

Dorchester County Base Labor Market Analysis



South Carolina
Department of
Commerce
Labor Market Information



August 2009

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EXECUTIVE SUMMARY

Population

Dorchester County's population growth has been faster than the state's in recent years.

Future growth is expected to continue to be faster than the state's.

Almost half of Dorchester County's workers live within the county, and over a third come from Berkeley and Charleston counties.

Income

Per capita income growth has been faster than in the state and the same as in the nation.

Dorchester County's per capita income has remained below state and national levels from 1997 to 2007.

Dorchester County's average wages are higher than the state's for the farming and forestry, and transportation and material moving occupation groups.

Education

The number of degrees awarded by area post-secondary institutions has increased.

The greatest increase has been in the area of healthcare.

Occupations

The following occupational groups are expected to have faster growth in Dorchester County than in the state:

Community and social services; education, training and library; healthcare practitioners and technical; healthcare support; food preparation and serving related; personal care and service; and installation, maintenance and repair.

Requirements for Dorchester County's workers are expected to grow in the following levels of education and experience:

Postsecondary vocational award, associate's degree, and degree plus work experience.

Industry

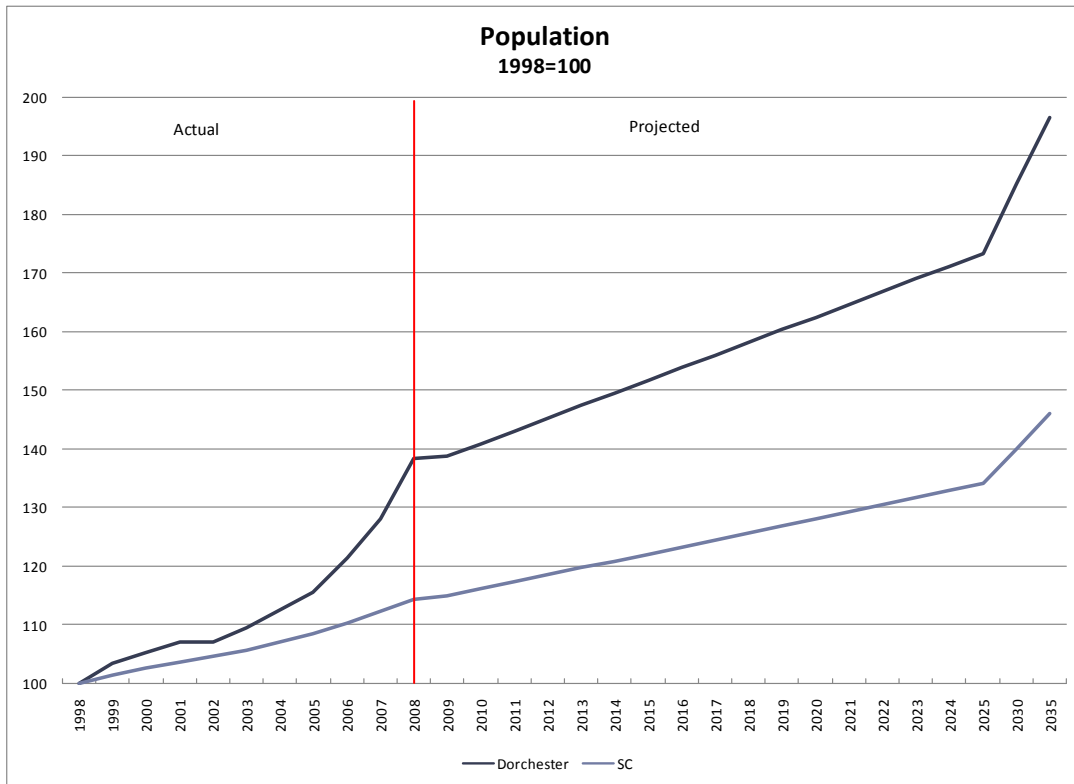
These sectors are rated as having potential in Dorchester County:

Paper manufacturing, waste management and remediation services, nonmetallic mineral product manufacturing, and merchant wholesalers, durable goods.

POPULATION

Growth

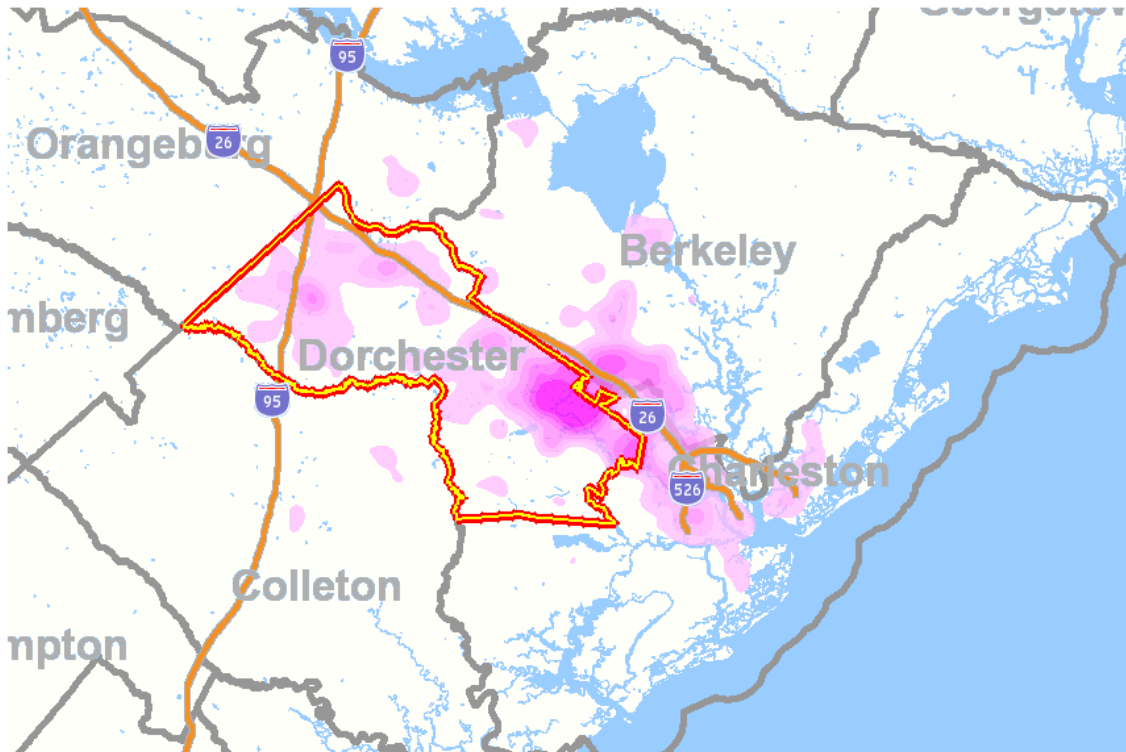
Dorchester County's 2008 population was 127,133. The county population has grown by 38.4 % since 1998, compared to 14.3% growth for South Carolina. Dorchester's future population growth is expected to continue to be faster than the state's.



Source: U.S. Census Bureau (estimates) and SC Budget & Control Board/Office of Research and Statistics (projections).

LABORSHED

The map below shows where Dorchester County workers come from (in 2006, latest available data). Dorchester County draws almost half of its workers from within its borders, and over a third from Berkeley and Charleston counties.



Source: U.S. Census Bureau, Local Employment Dynamics.

Characteristics of Workers

Age of Workers:

30 or younger	29.7%
31 to 54	54.6%
55 or older	15.7%

Earnings of Workers:

\$1,200 per month or less	31.3%
\$1,201 to \$3,400 per month	45.3%
More than \$3,400 per month	23.5%

States Where Workers Live:

South Carolina	99.3%
All other locations	0.7%

Counties Where Workers Live:

Dorchester	47.5%
Berkeley	18.1%
Charleston	17.6%
Orangeburg	3.7%
Colleton	3.1%
Richland	1.2%
Horry	1.0%
Lexington	0.8%
Beaufort	0.7%
Georgetown	0.5%
All Other Locations	5.8%

Cities Where Workers Live:

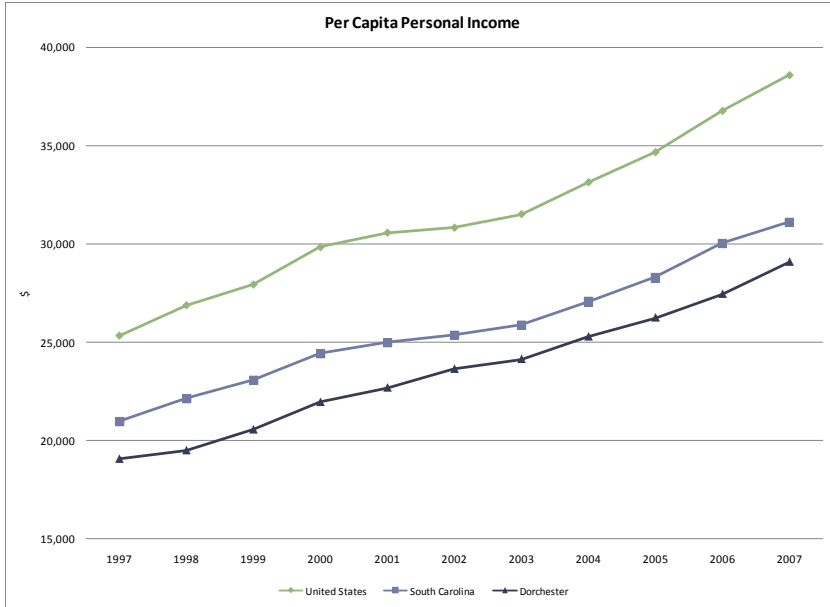
Summerville, SC	15.4%
North Charleston, SC	7.0%
Charleston, SC	4.8%
Goose Creek, SC	3.5%
Ladson, SC	2.8%
Mount Pleasant, SC	1.8%
St. George, SC	1.4%
Hanahan, SC	1.1%
Ridgeville, SC	0.9%
Moncks Corner, SC	0.6%
All Other Locations	60.9%

Source: U.S. Census Bureau, Local Employment Dynamics.

INCOME

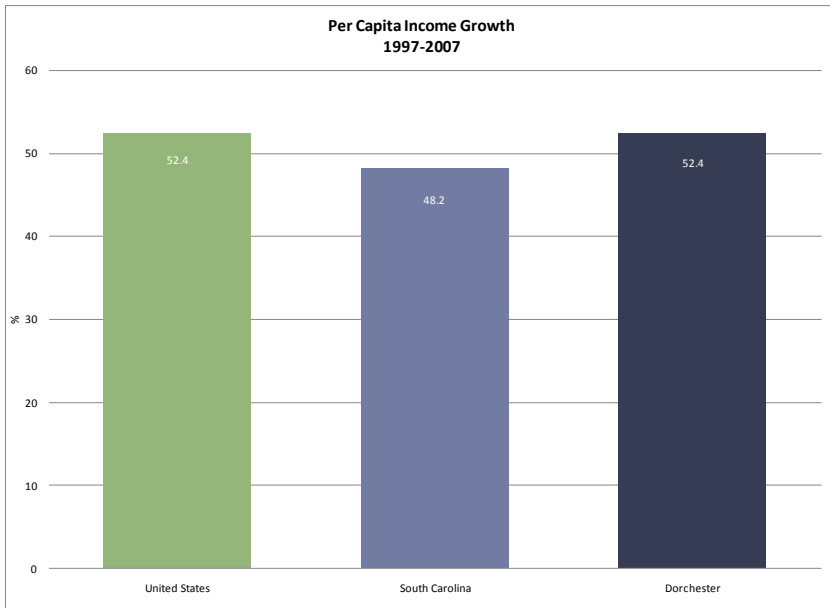
Per Capita Income

Dorchester County's per capita income has remained below state and national levels.



Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Dorchester County's per capita income has grown faster than South Carolina's and at the same rate as the nation's. Income and population growth were both well above the state average.



Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Wages by Industry

Dorchester County's average wages are below those of South Carolina (\$604 vs. \$697 in 2008). Average wages were up 15% in Dorchester County over the past five years, compared to 18% for the state. All major sectors had growth.

Industry	NAICS Code	2008 Average Weekly Wage (\$)	2003 Average Weekly Wage (\$)	% Change
Total, Private and Government		604	527	15
Construction	23	686	542	27
Manufacturing	31-33	974	786	24
Retail Trade	44-45	409	363	13
Transportation and Warehousing	48-49	725	630	15
Information	51	663	657	1
Finance and Insurance	52	738	624	18
Real Estate and Rental and Leasing	53	573	527	9
Administration & Support & Waste Management & Remediation Services	56	509	405	26
Health Care & Social Assistance	62	528	461	15
Arts, Entertainment, and Recreation	71	273	199	37
Accommodation and Food Services	72	227	192	18
Other Services (Except Public Administration)	81	419	362	16
Federal Government		917	779	18
State Government		588	504	17
Local Government		622	529	18

Source: U.S. Department of Labor, Bureau of Labor Statistics, Quarterly Census of Employment and Wages.

Wages by Occupation

Average wages in Dorchester County are higher than the state average in the following occupational groups:

- Farming and forestry
- Transportation and material moving

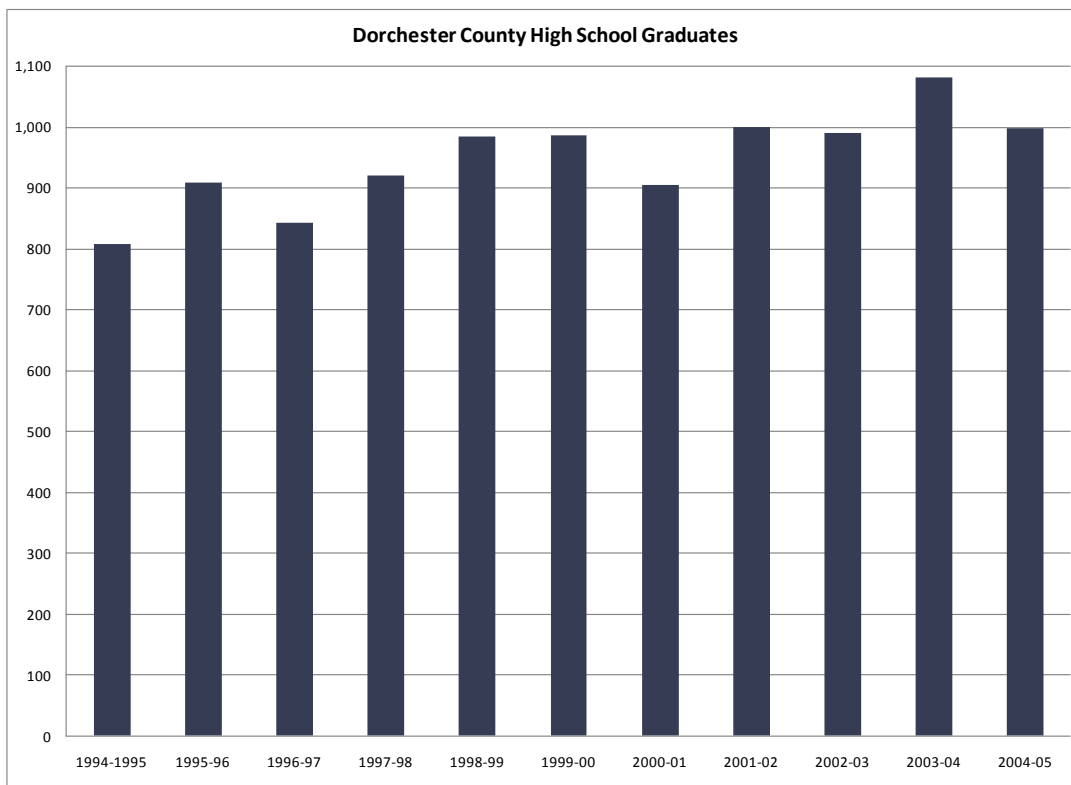
Occupation	2009 Dorchester County Median Hourly Wage (\$)	2009 SC Median Hourly Wage (\$)
Management occupations	22.65	23.49
Business and financial operations occupations	17.91	19.14
Computer and mathematical science occupations	19.26	25.83
Architecture and engineering occupations	26.58	28.98
Life, physical and social science occupations	19.22	21.12
Community and social services occupations	10.10	12.94
Legal occupations	18.38	25.39
Education, training and library occupations	20.23	22.66
Arts, design, entertainment, sports and media occupations	10.14	12.27
Healthcare practitioners and technical occupations	23.91	28.56
Healthcare support occupations	9.25	10.74
Protective service occupations	12.28	14.37
Food preparation and serving related occupations	7.22	8.18
Building and grounds cleaning and maintenance occupations	8.53	8.75
Personal care and service occupations	7.92	8.41
Sales and related occupations	9.60	11.00
Office and administrative support occupations	11.15	13.06
Farming, fishing, and forestry occupations	12.63	10.85
Construction and extraction occupations	13.59	14.10
Installation, maintenance and repair occupations	15.32	16.19
Production occupations	14.07	14.75
Transportation and material moving occupations	13.91	12.65

Source: *Economic Modeling Specialists, Inc.*

EDUCATION

High School Graduates

From 1995 to 2005 (latest data available), the number of Dorchester County students receiving high school diplomas rose by 190 (23%). In South Carolina, on the other hand, the number of high school diplomas increased 9% from 1995 to 2005. A total of 997 people received high school diplomas in Dorchester County in 2005. Dorchester County had 284 more 12th grade students in 2004-05 than in 1994-95. Also, the number of Dorchester County students not passing the exit exam who received a certificate of completion instead of a diploma was up by 61 (to 77) over the 1995-2005 period.




Source: National Center for Education Statistics.

Higher Education Graduates

Over 2,000 more students graduated from higher educational institutions in the Charleston region in 2007 than in 1997, an increase of 32%. The greatest numerical increase was in the healthcare field.

Program	1997	2007	Change	% Change
Agriculture, agriculture operations, and related sciences	36	8	-28	-78
Area, ethnic, cultural, and gender studies	--	4	--	--
Biological and biomedical sciences	346	377	31	9
Business, management, marketing, and related support services	1,040	1,433	393	38
Communication, journalism, and related programs	191	291	100	52
Communications technologies/technicians and support services	25	25	0	0
Computer and information sciences and support services	153	237	84	55
Construction trades	1	1	0	0
Education	911	713	-198	-22
Engineering technologies/technicians	168	223	55	33
Engineering	67	74	7	10
English language and literature/letters	131	117	-14	-11
Family and consumer sciences/human sciences	140	231	91	65
Foreign languages, literatures, and linguistics	40	123	83	208
Health professions and related clinical sciences	1,307	1,907	600	46
Social sciences and history	444	535	91	20
Legal professions and studies	58	75	17	29
Liberal arts and sciences, general studies and humanities	323	369	46	14
Mathematics and statistics	64	60	-4	-6
Mechanic and repair technologies/technicians	86	164	78	91
Multi/interdisciplinary studies	29	93	64	221
Natural resources and conservation	34	30	-4	-12
Parks, recreation, leisure, and fitness studies	1	66	65	6,500
Personal and culinary services	85	222	137	161
Philosophy and religious studies	39	70	31	79
Physical sciences	78	96	18	23
Precision production	141	54	-87	-62
Psychology	257	309	52	20
Public administration and social service professions	100	110	10	10
Science technologies/technicians	23	13	-10	-43
Security and protective services	116	300	184	159
Theology and religious vocations	4	21	17	425
Visual and performing arts	136	295	159	117
TOTAL	6,574	8,646	2,072	32

Source: National Center for Education Statistics (Integrated Post Secondary Education System).



Data for these schools: Beta Tech, Charleston Southern University, Citadel Military College of South Carolina, Clafin University, College of Charleston, Denmark Technical College, Medical University of South Carolina, Miller-Motte Technical College, Orangeburg Calhoun Technical College, South Carolina State University, Southern Methodist College, Trident Technical College, Voorhees College, Williamsburg Technical College.

OCCUPATIONS

Occupational Projections

The following occupational groups are projected to grow faster in Dorchester County than in the state:

- Community and social services
- Education, training and library
- Healthcare practitioners and technical
- Healthcare support
- Food preparation and serving related
- Personal care and service
- Installation, maintenance and repair

See **Appendix A** for detailed occupational information.

