



The Innovation Crescent: Distribution & Logistics

Georgia Work Ready Regions
Policy Academy



**Innovation Crescent
Economic and Workforce Profile
Executive Summary**

Executive Briefing

Highlights of population and labor force trends, labor force quality, target industry and occupation trends are excerpted below, followed by a detailed analysis of the region's workforce supply and demand.

Population Trends

- The region is adding people at a higher rate than both the state and the US.
- Barrow, Gwinnett, Jackson, and Walton, most of which are part of the Atlanta metropolitan area, are the region's fastest-growing counties.
- The region attracted 463,613 in-migrants between 2005 and 2006. More than half of these in-migrants came from other parts of Georgia.
- A higher than average proportion of the population is aged 35-44 years, demonstrating the region's success in attracting working-age adults.
- The population is becoming more diverse, with significant growth among Hispanics and Asians. This growth is expected to slow during the next five years, but the same patterns are expected to continue.

Labor Force Trends

- Between 2007 and 2008, the region's labor force growth rate (0.1 percent) trailed the state average of 1.4 percent but matched the US growth rate of 0.1 percent.
- Labor force participation rates have remained relatively steady over the past few years, and the labor turnover rate has declined during the past six years, staying below the state average for all industries.
- The labor turnover rate for most of its targeted industries is also lower than the state rate in the same industry, with the exception of specialized freight trucking.
- Of the targeted industries, specialized freight trucking saw the highest rate of growth at 1.0 percent between 2000 and 2006. This growth rate however lagged behind the statewide growth rate of 3.0 percent during the same period.

Labor Force Quality

- Average annual earnings for the region's workers in 2005 were \$46,575, greater than both the state (\$38,632) and the nation (\$40,170). In addition, growth in earnings since 1995 outpaced that of the state and US.
- The number of self-employed proprietors has increased by 4.4 percent over the past decade, generating an average of \$41,330 per worker per year. The highest concentration of sole proprietorships is in Madison and Oglethorpe counties.
- Fourteen percent of area residents aged 25 and above have not completed high school as compared with 16 percent for the US and 18 percent for Georgia.

Industry and Occupation Trends

- The region's largest industry sectors in 2007 were Trade, Transportation, and Utilities (21.8 percent of total employment), followed by Professional and Business Services (19.2 percent).
- Combined, the region's targeted industries gained 7,358 jobs during the past five years and are expected to add an additional 12,284 jobs by 2017.
- The earnings offered by these sectors are lower than average, with warehousing and storage offering an average of \$53,187 per worker, compared to the 2007 regional average earnings level of \$59,106. Within truck transportation, general freight trucking offered \$52,385 annually, while workers in specialized freight trucking earned an average of \$43,718 annually.
- Among the key occupations found in the targeted industries, heavy and tractor-trailer truck drivers remain one of the most important occupations. There will be an estimated net increase of over 6,000 heavy and tractor-trailer truck drivers between 2002 and 2017.
- To support the growth of the four key industries, the region will demand both new and replacement workers in the following occupations: customer service representatives, laborers and freight, stock, and hand material movers, general office clerks, general and operations managers, stock clerks & order fillers, and heavy and tractor-trailer truck drivers.
- 17 different institutions in the region offered a bachelor's degree in business administration and management, including Georgia Tech, Georgia State, Emory, and the University of Georgia. Several of the region's Technical Colleges offer an associate's degree in accounting and technical bookkeeping. DeKalb and Athens Technical Colleges offer one-year training programs in truck/bus driver and commercial vehicle operation.

Research Summary

Georgia's Innovation Crescent is a 13-county region located in the metropolitan Atlanta and Athens areas. The counties – Barrow, Clarke, Clayton, Cobb, DeKalb, Fulton, Gwinnett, Jackson, Madison, Morgan, Oconee, Oglethorpe, and Walton – stretch from the immediate Metropolitan Atlanta boundary on the west through the Athens area in the east, nestled between I-85 and I-20. The Innovation Crescent's leaders are focusing their workforce ready initiatives on the following distribution and logistics industries: truck transportation (and its two primary subsets—general freight trucking and specialized freight trucking) and warehousing and storage.

Population Trends

The Innovation Crescent has a population of about 3.8 million and is expected to grow to well over 4 million people within the next five years. The region's population is growing at an annual rate of 2.6 percent, higher than the growth rates of both the state of Georgia (2.2 percent) and the US (1.0 percent). The fastest growing counties are Barrow, Gwinnett, Jackson, and Walton. Of these, only Jackson County is not part of the Atlanta metropolitan area.

The region's labor force grew by 1.7 percent between 2007 and 2008. This rate is greater than Georgia's statewide growth rate of 1.4 percent and the U.S growth rate of 0.1 percent. The region's unemployment rate rose to 5.0 percent in January 2008 from 4.4 percent in January 2007. This trend reflects the overall softening of the economy that has resulted in increased unemployment rates for the US and Georgia during that same period. However, the Innovation Crescent's unemployment rate remains below the statewide and nationwide rates.

Despite the economic downturn, labor force participation rates have been relatively steady over the past several years, suggesting that those seeking work were able to find it. Furthermore, labor turnover rates have declined during the past six years from 12.8 percent in 2000, to 10.5 percent in 2006, below the state average of 11.2 percent. A number of possible reasons could explain this lower turnover rate – the relative satisfaction of workers in their jobs, the relative mix of industries in the region, or the lack of opportunity for workers who might otherwise seek alternative employment.

The region also attracts in-migrating people from both inside Georgia and from the rest of the nation. In 2006, 463,613 people moved to the region while 406,430 moved from the region, representing a net gain of 57,183 people from migration alone. More than half of these in-migrants came from other parts of Georgia. A major factor attracting people to the region is its several suburban Atlanta counties, which have grown rapidly as the metro area continues to sprawl outward. On average, in-migrants had incomes that were 15 percent lower than the income of out-migrants.

When compared to the rest of the state, the region has a much higher proportion of its population in the 35-44 year old demographic—17.1 percent compared with the state-wide average of 15.6 percent. The relatively large number of working age people provides the region with an advantage over many other parts of the state. Barrow, Fulton and Oconee counties have the highest percentage of working age adults, those in the 25-34 and 35-44 year old brackets. Both counties are in the immediate metropolitan Atlanta area. In terms of future growth, Clarke County has the highest number of people in the 15-24 year old demographic, due in part to the University of Georgia in Athens. Provided the region can retain a significant proportion of this population to meet its workforce needs, it will be well-positioned for the future.

The region is also becoming more diverse as growth among African Americans, Hispanics, and Asians outpaces that of whites in the region. Of the 549,009 person increase during the past six years, the region added an estimated 128,882 Hispanics, 242,048 African Americans, and 59,011 Asians. With a decline of 8,987 people, whites now make up less than 50 percent of the region's population. Although growth is expected to slow during the next five years, all ethnic groups are expected to add population. African Americans will remain the largest ethnic minority group, followed by Hispanics.

Labor Force Trends

Between 2000 and 2006, the Innovation Crescent had a net increase of 10,024 jobs. Of the targeted industries, specialized freight trucking saw the highest rate of growth at 1.0 percent between 2000 and 2006. This growth rate however lagged behind the statewide growth rate of 3.0 percent during the same period. Of the targeted industries, only warehousing and storage had a growth rate—0.9 percent—that surpassed the state rate of 0.8 percent. The other target industries declined in the region with the general freight trucking industry experiencing similar declines within the state.

As noted earlier, the region's labor force turnover rate for all industries is lower than the state rate. The labor turnover rate for most of its targeted industries is also lower than the state rate in the same industry. The one exception is specialized freight trucking, where the labor turnover rate was 14.2 percent in 2006. This rate was marginally higher than the industry's state average of 14 percent. Meanwhile, the turnover rate in warehousing and storage was only 7.3 percent, compared to the state-wide average of 10.5 percent. Turnover rates in the other targeted industries are also lower than in the rest of the state.

The proportion of the Innovation Crescent workforce aged 19-24 is 11.1 percent, lower than the statewide average of 11.7 percent. Within the region, this demographic group represents a larger segment of the workforce in the targeted industries, than it does statewide. For instance, 5.5 percent of the region's truck transportation industry falls within the 19-24 age cohort, as compared to 5.1 percent statewide. Only in the warehousing and distribution industry does the region have a smaller proportion of workers in the 19 to 24 age cohort than the proportion statewide. Among more experienced workers, there is a slightly lower proportion of area workers aged 55-64 than in the state workforce (which has about 12.1 percent of its numbers counted among 55-64 year olds). In the three industries related to trucking, the proportion of the region's workforce in the 55 to 64 age cohort is smaller than the proportion for the state. This indicates that over the next ten years, the state may be more impacted by the retirement of trucking workers than the region. The targeted industries in the Work Ready Region are overwhelmingly male-dominated industries. Males account for over 75 percent of workers within the trucking industry and almost 62 percent of the warehousing and storage industry.

Labor Force Quality

Measuring the quality of the labor force available is a challenge because so few indicators exist to do so. One measure of quality is related to the relative wages that workers can attain. In theory, businesses will pay higher wages for relatively higher skill workers. In addition, employers are increasingly demanding more entrepreneurial behavior, so another indicator that might be used is the proportion of the population that is self-employed. Educational attainment is also a commonly used measure of the ability of workers to learn and adapt, another highly prized characteristic in the workforce.

In 2005, average income earnings in the Innovation Crescent region were more than 20 percent above the state-wide average. On average, workers in this region earned \$46,575 per year compared with \$38,632 statewide. Worker earnings grew by just over 20 percent between 1995 and 2005, less than the 28 percent increase in the US Consumer Price Index (representing the rate of inflation) during the same time period. However, this increase is higher than both the 18 percent increase in earnings for all Georgia wage earners and the US increase of 14 percent in earnings between 1995 and 2005.

An ever increasing share of the local labor market is engaged in self-employment as a way to earn a living or supplement current wages. Self-employed proprietors account for 16.8 percent of the jobs in the Innovation Crescent, up from 12.4 percent just a decade ago. In 2005, these jobs generated an average of \$41,330 per year for the Innovation Crescent job-holders, up from \$35,617 in 1995. By comparison, about 19 percent of US jobs and 18 percent of Georgia jobs represent proprietorships. These proprietorships bring lower income earning potential, offering \$27,315 per year for Georgia proprietors and \$29,130 for proprietors across the US. The largest concentration of proprietorships in the region is in Madison and Oglethorpe counties, representing just over 47 percent of Madison's total employment and slightly more than 38 percent of Oglethorpe's employment.

About 38.7 percent of the Innovation Crescent's workforce has a high school degree or less education. This figure is 48 and 46 percent for Georgia and the US respectively. Fourteen percent of area residents aged 25 and above have not completed high school as compared with 16 percent for the US and 18 percent for Georgia.

Industry and Occupation Trends

Between 2002 and 2007, the targeted industries—truck transportation (and its subsets general freight trucking and specialized freight trucking) and warehousing and storage—gained a combined 7,358 jobs. During this period, both truck transportation and warehousing and storage added approximately 3,700 net new jobs. Within the truck transportation region, general freight trucking accounted for 78.5 percent of the net new jobs. The bulk of jobs in the targeted industries are located in Clayton, Cobb, DeKalb, Fulton, and Gwinnett counties. Between 2002 and 2007, the greatest employment increases occurred in DeKalb County. Gwinnett County had a sizable increase in truck transportation employment, but a net decline in warehousing and storage, while in Clayton and Fulton counties those trends were reversed.

The earnings offered by these sectors are lower than average, with warehousing and storage offering an average of \$53,187 per worker, compared to the 2007 regional average earnings level of \$59,106. Within truck transportation, general freight trucking offered \$52,385 annually, while workers in specialized freight trucking earned an average of \$43,718 annually.

Among the key occupations found in the targeted industries, heavy and tractor-trailer truck drivers remain one of the most important occupations. There will be an estimated net increase of over 6,000 truck drivers between 2002 and 2017. In addition to heavy and tractor-trailer drivers, other occupations within the distributions that are projected to add significant net employment include: Laborers and freight, stock, and hand material movers, light or delivery services truck drivers, industrial truck and tractor operators, driver/sales workers and stock clerks & order fillers. Each of these occupations is projected to add a minimum of 500 net new jobs between 2002 and 2017.

Newly created jobs represent only a portion of the available jobs that the region's workforce will need to fill. In addition, many existing jobs will need replacements as workers retire or leave their

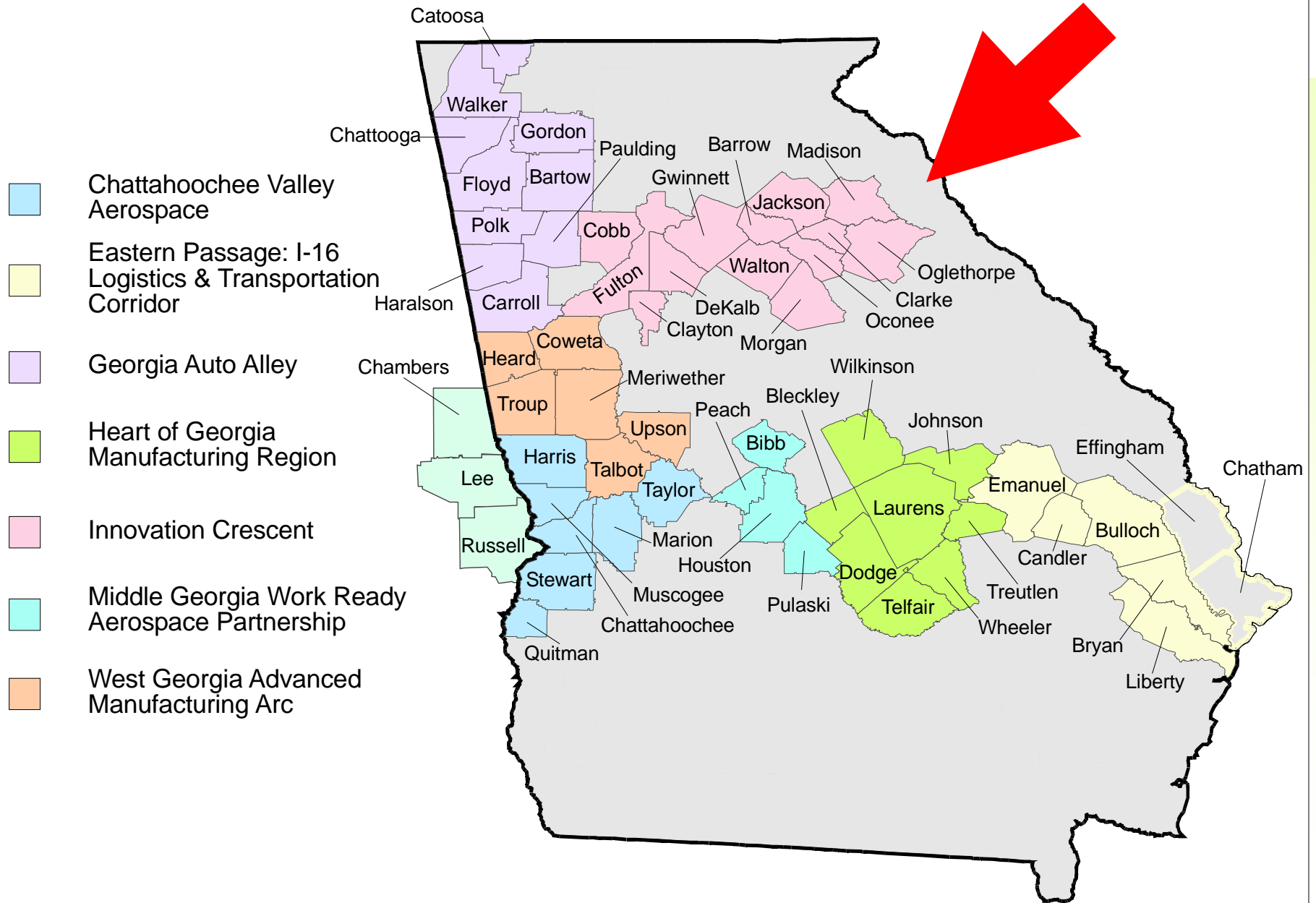
current occupation. Accounting for the new and replacement jobs, the region's targeted industries will demand a ready workforce in several occupations: Customer service representatives, Laborers and freight, stock, and hand material movers, general office clerks, general and operations managers, stock clerks & order fillers, and heavy and tractor-trailer truck drivers.

The expected regional demand for these occupations is:

Occupation	Avg. Annual No. of New & Replacement Jobs, 2002-17	Average Hourly Entry Earnings, 2007	Median Hourly Earnings, 2007
Customer service representatives	2,861	\$17.00	\$10.99
Laborers & freight, stock, & material movers, hand	1,999	\$11.17	\$7.61
Office clerks, general	1,571	\$12.59	\$7.46
General & operations mgrs	1,327	\$39.04	\$21.23
Stock clerks & order fillers	1,142	\$11.48	\$8.26
Truck drivers, heavy & tractor-trailer	1,110	\$20.25	\$12.98

Several training programs are available in the area's universities and community colleges to supply adequately trained workers to meet the needs of the targeted industries. For instance, 17 different institutions in the region offered a bachelor's degree in business administration and management, including Georgia Tech, Georgia State, Emory, and the University of Georgia. Several of the region's Technical Colleges such as DeKalb, Gwinnett, Chattahoochee and Athens Technical Colleges offer an associate's degree in accounting and technical bookkeeping. Importantly, DeKalb and Athens Technical Colleges offer one-year training programs in truck/bus driver and commercial vehicle operation. Demand is high for those workers with adequate skills and knowledge to support the growth of key industries in the region. It is essential for regional leaders to identify ways to link those training opportunities with industry needs.

