

Greenville County
Healthcare Industry
Analysis



South Carolina
Department of
Commerce



August 2008

TABLE OF CONTENTS

INTRODUCTION	5
METHODOLOGY	5
PRIMARY OCCUPATIONS	7
SKILLS AND EDUCATION	8
Reading Comprehension	8
Writing	8
Speaking	9
Mathematics	9
Education	10
LIVING WAGE	11
OCCUPATIONS WITH SIGNIFICANT OPPORTUNITIES	12
EMPLOYERS	13
Employers with 100 or More Employees	14
Appendix: Profiled Occupations	

INTRODUCTION

The South Carolina Department of Commerce Research Division appreciates the opportunity to assist Greenville County decision makers with additional information as follow-up to the Base Labor Market Analysis.

The healthcare sector was one of five sectors selected for additional study. The healthcare sector in Greenville County had 14,157 jobs in 2007. Approximately 6 percent of Greenville County's 237,000 jobs were in the healthcare sector. All types of healthcare; including hospitals, ambulatory health care services, and residential care facilities; are covered at this level.

This report provides the following information for the healthcare sector:

- Primary occupations used in the sector
- Skills and education needed for those occupations
- Earnings for those occupations including those that pay a living wage
- Projected growth and/or turnover for those occupations
- Major employers in the sector

METHODOLOGY

To define the healthcare sector, the two-digit NAICS code for the healthcare industry (62) was used to develop employer lists, determine employment numbers in Greenville County, and to view occupational staffing patterns.


To estimate employment by occupation for healthcare in Greenville County, statewide occupational staffing patterns for that sector were applied to Greenville County healthcare industry employment estimates (staffing patterns are not available for counties). Industry employment estimates came from the Bureau of Labor Statistics' Quarterly Census of Employment and Wages. Staffing pattern data shows the percentage of jobs by occupation for an industry.

Occupational skills and education data were obtained from the national O*Net database. For the skills noted in this analysis, O*Net data ranking the level of the skill needed for each job was used. O*Net data is for occupations nationwide; it is not state or county specific.

For this analysis, the following skills were rated for each occupation:

- Reading Comprehension
- Writing
- Speaking
- Mathematics

To measure adequacy of wages, living wage models were explored. Several models were available utilizing reliable national data from sources such as the U.S. Census, U.S. Department of Commerce Bureau of Economic Analysis, U.S. Department of Labor Bureau of Labor Statistics, U.S. Department



of Agriculture, U.S. Department of Housing and Urban Development, and the Children's Defense Fund.

The model utilized for this analysis was developed by Pennsylvania State University using the sources listed above. The model provided data up to 2004 by area. That data was adjusted for inflation using the 2008 Consumer Price Index for All Urban Consumers. Based on this data, a family consisting of one adult and one child would need an annual salary of \$31,477, or an hourly wage of \$15.13, as a living wage in Greenville County. The hourly wage was determined by dividing the annual salary by 2,080 hours.

To determine whether there were significant employment opportunities for the occupations examined, both growth prospects and turnover were identified.

Occupations with projected growth of 100 or more from 2006-2016 in Greenville County were categorized as high-growth jobs. The source for this data came from Economic Modeling Specialists Inc (EMSI). Occupations for which 70 percent or more of their annual job openings were due to replacement needs (based on statewide data) were identified as high-turnover jobs. For all jobs in South Carolina, turnover accounts for 59 percent of annual openings. South Carolina Department of Commerce 2006-2016 projections data was the source for turnover.

PRIMARY OCCUPATIONS

For this analysis, the following characteristics were determined for occupations with 100 or more employees in Greenville County’s healthcare sector:

- 2007 employment,
- Median wage (for Greenville County),
- Skills and education typically needed to perform the job,
- The determination whether the occupation has a living wage for Greenville County, and
- The probability that the job will experience growth and/or high turnover.

For the healthcare sector, 35 occupations have 100 or more employees. Below are the 10 occupations with the highest employment in the sector in Greenville County. A list of all occupations with employment of at least 100 along with their characteristics can be found in the appendix.