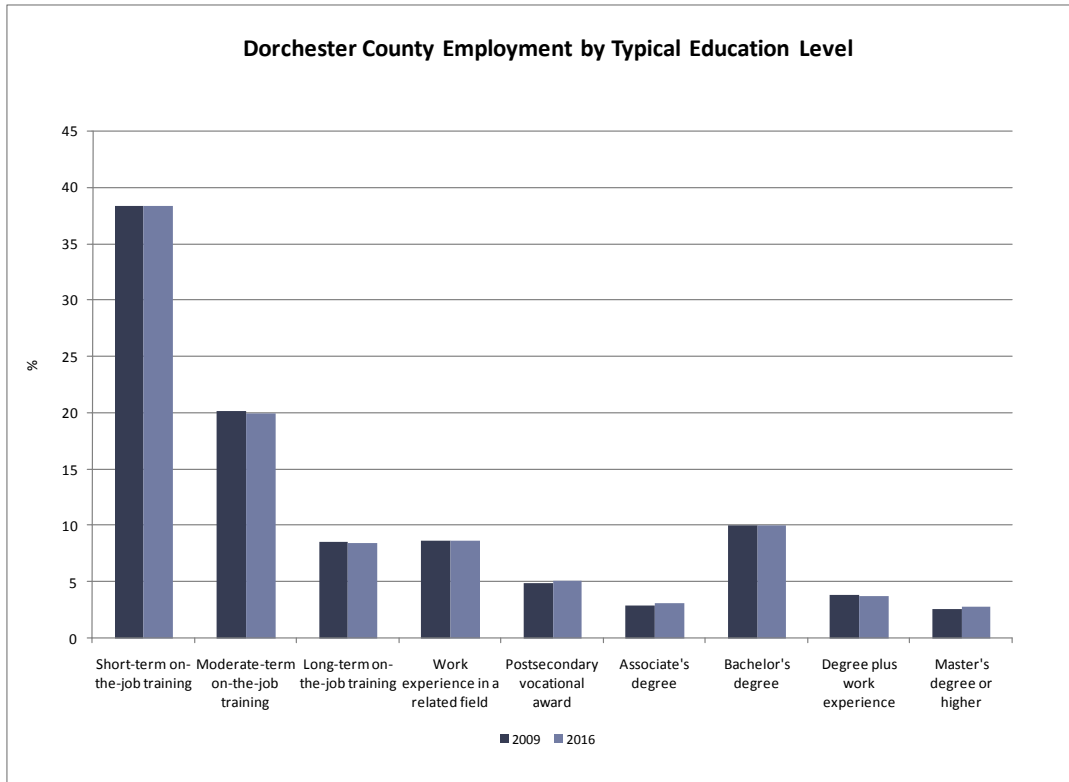
Occupation	2009-2016 Dorchester County Projected Growth (%)	2009-2016 SC Projected Growth (%)
Management occupations	6	13
Business and financial operations occupations	10	15
Computer and mathematical science occupations	13	15
Architecture and engineering occupations	-4	11
Life, physical and social science occupations	-1	10
Community and social services occupations	17	9
Legal occupations	14	17
Education, training and library occupations	13	10
Arts, design, entertainment, sports and media occupations	6	13
Healthcare practitioners and technical occupations	21	17
Healthcare support occupations	28	20
Protective service occupations	10	10
Food preparation and serving related occupations	20	9
Building and grounds cleaning and maintenance occupations	9	18
Personal care and service occupations	15	6
Sales and related occupations	8	16
Office and administrative support occupations	8	8
Farming, fishing and forestry occupations	-26	6
Construction and extraction occupations	12	12
Installation, maintenance and repair occupations	13	12
Production occupations	-3	-1
Transportation and material moving occupations	6	7

Source: *Economic Modeling Specialists, Inc.*

Occupational Education Requirements

The trend for occupational growth shows that there will be growth in jobs across skill levels. Based on employment projections, Dorchester County is expected to see growth in requirements for the following specific levels of education and experience:

- Postsecondary vocational award
- Associate's degree
- Degree plus work experience



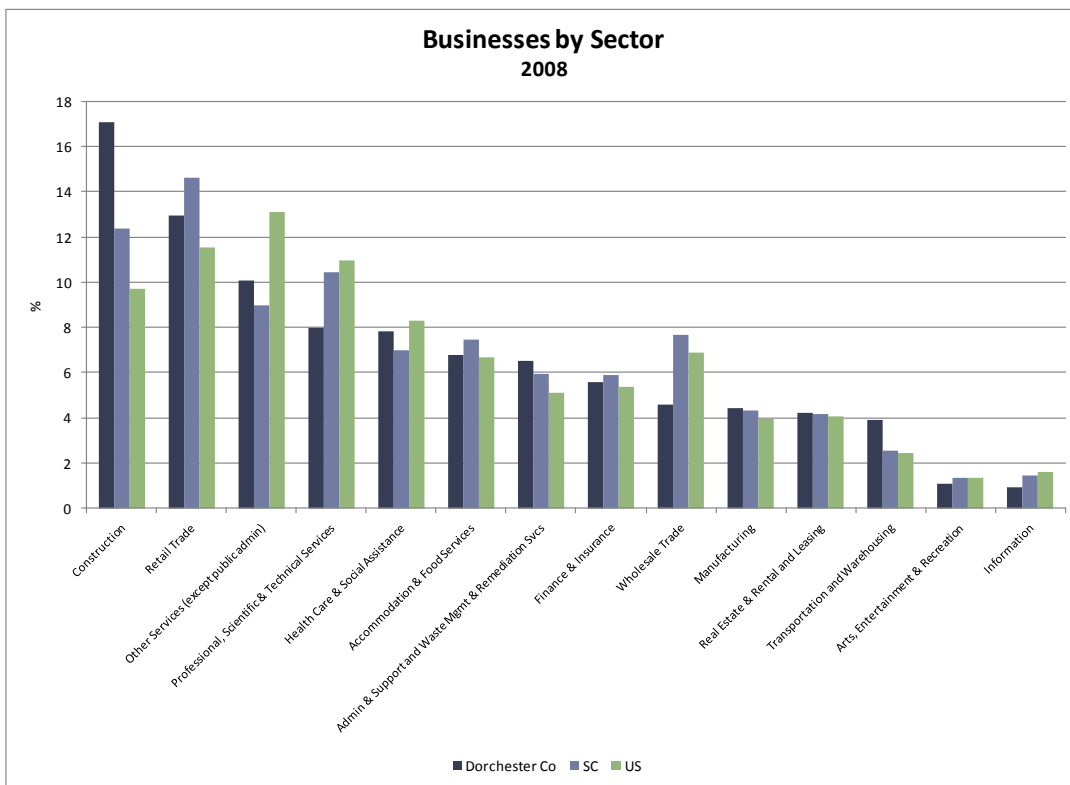
Source: *Economic Modeling Specialists, Inc*

INDUSTRY

Businesses by Sector

Dorchester County had higher percentages of businesses than South Carolina and the nation in the following sectors:

- Construction
- Administration and support and waste management and remediation services
- Manufacturing
- Real estate and rental and leasing
- Transportation and warehousing



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Growth in Number of Businesses

The number of private businesses in Dorchester County rose by 9% from 2002 to 2007, compared to a 3% drop for the state. For industry definitions, this analysis uses the North American Industry Classification System (NAICS), the U.S. standard for industry classification.

At the three-digit NAICS code level, Dorchester County had higher growth in 17 industries compared to South Carolina and the U.S. Below is a list of those 17 industries along with their respective growth rates.

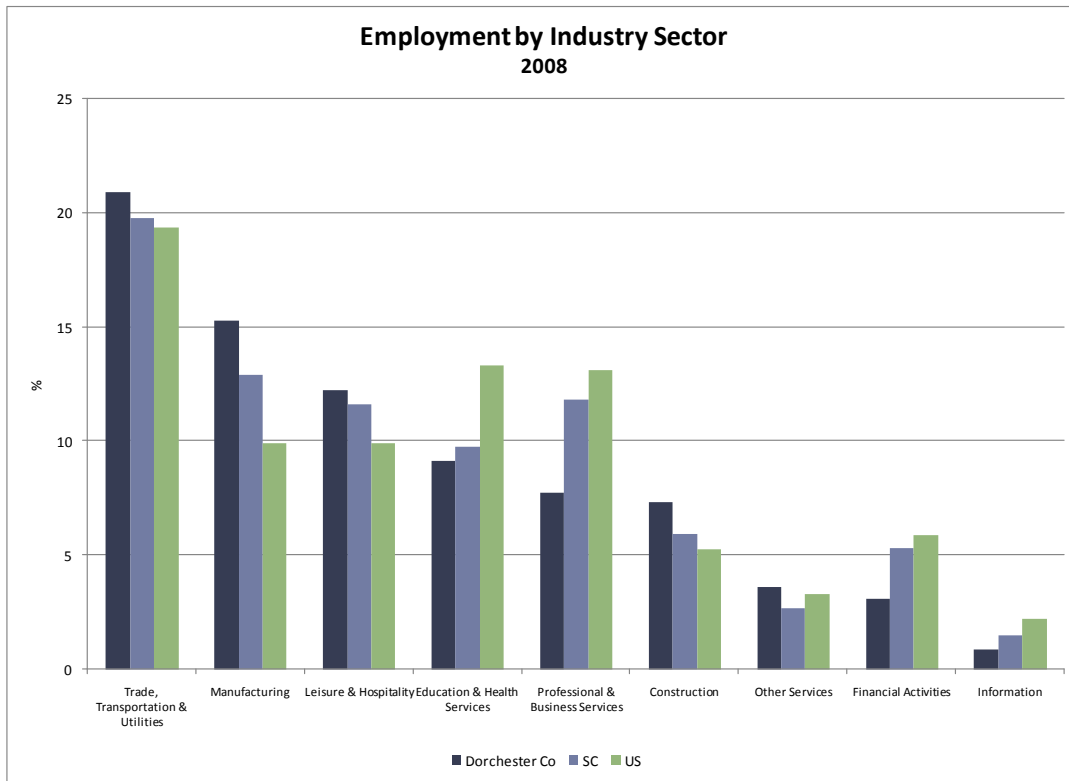
See **Appendix B** for information on all industries.

Industry	2003-2008 Growth (%)		
	Dorchester Co.	SC	US
Construction of Buildings	25.8	6.4	12.3
Heavy and Civil Engineering Construction	20.0	4.2	-0.5
Plastics and Rubber Products Manufacturing	100.0	6.8	-7.9
Nonmetallic Mineral Product Manufacturing	100.0	14.1	4.1
Fabricated Metal Product Manufacturing	14.3	0.6	-0.9
Merchant Wholesalers, Durable Goods	10.0	-5.9	-3.6
Merchant Wholesalers, Nondurable Goods	11.8	-11.3	-3.4
Building Material and Garden Equipment and Supplies Dealers	3.3	-5.4	1.2
Health and Personal Care Stores	54.5	16.3	19.9
Gasoline Stations	5.1	-0.3	-2.2
Clothing and Clothing Accessories Stores	25.0	-1.9	5.8
Nonstore Retailers	28.6	-16.2	13.9
Credit Intermediation and Related Activities	41.1	6.5	16.6
Real Estate	45.6	22.1	18.2
Rental and Leasing Services	16.7	-8.8	1.3
Waste Management and Remediation Services	62.5	12.3	15.6
Ambulatory Health Care Services	21.2	10.2	12.4

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Employment by Sector

Dorchester County has a larger than average share of its jobs in trade, transportation and utilities; manufacturing; leisure and hospitality; and construction.



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Industry Analysis

Screening Criteria

Industry sectors were rated on six factors:

- 2003-2008 employment growth
- 2003-2008 employment growth rate
- Location quotient²
- Competitive effect¹
- Average annual wage
- Projected growth

Using those factors, sectors were awarded “stars” based on meeting the following criteria:

- 2003-2008 employment growth of 75 or more (Did the sector add a significant number of jobs?)
- 2003-2008 employment growth rate greater than 6% (overall county job growth over the period (Did the sector add jobs at an above-average rate?)
- Location quotient of at least 1.25 (Does the sector have a significant concentration in the county?)
- Competitive effect greater than 0 (Did the sector add jobs beyond national growth overall and in the sector?)
- Average annual wage greater than \$31,408 (2008 average for the county) (Does the sector pay wages greater than average for the county?)
- Average or above average projected growth (Is the sector expected to add jobs?)

Industries of Note

Based on these criteria, the following are “six star” sectors in Dorchester County:

- Paper manufacturing
- Waste management and remediation services

Industry sectors that generate wealth from outside the area are referred to as the region’s base economy. Base economy sectors are important to an area’s economic well-being. These sectors fit the base economy criteria for Dorchester County.