Georgia Work Ready Regions





Key Workforce Data

A. Workforce Supply Characteristics

1. Source of Labor
2. Target Industry Labor Force Trends
3. Labor Force Quality

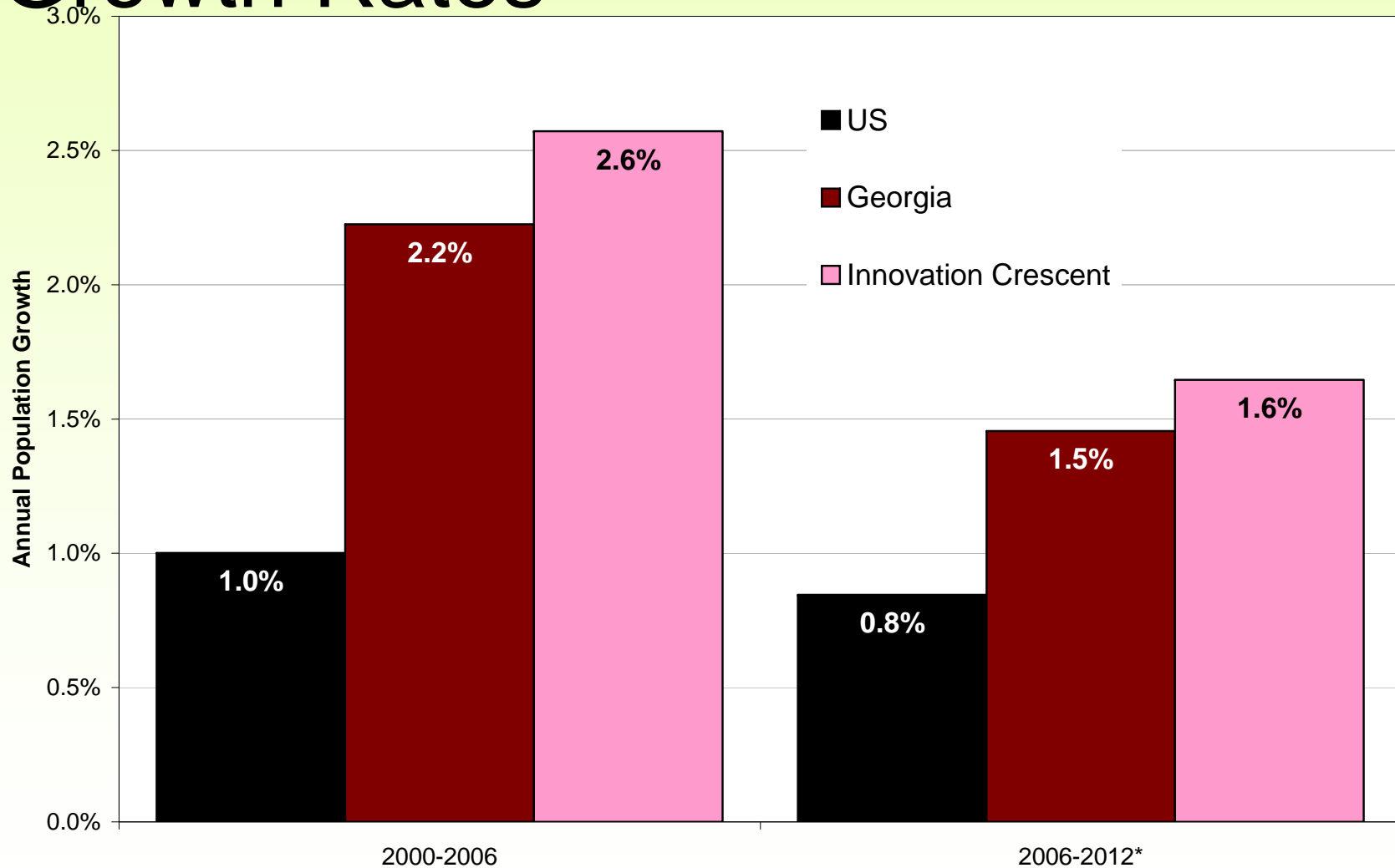
B. Workforce Demand Characteristics

4. Industry Demand
5. Occupational Demand

1. Source of Labor



1A. Annual Population Growth Rates



Source: US Census Bureau, EMSI; *Estimated

1A. Annual Population Growth Rates



1A. Innovation Crescent: Population Trends and Growth Rates

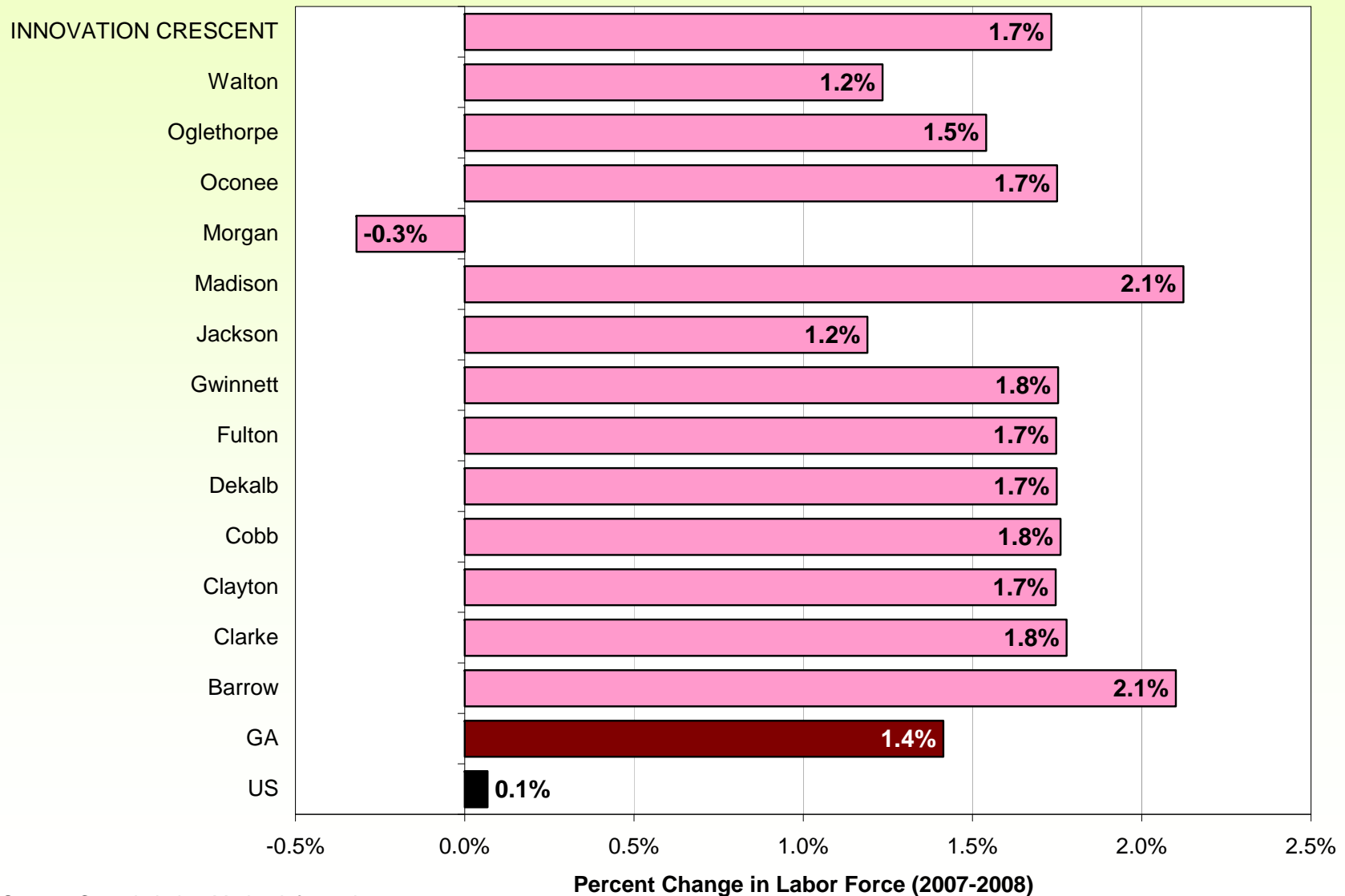
County	2000	2006	2012*	Annual Growth Rate 2000-2006	Annual Growth Rate 2006-2012*
Barrow	46,566	63,702	75,675	5.4%	2.9%
Clarke	101,711	112,787	120,664	1.7%	1.1%
Clayton	236,517	271,240	297,198	2.3%	1.5%
Cobb	607,751	679,325	727,484	1.9%	1.1%
DeKalb	668,450	723,602	766,101	1.3%	1.0%
Fulton	815,821	960,009	1,066,092	2.7%	1.8%
Gwinnett	596,659	757,104	876,265	4.0%	2.5%
Jackson	41,920	55,778	64,967	4.9%	2.6%
Madison	25,865	27,837	29,310	1.2%	0.9%
Morgan	15,512	17,908	19,607	2.4%	1.5%
Oconee	26,410	30,858	33,976	2.6%	1.6%
Oglethorpe	12,721	13,997	14,857	1.6%	1.0%
Walton	61,625	79,388	91,614	4.3%	2.4%
Innovation Crescent	3,257,528	3,793,535	4,183,810	2.6%	1.6%
<i>Georgia</i>	<i>8,186,453</i>	<i>9,342,080</i>	<i>10,187,720</i>	<i>2.2%</i>	<i>1.5%</i>
<i>US</i>	<i>281,421,906</i>	<i>298,754,819</i>	<i>314,239,182</i>	<i>1.0%</i>	<i>0.8%</i>

Source: US Census Bureau, EMSI Demographic Projections

*Estimated



1B. Labor Force Size (Change)



Source: Georgia Labor Market Information

1B. Labor Force Size and Unemployment

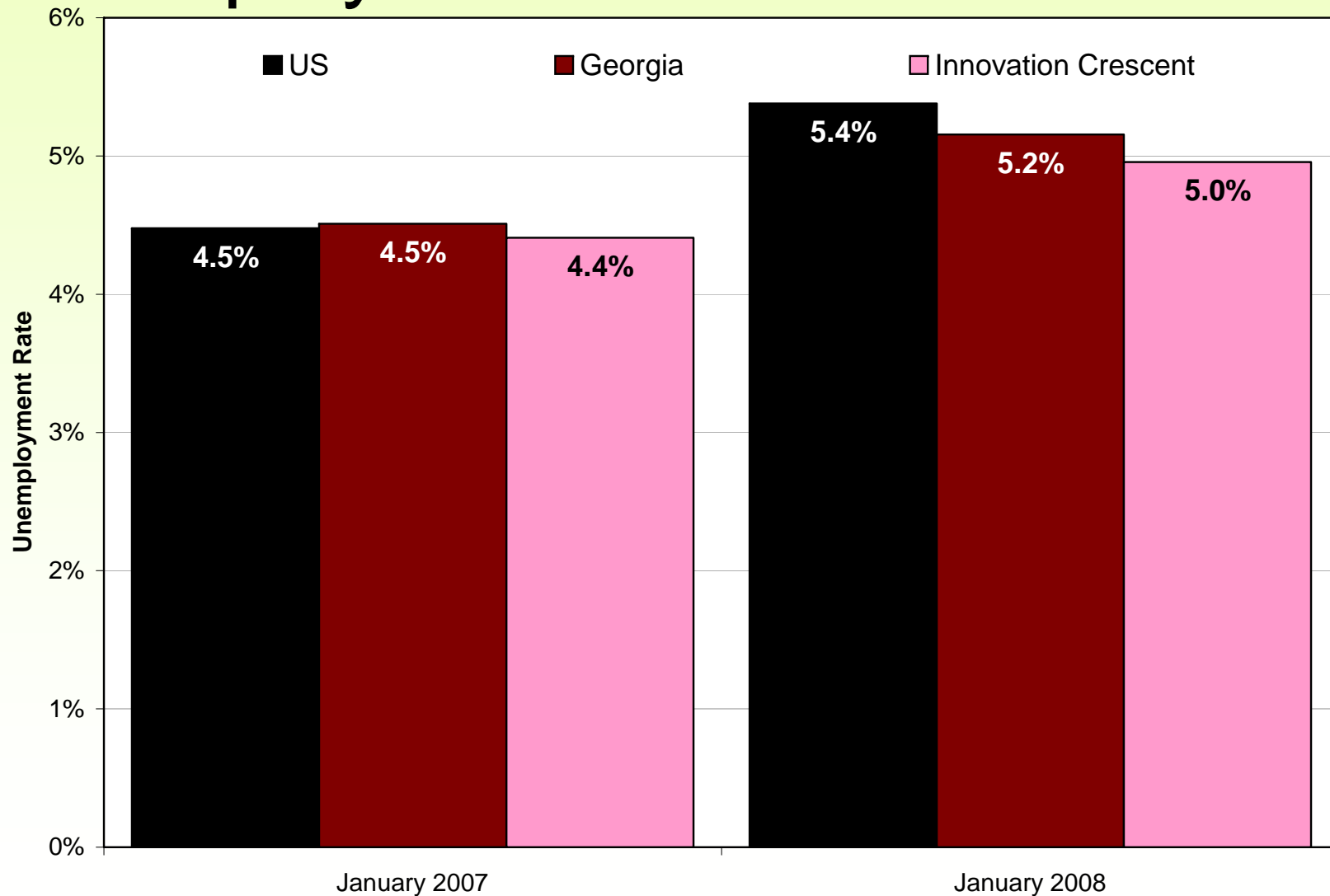


1B. Innovation Crescent: Labor Force Size and Unemployment

County	2007				2008			
	Labor Force	Employment	Unemployment	Unemployment Rate	Labor Force	Employment	Unemployment	Unemployment Rate
Barrow	32,846	31,469	1,377	4.2%	33,536	31,828	1,708	5.1%
Clarke	63,108	60,510	2,598	4.1%	64,230	61,293	2,937	4.6%
Clayton	138,404	130,820	7,584	5.5%	140,820	132,312	8,508	6.0%
Cobb	381,504	366,628	14,876	3.9%	388,218	370,809	17,409	4.5%
Dekalb	394,802	376,231	18,571	4.7%	401,705	380,522	21,183	5.3%
Fulton	483,166	460,320	22,846	4.7%	491,606	465,570	26,036	5.3%
Gwinnett	419,402	403,205	16,197	3.9%	426,753	407,804	18,949	4.4%
Jackson	26,304	25,260	1,044	4.0%	26,617	25,272	1,345	5.1%
Madison	15,547	14,976	571	3.7%	15,877	15,170	707	4.5%
Morgan	9,391	8,995	905	9.6%	9,361	8,886	475	5.1%
Oconee	17,546	17,013	533	3.0%	17,853	17,233	620	3.5%
Oglethorpe	7,660	7,366	294	3.8%	7,778	7,461	317	4.1%
Walton	40,356	38,265	2,091	5.2%	40,854	38,702	2,152	5.3%
Innovation Crescent	2,030,036	1,941,058	89,487	4.4%	2,065,208	1,962,862	102,346	5.0%
<i>Georgia</i>	<i>4,786,723</i>	<i>4,570,887</i>	<i>215,836</i>	<i>4.5%</i>	<i>4,854,406</i>	<i>4,604,111</i>	<i>250,295</i>	<i>5.2%</i>
<i>US</i>	<i>152,725,000</i>	<i>145,888,000</i>	<i>6,837,000</i>	<i>4.5%</i>	<i>152,828,000</i>	<i>144,607,000</i>	<i>8,221,000</i>	<i>5.4%</i>

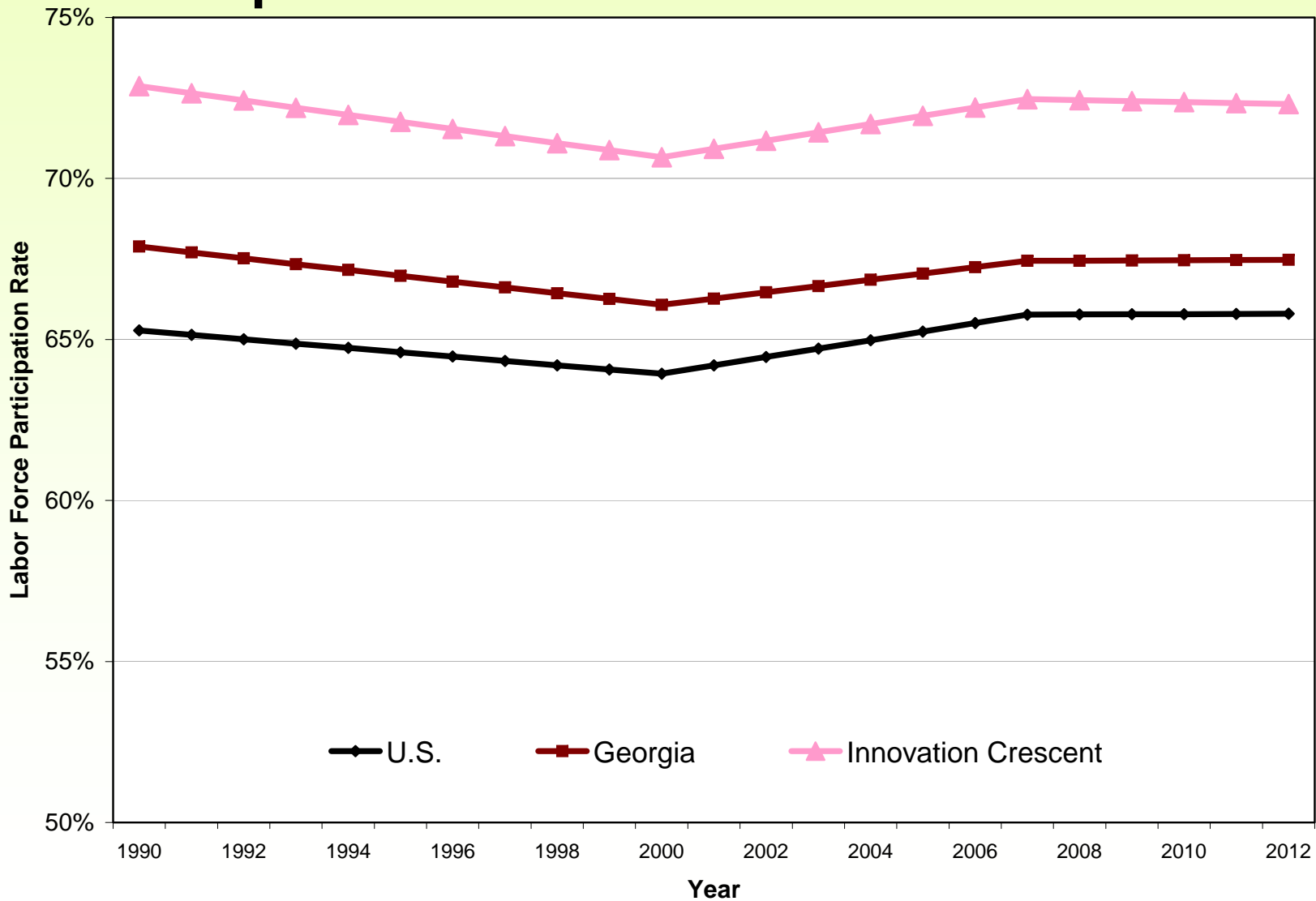
Source: Georgia Labor Market Information

1C. Regional Unemployment Rates



Source: Georgia Labor Market Information

1D. Labor Force Participation Rates



Source: DemographicsNow

1D. Labor Force Participation Rates



1D. Innovation Crescent: Labor Force Participation Rates

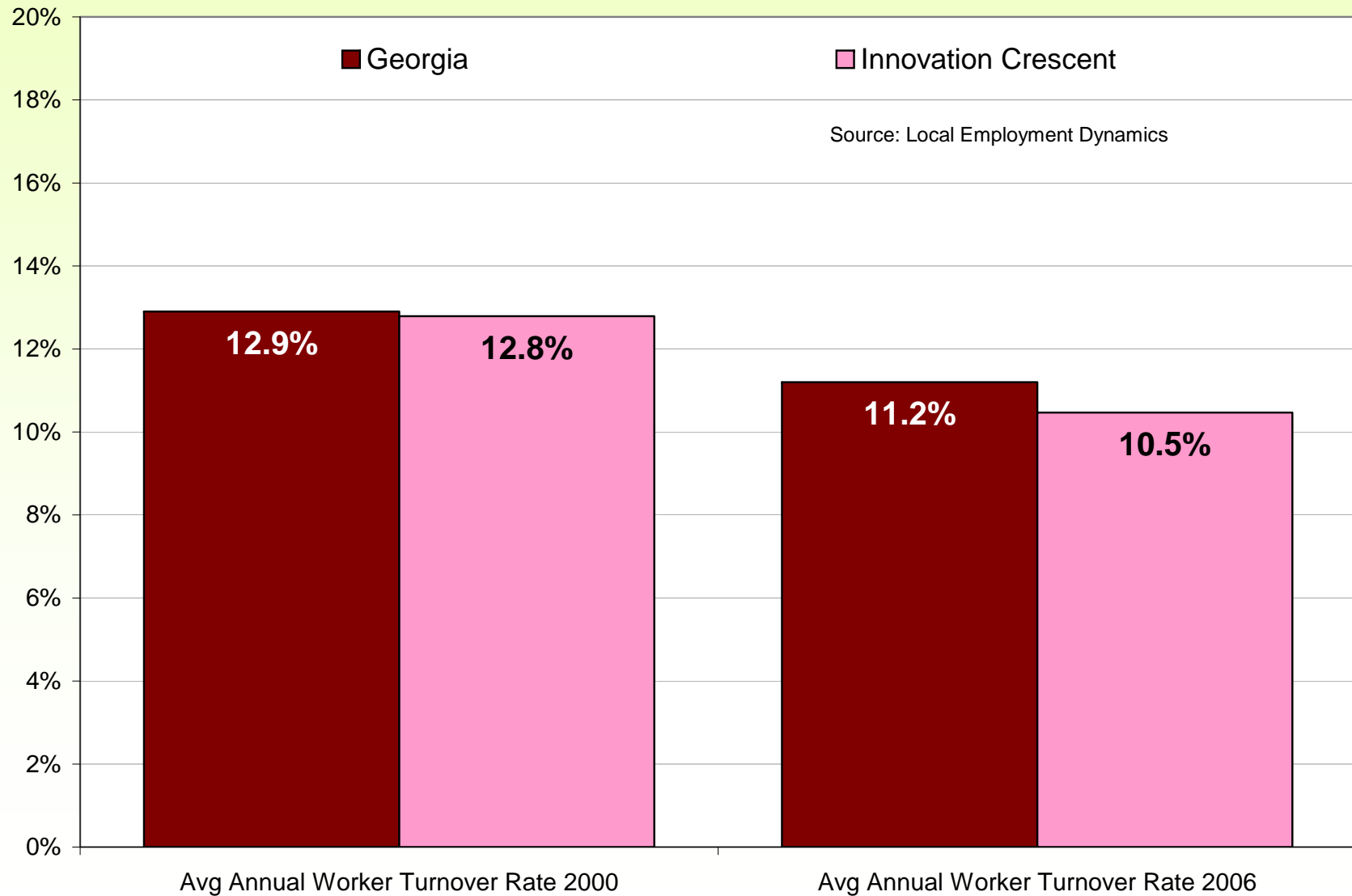
	1990	2000	2007	2012*
Barrow	66.1%	69.6%	70.2%	70.1%
Clarke	61.6%	64.8%	66.1%	65.9%
Clayton	75.9%	71.0%	72.3%	72.1%
Cobb	76.7%	73.6%	73.2%	73.0%
DeKalb	74.1%	70.8%	74.0%	73.9%
Fulton	67.8%	67.8%	71.9%	71.7%
Gwinnett	79.8%	74.0%	73.9%	73.8%
Jackson	66.4%	64.1%	64.8%	64.6%
Madison	68.4%	65.2%	65.8%	65.7%
Morgan	64.9%	66.5%	67.2%	67.1%
Oconee	72.1%	71.0%	71.4%	71.3%
Oglethorpe	66.9%	63.3%	64.2%	64.0%
Walton	65.8%	67.3%	68.0%	67.9%
Innovation Crescent	72.9%	70.7%	72.5%	72.3%
<i>Georgia</i>	<i>67.9%</i>	<i>66.1%</i>	<i>67.4%</i>	<i>67.5%</i>
<i>US</i>	<i>65.3%</i>	<i>63.9%</i>	<i>65.8%</i>	<i>65.8%</i>