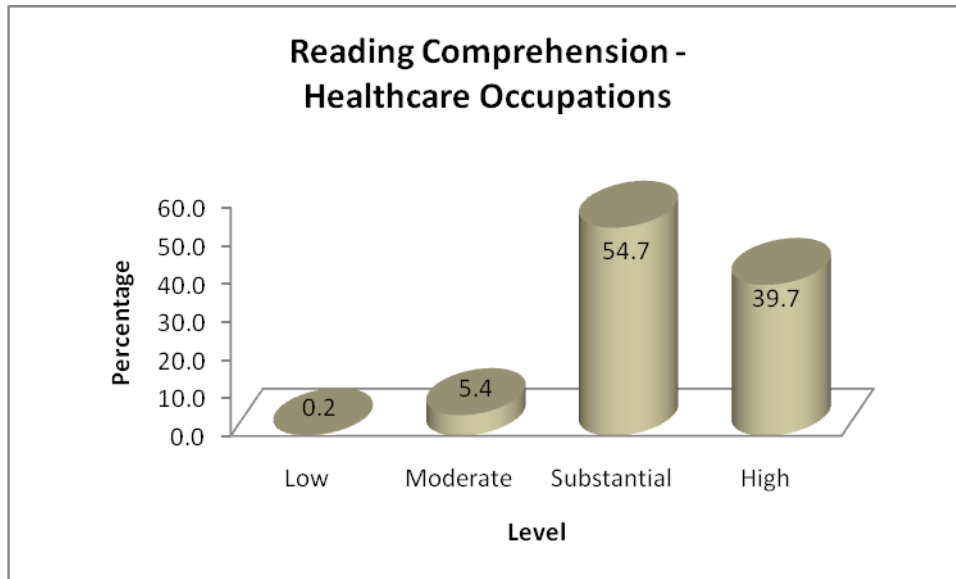
Occupation	Median Wage	Estimated Employment
Registered Nurses	\$30.11	2,289
Nursing Aides, Orderlies and Attendants	\$10.15	1368
Licensed Practical and Licensed Vocational Nurses	\$21.12	736
Home Health Aides	\$9.03	512
Medical Assistants	\$13.64	492
Medical Secretaries	\$15.84	423
Receptionists and Information Clerks	\$11.27	343
General Office Clerks	\$11.88	276
Dental Assistants	\$13.85	256
Personal and Home Care Aides	\$9.95	251

Source: EMSI, SC Department of Commerce.

SKILLS AND EDUCATION

Reading Comprehension

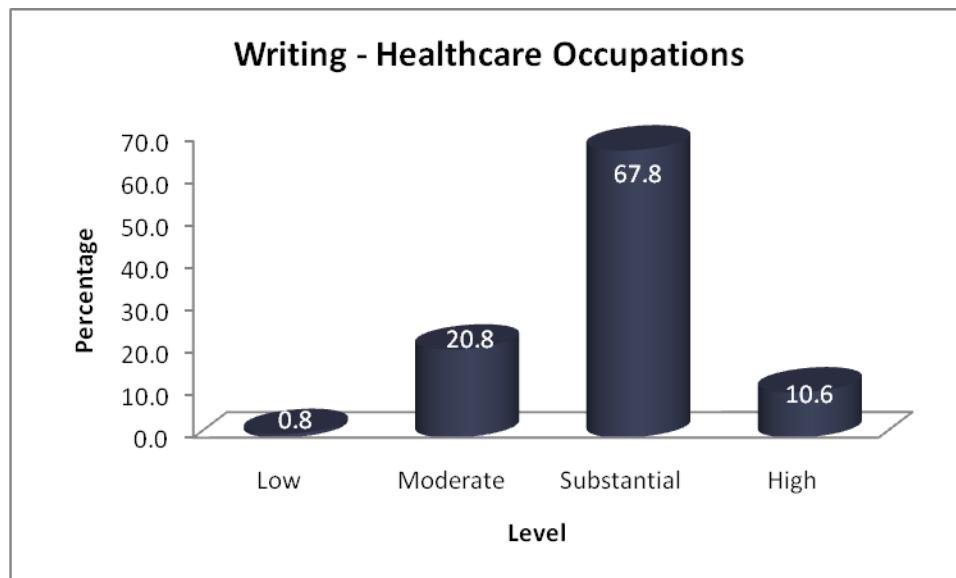
Over half of Greenville's healthcare jobs require a substantial level of reading comprehension.