“Five star” sectors for Dorchester County are:

- Construction of buildings (below-average growth projected)
- Nonmetallic mineral product manufacturing (below-average growth projected)
- Merchant wholesalers, durable goods (location quotient below 1.25)
- Health and personal care stores (below-average wage)
- Credit intermediation and related activities (location quotient below 1.25)
- Ambulatory health care services (location quotient below 1.25)
- Food services and drinking places (below-average wage)

Manufacturing and wholesaling fit the base economy criteria.

Other sectors which fit this base economy criteria, have above-average wages, have a relatively high concentration in the area (as indicated by the location quotient), and are projected to grow are heavy and civil engineering construction and truck transportation.

Appendix C has information on all factors for all sectors for Dorchester County.

¹ *Competitive Effect: based on shift-share analysis; represents the change in employment in the sector in the county after accounting for overall US employment growth and growth/decline in the sector in the US.*

² *Location Quotient: percentage of employment in the sector in the county divided by the percentage of employment in that sector in the US; gives an indication of how concentrated employment in the sector is in the county compared to the US; based on 2008 data.*

MOVING FORWARD

The South Carolina Department of Commerce appreciates the opportunity to provide this base analysis of Beaufort County's labor market. We hope that it will help in advancing the progress of Dorchester County's economic development.

What's been done so far?

This analysis identifies the region's assets—both current and future—at a macro level. Labor Market Information (LMI) at the S.C. Department of Commerce developed a Base Labor Analysis report providing an overview of the region's population, industries, occupations, and educational assets. Additionally, these findings were benchmarked against the state and the nation.

What's next?

Because local knowledge is required to interpret and apply the findings appropriately, the Dorchester Base Labor Analysis should be used with local stakeholders to identify and define key, targeted industry clusters. Some items to consider when defining these clusters may include the following.

1. *What is Dorchester's economic base?*

In order for an economy to grow, it must have a base (export) sector that generates wealth from beyond its borders. Industries in the economic base (manufacturing, scientific and technology services, warehouse and distribution, financial services, regional healthcare, etc.) typically provide occupations with higher pay and benefits as well as better human capital development and promotion opportunities. A successful economic base stimulates the development of the non-base sector (housing, schools, retail, restaurants, personal services, etc.). It also propels the local tax base which, in turn, provides support to community services.

2. *What are strategies to assist low-wage citizens in non-base economy jobs?*

Although the economic base is the driver for long-term growth in a region, implementable strategies for developing job opportunities for low-skilled individuals is a priority for community economic well-being. This need must also be kept in mind when defining target industry clusters.

3. *What other factors are vital to Dorchester and its community?*

Over and above pure economic considerations, what is important to the citizens of the Dorchester community? How does Dorchester want to be perceived? What quality of life issues affect Dorchester? These questions may impact the types of industries desired for the area.

How Labor Market Information at the S.C. Department of Commerce can help.

Once local stakeholders have identified key industry clusters vital to the future economic development of the region, LMI can provide more in-depth analysis of each of these industries, their occupations, business establishments, and educational requirements.

1. Detailed Industry Analysis

For each identified industry, LMI can develop a detailed analysis of each sector, including employment, projected growth, staffing patterns, location quotients, and employers. Additionally, the analysis will examine the largest, fastest growing, and declining sectors within the industry cluster.

2. Detailed Occupational Analysis

At this point, the occupations—classified by SOC codes—that make up each of the identified industry clusters can be analyzed in detail. This analysis will include employment, average earnings, educational requirements, projected growth, and completers from available local training programs. It will culminate in identifying gaps between the number of occupations required to sustain and advance industry growth and the number of skilled workers (as identified by educational requirements and program completers) available to fulfill these positions.

3. Identification of Implementable Recommendations

LMI will utilize the findings of the analyses to develop a set of implementable recommendations. These may include recommendations to align community college programs with economic development goals along with others. Finally, local knowledge will once again be called upon to review the findings and develop an action plan for the implementation of feasible solutions.

Appendix A: Occupational Projections for Dorchester County

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-1011	Chief executives	185	184	-1	-1	0.79	40.20	Degree plus work experience
11-1021	General and operations managers	389	411	22	6	1.07	31.13	Degree plus work experience
11-1031	Legislators	36	38	2	6	2.76	8.33	Degree plus work experience
11-2021	Marketing managers	21	22	1	5	0.50	28.47	Degree plus work experience
11-2022	Sales managers	64	70	6	9	0.85	35.76	Degree plus work experience
11-2031	Public relations managers	16	19	3	19	1.27	26.80	Degree plus work experience
11-3011	Administrative services managers	38	43	5	13	0.72	24.78	Degree plus work experience
11-3021	Computer and information systems managers	30	33	3	10	0.48	33.13	Degree plus work experience
11-3031	Financial managers	95	104	9	9	0.71	26.52	Degree plus work experience
11-3051	Industrial production managers	54	51	-3	-6	1.78	35.19	Work experience in a related field

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-3061	Purchasing managers	12	12	0	0	0.87	37.65	Degree plus work experience
11-3071	Transportation, storage, and distribution managers	13	15	2	15	0.61	27.79	Work experience in a related field
11-9011	Farm, ranch, and other agricultural managers	74	73	-1	-1	0.67	10.48	Degree plus work experience
11-9012	Farmers and ranchers	293	282	-11	-4	0.84	6.55	Long-term on-the-job training
11-9021	Construction managers	149	160	11	7	1.02	20.12	Bachelor's degree
11-9031	Education administrators, preschool and child care center/program	19	25	6	32	0.94	12.77	Degree plus work experience
11-9032	Education administrators, elementary and secondary school	77	83	6	8	1.45	39.80	Degree plus work experience
11-9033	Education administrators, postsecondary	10	12	2	20	0.36	19.75	Degree plus work experience
11-9041	Engineering managers	24	23	-1	-4	0.65	39.61	Degree plus work experience
11-9051	Food service managers	85	97	12	14	0.92	14.48	Work experience in a related field
11-9081	Lodging managers	17	23	6	35	0.60	10.14	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-9111	Medical and health services managers	55	65	10	18	0.82	25.58	Degree plus work experience
11-9141	Property, real estate, and community association managers	126	165	39	31	0.51	8.76	Bachelor's degree
11-9151	Social and community service managers	24	28	4	17	0.70	16.49	Bachelor's degree
11-9199	Managers, all other	124	116	-8	-6	0.37	8.52	Work experience in a related field
13-1022	Wholesale and retail buyers, except farm products	32	34	2	6	0.96	19.75	Work experience in a related field
13-1023	Purchasing agents, except wholesale, retail, and farm products	50	50	0	0	0.83	20.29	Work experience in a related field
13-1041	Compliance officers, except agriculture, construction, health and safety, and transportation	27	30	3	11	0.54	13.47	Long-term on-the-job training
13-1051	Cost estimators	79	97	18	23	1.72	19.95	Work experience in a related field
13-1071	Employment, recruitment, and placement specialists	14	15	1	7	0.32	14.55	Bachelor's degree
13-1072	Compensation, benefits, and job analysis specialists	14	16	2	14	0.53	15.38	Bachelor's degree
13-1073	Training and development specialists	27	31	4	15	0.58	17.50	Bachelor's degree
13-1079	Human resources, training, and labor relations specialists, all other	17	19	2	12	0.33	19.30	Bachelor's degree
13-1081	Logisticians	26	29	3	12	1.26	26.79	Bachelor's degree

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
13-1111	Management analysts	85	86	1	1	0.41	18.80	Degree plus work experience
13-1121	Meeting and convention planners	11	13	2	18	0.72	11.11	Bachelor's degree
13-1199	Business operation specialists, all other	50	59	9	18	0.23	18.76	Bachelor's degree
13-2011	Accountants and auditors	236	256	20	8	0.73	20.10	Bachelor's degree
13-2021	Appraisers and assessors of real estate	53	67	14	26	0.61	9.50	Postsecondary vocational award
13-2041	Credit analysts	13	13	0	0	0.90	23.52	Bachelor's degree
13-2051	Financial analysts	18	21	3	17	0.22	11.70	Bachelor's degree
13-2052	Personal financial advisors	50	59	9	18	0.34	9.88	Bachelor's degree
13-2072	Loan officers	44	50	6	14	0.65	21.52	Bachelor's degree
13-2082	Tax preparers	30	27	-3	-10	1.30	13.21	Moderate-term on-the-job training
15-1021	Computer programmers	67	66	-1	-1	0.71	17.73	Bachelor's degree
15-1031	Computer software engineers, applications	17	21	4	24	0.16	23.97	Bachelor's degree
15-1032	Computer software engineers, systems software	35	39	4	11	0.40	21.88	Bachelor's degree
15-1041	Computer support specialists	58	65	7	12	0.49	13.70	Associate's degree
15-1051	Computer systems analysts	47	56	9	19	0.43	20.32	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
15-1061	Database administrators	18	21	3	17	0.69	18.03	Bachelor's degree
15-1071	Network and computer systems administrators	42	50	8	19	0.58	17.83	Bachelor's degree
15-1081	Network systems and data communications analysts	35	44	9	26	0.53	20.77	Bachelor's degree
15-1099	Computer specialists, all other	16	18	2	13	0.35	27.22	Associate's degree
17-1012	Landscape architects	11	10	-1	-9	0.89	15.00	Bachelor's degree
17-2051	Civil engineers	24	21	-3	-13	0.39	20.96	Bachelor's degree
17-2061	Computer hardware engineers	12	12	0	0	0.75	27.75	Bachelor's degree
17-2071	Electrical engineers	17	13	-4	-24	0.54	32.88	Bachelor's degree
17-2072	Electronics engineers, except computer	29	25	-4	-14	0.99	36.69	Bachelor's degree
17-2112	Industrial engineers	92	104	12	13	2.20	31.29	Bachelor's degree
17-2141	Mechanical engineers	46	47	1	2	0.99	33.61	Bachelor's degree
17-3023	Electrical and electronic engineering technicians	48	42	-6	-13	1.46	25.67	Associate's degree
17-3026	Industrial engineering technicians	34	37	3	9	2.46	22.89	Associate's degree
19-3021	Market research analysts	13	14	1	8	0.24	18.60	Bachelor's degree
19-3031	Clinical, counseling, and school psychologists	20	20	0	0	0.53	21.33	Doctoral degree
19-4051	Nuclear technicians	26	25	-1	-4	13.18	20.57	Associate's degree
21-1011	Substance abuse and behavioral disorder counselors	19	26	7	37	0.92	17.42	Master's degree