Source: DemographicsNow

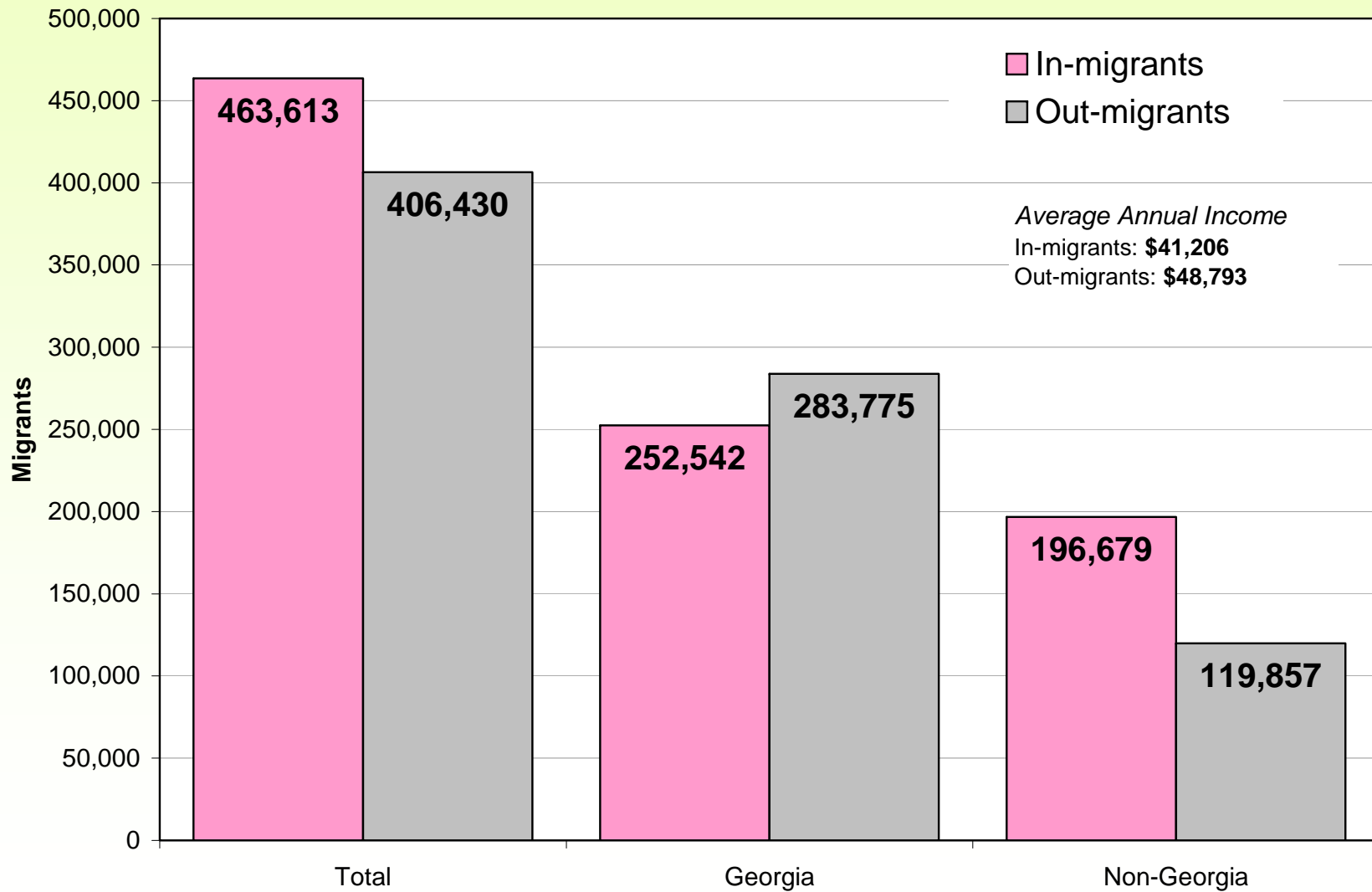
*Projected

Labor Force Participation Rate=a ratio of the total estimated number of people in the Labor Force (including employed and unemployed) divided by the population aged 16 or higher)

1E. Labor Force Turnover Rates

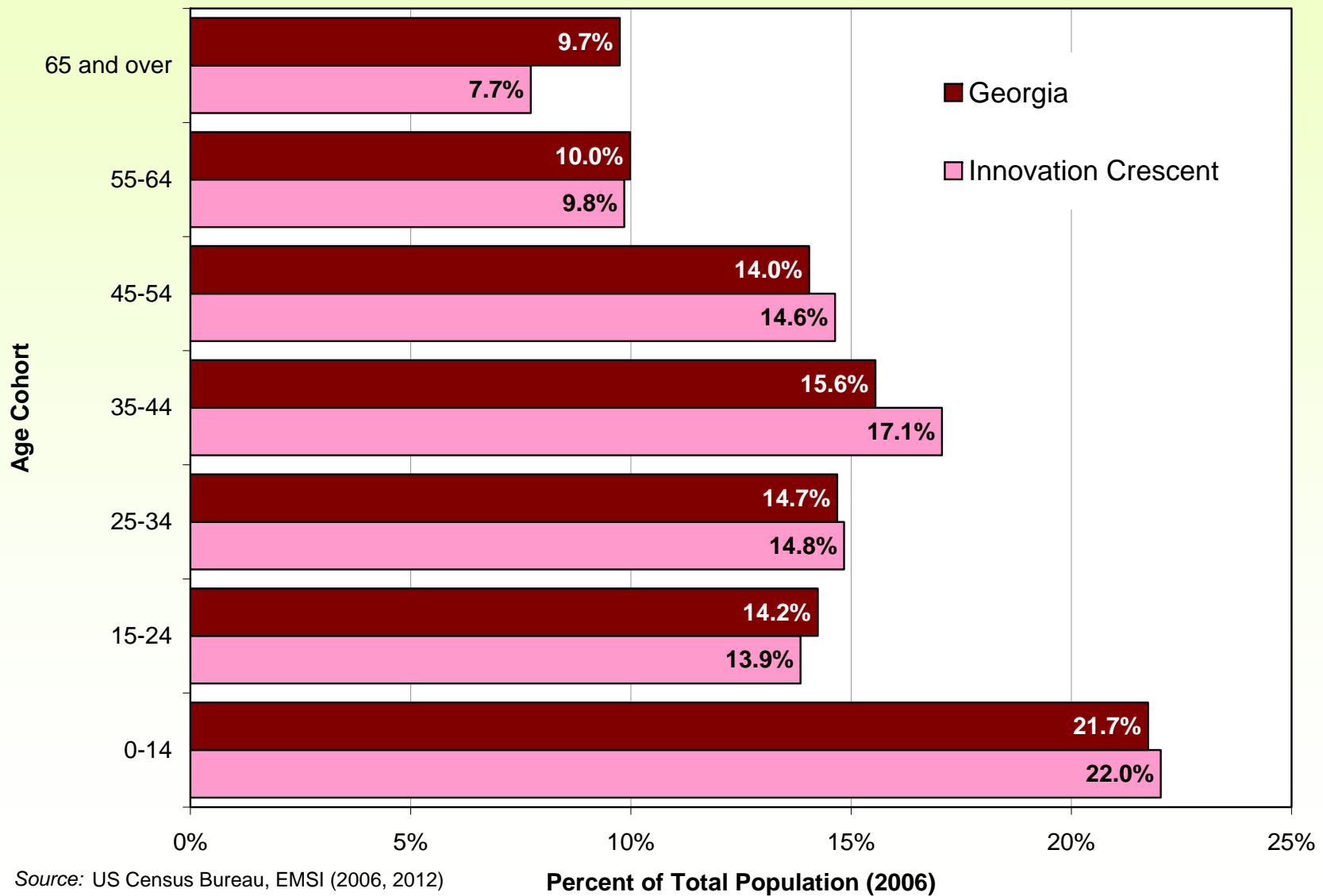


1F. Migration Patterns

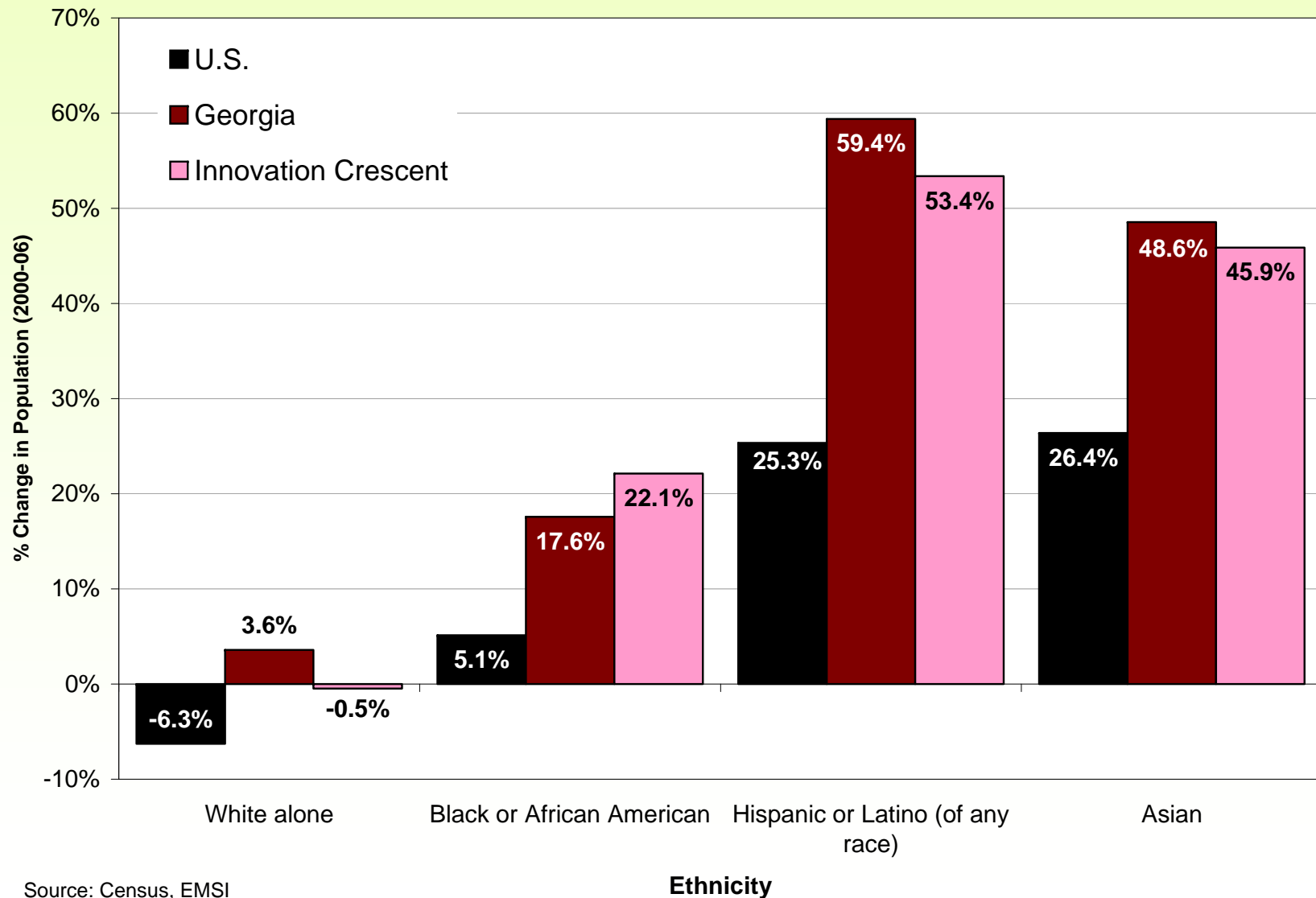


Source: US Internal Revenue Service

1G. Age Structure



1H. Population Ethnicity (change)



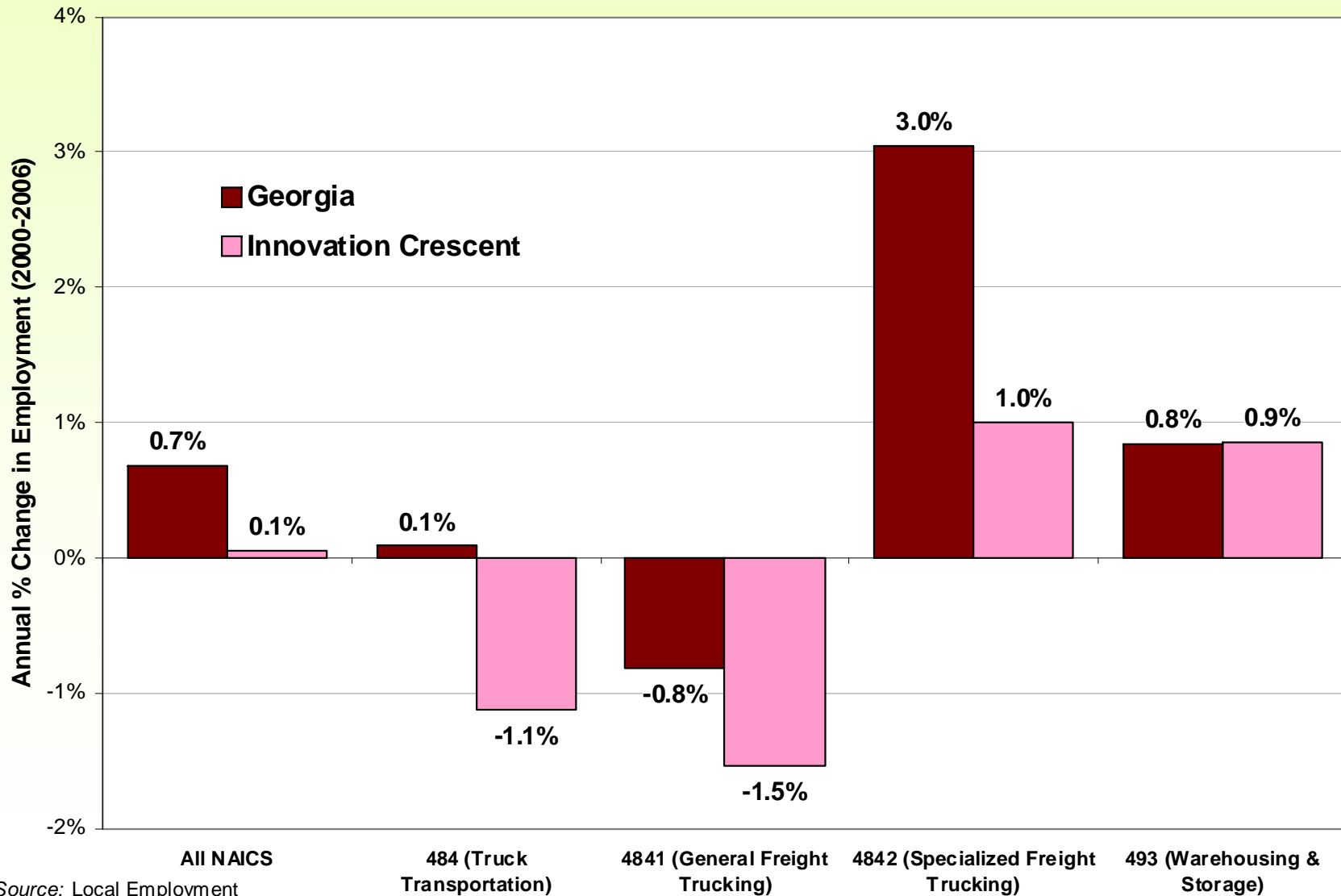
Source: Census, EMSI



2. Target Industry Labor Force Trends



2A. Labor Force Size by Industry (Change)



Source: Local Employment Dynamics

2A. Employment Change by Industry



2A. Innovation Crescent: Sources of Employment Change by Industry

County	All NAICS											
	2000						2006					
	Total Emp	Net Job Flows	Job Creation	New Hires	Separations	Turnover	Total Emp	Net Job Flows	Job Creation	New Hires	Separations	Turnover
Georgia	3,736,820	11,810	219,309	799,671	912,556	13.1%	3,892,325	37,169	217,405	719,026	792,424	11.3%
Barrow	11,769	77	734	2,757	3,135	13.5%	16,010	353	942	3,431	3,431	12.2%
Clarke	60,420	322	3,040	12,124	13,526	12.6%	65,169	758	3,154	10,797	11,685	10.2%
Clayton	141,368	310	6,424	26,945	29,853	10.7%	133,487	1,063	5,548	21,802	23,533	9.6%
Cobb	304,904	4,311	22,351	69,297	77,552	14.4%	326,395	3,214	17,690	60,423	65,145	11.8%
DeKalb	333,681	-925	18,399	72,205	83,242	13.5%	302,385	3,734	17,783	54,857	59,776	11.1%
Fulton	769,258	2,276	43,690	156,718	177,887	13.4%	738,260	7,597	36,873	121,068	130,886	10.4%
Gwinnett	294,460	1,296	18,317	68,688	75,542	14.3%	327,925	3,002	19,337	65,256	69,889	11.9%
Jackson	12,941	188	1,015	3,154	3,325	15.4%	16,851	189	900	3,031	3,196	11.3%
Madison	3,467	-50	225	678	852	12.6%	3,722	18	211	607	709	9.3%
Morgan	5,436	-127	250	1,117	1,384	11.8%	6,093	-14	355	1,197	1,375	13.5%
Oconee	6,265	112	430	1,369	1,431	13.0%	8,805	152	567	1,621	1,703	11.8%
Oglethorpe	1,379	27	98	261	282	10.1%	1,839	-5	102	271	313	9.3%
Walton	14,030	-158	952	2,987	3,685	13.8%	18,779	269	1,069	3,448	3,678	11.2%
Innovation Crescent	1,959,378	7,659	115,925	418,300	471,696	12.8%	1,965,720	20,330	104,531	347,809	375,319	10.5%

2A. Employment Change by Industry (cont.)



484 (Truck Transportation)													
2000							2006						
County	Total Emp	Net Job Flows	Job Creation	New Hires	Separations	Turnover	Total Emp	Net Job Flows	Job Creation	New Hires	Separations	Turnover	
Georgia	49,165		119	3,025	10,690	12,220	13.3%	49,426	426	300	9,476	10,452	12.3%
Barrow	211	14	27	63	63	13.6%	415	10	29	93	91	14.1%	
Clarke	285	-3	18	60	78	13.6%	382	3	19	60	64	9.3%	
Clayton	6,437	-55	233	1,206	1,444	11.9%	5,575	89	260	1,012	1,028	10.4%	
Cobb	3,722	-12	146	729	829	10.8%	3,724	4	192	719	792	11.4%	
DeKalb	6,817	43	336	1,257	1,408	10.5%	6,707	265	523	1,254	1,334	12.9%	
Fulton	6,877	95	455	1,557	1,758	14.5%	5,435	31	274	981	1,054	10.8%	
Gwinnett	3,045	72	208	665	64	14.1%	3,317	-14	165	648	718	11.9%	
Jackson	199	3	12	32	31	8.9%	217	-3	13	34	43	11.7%	
Madison	21	2	4	7	5	11.2%	40	2	4	6	3	8.9%	
Morgan	166	-70	9	73	143	22.4%	22	1	5	5	5	21.1%	
Oconee	17	N/A	1	8	9	18.0%	30	1	N/A	N/A	7	10.5%	
Oglethorpe	9	N/A	N/A	2	4	18.4%	39	-1	N/A	4	7	10.1%	
Walton	52	N/A	5	8	11	10.9%	126	7	13	28	24	12.9%	
Innovation Crescent	27,858		89	1,454	5,667	5,847	11.6%	26,029	395	1,497	4,844	5,170	11.1%

4841 (General Freight Trucking)													
2000							2006						
County	Total Emp	Net Job Flows	Job Creation	New Hires	Separations	Turnover	Total Emp	Net Job Flows	Job Creation	New Hires	Separations	Turnover	
Georgia	38,459		-16	2,073	7,813	9,032	12.7%	36,607	322	2,002	6,308	6,952	11.8%
Barrow	144	8	14	45	40	12.3%	395	11	9	50	43	12.2%	
Clarke	149	-7	N/A	16	28	11.9%	247	3	8	24	22	10.5%	
Clayton	6,297	-34	222	1,158	1,375	11.7%	5,162	77	237	944	967	6.9%	
Cobb	3,248	-30	84	569	667	10.0%	2,907	-15	114	406	474	10.2%	
DeKalb	6,258	6	256	1,034	1,201	10.0%	6,046	256	469	1,048	1,118	12.4%	
Fulton	4,509	33	279	989	1,180	14.1%	3,933	22	189	734	786	10.8%	
Gwinnett	2,128	49	134	418	402	13.0%	2,149	3	94	367	391	10.9%	
Jackson	142	N/A	7	19	20	7.8%	87	-5	6	16	23	14.9%	
Madison	11	N/A	N/A	N/A	N/A	11.6%	N/A	N/A	N/A	N/A	N/A	10.3%	
Morgan	162	-17	7	69	N/A	22.3%	12	N/A	N/A	N/A	N/A	11.9%	
Oconee	5	N/A	N/A	N/A	N/A	14.3%	10	N/A	N/A	N/A	N/A	13.4%	
Oglethorpe	7	N/A	N/A	2	3	22.2%	N/A	N/A	N/A	N/A	N/A	10.2%	
Walton	45	1	4	6	7	10.6%	103	4	8	22	19	11.4%	
Innovation Crescent	23,105		9	1,007	4,325	4,923	11.1%	21,051	356	1,134	3,611	3,843	10.2%

Source: Local Employment Dynamics

2A. Employment Change by Industry (cont.)