Source: SC Department of Commerce, US Department of Labor (O*Net).

Writing

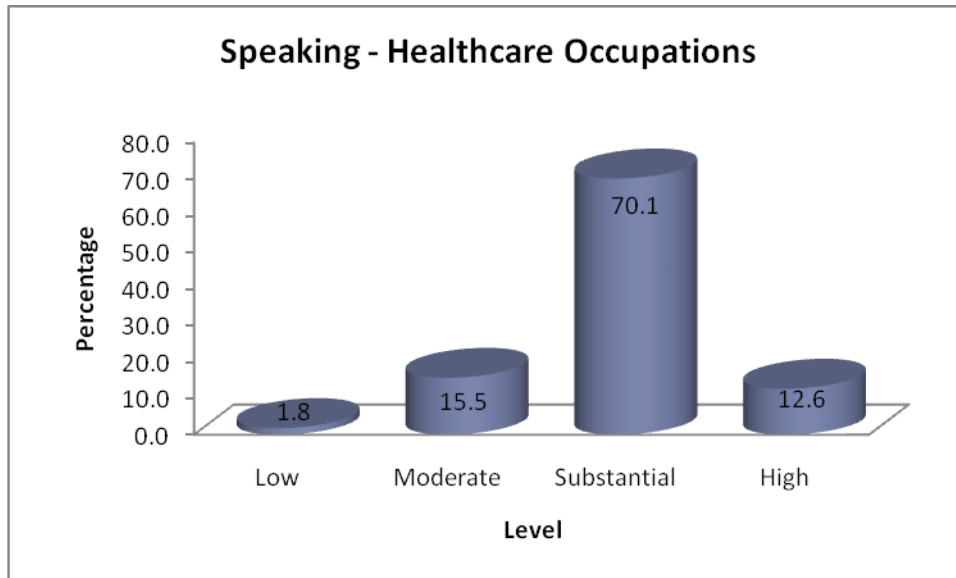
Greenville's healthcare jobs also require a substantial level of writing skills.



Source: SC Department of Commerce, US Department of Labor (O*Net).

Speaking

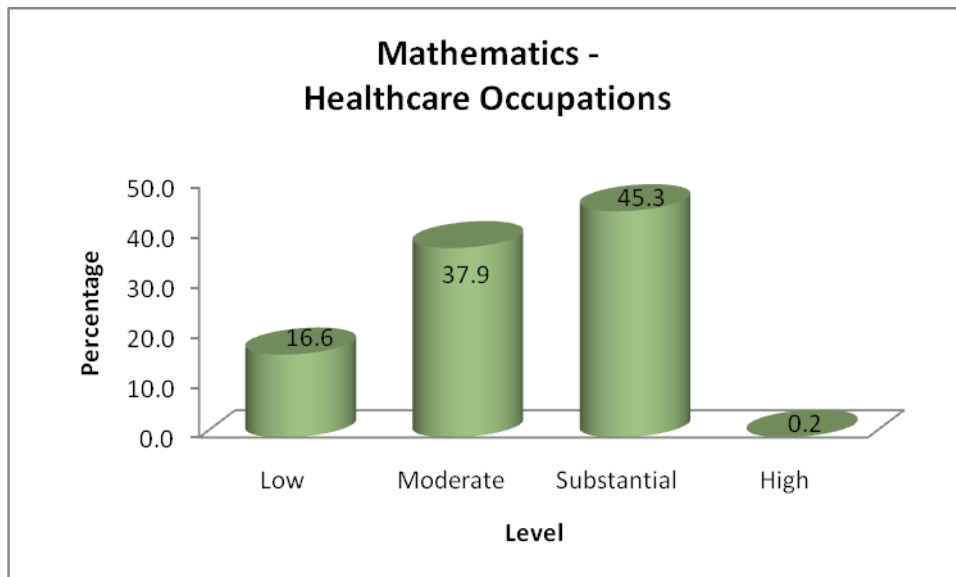
A substantial amount of speaking ability is needed for Greenville's healthcare jobs.