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
21-1012	Educational, vocational, and school counselors	53	59	6	11	0.92	17.58	Master's degree
21-1014	Mental health counselors	11	13	2	18	0.39	10.65	Master's degree
21-1015	Rehabilitation counselors	48	55	7	15	1.69	10.30	Master's degree
21-1021	Child, family, and school social workers	63	72	9	14	0.97	11.68	Bachelor's degree
21-1022	Medical and public health social workers	34	41	7	21	1.09	14.50	Bachelor's degree
21-1023	Mental health and substance abuse social workers	23	31	8	35	0.71	10.95	Master's degree
21-1029	Social workers, all other	44	50	6	14	2.47	10.77	Bachelor's degree
21-1093	Social and human service assistants	107	134	27	25	1.37	6.98	Moderate-term on-the-job training
21-1099	Community and social service specialists, all other	15	18	3	20	0.59	8.85	Bachelor's degree
21-2011	Clergy	88	94	6	7	1.58	6.77	Master's degree
21-2021	Directors, religious activities and education	42	45	3	7	1.62	6.70	Bachelor's degree
21-2099	Religious workers, all other	19	21	2	11	1.55	6.60	Bachelor's degree
23-1011	Lawyers	69	78	9	13	0.40	24.49	First professional degree
23-2011	Paralegals and legal assistants	47	55	8	17	0.86	13.01	Associate's degree
25-1099	Postsecondary teachers	128	159	31	24	0.35	26.35	Doctoral degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
25-2011	Preschool teachers, except special education	137	179	42	31	1.18	8.40	Postsecondary vocational award
25-2012	Kindergarten teachers, except special education	71	81	10	14	1.66	26.72	Bachelor's degree
25-2021	Elementary school teachers, except special education	585	653	68	12	1.72	24.20	Bachelor's degree
25-2022	Middle school teachers, except special and vocational education	267	294	27	10	1.83	23.87	Bachelor's degree
25-2023	Vocational education teachers, middle school	26	26	0	0	2.85	21.19	Degree plus work experience
25-2031	Secondary school teachers, except special and vocational education	379	403	24	6	1.64	26.26	Bachelor's degree
25-2032	Vocational education teachers, secondary school	24	24	0	0	1.06	25.53	Degree plus work experience
25-2041	Special education teachers, preschool, kindergarten, and elementary school	48	55	7	15	0.97	25.37	Bachelor's degree
25-2042	Special education teachers, middle school	23	27	4	17	1.06	23.93	Bachelor's degree
25-2043	Special education teachers, secondary school	46	50	4	9	1.46	21.78	Bachelor's degree
25-3011	Adult literacy, remedial education, and GED teachers and instructors	18	21	3	17	0.55	11.19	Bachelor's degree
25-3021	Self-enrichment education teachers	69	85	16	23	1.13	9.62	Work experience in a related field
25-3099	Teachers and instructors, all other	67	76	9	13	0.48	12.83	Bachelor's degree
25-4021	Librarians	47	51	4	9	1.37	17.95	Master's degree

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
25-4031	Library technicians	46	51	5	11	1.82	10.23	Postsecondary vocational award
25-9031	Instructional coordinators	28	35	7	25	1.00	18.22	Master's degree
25-9041	Teacher assistants	366	411	45	12	1.23	10.51	Short-term on-the-job training
27-1021	Commercial and industrial designers	10	12	2	20	0.67	15.67	Bachelor's degree
27-1023	Floral designers	33	33	0	0	1.71	9.16	Moderate-term on-the-job training
27-1024	Graphic designers	36	44	8	22	0.69	12.65	Bachelor's degree
27-1025	Interior designers	24	34	10	42	1.24	11.91	Associate's degree
27-2012	Producers and directors	19	24	5	26	0.72	15.74	Degree plus work experience
27-2022	Coaches and scouts	24	29	5	21	0.54	18.23	Long-term on-the-job training
27-2041	Music directors and composers	22	23	1	5	0.60	6.57	Degree plus work experience
27-2042	Musicians and singers	48	53	5	10	0.93	6.56	Long-term on-the-job training
27-3031	Public relations specialists	33	38	5	15	0.54	13.77	Bachelor's degree
27-3043	Writers and authors	19	19	0	0	0.27	6.82	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
27-4021	Photographers	47	27	-20	-43	0.31	8.56	Long-term on-the-job training
29-1011	Chiropractors	24	42	18	75	1.94	33.85	First professional degree
29-1021	Dentists, general	36	42	6	17	1.78	68.56	First professional degree
29-1031	Dietitians and nutritionists	12	14	2	17	0.80	16.34	Bachelor's degree
29-1051	Pharmacists	125	167	42	34	2.24	42.05	First professional degree
29-1069	Physicians and surgeons	72	77	5	7	0.41	54.54	First professional degree
29-1111	Registered nurses	522	636	114	22	0.97	20.42	Associate's degree
29-1122	Occupational therapists	17	18	1	6	0.75	21.96	Master's degree
29-1123	Physical therapists	33	32	-1	-3	0.79	25.75	Master's degree
29-1126	Respiratory therapists	24	26	2	8	1.12	19.76	Associate's degree
29-1127	Speech-language pathologists	17	17	0	0	0.57	22.15	Master's degree
29-1131	Veterinarians	17	20	3	18	1.11	27.08	First professional degree
29-2011	Medical and clinical laboratory technologists	20	21	1	5	0.58	18.21	Bachelor's degree
29-2012	Medical and clinical laboratory technicians	17	19	2	12	0.52	11.74	Associate's degree

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
29-2021	Dental hygienists	81	111	30	37	2.20	24.07	Associate's degree
29-2034	Radiologic technologists and technicians	22	25	3	14	0.50	16.51	Associate's degree
29-2041	Emergency medical technicians and paramedics	18	18	0	0	0.42	14.79	Postsecondary vocational award
29-2052	Pharmacy technicians	74	92	18	24	1.08	8.47	Moderate-term on-the-job training
29-2056	Veterinary technologists and technicians	32	38	6	19	1.90	11.18	Associate's degree
29-2061	Licensed practical and licensed vocational nurses	94	105	11	12	0.61	13.23	Postsecondary vocational award
29-2071	Medical records and health information technicians	13	16	3	23	0.38	8.42	Associate's degree
29-2081	Opticians, dispensing	14	20	6	43	0.92	7.17	Long-term on-the-job training
29-2099	Healthcare technologists and technicians, all other	12	13	1	8	0.67	9.18	Postsecondary vocational award
31-1011	Home health aides	239	341	102	43	1.15	8.05	Short-term on-the-job training
31-1012	Nursing aides, orderlies, and attendants	237	267	30	13	0.76	8.95	Postsecondary vocational award
31-1013	Psychiatric aides	12	14	2	17	0.42	7.07	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
31-9011	Massage therapists	14	16	2	14	0.67	13.66	Postsecondary vocational award
31-9091	Dental assistants	106	146	40	38	1.71	14.16	Moderate-term on-the-job training
31-9092	Medical assistants	136	192	56	41	1.32	7.66	Moderate-term on-the-job training
31-9095	Pharmacy aides	15	17	2	13	1.16	8.93	Short-term on-the-job training
31-9096	Veterinary assistants and laboratory animal caretakers	26	27	1	4	1.49	7.06	Short-term on-the-job training
31-9099	Healthcare support workers, all other	18	20	2	11	0.43	8.57	Short-term on-the-job training
33-1012	First-line supervisors/managers of police and detectives	12	14	2	17	0.66	23.17	Work experience in a related field
33-1021	First-line supervisors/managers of fire fighting and prevention workers	15	16	1	7	1.27	20.20	Work experience in a related field
33-1099	First-line supervisors/managers, protective service workers, all other	11	12	1	9	0.90	16.83	Work experience in a related field
33-2011	Fire fighters	163	183	20	12	2.67	11.81	Long-term on-the-job training
33-3012	Correctional officers and jailers	46	53	7	15	0.54	10.76	Moderate-term on-the-job training

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
33-3051	Police and sheriff's patrol officers	225	253	28	12	1.73	15.35	Long-term on-the-job training
33-9021	Private detectives and investigators	10	13	3	30	0.74	8.82	Work experience in a related field
33-9032	Security guards	217	222	5	2	0.99	9.94	Short-term on-the-job training
33-9092	Lifeguards, ski patrol, and other recreational protective service workers	51	60	9	18	2.05	7.18	Short-term on-the-job training
33-9099	Protective service workers, all other	15	17	2	13	0.78	8.61	Short-term on-the-job training
35-1011	Chefs and head cooks	23	27	4	17	0.92	12.79	Work experience in a related field
35-1012	First-line supervisors/managers of food preparation and serving workers	305	357	52	17	1.67	11.24	Work experience in a related field
35-2011	Cooks, fast food	268	307	39	15	2.30	6.84	Short-term on-the-job training
35-2012	Cooks, institution and cafeteria	105	121	16	15	1.25	7.58	Moderate-term on-the-job training
35-2014	Cooks, restaurant	189	232	43	23	1.01	8.49	Long-term on-the-job training
35-2015	Cooks, short order	90	104	14	16	2.40	7.10	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
35-2021	Food preparation workers	287	344	57	20	1.54	6.55	Short-term on-the-job training
35-3011	Bartenders	115	144	29	25	1.07	6.55	Short-term on-the-job training
35-3021	Combined food preparation and serving workers, including fast food	819	989	170	21	1.46	6.55	Short-term on-the-job training
35-3022	Counter attendants, cafeteria, food concession, and coffee shop	222	250	28	13	2.06	6.55	Short-term on-the-job training
35-3031	Waiters and waitresses	537	661	124	23	1.10	6.55	Short-term on-the-job training
35-3041	Food servers, nonrestaurant	17	21	4	24	0.45	7.56	Short-term on-the-job training
35-9011	Dining room and cafeteria attendants and bartender helpers	67	81	14	21	0.78	6.55	Short-term on-the-job training
35-9021	Dishwashers	119	144	25	21	1.10	6.55	Short-term on-the-job training
35-9031	Hosts and hostesses, restaurant, lounge, and coffee shop	90	110	20	22	1.24	6.55	Short-term on-the-job training
37-1011	First-line supervisors/managers of housekeeping and janitorial workers	68	69	1	1	0.83	10.96	Work experience in a related field
37-1012	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	54	61	7	13	1.77	16.15	Work experience in a related field

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	528	560	32	6	1.14	7.97	Short-term on-the-job training
37-2012	Maids and housekeeping cleaners	311	333	22	7	0.71	6.55	Short-term on-the-job training
37-2019	Building cleaning workers, all other	55	56	1	2	0.48	6.58	Short-term on-the-job training
37-2021	Pest control workers	50	56	6	12	2.60	13.13	Moderate-term on-the-job training
37-3011	Landscaping and groundskeeping workers	396	457	61	15	1.87	8.89	Short-term on-the-job training
37-3012	Pesticide handlers, sprayers, and applicators, vegetation	24	26	2	8	1.05	12.24	Moderate-term on-the-job training
37-3013	Tree trimmers and pruners	17	18	1	6	0.70	8.77	Short-term on-the-job training
37-3019	Grounds maintenance workers, all other	14	15	1	7	0.68	6.69	Short-term on-the-job training
39-1021	First-line supervisors/managers of personal service workers	57	64	7	12	1.18	12.59	Work experience in a related field
39-2021	Nonfarm animal caretakers	60	62	2	3	0.80	7.20	Short-term on-the-job training
39-3012	Gaming and sports book writers and runners	20	25	5	25	3.09	6.76	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
39-3021	Motion picture projectionists	20	17	-3	-15	7.84	6.55	Short-term on-the-job training
39-3031	Ushers, lobby attendants, and ticket takers	27	27	0	0	1.27	6.55	Short-term on-the-job training
39-3091	Amusement and recreation attendants	149	149	0	0	2.83	6.55	Short-term on-the-job training
39-5012	Hairdressers, hairstylists, and cosmetologists	155	153	-2	-1	1.36	10.18	Postsecondary vocational award
39-5092	Manicurists and pedicurists	36	39	3	8	2.62	8.10	Postsecondary vocational award
39-6021	Tour guides and escorts	56	80	24	43	6.26	7.16	Moderate-term on-the-job training
39-9011	Child care workers	405	507	102	25	1.03	7.16	Short-term on-the-job training
39-9021	Personal and home care aides	187	241	54	29	0.98	6.55	Short-term on-the-job training
39-9031	Fitness trainers and aerobics instructors	56	59	3	5	0.96	11.93	Postsecondary vocational award
39-9032	Recreation workers	83	96	13	16	1.14	7.69	Short-term on-the-job training
39-9041	Residential advisors	18	22	4	22	1.51	8.44	Moderate-term on-the-job training

