human resource knowledge and tools, provides a broader understanding of any location’s technical capacity.