Source: SC Department of Commerce, US Department of Labor (O*Net).

Mathematics

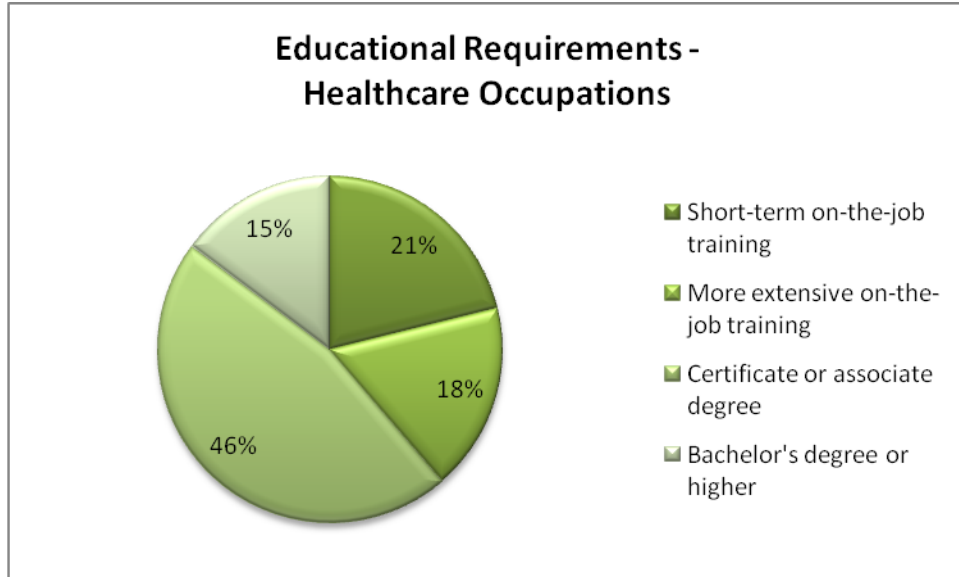
Moderate or substantial levels of mathematics are needed for Greenville's healthcare jobs.



Source: SC Department of Commerce, US Department of Labor (O*Net).

Education

The majority of occupations in the healthcare sector require a certificate or associate degree. However, 21 percent only require short-term training, giving a good number of people the opportunity to enter the industry.



Source: SC Department of Commerce, US Department of Labor (O*Net).

LIVING WAGE JOBS

Within the 35 profiled occupations, the following occupations meet or exceed the living wage described in “Methodology” on page 5.

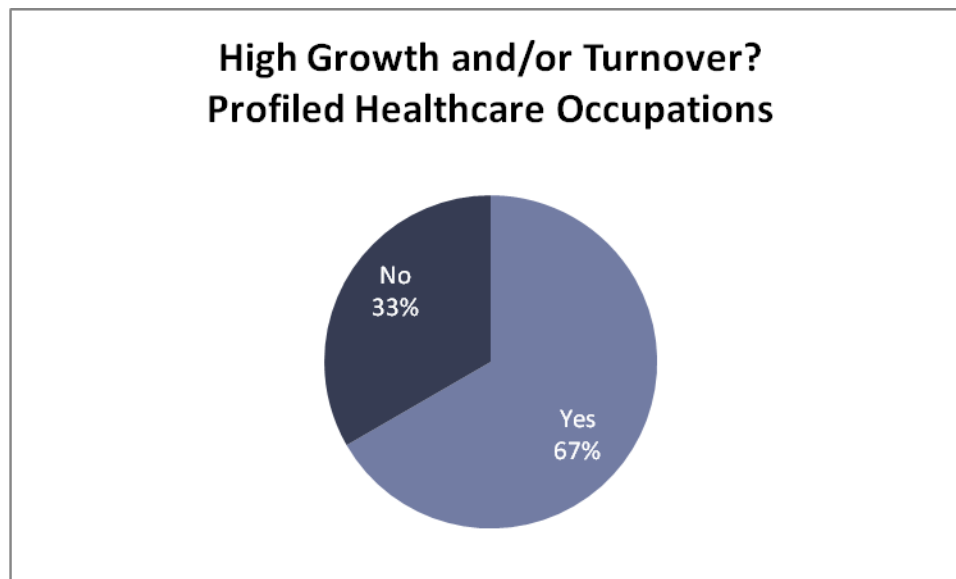
Occupation	Median Wage
Physicians and Surgeons (other)	\$106.09
General and Operations Managers	\$35.92
Physical Therapists	\$34.18
Medical and Health Services Managers	\$32.47
Respiratory Therapists	\$31.49
Registered Nurses	\$30.11
Dental Hygienists	\$24.73
Radiologic Technologists and Technicians	\$23.47
Medical and Clinical Laboratory Technologists	\$21.83
Medical and Public Health Social Workers	\$21.21
Licensed Practical and Licensed Vocational Nurses	\$21.12
Supervisors/Managers of Office and Administrative Support Workers	\$20.14
Executive Secretaries and Administrative Assistants	\$17.60
Surgical Technologists	\$16.57
Medical Secretaries	\$15.84
Emergency Medical Technicians and Paramedics	\$15.42
Bookkeeping, Accounting and Auditing Clerks	\$15.37