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
41-1011	First-line supervisors/managers of retail sales workers	482	481	-1	0	1.06	12.80	Work experience in a related field
41-1012	First-line supervisors/managers of non-retail sales workers	93	97	4	4	0.50	19.38	Work experience in a related field
41-2011	Cashiers, except gaming	1,335	1,415	80	6	1.84	6.58	Short-term on-the-job training
41-2021	Counter and rental clerks	87	107	20	23	0.94	8.53	Short-term on-the-job training
41-2022	Parts salespersons	38	34	-4	-11	0.87	14.75	Moderate-term on-the-job training
41-2031	Retail salespersons	1,067	1,141	74	7	1.06	8.53	Short-term on-the-job training
41-3021	Insurance sales agents	163	169	6	4	1.11	11.93	Bachelor's degree
41-3031	Securities, commodities, and financial services sales agents	44	52	8	18	0.34	10.54	Bachelor's degree
41-3041	Travel agents	55	46	-9	-16	2.37	9.13	Postsecondary vocational award
41-3099	Sales representatives, services, all other	78	92	14	18	0.50	12.82	Moderate-term on-the-job training
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products	52	60	8	15	0.49	22.90	Moderate-term on-the-job training
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	245	298	53	22	0.76	18.55	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
41-9011	Demonstrators and product promoters	28	29	1	4	1.10	6.55	Moderate-term on-the-job training
41-9021	Real estate brokers	197	257	60	30	0.53	8.17	Work experience in a related field
41-9022	Real estate sales agents	203	264	61	30	0.52	8.52	Postsecondary vocational award
41-9091	Door-to-door sales workers, news and street vendors, and related workers	96	55	-41	-43	0.46	6.55	Short-term on-the-job training
41-9099	Sales and related workers, all other	42	45	3	7	0.65	7.10	Moderate-term on-the-job training
43-1011	First-line supervisors/managers of office and administrative support workers	308	333	25	8	0.97	15.57	Work experience in a related field
43-2011	Switchboard operators, including answering service	45	43	-2	-4	1.42	8.12	Short-term on-the-job training
43-3011	Bill and account collectors	100	116	16	16	1.18	10.78	Short-term on-the-job training
43-3021	Billing and posting clerks and machine operators	90	97	7	8	0.84	11.02	Moderate-term on-the-job training
43-3031	Bookkeeping, accounting, and auditing clerks	388	434	46	12	0.85	11.60	Moderate-term on-the-job training
43-3051	Payroll and timekeeping clerks	50	51	1	2	1.22	14.08	Moderate-term on-the-job training

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-3061	Procurement clerks	16	17	1	6	1.01	9.78	Short-term on-the-job training
43-3071	Tellers	121	147	26	21	0.94	9.34	Short-term on-the-job training
43-4031	Court, municipal, and license clerks	21	23	2	10	0.86	11.89	Short-term on-the-job training
43-4041	Credit authorizers, checkers, and clerks	11	11	0	0	0.88	13.70	Short-term on-the-job training
43-4051	Customer service representatives	294	361	67	23	0.62	11.00	Moderate-term on-the-job training
43-4071	File clerks	40	29	-11	-28	0.90	6.55	Short-term on-the-job training
43-4081	Hotel, motel, and resort desk clerks	16	14	-2	-13	0.35	6.77	Short-term on-the-job training
43-4111	Interviewers, except eligibility and loan	44	48	4	9	0.84	10.39	Short-term on-the-job training
43-4121	Library assistants, clerical	22	25	3	14	0.89	7.51	Short-term on-the-job training
43-4131	Loan interviewers and clerks	25	27	2	8	0.57	11.54	Short-term on-the-job training
43-4141	New accounts clerks	13	13	0	0	0.77	10.74	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-4151	Order clerks	21	18	-3	-14	0.43	9.67	Short-term on-the-job training
43-4161	Human resources assistants, except payroll and timekeeping	30	32	2	7	0.85	11.42	Short-term on-the-job training
43-4171	Receptionists and information clerks	227	267	40	18	0.95	8.33	Short-term on-the-job training
43-4181	Reservation and transportation ticket agents and travel clerks	45	53	8	18	1.33	9.86	Short-term on-the-job training
43-4199	Information and record clerks, all other	14	13	-1	-7	0.32	9.11	Short-term on-the-job training
43-5011	Cargo and freight agents	23	30	7	30	1.31	13.88	Moderate-term on-the-job training
43-5021	Couriers and messengers	29	28	-1	-3	0.50	6.95	Short-term on-the-job training
43-5031	Police, fire, and ambulance dispatchers	33	37	4	12	1.62	12.74	Moderate-term on-the-job training
43-5032	Dispatchers, except police, fire, and ambulance	61	68	7	11	1.58	18.85	Moderate-term on-the-job training
43-5051	Postal service clerks	19	20	1	5	1.23	24.19	Short-term on-the-job training
43-5052	Postal service mail carriers	102	104	2	2	1.46	20.46	Short-term on-the-job training

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-5053	Postal service mail sorters, processors, and processing machine operators	33	32	-1	-3	0.90	22.50	Short-term on-the-job training
43-5061	Production, planning, and expediting clerks	50	51	1	2	0.87	17.98	Short-term on-the-job training
43-5071	Shipping, receiving, and traffic clerks	175	187	12	7	1.16	11.72	Short-term on-the-job training
43-5081	Stock clerks and order fillers	530	517	-13	-2	1.39	8.15	Short-term on-the-job training
43-5111	Weighers, measurers, checkers, and samplers, recordkeeping	19	17	-2	-11	1.27	13.81	Short-term on-the-job training
43-6011	Executive secretaries and administrative assistants	175	195	20	11	0.51	13.60	Moderate-term on-the-job training
43-6012	Legal secretaries	40	43	3	8	0.55	10.00	Postsecondary vocational award
43-6013	Medical secretaries	97	117	20	21	0.84	10.13	Postsecondary vocational award
43-6014	Secretaries, except legal, medical, and executive	432	451	19	4	1.00	10.91	Moderate-term on-the-job training
43-9011	Computer operators	15	13	-2	-13	0.68	13.21	Moderate-term on-the-job training
43-9021	Data entry keyers	37	36	-1	-3	0.59	9.73	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-9031	Desktop publishers	10	11	1	10	0.83	9.53	Postsecondary vocational award
43-9041	Insurance claims and policy processing clerks	28	28	0	0	0.54	11.26	Moderate-term on-the-job training
43-9051	Mail clerks and mail machine operators, except postal service	12	11	-1	-8	0.39	8.58	Short-term on-the-job training
43-9061	Office clerks, general	587	663	76	13	0.93	9.19	Short-term on-the-job training
43-9199	Office and administrative support workers, all other	11	11	0	0	0.18	10.16	Short-term on-the-job training
45-2092	Farmworkers and laborers, crop, nursery, and greenhouse	54	52	-2	-4	0.37	11.07	Short-term on-the-job training
45-4022	Logging equipment operators	42	18	-24	-57	5.41	16.38	Moderate-term on-the-job training
47-1011	First-line supervisors/managers of construction trades and extraction workers	298	338	40	13	1.45	18.74	Work experience in a related field
47-2021	Brickmasons and blockmasons	24	28	4	17	0.89	13.19	Long-term on-the-job training
47-2031	Carpenters	389	442	53	14	1.26	12.34	Long-term on-the-job training
47-2044	Tile and marble setters	18	22	4	22	1.19	14.16	Long-term on-the-job training

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-2051	Cement masons and concrete finishers	67	73	6	9	1.66	13.93	Moderate-term on-the-job training
47-2061	Construction laborers	387	447	60	16	1.39	10.93	Moderate-term on-the-job training
47-2071	Paving, surfacing, and tamping equipment operators	12	15	3	25	0.98	12.67	Moderate-term on-the-job training
47-2073	Operating engineers and other construction equipment operators	82	94	12	15	0.96	14.56	Moderate-term on-the-job training
47-2081	Drywall and ceiling tile installers	14	16	2	14	0.46	15.40	Moderate-term on-the-job training
47-2111	Electricians	219	212	-7	-3	1.52	15.48	Long-term on-the-job training
47-2121	Glaziers	18	21	3	17	1.57	10.36	Long-term on-the-job training
47-2141	Painters, construction and maintenance	168	172	4	2	1.59	12.36	Moderate-term on-the-job training
47-2151	Pipelayers	55	62	7	13	2.59	11.97	Moderate-term on-the-job training
47-2152	Plumbers, pipefitters, and steamfitters	181	216	35	19	1.90	14.70	Long-term on-the-job training
47-2211	Sheet metal workers	56	64	8	14	1.69	13.01	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-3011	Helpers, brickmasons, blockmasons, stonemasons, and tile and marble setters	14	18	4	29	1.34	9.05	Short-term on-the-job training
47-3012	Helpers, carpenters	42	52	10	24	2.65	9.59	Short-term on-the-job training
47-3013	Helpers, electricians	64	58	-6	-9	3.21	9.39	Short-term on-the-job training
47-3015	Helpers, pipelayers, plumbers, pipefitters, and steamfitters	81	102	21	26	5.16	11.02	Short-term on-the-job training
47-4011	Construction and building inspectors	13	14	1	8	0.52	13.33	Work experience in a related field
47-4041	Hazardous materials removal workers	49	68	19	39	5.48	20.27	Moderate-term on-the-job training
47-4061	Rail-track laying and maintenance equipment operators	11	13	2	18	3.44	24.13	Moderate-term on-the-job training
47-4071	Septic tank servicers and sewer pipe cleaners	27	36	9	33	4.52	15.93	Moderate-term on-the-job training
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	151	168	17	11	1.66	22.51	Work experience in a related field
49-2011	Computer, automated teller, and office machine repairers	24	27	3	13	0.71	11.35	Postsecondary vocational award
49-2022	Telecommunications equipment installers and repairers, except line installers	22	22	0	0	0.52	19.37	Long-term on-the-job training