4842 (Specialized Freight Trucking)												
2000							2006					
County	Total Emp	Net Job Flows	Job Creation	New Hires	Separations	Turnover	Total Emp	Net Job Flows	Job Creation	New Hires	Separations	Turnover
Georgia	10,706	136	954	2,877	3,188	15.6%	12,819	100	1,001	3,167	3,499	14.0%
Barrow	66	6	13	18	22	15.8%	119	-1	N/A	43	48	19.5%
Clarke	136	4	16	43	49	16.0%	135	N/A	N/A	36	41	14.5%
Clayton	140	-20	11	48	69	19.6%	412	12	23	67	60	8.9%
Cobb	474	18	61	160	162	16.6%	817	20	79	312	317	16.1%
DeKalb	559	36	77	223	207	17.7%	661	9	53	206	216	17.8%
Fulton	2,368	63	177	567	577	15.3%	1,501	9	86	247	268	11.0%
Gwinnett	926	23	74	247	261	16.9%	1,167	-16	71	281	327	13.7%
Jackson	56	3	4	13	10	12.1%	130	1	N/A	18	19	10.3%
Madison	10	2	3	5	2	9.3%	38	2	4	6	3	8.9%
Morgan	1	1	1	2	1	10.4%	9	1	3	1	N/A	38.4%
Oconee	11	N/A	1	7	8	21.0%	19	1	N/A	N/A	5	8.2%
Oglethorpe	N/A	N/A	N/A	N/A	N/A	12.7%	17	N/A	N/A	2	4	10.7%
Walton	7	-1	N/A	1	2	14.8%	22	2	4	6	4	20.8%
Innovation Crescent	4,754	135	438	1,334	1,370	16.5%	5,047	40	323	1,225	1,312	14.2%

493 (Warehousing & Storage)												
2000							2006					
County	Total Emp	Net Job Flows	Job Creation	New Hires	Separations	Turnover	Total Emp	Net Job Flows	Job Creation	New Hires	Separations	Turnover
Georgia	26,116	-65	956	3,986	4,637	11.5%	27,456	87	922	3,674	3,899	10.5%
Barrow	N/A	N/A	N/A	N/A	N/A	19.7%	N/A	N/A	N/A	N/A	N/A	11.8%
Clarke	233	-15	5	37	55	21.4%	N/A	N/A	N/A	N/A	N/A	8.1%
Clayton	1,941	-25	69	318	370	11.5%	2,351	34	90	361	338	14.1%
Cobb	2,522	28	69	333	333	10.8%	2,576	20	37	229	223	15.1%
DeKalb	2,485	-35	64	313	413	9.6%	2,689	-92	46	367	471	8.5%
Fulton	3,759	40	184	709	714	14.6%	4,228	12	147	593	611	10.0%
Gwinnett	1,477	-45	33	231	286	12.5%	1,188	-8	33	108	124	8.6%
Jackson	N/A	N/A	N/A	N/A	N/A	N/A	333	5	11	56	52	13.0%
Madison	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Morgan	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.8%
Oconee	N/A	N/A	N/A	N/A	N/A	19.9%	8	N/A	N/A	1	3	22.9%
Oglethorpe	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Walton	288	1	5	33	34	7.1%	N/A	N/A	N/A	N/A	N/A	11.3%
Innovation Crescent	12,705	-51	429	1,974	2,205	9.1%	13,373	-29	364	1,715	1,822	7.3%

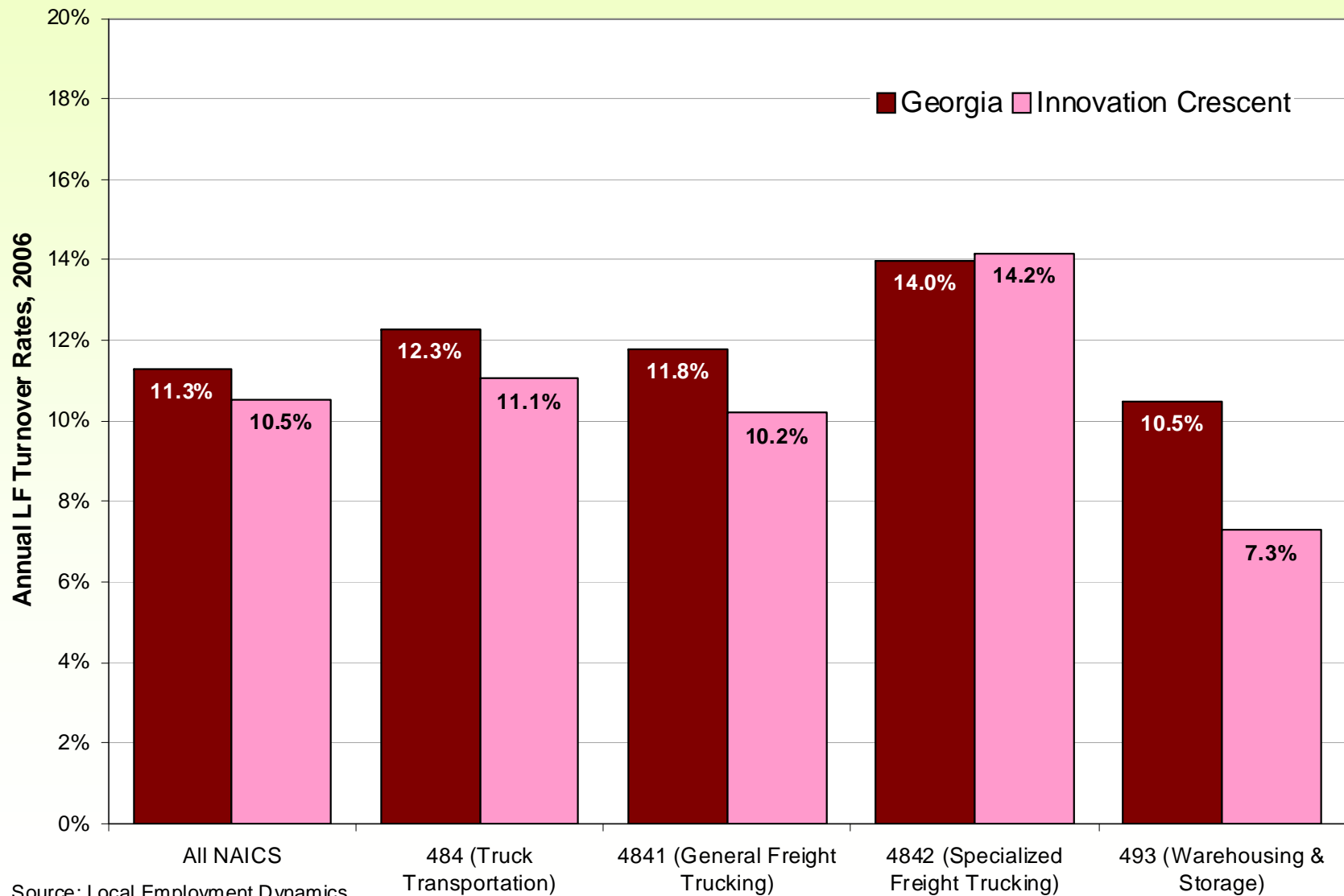
Source: Local Employment Dynamics

2A. Employment Change by Industry (cont.)



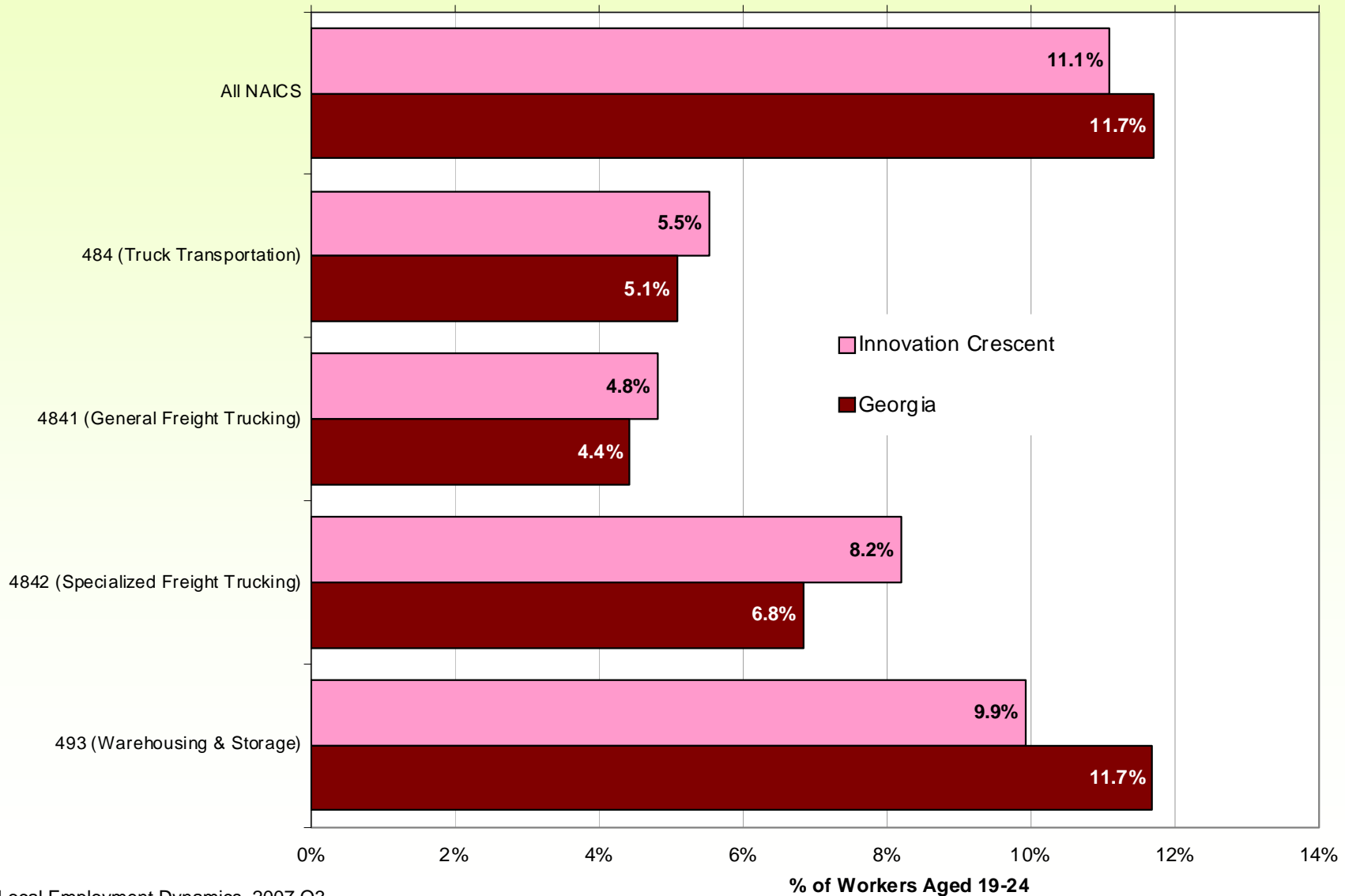
Employment						
	Georgia		Innovation Crescent		Georgia	Innovation
	2000	2006	2000	2006	% Change	Crescent % Change
All NAICS	3,736,820	3,892,325	1,959,378	1,965,720	0.7%	0.1%
484 (Truck Transportation)	49,165	49,426	27,858	26,029	0.1%	-1.1%
4841 (General Freight Trucking)	38,459	36,607	23,105	21,051	-0.8%	-1.5%
4842 (Specialized Freight Trucking)	10,706	12,819	4,754	5,047	3.0%	1.0%
493 (Warehousing & Storage)	26,116	27,456	12,705	13,373	0.8%	0.9%

2B. Industry Labor Turnover



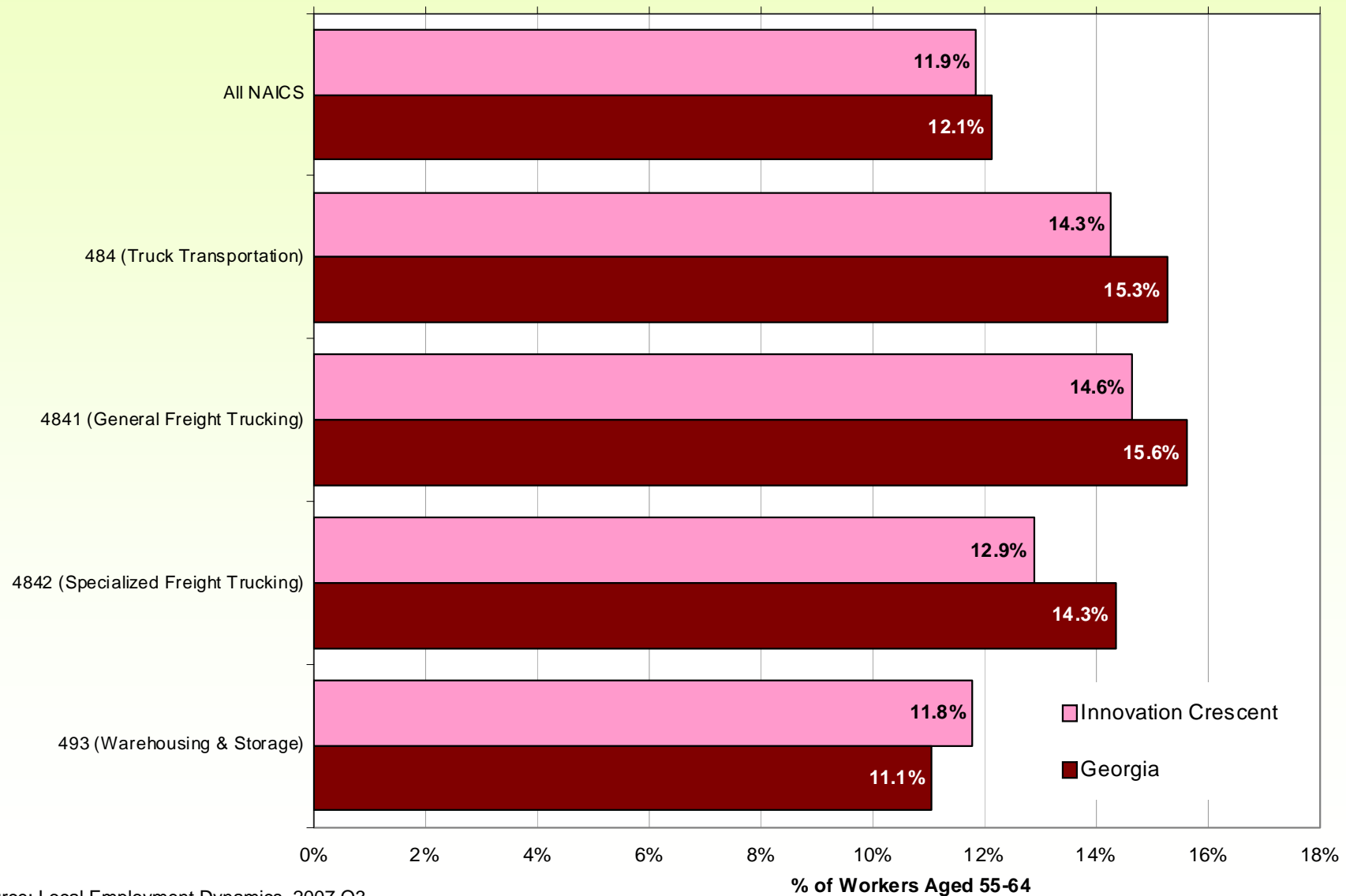
Source: Local Employment Dynamics

2C. Percent of Workers Aged 19 to 24 in Select Industries



Source: Local Employment Dynamics, 2007 Q3

2C. Percent of Workers Aged 55 to 64 in Select Industries



Source: Local Employment Dynamics, 2007 Q3

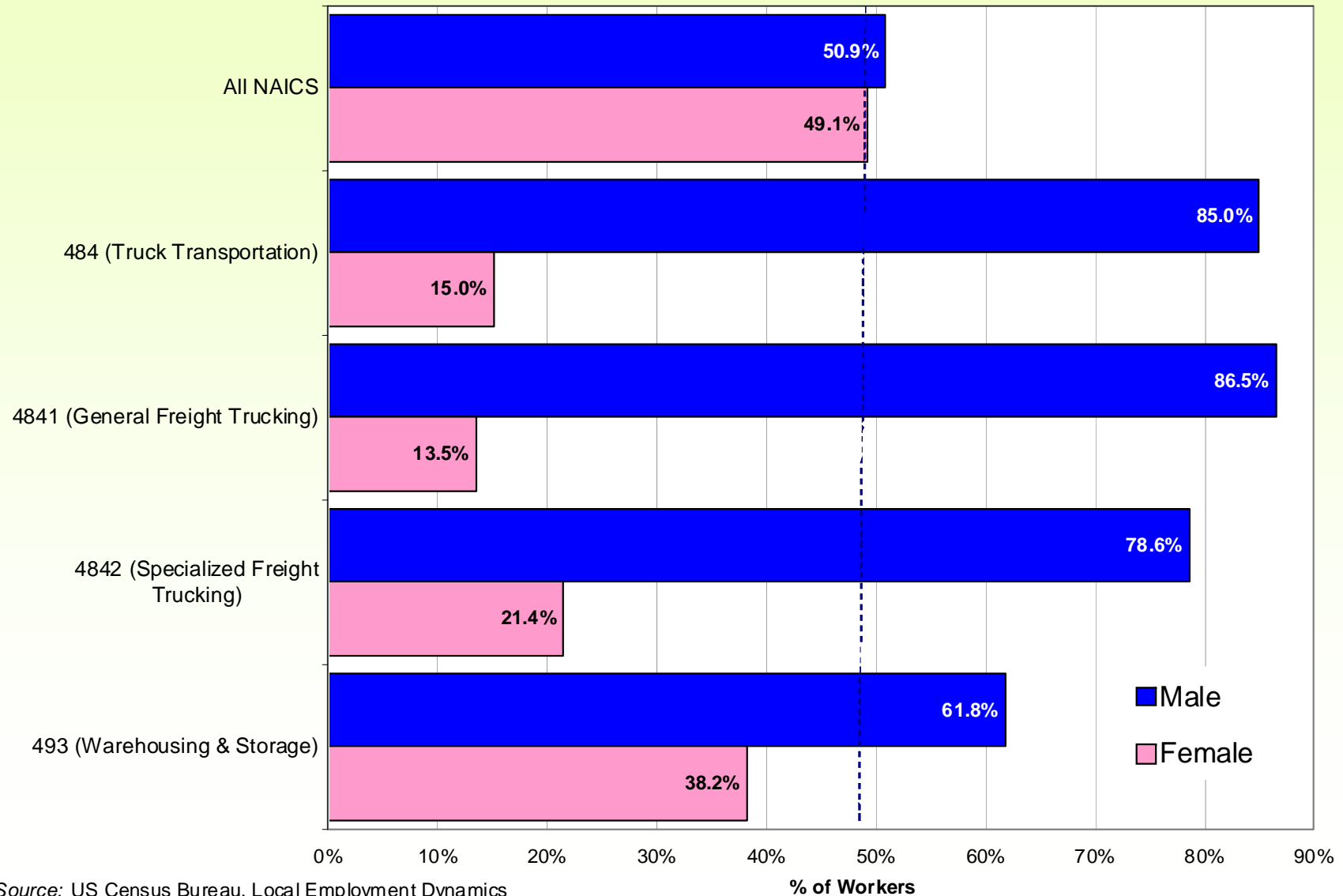
2C. Worker Age Demographics by Industry



2C: Innovation Crescent Distribution Industries: Worker Age Demographics by Industry

Age Cohort	All NAICS		484 (Truck Transportation)		4841 (General Freight Trucking)		4842 (Specialized Freight Trucking)		493 (Warehousing & Storage)	
	Innovation		Innovation		Innovation		Innovation		Innovation	
	Georgia	Crescent	Georgia	Crescent	Georgia	Crescent	Georgia	Crescent	Georgia	Crescent
14 to 18	3.4%	3.0%	0.6%	0.4%	0.4%	0.2%	1.4%	1.2%	1.8%	2.1%
19 to 21	5.6%	5.1%	1.9%	2.0%	1.5%	1.6%	3.0%	3.5%	5.3%	4.5%
22 to 24	6.2%	6.0%	3.2%	3.6%	3.0%	3.3%	3.8%	4.7%	6.4%	5.4%
25 to 34	22.7%	23.9%	18.2%	19.1%	17.7%	18.5%	19.6%	21.1%	24.0%	23.2%
35 to 44	24.9%	26.5%	29.8%	31.5%	30.7%	32.2%	27.7%	29.0%	26.4%	27.2%
45 to 54	22.1%	22.5%	27.7%	27.3%	28.4%	27.9%	25.8%	25.2%	22.3%	23.6%
55 to 64	12.1%	11.9%	15.3%	14.3%	15.6%	14.6%	14.3%	12.9%	11.1%	11.8%
65 to 99	3.1%	2.8%	3.3%	2.4%	2.9%	2.1%	4.4%	3.7%	2.7%	2.8%

2D. Gender of Workers in Select Industries



Source: US Census Bureau, Local Employment Dynamics

2D. Gender of Workers in Select Industries



2D. Innovation Crescent: Labor Force by Gender

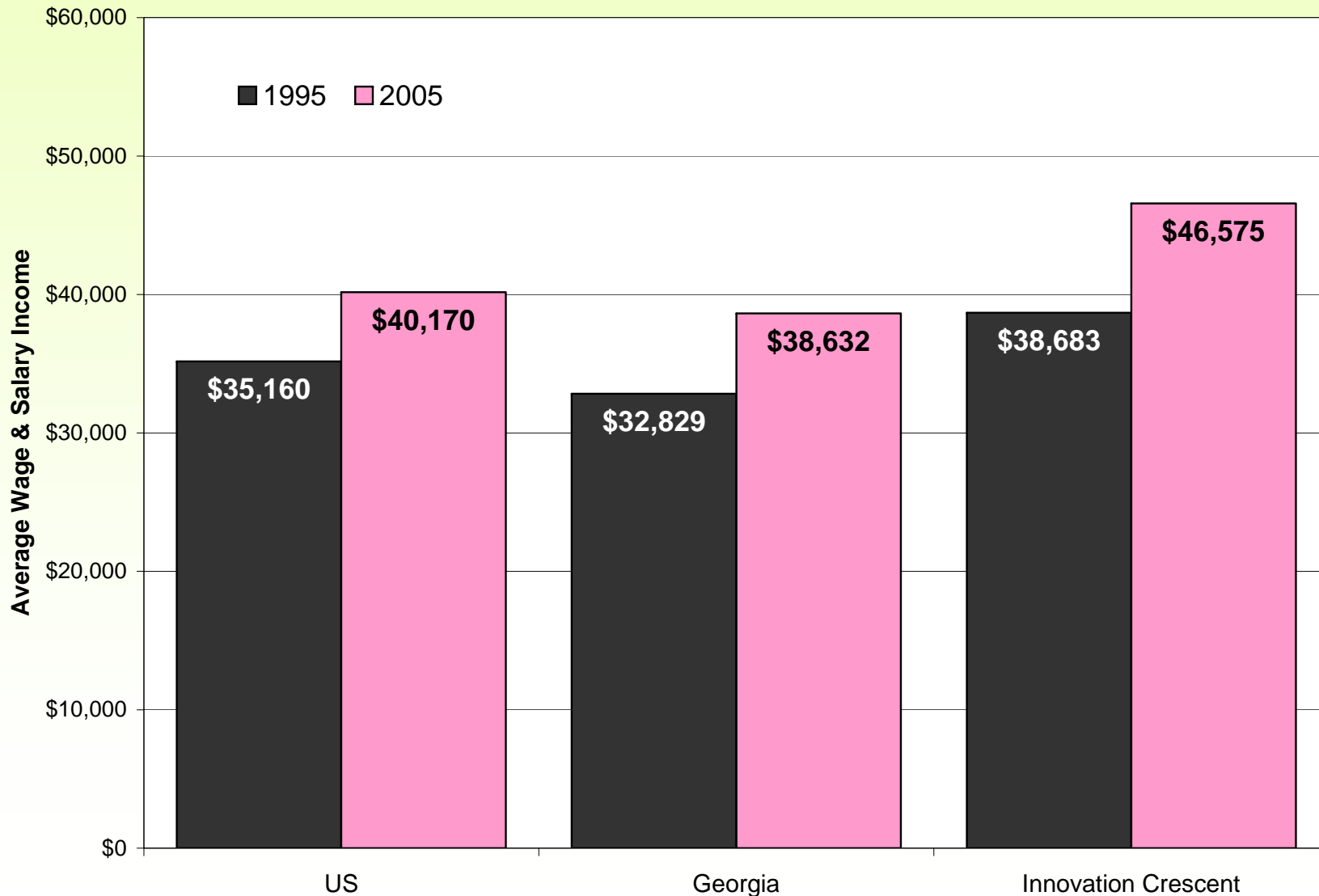
All NAICS				
	Total Emp		% M/F	
	M	F	M	F
Georgia	1,944,928	1,963,078	49.8%	50.2%
Innovation Crescent	999,830	965,885	50.9%	49.1%
484 (Truck Transportation)				
	Total Emp		% M/F	
Georgia	41,692	7,734	84.4%	15.6%
Innovation Crescent	22,113	3,910	85.0%	15.0%
4841 (General Freight Trucking)				
	Total Emp		% M/F	
Georgia	31,256	5,350	85.4%	14.6%
Innovation Crescent	18,124	2,818	86.5%	13.5%
4842 (Specialized Freight Trucking)				
	Total Emp		% M/F	
Georgia	10,435	2,383	81.4%	18.6%
Innovation Crescent	3,960	1,081	78.6%	21.4%
493 (Warehousing & Storage)				
	Total Emp		% M/F	
Georgia	16,563	10,893	60.3%	39.7%
Innovation Crescent	8,258	5,112	61.8%	38.2%