Source: EMSI.

OCCUPATIONS WITH SIGNIFICANT OPPORTUNITIES

Specific jobs with high projected growth and/or high turnover are listed directly below. As the chart below demonstrates, 22 (67 percent) of the 35 profiled healthcare occupations have high projected growth and/or high turnover. (Please see “Methodology” for an explanation of what constitutes high growth and turnover for this analysis)

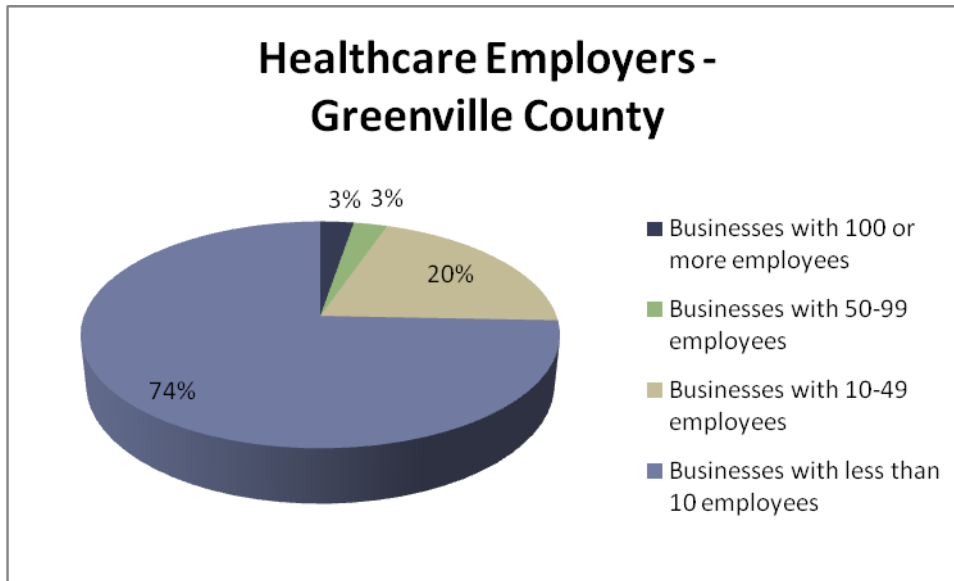
- Registered Nurses
- Nursing Aides, Orderlies and Attendants
- Licensed Practical and Licensed Vocational Nurses
- Home Health Aides
- Medical Assistants
- Medical Secretaries
- Receptionists and Information Clerks
- General Office Clerks
- Dental Assistants
- Personal and Home Care Aides
- Medical and Health Services Managers
- Secretaries (except legal, medical and executive)
- Maids and Housekeeping Cleaners
- Supervisors/Managers of Office and Administrative Support Workers
- Physical Therapists
- Janitors and Cleaners (except maids and housekeeping cleaners)
- Physicians and Surgeons (other)
- Bill and Account Collectors
- Cooks, Institution and Cafeteria
- Food Preparation Workers
- Bookkeeping, Accounting and Auditing Clerks
- Executive Secretaries and Administrative Assistants



Sources: EMSI, SC Department of Commerce.