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-2094	Electrical and electronics repairers, commercial and industrial equipment	13	14	1	8	0.87	14.91	Postsecondary vocational award
49-3011	Aircraft mechanics and service technicians	18	22	4	22	0.74	12.41	Postsecondary vocational award
49-3021	Automotive body and related repairers	49	53	4	8	1.36	15.07	Long-term on-the-job training
49-3023	Automotive service technicians and mechanics	196	219	23	12	1.17	13.64	Postsecondary vocational award
49-3031	Bus and truck mechanics and diesel engine specialists	89	102	13	15	1.58	18.26	Postsecondary vocational award
49-3042	Mobile heavy equipment mechanics, except engines	51	67	16	31	1.91	17.41	Postsecondary vocational award
49-3093	Tire repairers and changers	28	23	-5	-18	1.42	9.10	Short-term on-the-job training
49-9021	Heating, air conditioning, and refrigeration mechanics and installers	132	157	25	19	2.03	15.22	Long-term on-the-job training
49-9041	Industrial machinery mechanics	170	196	26	15	2.98	17.85	Long-term on-the-job training
49-9042	Maintenance and repair workers, general	414	458	44	11	1.47	14.01	Moderate-term on-the-job training
49-9051	Electrical power-line installers and repairers	41	56	15	37	1.76	16.75	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-9052	Telecommunications line installers and repairers	16	19	3	19	0.44	15.23	Long-term on-the-job training
49-9062	Medical equipment repairers	15	19	4	27	1.68	10.10	Associate's degree
49-9094	Locksmiths and safe repairers	13	16	3	23	1.48	10.14	Moderate-term on-the-job training
49-9098	Helpers--Installation, maintenance, and repair workers	55	64	9	16	1.83	9.14	Short-term on-the-job training
49-9099	Installation, maintenance, and repair workers, all other	18	20	2	11	0.56	13.34	Moderate-term on-the-job training
51-1011	First-line supervisors/managers of production and operating workers	220	215	-5	-2	1.64	23.22	Work experience in a related field
51-2022	Electrical and electronic equipment assemblers	29	22	-7	-24	0.72	15.65	Short-term on-the-job training
51-2023	Electromechanical equipment assemblers	10	10	0	0	0.83	17.27	Short-term on-the-job training
51-2031	Engine and other machine assemblers	11	12	1	9	1.49	13.53	Short-term on-the-job training
51-2041	Structural metal fabricators and fitters	54	47	-7	-13	2.47	14.77	Moderate-term on-the-job training
51-2091	Fiberglass laminators and fabricators	27	19	-8	-30	3.60	9.59	Moderate-term on-the-job training

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-2092	Team assemblers	625	595	-30	-5	2.95	13.95	Moderate-term on-the-job training
51-2099	Assemblers and fabricators, all other	34	24	-10	-29	0.60	13.63	Moderate-term on-the-job training
51-3011	Bakers	33	37	4	12	1.08	7.62	Long-term on-the-job training
51-3021	Butchers and meat cutters	32	32	0	0	1.19	9.80	Long-term on-the-job training
51-3022	Meat, poultry, and fish cutters and trimmers	44	48	4	9	1.35	9.30	Short-term on-the-job training
51-3023	Slaughterers and meat packers	38	41	3	8	1.91	6.74	Moderate-term on-the-job training
51-4011	Computer-controlled machine tool operators, metal and plastic	121	137	16	13	4.51	16.02	Moderate-term on-the-job training
51-4022	Forging machine setters, operators, and tenders, metal and plastic	25	23	-2	-8	4.65	14.41	Moderate-term on-the-job training
51-4031	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	73	71	-2	-3	1.65	13.57	Moderate-term on-the-job training
51-4032	Drilling and boring machine tool setters, operators, and tenders, metal and plastic	24	24	0	0	3.70	15.16	Moderate-term on-the-job training
51-4033	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	11	12	1	9	0.65	17.71	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-4034	Lathe and turning machine tool setters, operators, and tenders, metal and plastic	16	15	-1	-6	1.44	16.54	Moderate-term on-the-job training
51-4035	Milling and planing machine setters, operators, and tenders, metal and plastic	18	18	0	0	3.44	11.87	Moderate-term on-the-job training
51-4041	Machinists	154	165	11	7	1.93	15.35	Long-term on-the-job training
51-4051	Metal-refining furnace operators and tenders	14	14	0	0	3.48	13.79	Moderate-term on-the-job training
51-4052	Pourers and casters, metal	14	15	1	7	4.51	13.89	Moderate-term on-the-job training
51-4072	Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	48	48	0	0	1.76	15.49	Moderate-term on-the-job training
51-4081	Multiple machine tool setters, operators, and tenders, metal and plastic	17	20	3	18	1.03	14.11	Moderate-term on-the-job training
51-4111	Tool and die makers	45	57	12	27	2.78	14.88	Long-term on-the-job training
51-4121	Welders, cutters, solderers, and brazers	111	112	1	1	1.37	14.64	Long-term on-the-job training
51-4122	Welding, soldering, and brazing machine setters, operators, and tenders	23	26	3	13	1.55	14.78	Moderate-term on-the-job training
51-4191	Heat treating equipment setters, operators, and tenders, metal and plastic	15	15	0	0	3.14	14.28	Moderate-term on-the-job training

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-5023	Printing machine operators	13	15	2	15	0.33	10.86	Moderate-term on-the-job training
51-6011	Laundry and dry-cleaning workers	37	41	4	11	0.67	6.55	Moderate-term on-the-job training
51-6021	Pressers, textile, garment, and related materials	17	19	2	12	1.24	6.55	Short-term on-the-job training
51-6031	Sewing machine operators	61	41	-20	-33	1.49	10.62	Moderate-term on-the-job training
51-6063	Textile knitting and weaving machine setters, operators, and tenders	36	13	-23	-64	5.91	12.14	Long-term on-the-job training
51-8013	Power plant operators	17	21	4	24	2.21	16.44	Long-term on-the-job training
51-8031	Water and liquid waste treatment plant and system operators	45	51	6	13	1.95	15.88	Long-term on-the-job training
51-9021	Crushing, grinding, and polishing machine setters, operators, and tenders	14	14	0	0	1.66	11.15	Moderate-term on-the-job training
51-9023	Mixing and blending machine setters, operators, and tenders	16	15	-1	-6	0.57	15.43	Moderate-term on-the-job training
51-9032	Cutting and slicing machine setters, operators, and tenders	16	20	4	25	1.08	11.26	Moderate-term on-the-job training
51-9041	Extruding, forming, pressing, and compacting machine setters, operators, and tenders	82	78	-4	-5	5.16	16.06	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-9051	Furnace, kiln, oven, drier, and kettle operators and tenders	15	17	2	13	3.23	15.41	Moderate-term on-the-job training
51-9061	Inspectors, testers, sorters, samplers, and weighers	194	182	-12	-6	2.10	15.54	Moderate-term on-the-job training
51-9111	Packaging and filling machine operators and tenders	27	25	-2	-7	0.40	12.85	Short-term on-the-job training
51-9121	Coating, painting, and spraying machine setters, operators, and tenders	29	27	-2	-7	1.43	12.56	Moderate-term on-the-job training
51-9122	Painters, transportation equipment	20	16	-4	-20	1.87	16.56	Long-term on-the-job training
51-9123	Painting, coating, and decorating workers	11	12	1	9	1.51	9.85	Short-term on-the-job training
51-9132	Photographic processing machine operators	17	12	-5	-29	1.51	8.00	Short-term on-the-job training
51-9195	Molders, shapers, and casters, except metal and plastic	33	30	-3	-9	3.49	14.50	Moderate-term on-the-job training
51-9196	Paper goods machine setters, operators, and tenders	45	60	15	33	2.21	10.45	Moderate-term on-the-job training
51-9197	Tire builders	36	27	-9	-25	8.26	9.85	Moderate-term on-the-job training
51-9198	Helpers--Production workers	127	123	-4	-3	1.37	10.06	Short-term on-the-job training

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-9199	Production workers, all other	44	48	4	9	0.85	14.42	Moderate-term on-the-job training
53-1021	First-line supervisors/managers of helpers, laborers, and material movers, hand	41	46	5	12	1.08	18.39	Work experience in a related field
53-1031	First-line supervisors/managers of transportation and material-moving machine and vehicle operators	54	62	8	15	1.21	24.58	Work experience in a related field
53-2012	Commercial pilots	11	12	1	9	1.33	23.30	Postsecondary vocational award
53-3022	Bus drivers, school	90	98	8	9	0.92	10.23	Short-term on-the-job training
53-3031	Driver/sales workers	93	84	-9	-10	0.77	9.21	Short-term on-the-job training
53-3032	Truck drivers, heavy and tractor-trailer	547	608	61	11	1.45	19.39	Moderate-term on-the-job training
53-3033	Truck drivers, light or delivery services	285	310	25	9	1.24	10.30	Short-term on-the-job training
53-3041	Taxi drivers and chauffeurs	28	32	4	14	0.41	7.67	Short-term on-the-job training
53-4019	Locomotive engineers and operators	41	49	8	20	4.26	19.67	Moderate-term on-the-job training
53-4021	Railroad brake, signal, and switch operators	13	14	1	8	2.93	16.30	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
53-4031	Railroad conductors and yardmasters	36	45	9	25	5.77	20.42	Moderate-term on-the-job training
53-6031	Service station attendants	11	13	2	18	0.67	7.55	Short-term on-the-job training
53-7021	Crane and tower operators	22	24	2	9	2.49	17.36	Long-term on-the-job training
53-7032	Excavating and loading machine and dragline operators	26	31	5	19	1.83	13.46	Moderate-term on-the-job training
53-7051	Industrial truck and tractor operators	222	226	4	2	1.83	14.80	Short-term on-the-job training
53-7061	Cleaners of vehicles and equipment	67	69	2	3	0.95	7.87	Short-term on-the-job training
53-7062	Laborers and freight, stock, and material movers, hand	470	498	28	6	1.01	9.98	Short-term on-the-job training
53-7063	Machine feeders and offbearers	21	18	-3	-14	0.82	9.71	Short-term on-the-job training
53-7064	Packers and packagers, hand	166	153	-13	-8	1.09	8.02	Short-term on-the-job training
53-7081	Refuse and recyclable material collectors	97	88	-9	-9	3.14	10.63	Short-term on-the-job training
53-7199	Material moving workers, all other	72	67	-5	-7	9.30	29.15	Moderate-term on-the-job training
		35,835	39,376	3,541	10%		\$13.36	