Source: Local Employment Dynamics, 2006, Q4

3. Labor Force Quality



3A. Average Wage & Salary Income



Source: US Bureau of Economic Analysis

3A. Employment and Income



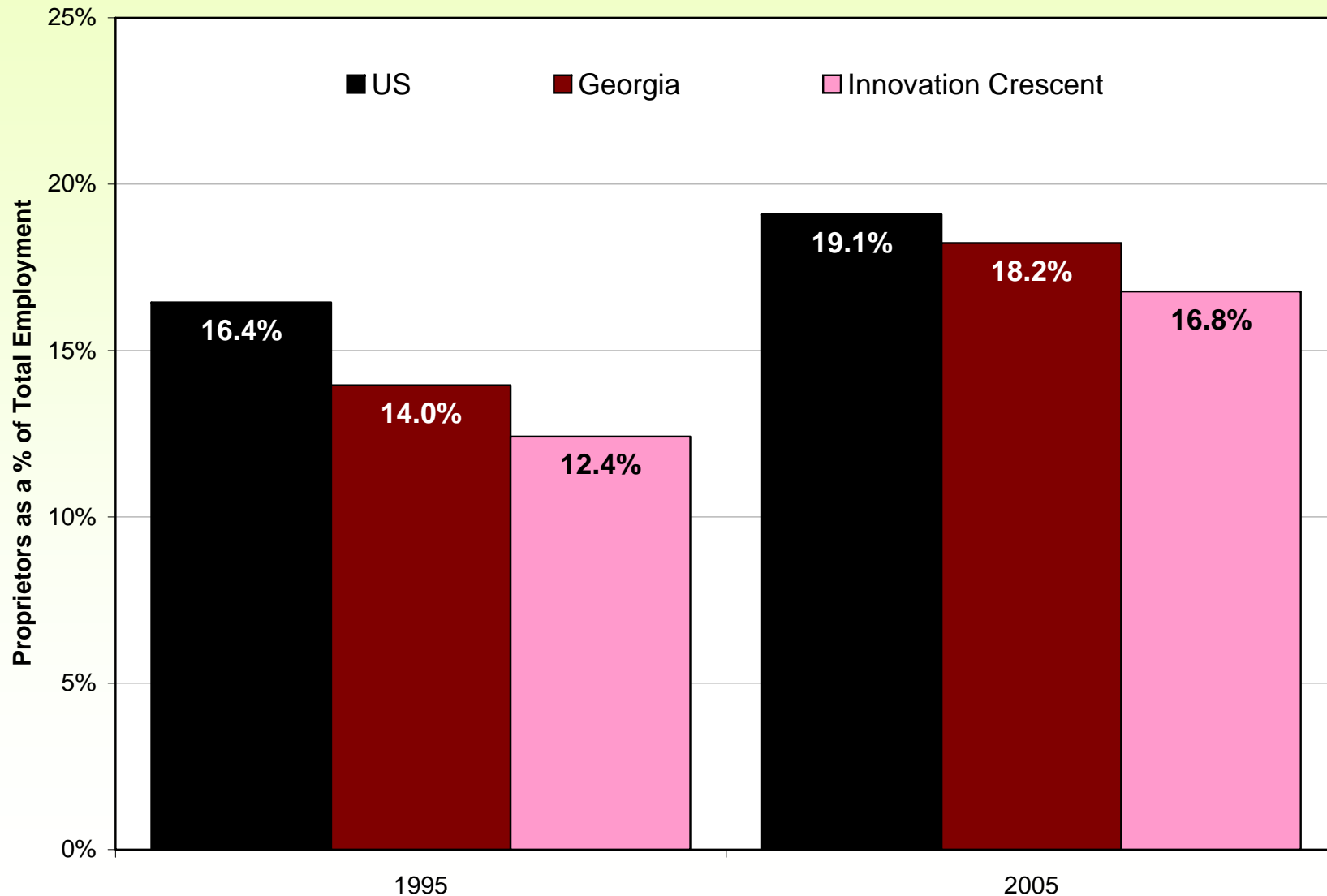
3A. Innovation Crescent: Employment and Income for Proprietors and Wage and Salary Workers

County	1995					2005				
	Total Employment	Wage & Salary Employment	Proprietors Employment	Average Wage & Salary Income*	Average Proprietors' Income*	Total Employment	Wage & Salary Employment	Proprietors Employment	Average Wage & Salary Income	Average Proprietors' Income
Barrow	13,648	9,996	3,652	\$26,881	\$16,659	22,899	15,373	7,526	\$30,048	\$12,027
Clarke	69,658	63,008	6,650	\$29,262	\$16,522	80,825	68,794	12,031	\$32,914	\$12,018
Clayton	121,971	109,285	12,686	\$36,177	\$12,257	139,892	115,554	24,338	\$38,814	\$10,956
Cobb	317,594	265,512	52,082	\$36,701	\$27,146	420,097	335,614	84,483	\$44,299	\$29,952
DeKalb	375,146	322,823	52,323	\$38,065	\$35,793	426,516	318,563	107,953	\$43,004	\$33,507
Fulton	768,136	706,283	61,853	\$42,517	\$63,194	917,818	802,701	115,117	\$54,582	\$77,273
Gwinnett	266,843	224,748	42,095	\$36,737	\$21,852	388,354	342,297	46,057	\$42,693	\$27,567
Jackson	17,468	13,807	3,661	\$25,641	\$32,081	24,103	20,148	3,955	\$29,066	\$34,510
Madison	6,133	3,556	2,577	\$23,087	\$22,701	8,138	4,304	3,834	\$26,552	\$17,563
Morgan	7,027	5,452	1,575	\$26,754	\$19,381	9,835	6,862	2,973	\$28,617	\$13,551
Oconee	7,203	4,830	2,737	\$23,988	\$18,004	11,855	8,979	2,876	\$28,686	\$15,798
Oglethorpe	2,627	1,604	1,023	\$20,624	\$28,578	3,157	1,951	1,206	\$23,792	\$21,430
Walton	16,212	12,112	4,100	\$25,604	\$17,452	23,811	20,545	3,266	\$30,051	\$14,561
Innovation Crescent	1,989,666	1,743,016	247,014	\$38,683	\$35,617	2,477,300	2,061,685	415,615	\$46,575	\$41,330
<i>Georgia</i>	<i>4,215,080</i>	<i>3,626,771</i>	<i>588,309</i>	<i>\$32,829</i>	<i>\$27,157</i>	<i>5,197,037</i>	<i>4,249,749</i>	<i>947,288</i>	<i>\$38,632</i>	<i>\$27,315</i>
<i>US</i>	<i>148,982,800</i>	<i>124,481,000</i>	<i>24,501,800</i>	<i>\$35,160</i>	<i>\$25,822</i>	<i>174,183,400</i>	<i>140,928,000</i>	<i>33,255,400</i>	<i>\$40,170</i>	<i>\$29,130</i>

Source: US Bureau of Economic Analysis

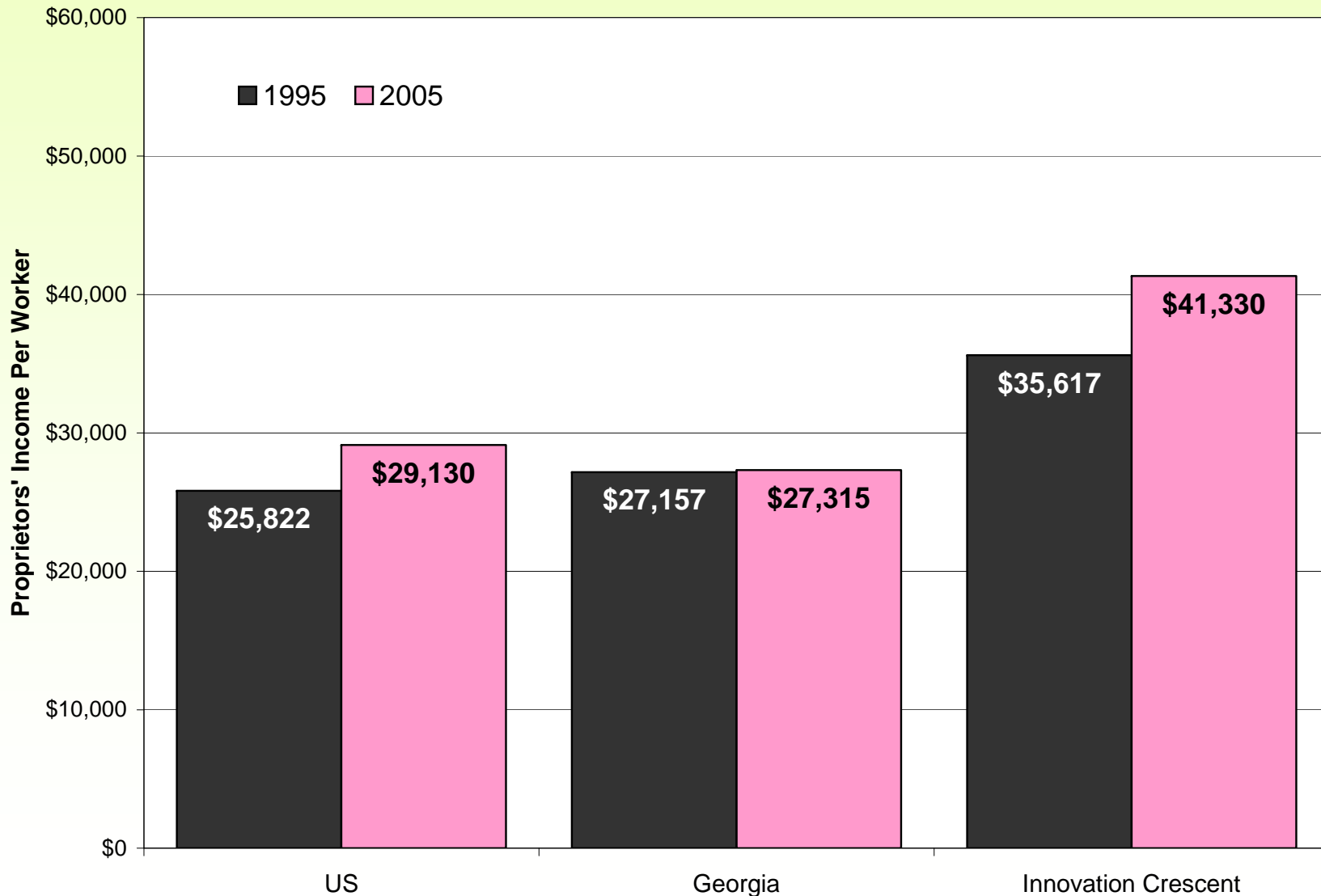
*Adjusted to 2005 Dollars

3B. Proprietors as a Percent of the Total Workforce



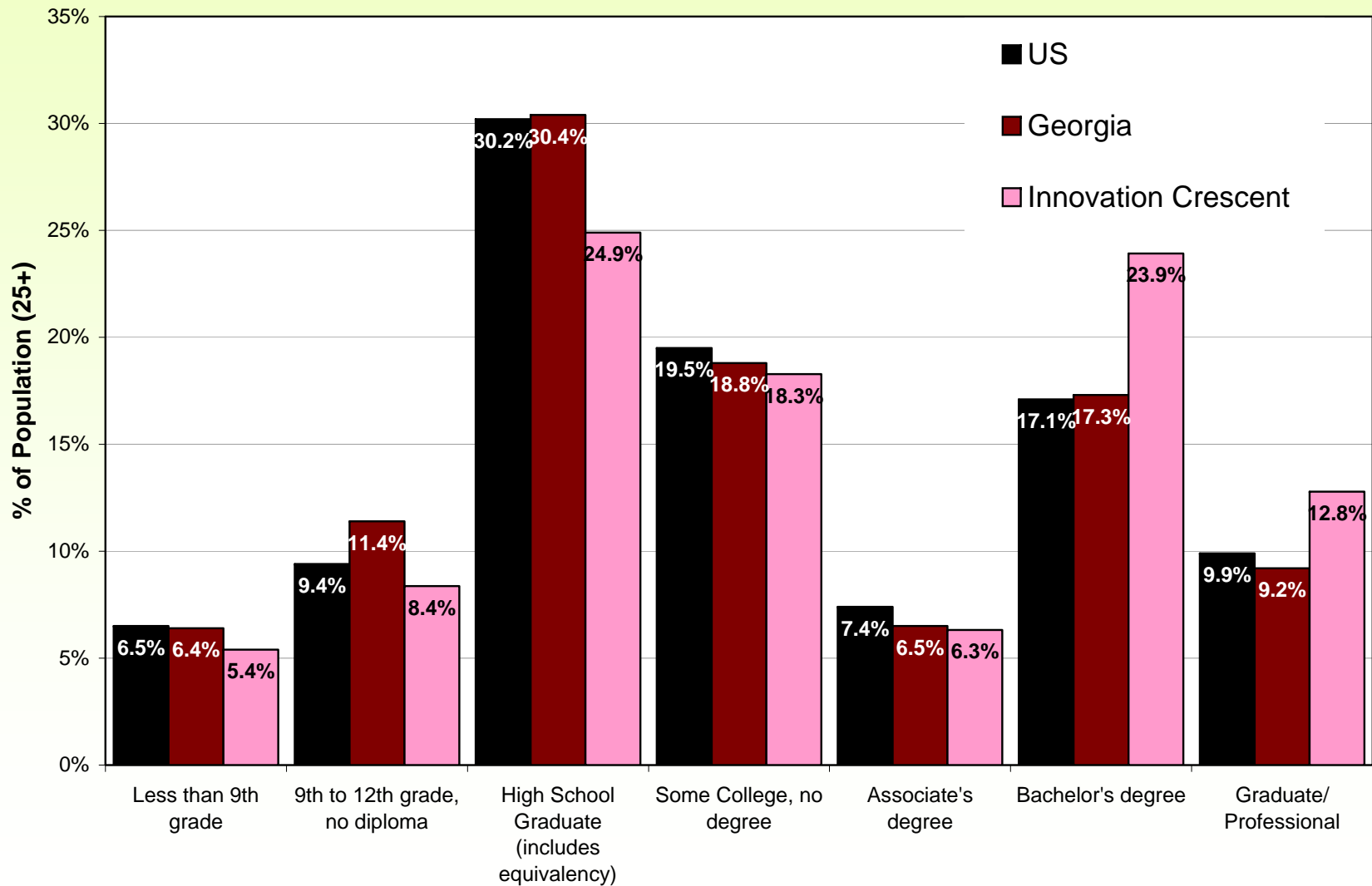
Source: US BEA

3C. Proprietors' Income/Worker



Source: US Bureau of Economic Analysis

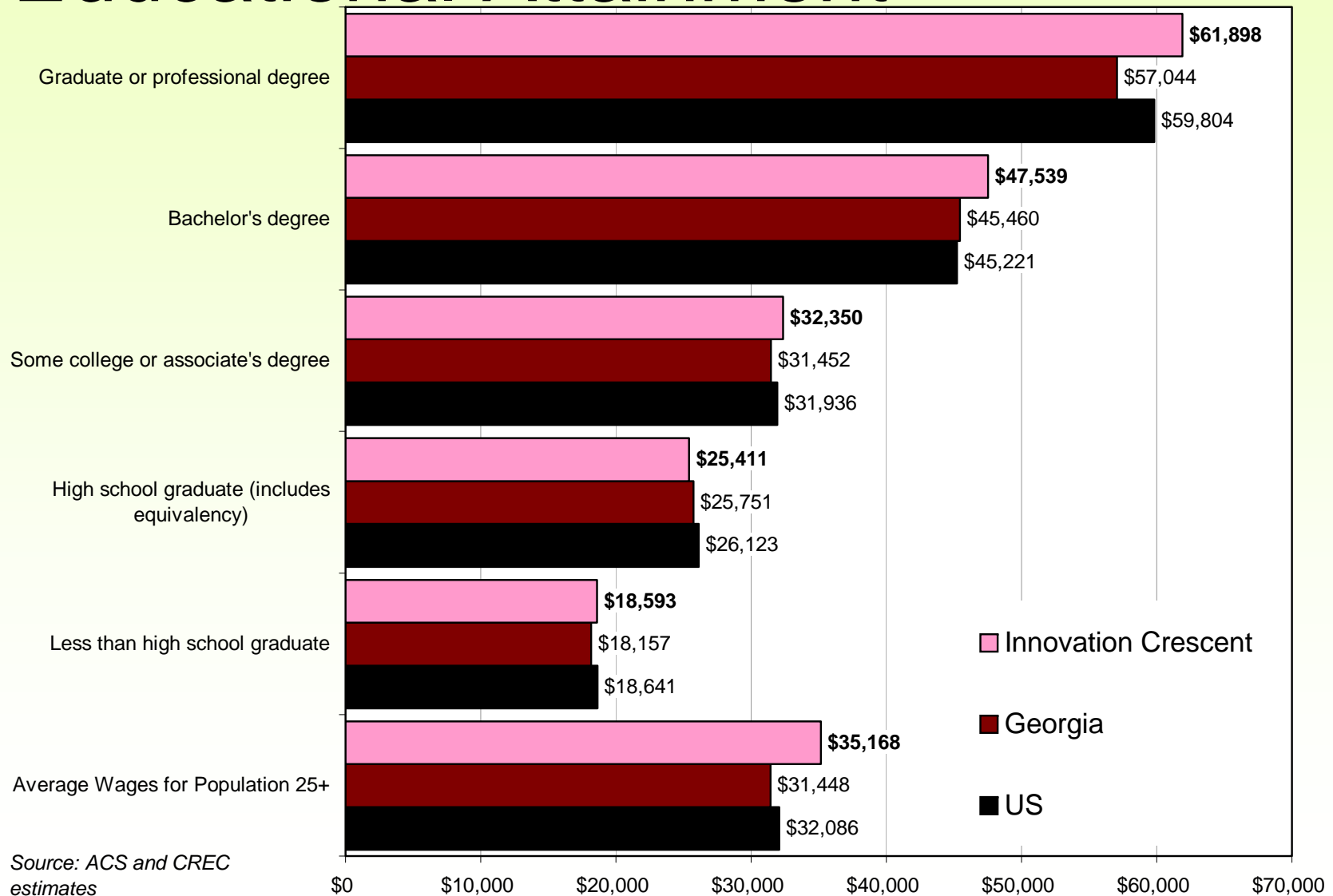
3D. Educational Attainment



Source: American Community Survey and DemographicsNow

Educational Attainment (2006)