EMPLOYERS

The Research Division utilized two national business databases, Dun & Bradstreet and InfoUSA, to come up with a list of healthcare employers in Greenville County. These two sources showed 1,584 healthcare businesses in Greenville County, employing from 1 to 7,500 people. About 3 percent, or 42, healthcare companies employed 100 or more people. The chart below breaks down the healthcare employer size in Greenville County.



Source: Dun & Bradstreet and infoUSA.

The list below gives detailed information for the 42 healthcare businesses with 100 or more employees.

Greenville County Healthcare Firms with 100 or More Employees

Company Name	City	Business Description	Employees
Chest Pain Center of Greenville	Greenville	Hospitals	7,500
Children's Hospital - Greenville	Greenville	Hospitals	7,500
Greenville Hospital System Inc	Greenville	Hospitals	5,200
Greenville Health Corp	Greenville	Medical Doctors Office Nursing/Personal Care Local Passenger Trans Ret Drugs/Sundries	400
Marshall/Pickens Hospital	Greenville	Hospitals	350
County of Greenville	Greenville	Emergency Medical Services	330
Allen Bennett Hospital	Greer	Hospitals	300
North Greenville Medical Campus	Travelers Rest	Hospitals	290
Patewood Medical Campus	Greenville	Hospitals	290
Greenville Memorial Hospital - Emergency Room	Greenville	Physicians & Surgeons	265
Greenville Hospital System Inc	Greenville	General Hospital Nursing/Personal Care Skilled Nursing Care Facility	257
Hillcrest Hospital	Simpsonville	Hospitals	250
NHC Health Care	Greer	Nursing & Convalescent Homes	225
County of Greenville	Greenville	Emergency Medical Services	200
Lower Bay Health Care	Greenville	Nursing & Convalescent Homes	200
Maxim Healthcare Service	Greenville	Home Health Service	200
Carolina Center for Behavioral Health	Greer	Hospitals	177
Greenville Hospital System Inc	Greenville	General Hospital	170
Greenville Mental Health Center	Greenville	Mental Health Services	160
Greenville Baptist Retirement	Greenville	Nursing, Personal Care, Residential Care, Skilled Nursing Facility	155
Blood Connection	Greenville	Blood Banks & Centers	150
Emergency Medical Service	Greenville	Ambulance Service	150
Health Force	Greenville	Home Health Service	150
Laurel Bay Health Care	Greenville	Nursing & Convalescent Homes	150
Oakmont East Nursing Center	Greenville	Nursing & Convalescent Homes	150
Oakmont Nursing Center	Greenville	Nursing & Convalescent Homes	150
Piedmont Nursing & Rehab		Skilled Nursing Facility	150
Chestnut Hill Mental Health	Travelers Rest	Psychiatric Hospital	140
Internal Medicine Associates		Medical Doctor's Office	140
Health Care & Retirement Corp		Skilled Nursing Facility	135
Children's Hospital - Outpatient Services	Greenville	Physicians & Surgeons	130
Comfort Keepers	Greenville	Home Health Service	130
NHC Health Care	Greenville	Nursing & Convalescent Homes	130
Oncology & Hematology Assocs		Medical Doctor's Office	125
Piedmont Living Center LLC	Greer	Nursing & Convalescent Homes	125
North Hills Medical Center	Greenville	Clinics	120
Interim Healthcare of Greenville	Greenville	Home Health Care Services	116
Piedmont Center - Mental Health	Simpsonville	Mental Health Services	105
Brighton Gardens of Greenville	Greenville	Residential Care Homes	100
Cancer Care of the Carolinas	Greer	Nurses-Practitioners	100
Gastroenterology Associates	Greenville	Physicians & Surgeons	100
Magnolia Manor Of Greenville	Greenville	Skilled Nursing Facility	100

Source: Dun & Bradstreet and infoUSA.