SOC Code	Description	2009 Jobs	2016 Jobs	Change	% Change	Location Quotient	2009 Median Hourly Earnings (\$)	Typical Education & Experience Level
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at least
1.25

greater than \$13.36

Source: EMSI

Appendix B: Businesses by 3-Digit NAICS Codes

Dorchester County									
Industry	NAICS Code	2003	2008	Average Size	Change			SC % change	US % change
					#	%			
Crop Production	111	8	4	23	-4	-50.0	-11.3	-6.8	
Forestry and Logging	113	18	12	6	-6	-33.3	-21.9	-14.7	
Mining (except Oil and Gas)	212	4	3	8	-1	-25.0	4.3	1.7	
Utilities	221	3	3	18	0	0.0	4.0	0.5	
Construction of Buildings	236	89	112	5	23	25.8	6.4	12.3	
Heavy and Civil Engineering Construction	237	20	24	13	4	20.0	4.2	-0.5	
Specialty Trade Contractors	238	229	254	6	25	10.9	-3.0	11.1	
Food Manufacturing	311	6	5	8	-1	-16.7	-6.0	-2.1	
Textile Product Mills	314	7	7	14	0	0.0	2.6	-1.5	
Wood Product Manufacturing	321	9	6	13	-3	-33.3	2.2	-5.3	
Paper Manufacturing	322	3	3	66	0	0.0	15.1	-5.7	
Printing and Related Support Activities	323	8	6	5	-2	-25.0	-9.1	-11.7	
Plastics and Rubber Products Manufacturing	326	3	6	9	3	100.0	6.8	-7.9	
Nonmetallic Mineral Product Manufacturing	327	7	14	41	7	100.0	14.1	4.1	
Fabricated Metal Product Manufacturing	332	14	16	17	2	14.3	0.6	-0.9	
Furniture and Related Product Manufacturing	337	6	5	4	-1	-16.7	-5.5	-6.0	
Miscellaneous Manufacturing	339	11	8	8	-3	-27.3	18.4	-0.4	
Merchant Wholesalers, Durable Goods	423	50	55	13	5	10.0	-5.9	-3.6	
Merchant Wholesalers, Nondurable Goods	424	17	19	5	2	11.8	-11.3	-3.4	
Wholesale Electronic Markets and Agents and Brokers	425	18	32	3	14	77.8	80.4	30.9	
Motor Vehicle and Parts Dealers	441	48	46	10	-2	-4.2	-7.7	1.6	
Furniture and Home Furnishings Stores	442	17	13	5	-4	-23.5	-8.7	0.1	
Electronics and Appliance Stores	443	14	12	10	-2	-14.3	-15.0	-1.0	
Building Material and Garden Equipment and Supplies Dealers	444	30	31	16	1	3.3	-5.4	1.2	
Food and Beverage Stores	445	33	28	38	-5	-15.2	-9.7	-0.1	
Health and Personal Care Stores	446	22	34	9	12	54.5	16.3	19.9	
Gasoline Stations	447	39	41	9	2	5.1	-0.3	-2.2	
Clothing and Clothing Accessories Stores	448	20	25	5	5	25.0	-1.9	5.8	
Sporting Goods, Hobby, Book, and Music Stores	451	16	11	9	-5	-31.3	-7.0	-6.7	
General Merchandise Stores	452	21	23	59	2	9.5	18.1	13.0	
Miscellaneous Store Retailers	453	36	25	7	-11	-30.6	-19.8	-9.2	
Nonstore Retailers	454	7	9	5	2	28.6	-16.2	13.9	

Dorchester County									
Industry	NAICS Code	2003	2008	Average Size	Change			SC % change	US % change
					#	%			
Truck Transportation	484	54	55	6	1	1.9	-1.6	5.2	
Support Activities for Transportation	488	16	17	6	1	6.3	3.4	9.9	
Warehousing and Storage	493	5	5	14	0	0.0	3.1	18.7	
Publishing Industries (except Internet)	511	6	3	10	-3	-50.0	14.9	1.8	
Telecommunications	517	9	10	10	1	11.1	41.8	9.6	
Credit Intermediation and Related Activities	522	56	79	6	23	41.1	6.5	16.6	
Insurance Carriers and Related Activities	524	37	38	5	1	2.7	4.3	5.0	
Real Estate	531	57	83	3	26	45.6	22.1	18.2	
Rental and Leasing Services	532	12	14	7	2	16.7	-8.8	1.3	
Administrative and Support Services	561	132	136	8	4	3.0	10.6	13.9	
Waste Management and Remediation Services	562	8	13	16	5	62.5	12.3	15.6	
Educational Services	611	14	17	18	3	21.4	26.4	23.3	
Ambulatory Health Care Services	621	104	126	8	22	21.2	10.2	12.4	
Nursing and Residential Care Facilities	623	14	13	76	-1	-7.1	0.0	9.4	
growth rate exceeds both SC and US growth rates									

Source: Bureau of Labor Statistics

Appendix C: Dorchester County Employment by Industry Sector

Industry	NAICS code	Employment		2003-2008 Change		Location Quotient	Competitive Effect	2008 Average Annual Wage (\$)	Projected Growth
		2003	2008	#	%				
Total		28,723	30,591	1,868	6.5			31,408	6%

<i>6 star sectors</i>									
Industry	NAICS code	Employment		2003-2008 Change		Location Quotient	Competitive Effect	2008 Average Annual Wage (\$)	Projected Growth
		2003	2008	#	%				
Paper Manufacturing	322	65	197	132	203	1.97	141	54,340	AA
Waste Management and Remediation Services	562	91	211	120	132	2.37	109	42,588	AA

<i>5 star sectors</i>									
Industry	NAICS code	Employment		2003-2008 Change		Location Quotient	Competitive Effect	2008 Average Annual Wage (\$)	Projected Growth
		2003	2008	#	%				
Construction of Buildings	236	399	512	113	28	1.67	94	42,380	BA
Nonmetallic Mineral Product Manufacturing	327	453	575	122	27	5.22	151	51,064	BA
Merchant Wholesalers, Durable Goods	423	417	698	281	67	0.88	262	42,276	A
Health and Personal Care Stores	446	186	320	134	72	1.45	120	28,912	A
Credit Intermediation and Related Activities	522	342	446	104	30	0.71	112	37,700	A
Ambulatory Health Care Services	621	756	1,021	265	35	0.75	130	37,180	AA
Food Services and Drinking Places	722	2,371	3,030	659	28	1.46	388	11,856	A

<i>4 star sectors</i>		Employment		2003-2008 Change		Location Quotient	Competitive Effect	2008 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2003	2008	#	%				
Merchant Wholesalers, Nondurable Goods	424	96	104	8	8	0.17	6	38,376	AA
Wholesale Electronic Markets and Agents and Brokers	425	68	100	32	47	0.29	13	53,508	AA
Electronics and Appliance Stores	443	36	119	83	231	0.71	80	31,252	AA
Gasoline Stations	447	336	386	50	15	2.02	64	17,212	A
General Merchandise Stores	452	1,145	1,351	206	18	2.08	113	18,980	BA
Warehousing and Storage	493	52	70	18	35	0.25	3	32,344	AA
Insurance Carriers and Related Activities	524	132	173	41	31	0.34	40	36,868	A
Real Estate	531	165	219	54	33	0.68	43	31,460	A
Management of Companies and Enterprises	551	126	215	89	71	--	71	50,128	BA
Educational Services	611	202	305	103	51	0.51	68	23,296	AA
Amusement, Gambling, and Recreation Industries	713	288	415	127	44	1.30	101	12,168	BA
Repair and Maintenance	811	385	427	42	11	1.37	44	30,992	A
Religious, Grantmaking, Civic, Professional, and Similar Organizations	813	147	240	93	63	0.70	85	13,208	AA

<i>3 star or fewer sectors</i>		Employment		2003-2008 Change		Location Quotient	Competitive Effect	2008 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2003	2008	#	%				
Motor Vehicle and Parts Dealers	441	500	453	-47	-9	1.09	-33	33,488	D
Sporting Goods, Hobby, Book, and Music Stores	451	41	100	59	144	0.59	60	16,796	AA
Support Activities for Transportation	488	76	106	30	39	0.57	19	24,440	AA
Telecommunications	517	97	98	1	1	0.44	6	48,880	A
Rental and Leasing Services	532	69	101	32	46	0.69	35	26,208	A
Private Households	814	23	63	40	174	0.40	35	11,960	A
Forestry and Logging	113	188	68	-120	-64	4.75	-91	44,876	D
Utilities	221	59	55	-4	-7	0.44	-2	66,508	AA

<i>3 star or fewer sectors</i>		Employment		2003-2008 Change		Location Quotient	Competitive Effect	2008 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2003	2008	#	%				
Heavy and Civil Engineering Construction	237	373	300	-73	-20	1.58	-102	41,808	BA
Specialty Trade Contractors	238	1,414	1,424	10	1	1.64	-93	31,928	BA
Food Manufacturing	311	102	39	-63	-62	0.10	-60	32,396	AA
Printing and Related Support Activities	323	21	31	10	48	0.22	13	27,976	D
Plastics and Rubber Products Manufacturing	326	57	52	-5	-9	0.19	1	42,224	D
Furniture and Related Product Manufacturing	337	53	22	-31	-58	0.17	-23	38,376	A
Miscellaneous Manufacturing	339	69	60	-9	-13	0.33	-5	32,604	A
Furniture and Home Furnishings Stores	442	59	65	6	10	0.66	8	18,408	D
Building Material and Garden Equipment and Supplies Dealers	444	479	492	13	3	1.75	-10	23,140	A
Food and Beverage Stores	445	1,015	1,076	61	6	1.69	52	17,940	BA
Truck Transportation	484	623	354	-269	-43	1.74	-303	43,420	BA
Nursing and Residential Care Facilities	623	1,338	986	-352	-26	1.56	-465	23,660	A
Mining (except Oil and Gas)	212	72	25	-47	-65	0.84	-55	36,088	D
Textile Product Mills	314	123	95	-28	-23	4.29	-4	28,912	D
Fabricated Metal Product Manufacturing	332	420	259	-161	-38	0.74	-177	43,732	D
Miscellaneous Store Retailers	453	176	175	-1	-1	0.88	17	18,512	D
Professional, Scientific, and Technical Services	541	1,058	818	-240	-23	--	-427	44,356	BA
Personal and Laundry Services	812	415	379	-36	-9	1.37	-56	18,356	D
Wood Product Manufacturing	321	205	75	-130	-63	0.77	-99	27,872	D
Clothing and Clothing Accessories Stores	448	276	118	-158	-57	0.40	-192	14,092	D
Nonstore Retailers	454	50	41	-9	-18	0.35	-10	24,596	D
Administrative and Support Services	561	1,396	1,131	-265	-19	0.69	-342	23,452	BA
Accommodation	721	219	171	-48	-22	0.43	-59	11,700	BA

Methodology and Sourcing

Projected Growth Grading Scale:

AA=above average

A=average

BA=below average

D=decline

Sectors are rated on 6 factors: 2003-2008 employment growth, 2003-2008 employment growth rate, location quotient, competitive effect, average annual wage, and projected growth.

Stars are based on: 2003-2008 employment growth of 75 or more, 2003-2008 employment growth rate greater than 6.5% (overall county job growth rate), location quotient of at least 1.25, competitive effect greater than 0, average annual wage greater than \$31,408 (2008 average for all jobs in the county), and average or above average projected growth.

Location Quotient: percentage of employment in the sector in the county divided by the percentage of employment in that sector in the US; gives an indication of how concentrated employment in the sector is in the county; based on 2008 data.

Competitive Effect: based on shift-share analysis; represents the change in employment in the sector in the county after accounting for overall US employment growth and growth/decline in the sector in the US.

Source: Bureau of Labor Statistics; projections based on data from EMSI and SC Department of Commerce.



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