3E. Earnings by Educational Attainment



3E. Earnings by Educational Attainment



3E. Innovation Crescent: Earnings by Educational Attainment

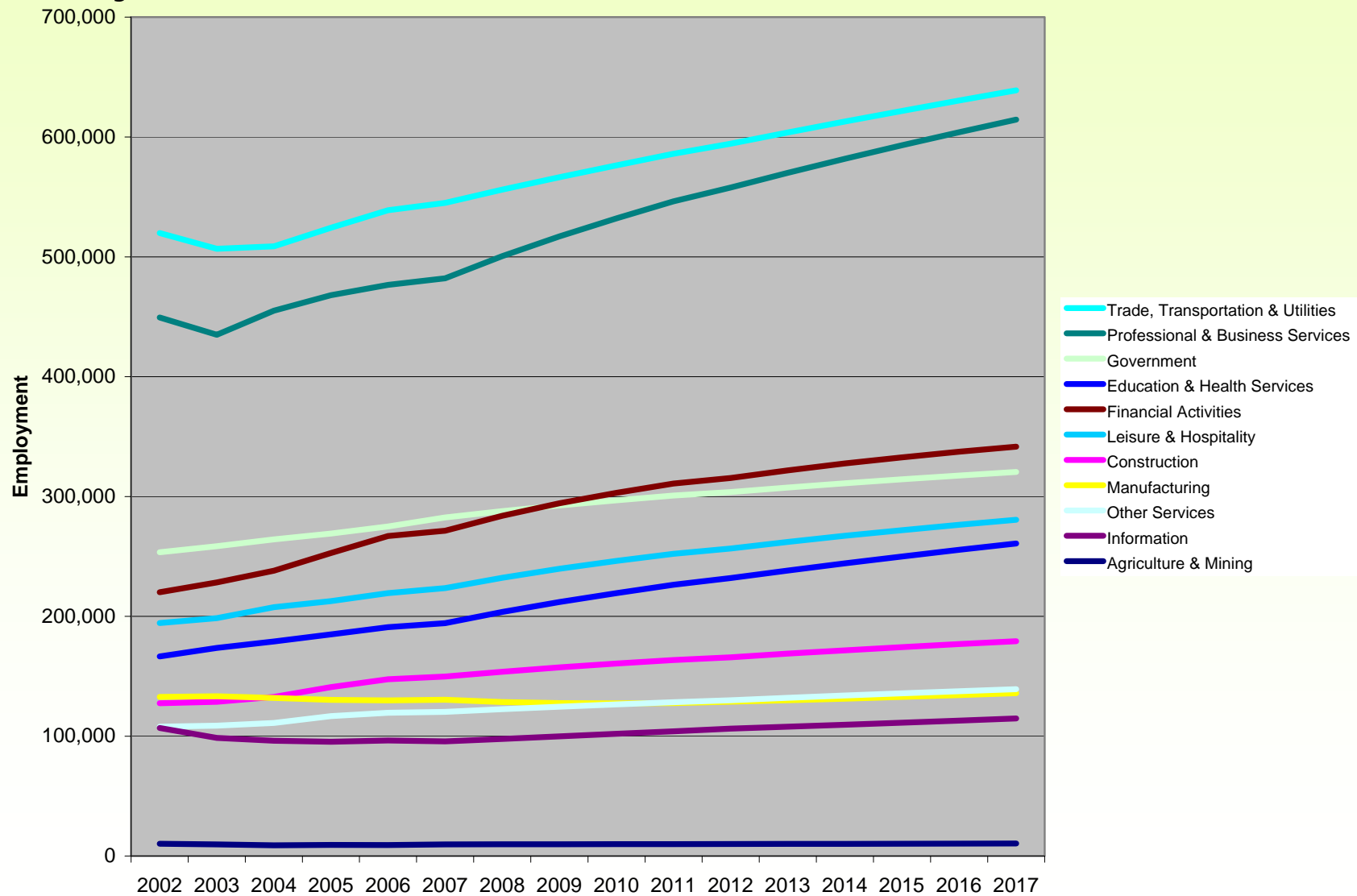
County	Total - Age 25+ Population with Earnings	Less than High School Graduate	High School Graduate (includes equivalency)	Some College or Associate's Degree	Bachelor's degree	Graduate/ Professional Degree
Barrow	\$35,394	\$19,177	\$27,266	\$33,557	\$48,559	\$61,597
Clarke	\$27,439	\$17,885	\$22,343	\$25,707	\$35,977	\$46,174
Clayton	\$28,874	\$18,698	\$27,815	\$28,557	\$36,342	\$44,455
Cobb	\$38,861	\$20,217	\$26,505	\$33,126	\$51,259	\$65,150
DeKalb	\$32,480	\$18,023	\$23,678	\$31,321	\$45,254	\$60,163
Fulton	\$38,177	\$16,199	\$24,489	\$31,208	\$52,959	\$70,496
Gwinnett	\$36,037	\$20,544	\$26,506	\$36,706	\$46,429	\$60,009
Jackson	\$19,564	\$15,545	\$21,237	\$24,916	\$44,783	\$48,736
Madison	\$28,997	\$20,356	\$25,173	\$28,201	\$36,704	\$50,564
Morgan	\$19,564	\$15,545	\$21,237	\$24,916	\$44,783	\$48,736
Oconee	\$28,997	\$20,356	\$25,173	\$28,201	\$36,704	\$50,564
Oglethorpe	\$28,997	\$20,356	\$25,173	\$28,201	\$36,704	\$50,564
Walton	\$32,189	\$22,420	\$31,491	\$37,967	\$40,711	\$58,047
Innovation Crescent	\$35,168	\$18,593	\$25,411	\$32,350	\$47,539	\$61,898
<i>Georgia</i>	<i>\$31,448</i>	<i>\$18,157</i>	<i>\$25,751</i>	<i>\$31,452</i>	<i>\$45,460</i>	<i>\$57,044</i>
<i>US</i>	<i>\$32,086</i>	<i>\$18,641</i>	<i>\$26,123</i>	<i>\$31,936</i>	<i>\$45,221</i>	<i>\$59,804</i>

Source: ACS 2006, Demographics Now, CREC Estimations

4. Industry Trends and Projections



4A1. Economic Sector Trends & Projections



Source: EMSI

4A1. Employment by Supersector

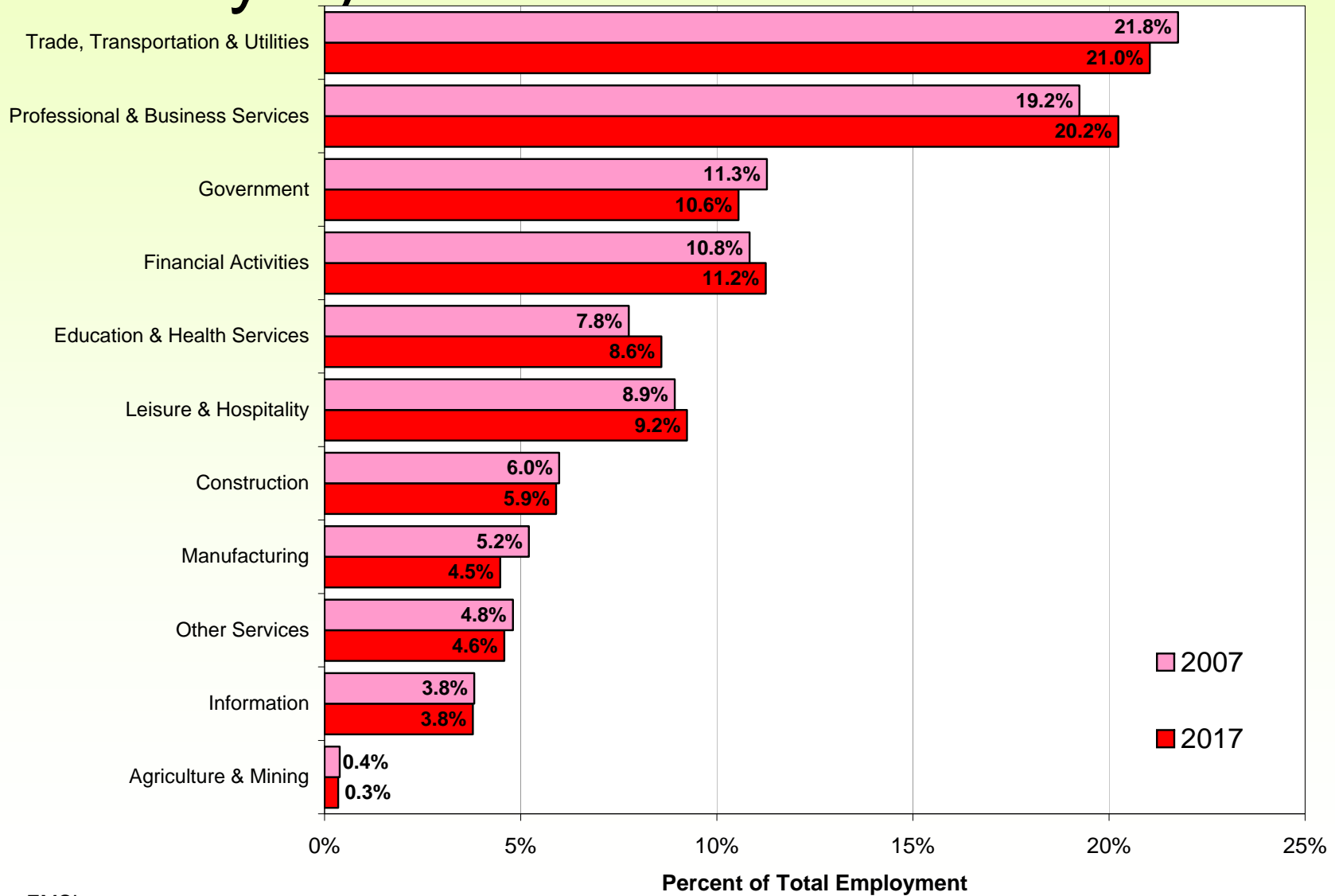


4A1. Employment by Supersector

Supersector	2002		2007		2012		2017	
	Number	% of Total	Number	% of Total	Number	% of Total	Number	% of Total
Agriculture & Mining	10,281	0.4%	9,735	0.4%	9,995	0.4%	10,527	0.3%
Construction	127,474	5.6%	149,820	6.0%	165,887	5.9%	179,266	5.9%
Manufacturing	132,843	5.8%	130,475	5.2%	128,781	4.6%	136,011	4.5%
Trade, Transportation & Utilities	519,824	22.7%	545,041	21.8%	594,428	21.2%	638,949	21.0%
Information	106,847	4.7%	95,622	3.8%	106,234	3.8%	114,869	3.8%
Financial Activities	220,107	9.6%	271,445	10.8%	315,485	11.3%	341,627	11.2%
Professional & Business Services	449,396	19.6%	482,113	19.2%	557,819	19.9%	614,548	20.2%
Education & Health Services	166,599	7.3%	194,314	7.8%	231,893	8.3%	260,804	8.6%
Leisure & Hospitality	194,359	8.5%	223,623	8.9%	256,667	9.2%	280,626	9.2%
Other Services	107,917	4.7%	120,306	4.8%	130,076	4.6%	139,201	4.6%
Government	253,417	11.1%	282,500	11.3%	303,792	10.8%	320,522	10.6%
Total Employment	2,289,064	100%	2,504,994	100%	2,801,057	100%	3,036,950	100%

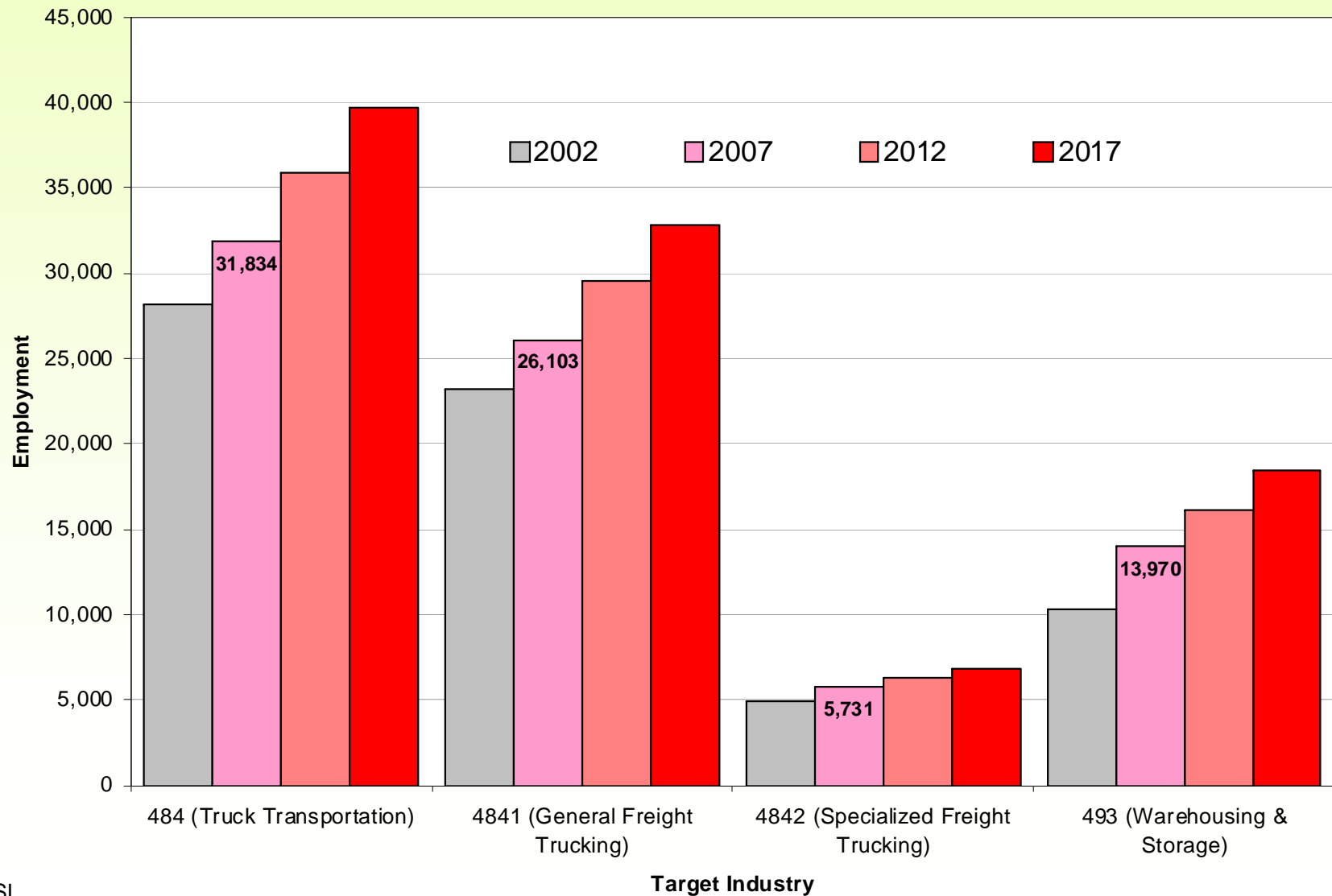
Source: EMSI

4A2. Distribution of Economic Activity by Sector



Source: EMSI

4B. Employment in Targeted Industries



Source: EMSI

4B. Employment in Targeted Industries



4B. Employment in Target Industries

County	484 (Truck Transportation)				4841 (General Freight Trucking)				4842 (Specialized Freight Trucking)				493 (Warehousing & Storage)			
	2002	2007	2012	2017	2002	2007	2012	2017	2002	2007	2012	2017	2002	2007	2012	2017
Barrow	320	601	718	800	267	478	560	630	53	123	158	170	117	17	27	30
Clarke	418	461	452	446	260	311	342	357	158	150	110	89	180	70	60	78
Clayton	7,036	6,897	8,914	10,607	6,836	6,529	8,506	10,106	200	368	408	501	1,452	2,123	2,358	2,657
Cobb	3,718	4,415	5,012	5,518	3,144	3,492	3,939	4,308	574	923	1,073	1,210	1,667	2,448	3,428	4,284
DeKalb	5,292	7,399	6,641	6,105	4,489	6,496	5,843	5,444	803	903	798	661	1,469	2,588	2,605	2,806
Fulton	7,627	6,951	6,617	6,309	5,703	5,175	4,998	4,809	1,924	1,776	1,619	1,500	3,812	4,965	5,189	5,517
Gwinnett	2,897	4,095	5,229	6,398	1,855	2,928	3,852	4,890	1,042	1,167	1,377	1,508	1,383	1,066	1,031	963
Jackson	313	404	392	382	216	210	178	168	97	194	214	214	30	480	919	1,307
Madison	117	156	193	213	86	133	168	189	31	23	25	24	0	0	0	0
Morgan	104	106	136	154	90	85	110	123	14	21	26	31	0	33	50	70
Oconee	52	71	106	116	36	55	93	104	16	16	13	12		20	41	53
Oglethorpe	117	64	60	56	105	39	37	36	12	25	23	20				
Walton	136	215	230	251	122	172	191	209	14	43	39	42	177	158	128	123
Innovation Crescent	28,147	31,834	35,864	39,687	23,209	26,103	29,534	32,834	4,938	5,731	6,330	6,853	10,299	13,970	16,090	18,401

Source: EMSI

Source: EMSI

4C. Establishments in Targeted Industries



Source: EMSI

4C. Establishments in Targeted Industries



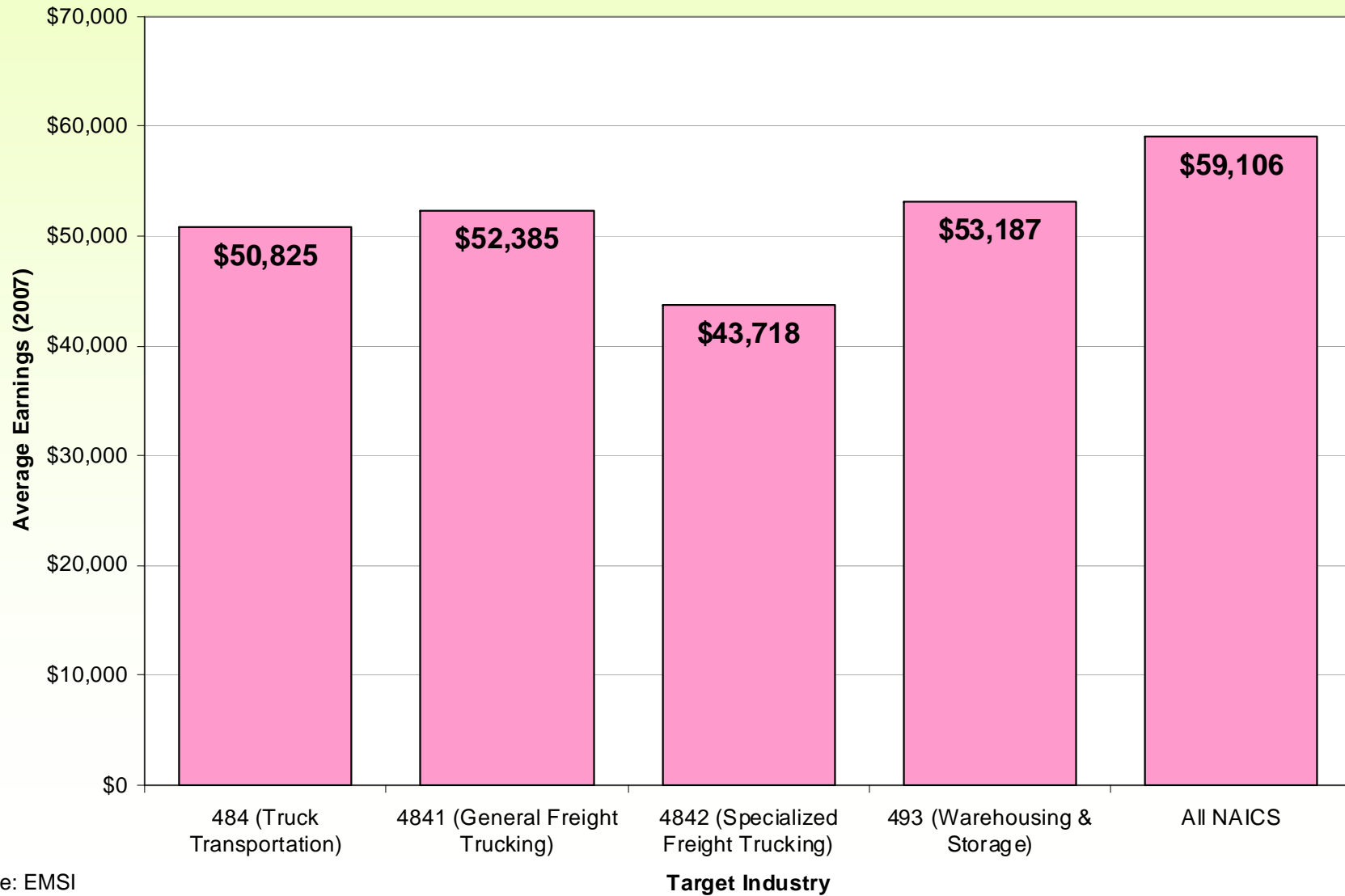
4C. Number of Establishments in Target Industries (2007)

County	484 (Truck Transportation)	4841 (General Freight Trucking)	4842 (Specialized Freight Trucking)	493 (Warehousing & Storage)
Barrow	26	18	8	2
Clarke	33	14	19	3
Clayton	219	186	33	31
Cobb	203	116	87	46
DeKalb	227	144	83	35
Fulton	303	198	105	97
Gwinnett	252	124	128	46
Jackson	31	16	15	7
Madison	10	4	6	0
Morgan	12	4	8	1
Oconee	17	10	7	0
Oglethorpe	5	1	4	0
Walton	34	22	12	3
Innovation Crescent	1,372	857	515	273

Source: EMSI

*Does not total sum of counties due to rounding in economic model

4D. Average Earnings in Targeted Industries



Source: EMSI

4D. Average Earnings in Targeted Industries



4D. Average Earnings in Target Industries (2007)

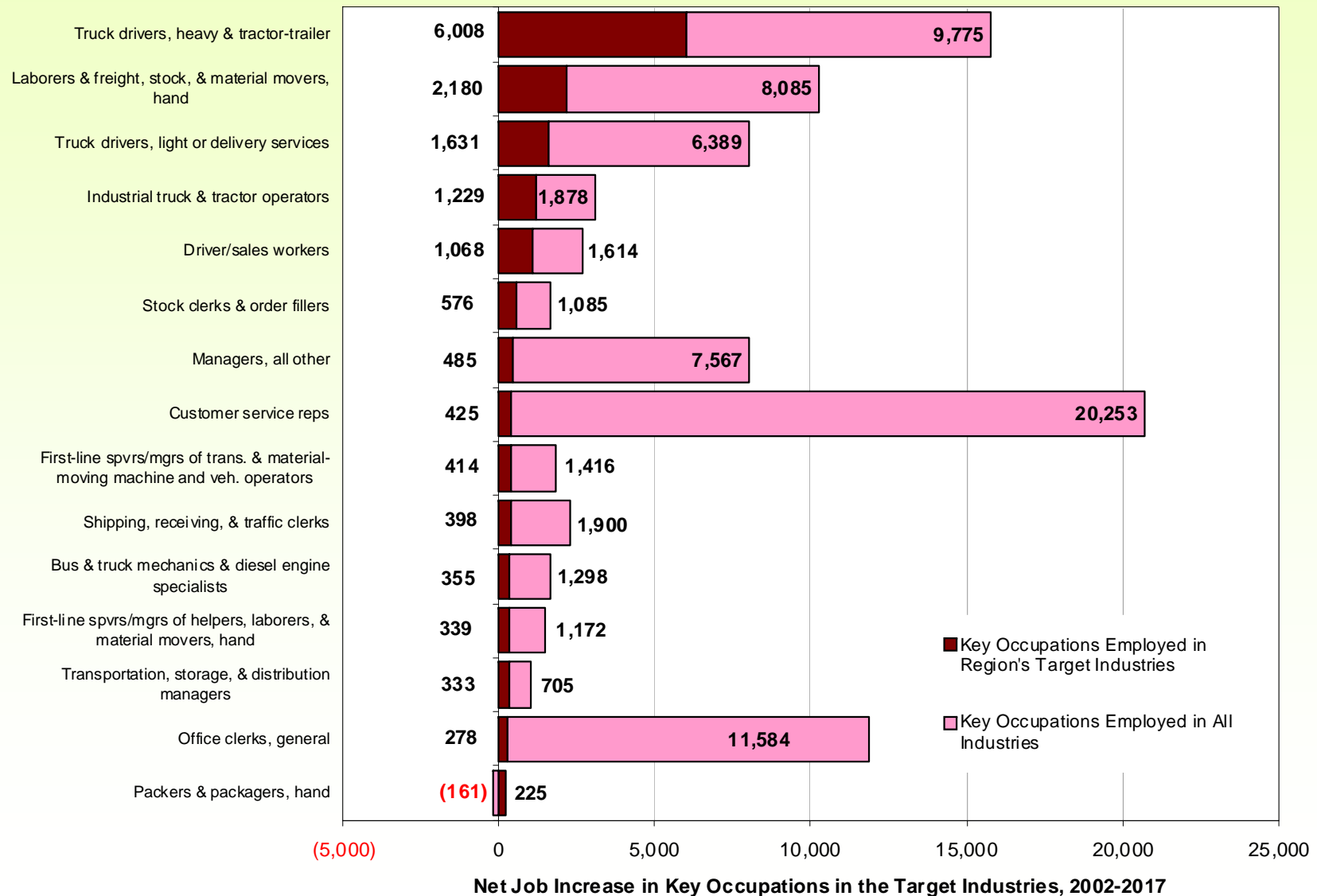
County	484 (Truck Transportation)	4841 (General Freight Trucking)	4842 (Specialized Freight Trucking)	493 (Warehousing & Storage)
Barrow	\$45,042	\$50,624	\$26,531	\$70,730
Clarke	\$44,688	\$51,661	\$30,382	\$30,101
Clayton	\$52,654	\$53,427	\$38,952	\$40,694
Cobb	\$48,060	\$50,674	\$38,163	\$46,538
DeKalb	\$61,518	\$65,298	\$39,351	\$87,738
Fulton	\$49,600	\$50,771	\$46,187	\$50,811
Gwinnett	\$55,332	\$56,409	\$52,618	\$44,978
Jackson	\$60,273	\$58,383	\$62,270	\$37,899
Madison	\$24,311	\$25,137	\$19,786	
Morgan	\$20,511	\$19,523	\$24,575	\$51,188
Oconee	\$26,510	\$23,739	\$41,288	
Oglethorpe	\$28,062	\$23,575	\$33,832	
Walton	\$43,421	\$41,376	\$53,771	\$58,643
Innovation Crescent	\$50,825	\$52,385	\$43,718	\$53,187

Source: EMSI

5. Occupational Trends and Projections

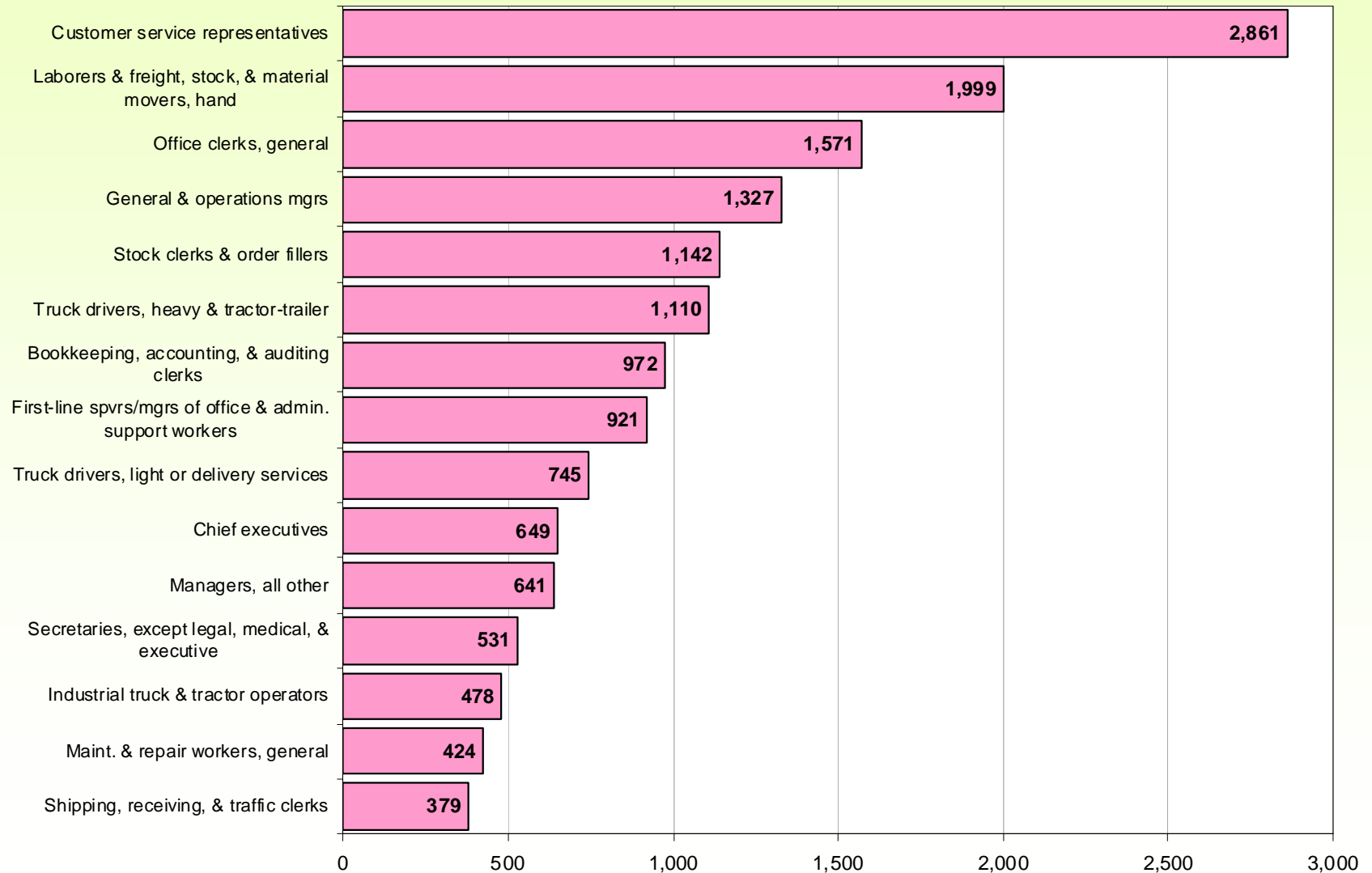


5A. Net Job Increase in Key Occupations (Target Industries)



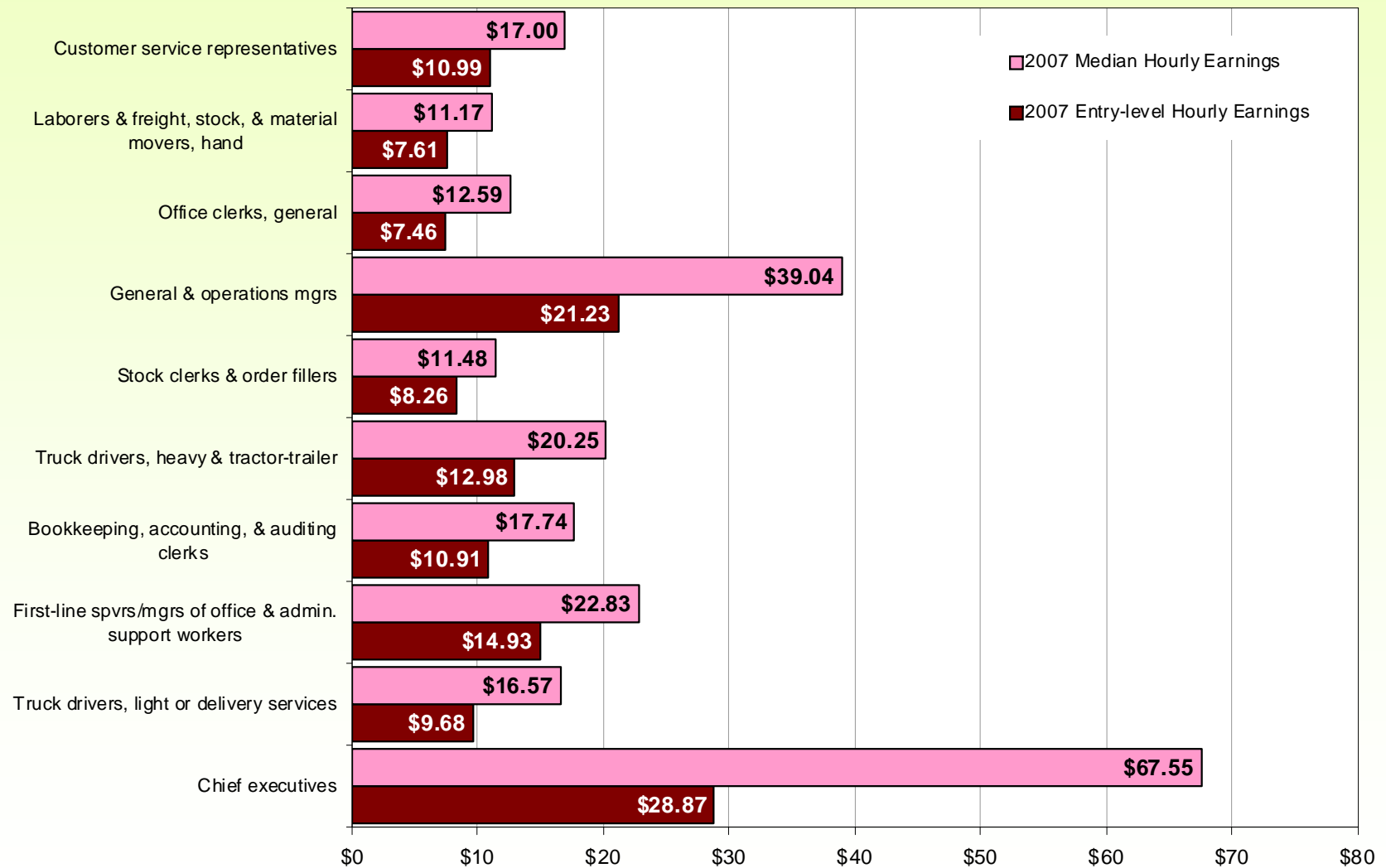
Source: EMSI

5B. Average Annual Job Demand in Key Occupations



Source: EMSI Total Avg Annual Job Demand (New & Replacement) for Key Occupations Relevant to Target Industries, 2002-2017

5C. Hourly Earnings for Key Occupations



Total Avg Annual Job Demand (New & Replacement) for Key Occupations Relevant to Target Industries, 2002-2017

5C. Key Occupations Employed in Region's Target Industries

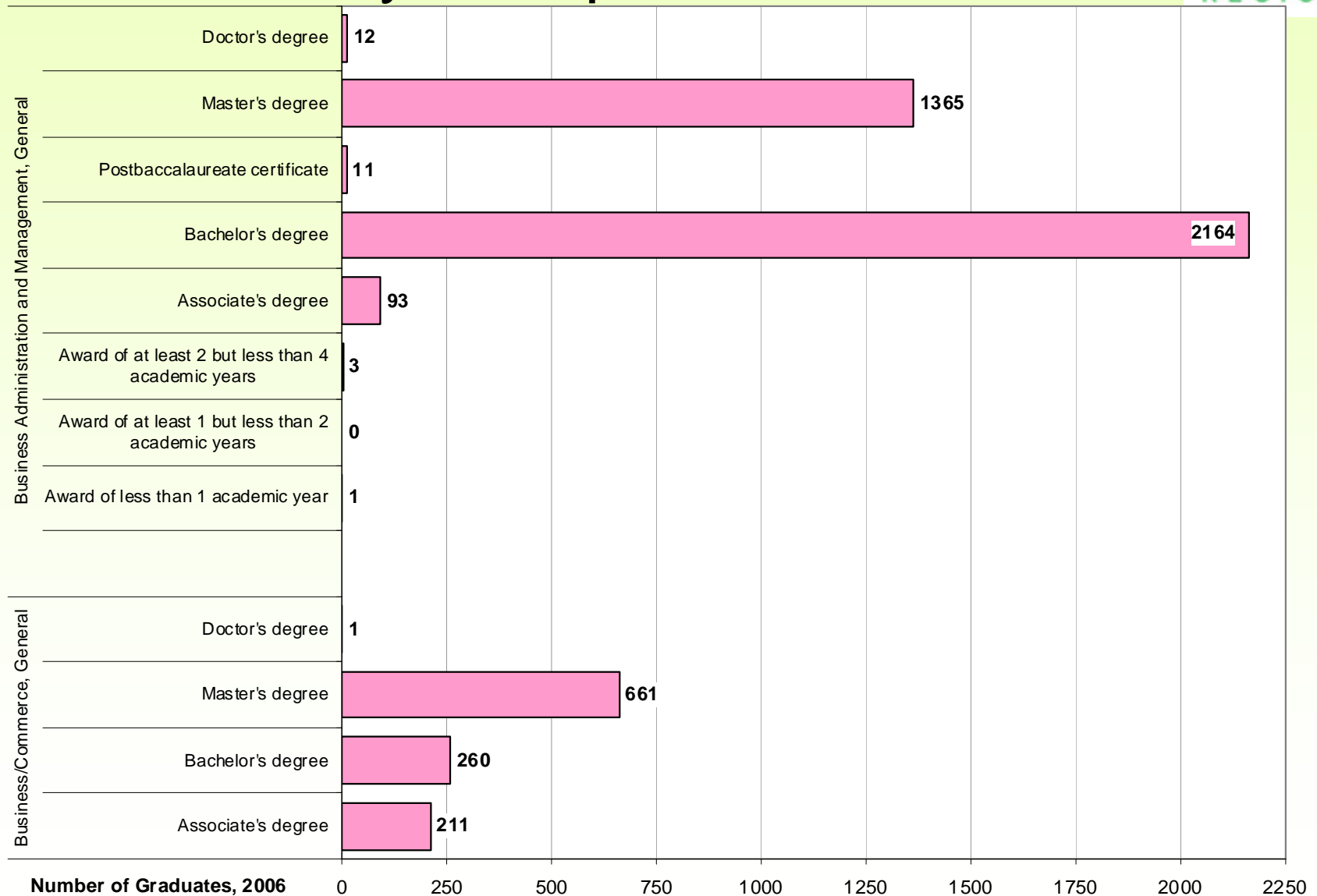


5C. Key Occupations Employed in Region's Target Industries

SOC Code	Description	Avg. Annual Demand, 2002-17 (New & Replacement)	Entry Level Hourly Earnings	Minimum Education Requirement
43-4051	Customer service representatives	2,861	\$10.99	Moderate-term OJT
53-7062	Laborers & freight, stock, & material movers, hand	1,999	\$7.61	Short-term OJT
43-9061	Office clerks, general	1,571	\$7.46	Short-term OJT
11-1021	General & operations mgrs	1,327	\$21.23	Degree plus work experience
43-5081	Stock clerks & order fillers	1,142	\$8.26	Short-term OJT
53-3032	Truck drivers, heavy & tractor-trailer	1,110	\$12.98	Moderate-term OJT
43-3031	Bookkeeping, accounting, & auditing clerks	972	\$10.91	Moderate-term OJT
43-1011	First-line spvrs/mgrs of office & admin. support workers	921	\$14.93	Work experience in a related field
53-3033	Truck drivers, light or delivery services	745	\$9.68	Short-term OJT
11-1011	Chief executives	649	\$28.87	Degree plus work experience
11-9199	Managers, all other	641	\$32.29	Work experience in a related field
43-6014	Secretaries, except legal, medical, & executive	531	\$9.23	Moderate-term OJT
53-7051	Industrial truck & tractor operators	478	\$10.05	Short-term OJT
49-9042	Maint. & repair workers, general	424	\$11.01	Moderate-term OJT
43-5071	Shipping, receiving, & traffic clerks	379	\$9.49	Short-term OJT

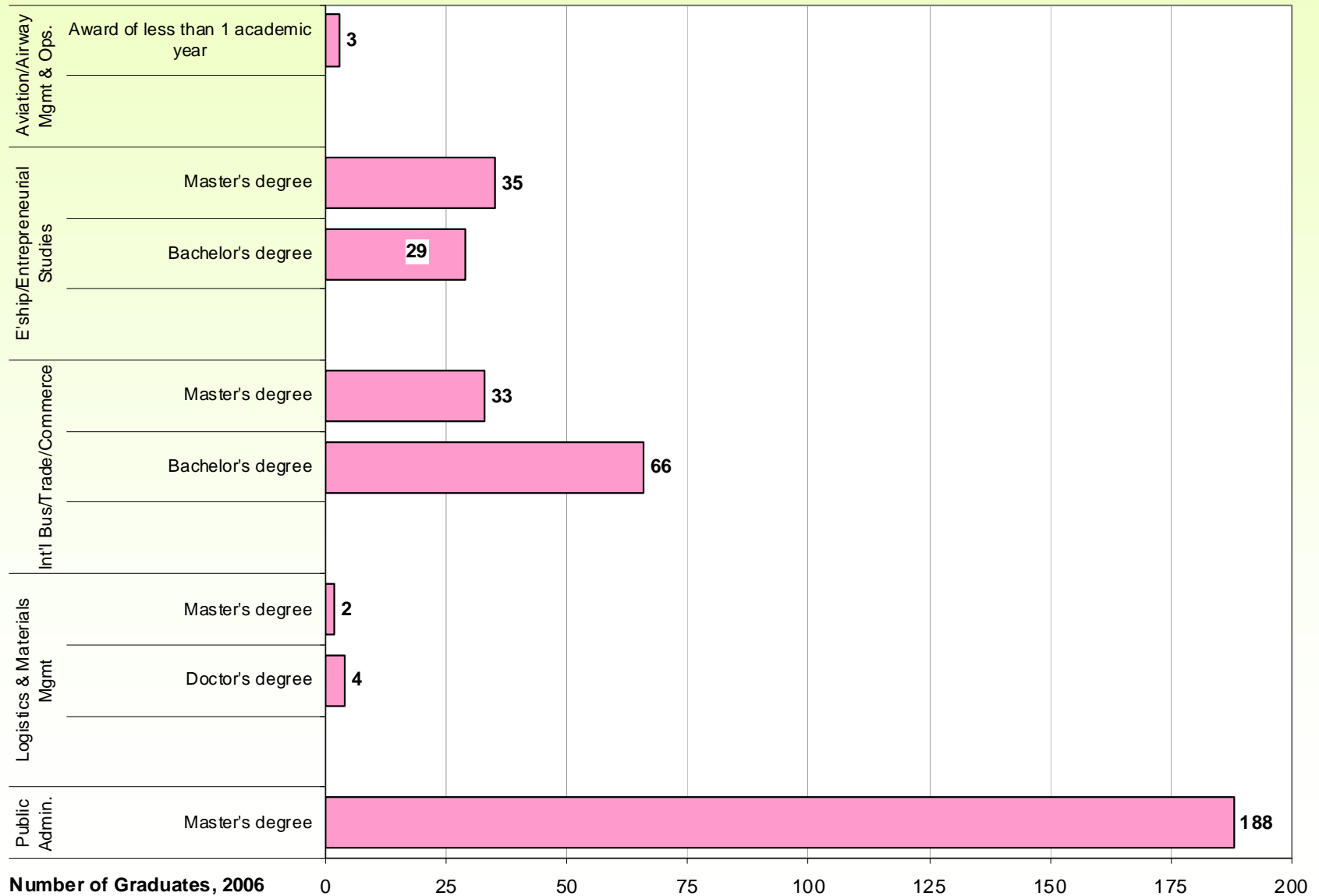
Source: EMSI Complete Employment-March 2008

5D. Selected Post-secondary Graduates Available for Key Occupations



Source: EMSI

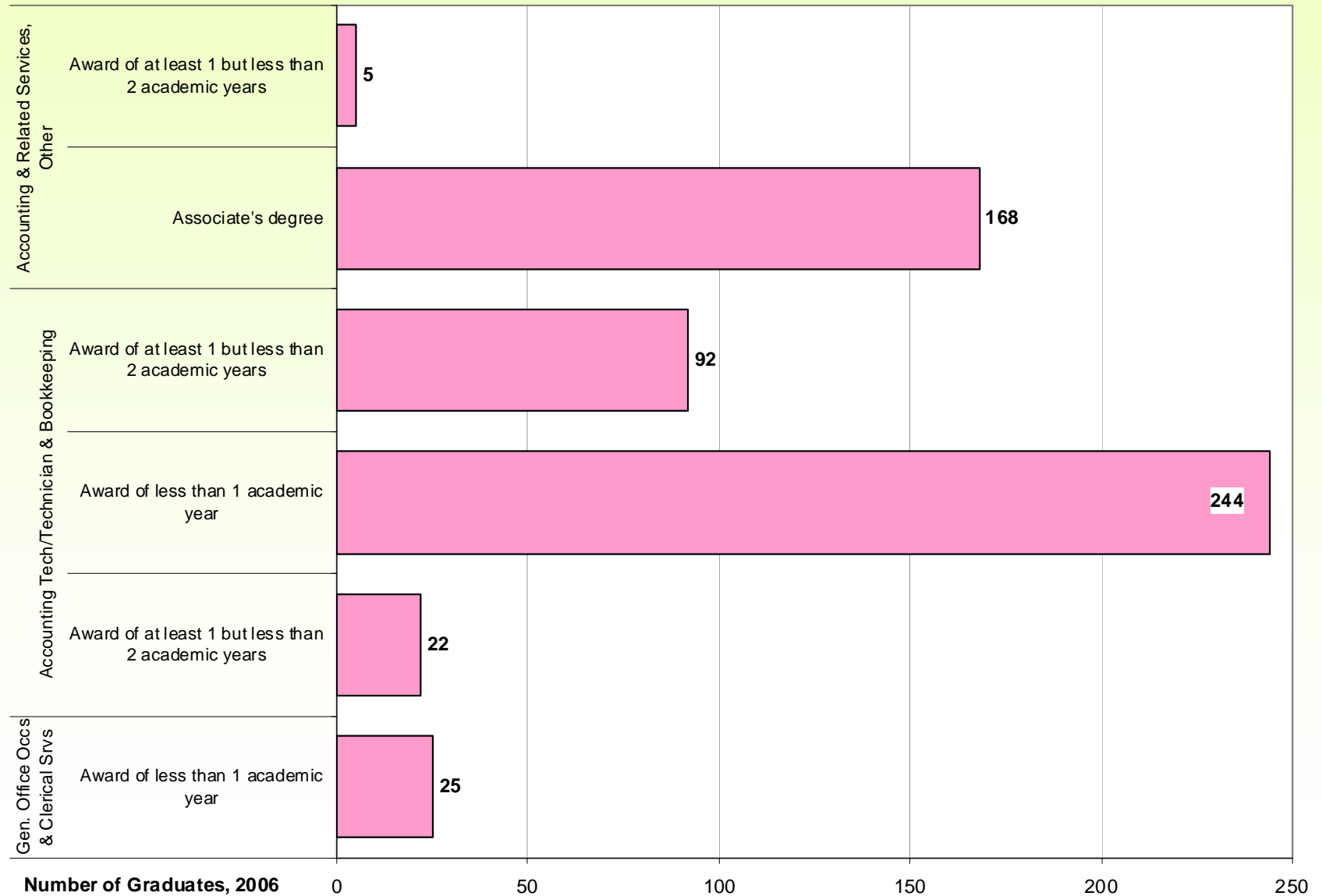
5D. Selected Post-secondary Graduates Available for Key Occupations (cont.)



Source: EMSI

Number of Graduates, 2006

5D. Selected Post-secondary Graduates Available for Key Occupations (cont.)

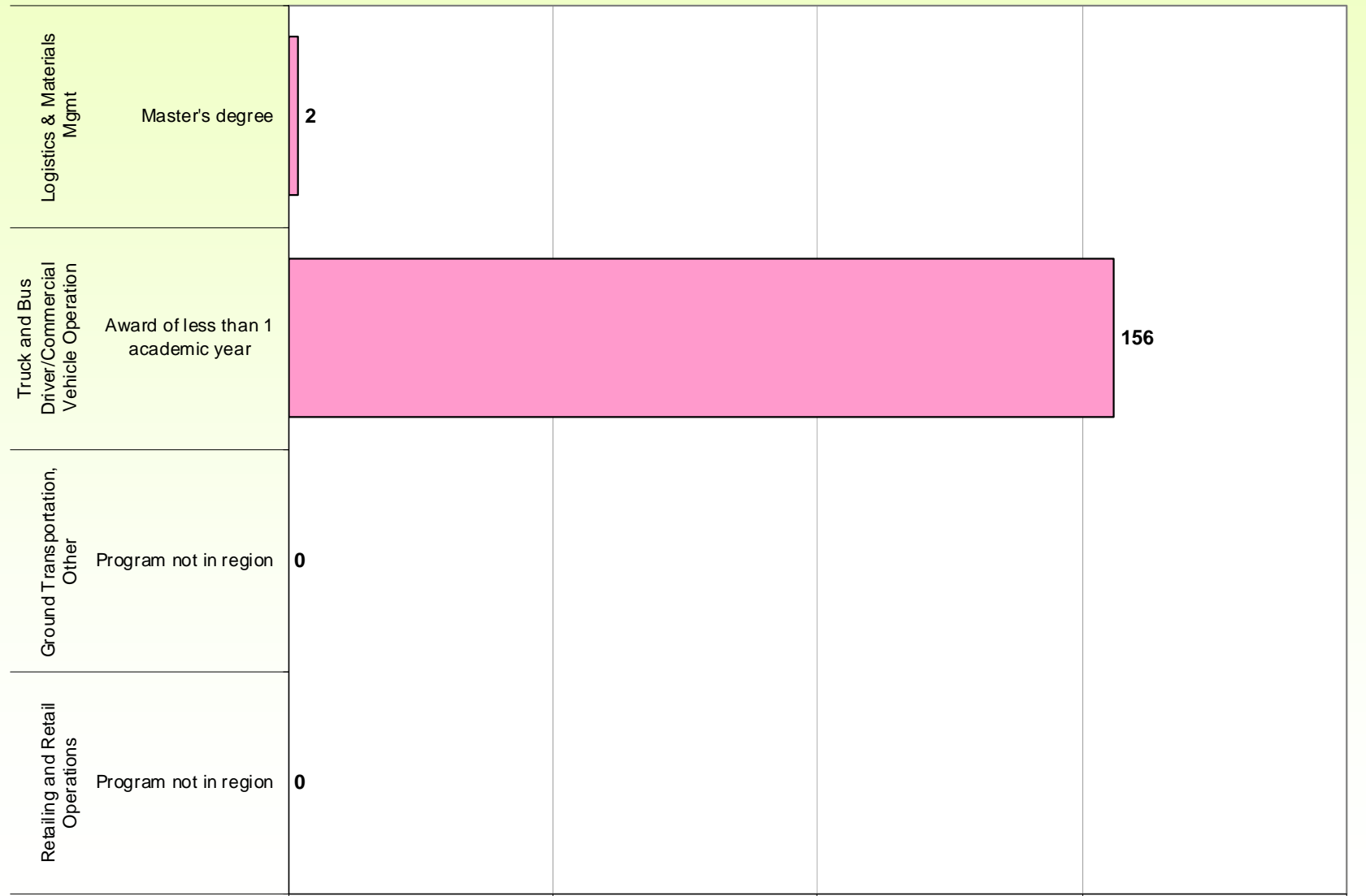


Source: EMSI

Number of Graduates, 2006

0 50 100 150 200 250

5D. Selected Post-secondary Graduates Available for Key Occupations (cont.)



Source: EMSI Number of Graduates, 2006 0 50 100 150 200

Region Info

Region: Innovation Crescent

Counties: Barrow, Clarke, Clayton, Cobb, DeKalb, Fulton, Gwinnett, Jackson, Madison, Morgan, Oconee, Oglethorpe, Walton

Selected Occupation(s)**Chief Executives (O*NET Code 11-1011.00)**

Determine and formulate policies and provide the overall direction of companies or private and public sector organizations within the guidelines set up by a board of directors or similar governing body. Plan, direct, or coordinate operational activities at the highest level of management with the help of subordinate executives and staff managers.

General and Operations Managers (O*NET Code 11-1021.00)

Plan, direct, or coordinate the operations of companies or public and private sector organizations. Duties and responsibilities include formulating policies, managing daily operations, and planning the use of materials and human resources, but are too diverse and general in nature to be classified in any one functional area of management or administration, such as personnel, purchasing, or administrative services. Includes owners and managers who head small business establishments whose duties are primarily managerial.

Transportation Managers (O*NET Code 11-3071.01)

Plan, direct, and coordinate the transportation operations within an organization or the activities of organizations that provide transportation services.

Occupational Programs

CIP Code	Title	2006 Completions
52.0201	Business Administration and Management, General	3,649
52.0101	Business/Commerce, General	1,133
44.0401	Public Administration	192
52.1101	International Business/Trade/Commerce	99
52.0701	Entrepreneurship/Entrepreneurial Studies	64
49.0104	Aviation/Airway Management and Operations	3
52.0203	Logistics and Materials Management	2
49.0101	Aeronautics/Aviation/Aerospace Science and Technology, Program not in region	
52.0209	Transportation/Transportation Management Program not in region	

Source: National Center for Education Statistics

Occupational Programs By Institution

CIP Code	Title	Institution	Award Level	2006 Completions
52.0101	Business/Commerce, General	Georgia State University	Master's degree	427
52.0201	Business Administration and Management, General	Georgia Institute of Technology-Main Campus	Bachelor's degree	336
52.0201	Business Administration and Management, General	University of Georgia	Master's degree	262
52.0201	Business Administration and Management, General	Georgia State University	Bachelor's degree	256
52.0201	Business Administration and Management, General	DeVry University-Georgia	Bachelor's degree	252
52.0201	Business Administration and Management, General	Emory University	Bachelor's degree	229
52.0201	Business Administration and Management, General	Kennesaw State University	Bachelor's degree	216
52.0201	Business Administration and Management, General	DeVry University-Georgia	Master's degree	215
52.0101	Business/Commerce, General	Shorter College-Professional Studies	Associate's degree	211
52.0201	Business Administration and Management, General	Kennesaw State University	Master's degree	195
52.0201	Business Administration and Management, General	Emory University	Master's degree	185
52.0101	Business/Commerce, General	Emory University	Master's degree	180
52.0101	Business/Commerce, General	Shorter College-Professional Studies	Bachelor's degree	164
52.0201	Business Administration and Management, General	Morehouse College	Bachelor's degree	162
52.0201	Business Administration and Management, General	American Intercontinental University-Dunwoody Campus	Master's degree	161
52.0201	Business Administration and Management, General	Clark Atlanta University	Bachelor's degree	142
52.0201	Business Administration and Management, General	University of Georgia	Bachelor's degree	124
52.0201	Business Administration and Management, General	American Intercontinental University-Dunwoody Campus	Bachelor's degree	115
52.0201	Business Administration and Management, General	University of Phoenix-Atlanta Campus	Bachelor's degree	108
52.0201	Business Administration and Management, General	University of Phoenix-Atlanta Campus	Master's degree	108
52.0101	Business/Commerce, General	University of Georgia	Bachelor's degree	78
52.0201	Business Administration and Management, General	Georgia Institute of Technology-Main Campus	Master's degree	71
44.0401	Public Administration	Kennesaw State University	Master's degree	71
52.1101	International Business/Trade/Commerce	University of Georgia	Bachelor's degree	66
52.0201	Business Administration and Management, General	Shorter College-Professional Studies	Bachelor's degree	65
52.0201	Business Administration and Management, General	Clayton State University	Bachelor's degree	61
44.0401	Public Administration	Georgia State University	Master's degree	59
52.0201	Business Administration and Management, General	Shorter College-Professional Studies	Master's degree	59
44.0401	Public Administration	University of Georgia	Master's degree	50
52.0201	Business Administration and Management, General	Clark Atlanta University	Master's degree	45
52.0101	Business/Commerce, General	Shorter College-Professional Studies	Master's degree	45
52.0201	Business Administration and Management, General	American Intercontinental University	Bachelor's degree	40
52.0701	Entrepreneurship/Entrepreneurial Studies	Southern Polytechnic State University	Master's degree	35
52.0201	Business Administration and Management, General	Oglethorpe University	Bachelor's degree	30
52.0701	Entrepreneurship/Entrepreneurial Studies	Southern Polytechnic State University	Bachelor's degree	29
52.0201	Business Administration and Management, General	American Intercontinental University	Master's degree	29
52.0201	Business Administration and Management, General	Gwinnett College	Associate's degree	27
52.0201	Business Administration and Management, General	Georgia State University	Master's degree	23
52.0201	Business Administration and Management, General	Gwinnett Technical College	Associate's degree	23
52.1101	International Business/Trade/Commerce	Georgia State University	Master's degree	17
52.1101	International Business/Trade/Commerce	University of Phoenix-Atlanta Campus	Master's degree	16
52.0201	Business Administration and Management, General	Bauder College	Associate's degree	13
52.0201	Business Administration and Management, General	Oglethorpe University	Master's degree	12
52.0201	Business Administration and Management, General	Bauder College	Bachelor's degree	12
52.0201	Business Administration and Management, General	Georgia Military College-Atlanta Campus	Associate's degree	12
52.0201	Business Administration and Management, General	University of Georgia	Doctor's degree	11
52.0201	Business Administration and Management, General	DeVry University-Georgia	Postbaccalaureate certificate	11
52.0101	Business/Commerce, General	Clayton State University	Bachelor's degree	10
52.0201	Business Administration and Management, General	Atlanta Christian College	Bachelor's degree	10
52.0101	Business/Commerce, General	Argosy University-Atlanta Campus	Master's degree	9
44.0401	Public Administration	Clark Atlanta University	Master's degree	8
52.0201	Business Administration and Management, General	Lincoln College of Technology	Associate's degree	7
52.0101	Business/Commerce, General	Life University	Bachelor's degree	7
52.0201	Business Administration and Management, General	American Intercontinental University-Dunwoody Campus	Associate's degree	6
52.0201	Business Administration and Management, General	Herzing College	Bachelor's degree	6
44.0401	Public Administration	University of Georgia	Doctor's degree	4
49.0104	Aviation/Airway Management and Operations	Georgia State University	Award of less than 1 academ	3
52.0201	Business Administration and Management, General	Gwinnett Technical College	Award of at least 2 but less th	3
52.0203	Logistics and Materials Management	Georgia Institute of Technology-Main Campus	Master's degree	2
52.0201	Business Administration and Management, General	Herzing College	Associate's degree	2
52.0201	Business Administration and Management, General	Atlanta Christian College	Associate's degree	1
52.0201	Business Administration and Management, General	Lincoln College of Technology	Award of less than 1 academ	1
52.0101	Business/Commerce, General	Emory University	Doctor's degree	1
52.0201	Business Administration and Management, General	Georgia Institute of Technology-Main Campus	Doctor's degree	1
52.0101	Business/Commerce, General	Argosy University-Atlanta Campus	Bachelor's degree	1
52.0201	Business Administration and Management, General	Atlanta Metropolitan College	Associate's degree	1
52.0201	Business Administration and Management, General	American Intercontinental University	Associate's degree	1
52.0201	Business Administration and Management, General	Gwinnett College	Award of at least 1 but less th	0
52.0201	Business Administration and Management, General	ITT Technical Institute-Duluth	Bachelor's degree	0
52.0201	Business Administration and Management, General	ITT Technical Institute-Kennesaw	Bachelor's degree	0

Source: National Center for Education Statistics

First-Line Supervisors/Mgrs of Office and Admin Support Workers (O*NET Code 43-1011.00)

Supervise and coordinate the activities of clerical and administrative support workers.

Bookkeeping, Accounting, and Auditing Clerks (O*NET Code 43-3031.00)

Compute, classify, and record numerical data to keep financial records complete. Perform any combination of routine calculating, posting, and verifying duties to obtain primary financial data for use in maintaining accounting records. May also check the accuracy of figures, calculations, and postings pertaining to business transactions recorded by other workers.

Customer Service Representatives (O*NET Code 43-4051.00)

Interact with customers to provide information in response to inquiries about products and services and to handle and resolve complaints.

Dispatchers, Except Police, Fire, and Ambulance (O*NET Code 43-5032.00)

Schedule and dispatch workers, work crews, equipment, or service vehicles for conveyance of materials, freight, or passengers, or for normal installation, service, or emergency repairs

Shipping, Receiving, and Traffic Clerks (O*NET Code 43-5071.00)

Verify and keep records on incoming and outgoing shipments. Prepare items for shipment. Duties include assembling, addressing, stamping, and shipping merchandise or material; receiving, unpacking, verifying and recording incoming merchandise or material; and arranging for the transportation of products.

Stock Clerks, Sales Floor (O*NET Code 43-5081.01)

Receive, store, and issue sales floor merchandise. Stock shelves, racks, cases, bins, and tables with merchandise and arrange merchandise displays to attract customers. May periodically take physical count of stock or check and mark merchandise.

Marking Clerks (O*NET Code 43-5081.02)

Print and attach price tickets to articles of merchandise using one or several methods, such as marking price on tickets by hand or using ticket-printing machine.

Stock Clerks- Stockroom, Warehouse, or Storage Yard (O*NET Code 43-5081.03)

Receive, store, and issue materials, equipment, and other items from stockroom, warehouse, or storage yard. Keep records and compile stock reports.

Order Fillers, Wholesale and Retail Sales (O*NET Code 43-5081.04)

Fill customers' mail and telephone orders from stored merchandise in accordance with specifications on sales slips or order forms. Duties include computing prices of items, completing order receipts, keeping records of out-going orders, and requisitioning additional materials, supplies, and equipment.

Office Clerks, General (O*NET Code 43-9061.00)

be assigned in accordance with the office procedures of individual establishments and may include a combination of answering telephones, bookkeeping, typing or word processing, stenography, office machine operation, and filing.

Occupational Programs

CIP Code	Title	2006 Completions
52.0302	Accounting Technology/Technician and Bookkeeping	504
52.0408	General Office Occupations and Clerical Services	47
52.0399	Accounting and Related Services, Other	5
52.0203	Logistics and Materials Management	2
52.1803	Retailing and Retail Operations	Program not in region

Source: National Center for Education Statistics

Occupational Programs By Institution

CIP Code	Title	Institution	Award Level	2006 Completions
52.0302	Accounting Technology/Technician and Bookkeeping	Chattahoochee Technical College	Award of less than 1 academ	146
52.0302	Accounting Technology/Technician and Bookkeeping	Dekalb Technical College	Associate's degree	52
52.0302	Accounting Technology/Technician and Bookkeeping	Gwinnett Technical College	Award of less than 1 academ	51
52.0302	Accounting Technology/Technician and Bookkeeping	Dekalb Technical College	Award of less than 1 academ	43
52.0302	Accounting Technology/Technician and Bookkeeping	Chattahoochee Technical College	Associate's degree	40
52.0302	Accounting Technology/Technician and Bookkeeping	Gwinnett Technical College	Associate's degree	37
52.0302	Accounting Technology/Technician and Bookkeeping	Chattahoochee Technical College	Award of at least 1 but less th	26
52.0302	Accounting Technology/Technician and Bookkeeping	Atlanta Technical College	Award of at least 1 but less th	24
52.0408	General Office Occupations and Clerical Services	Clayton State University	Award of at least 1 but less th	22
52.0302	Accounting Technology/Technician and Bookkeeping	Athens Technical College	Associate's degree	21
52.0302	Accounting Technology/Technician and Bookkeeping	Dekalb Technical College	Award of at least 1 but less th	14
52.0302	Accounting Technology/Technician and Bookkeeping	Gwinnett Technical College	Award of at least 1 but less th	12
52.0408	General Office Occupations and Clerical Services	Atlanta Technical College	Award of less than 1 academ	10
52.0302	Accounting Technology/Technician and Bookkeeping	Athens Technical College	Award of at least 1 but less th	8
52.0408	General Office Occupations and Clerical Services	Clayton State University	Award of less than 1 academ	8
52.0302	Accounting Technology/Technician and Bookkeeping	Brown Mackie College-Atlanta	Associate's degree	8
52.0302	Accounting Technology/Technician and Bookkeeping	Interactive College of Technology	Award of at least 1 but less th	8
52.0302	Accounting Technology/Technician and Bookkeeping	Atlanta Metropolitan College	Associate's degree	7
52.0408	General Office Occupations and Clerical Services	Gwinnett Technical College	Award of less than 1 academ	7
52.0399	Accounting and Related Services, Other	Interactive College of Technology	Award of at least 1 but less th	5
52.0302	Accounting Technology/Technician and Bookkeeping	Interactive College of Technology	Associate's degree	3
52.0302	Accounting Technology/Technician and Bookkeeping	Athens Technical College	Award of less than 1 academ	2
52.0302	Accounting Technology/Technician and Bookkeeping	Atlanta Technical College	Award of less than 1 academ	2
52.0203	Logistics and Materials Management	Georgia Institute of Technology-Main Campus	Master's degree	2
52.0302	Accounting Technology/Technician and Bookkeeping	Brown Mackie College-Atlanta	Award of at least 1 but less th	0

Source: National Center for Education Statistics

First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand (O*NET Code 53-1021.00)

Supervise and coordinate the activities of helpers, laborers, or material movers.

First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators (O*NET Code 53-1031.00)

Directly supervise and coordinate activities of transportation and material-moving machine and vehicle operators and helpers.

Driver/Sales Workers (O*NET Code 53-3031.00)

Drive truck or other vehicle over established routes or within an established territory and sell goods, such as food products, including restaurant take-out items, or pick up and deliver items, such as laundry. May also take orders and collect payments. Includes newspaper delivery drivers.

Truck Drivers, Heavy and Tractor-Trailer (O*NET Code 53-3032.00)

Drive a tractor-trailer combination or a truck with a capacity of at least 26,000 GVW, to transport and deliver goods, livestock, or materials in liquid, loose, or packaged form. May be required to unload truck. May require use of automated routing equipment. Requires commercial drivers' license.

Truck Drivers, Light or Delivery Services (O*NET Code 53-3033.00)

Drive a truck or van with a capacity of under 26,000 GVW, primarily to deliver or pick up merchandise or to deliver packages within a specified area. May require use of automatic routing or location software. May load and unload truck.

Industrial Truck and Tractor Operators (O*NET Code 53-7051.00)

Operate industrial trucks or tractors equipped to move materials around a warehouse, storage yard, factory, construction site, or similar location.

Laborers and Freight, Stock, and Material Movers, Hand (O*NET Code 53-7062.00)

Manually move freight, stock, or other materials or perform other unskilled general labor. Includes all unskilled manual laborers not elsewhere classified.

Packers and Packagers, Hand (O*NET Code 53-7064.00)

Pack or package by hand a wide variety of products and materials.

Occupational Programs

CIP Code	Title	2006 Completions
49.0205	Truck and Bus Driver/Commercial Vehicle Operation	156
49.0299	Ground Transportation, Other	Program not in region
52.1803	Retailing and Retail Operations	Program not in region

Source: National Center for Education Statistics

Occupational Programs By Institution

CIP Code	Title	Institution	Award Level	2006 Completions
49.0205	Truck and Bus Driver/Commercial Vehicle Operation	Dekalb Technical College	Award of less than 1 academ	122
49.0205	Truck and Bus Driver/Commercial Vehicle Operation	Athens Technical College	Award of less than 1 academ	34

Source: National Center for Education Statistics