Appendix: Profiled Healthcare Occupations

Title	Standard Occupational Code	Median Wage	Employment	Reading Comprehension	Active Listening	Writing	Speaking	Mathematics	Education	High Growth?	High Turnover?
Registered Nurses	291111	30.11	2,289	High	High	Substantial	Substantial	Substantial	Associate degree	Yes	No
Nursing Aides, Orderlies & Attendants	311012	10.15	1,368	Substantial	Substantial	Moderate	Substantial	Moderate	Postsecondary vocational award	Yes	No
Licensed Practical & Licensed Vocational Nurses	292061	21.12	736	High	High	High	High	Substantial	Postsecondary vocational award	Yes	Yes
Home Health Aides	311011	9.03	512	Substantial	Substantial	Substantial	Moderate	Low	Short-term on-the-job training	Yes	No
Medical Assistants	319092	13.64	492	Substantial	High	Substantial	Substantial	Substantial	Moderate-term on-the-job training	Yes	No
Medical Secretaries	436013	15.84	423	Substantial	Substantial	Substantial	Substantial	Low	Postsecondary vocational award	Yes	No
Receptionists & Information Clerks	434171	11.27	343	Substantial	Substantial	Substantial	Substantial	Moderate	Short-term on-the-job training	Yes	No
General Office Clerks	439061	11.88	276	Substantial	Substantial	Substantial	Moderate	Moderate	Short-term on-the-job training	Yes	No
Dental Assistants	319091	13.85	256	Substantial	Substantial	Substantial	Substantial	Low	Moderate-term on-the-job training	Yes	No

Title	Standard Occupational Code	Median Wage	Employment	Reading Comprehension	Active Listening	Writing	Speaking	Mathematics	Education	High Growth?	High Turnover?
Personal & Home Care Aides	399021	9.95	251	Substantial	Substantial	Substantial	Substantial	Low	Short-term on-the-job training	Yes	No
Medical & Health Services Managers	119111	32.47	216	High	High	High	High	Substantial	Bachelor's or higher degree, plus work experience	Yes	No
Radiologic Technologists & Technicians	292034	23.47	210	High	High	Substantial	Substantial	Moderate	Associate degree	No	No
Secretaries (except legal, medical & executive)	436014	13.97	202	Substantial	Substantial	Substantial	Substantial	Moderate	Moderate-term on-the-job training	Yes	No
Maids & Housekeeping Cleaners	372012	8.41	200	Moderate	Moderate	Moderate	Moderate	Low	Short-term on-the-job training	Yes	No
Billing & Posting Clerks and Machine Operators	433021	15.11	191	Substantial	Substantial	Moderate	Moderate	Moderate	Moderate-term on-the-job training	No	No
Supervisors/Managers of Office & Administrative Support Workers	431011	20.14	177	Substantial	Substantial	Substantial	Substantial	Substantial	Work experience in a related occupation	Yes	No
Medical & Clinical Laboratory Technologists	292011	21.83	170	Substantial	Substantial	Substantial	Substantial	Substantial	Bachelor's degree	No	No
Dental Hygienists	292021	24.73	169	High	Substantial	Substantial	Substantial	Moderate	Associate degree	No	No

Title	Standard Occupational Code	Median Wage	Employment	Reading Comprehension	Active Listening	Writing	Speaking	Mathematics	Education	High Growth?	High Turnover?
Emergency Medical Technicians & Paramedics	292041	15.42	169	Substantial	Substantial	Substantial	Substantial	Moderate	Postsecondary vocational award	No	No
Medical & Clinical Laboratory Technicians	292012	15.09	165	Substantial	Substantial	Substantial	Substantial	Substantial	Associate degree	No	No
Medical Records & Health Information Technicians	292071	12.39	152	Substantial	Substantial	Substantial	Substantial	Moderate	Associate degree	No	No
Physical Therapists	291123	34.18	146	High	High	Substantial	Substantial	Moderate	Master's degree	Yes	No
Surgical Technologists	292055	16.57	141	High	Substantial	Substantial	Substantial	Substantial	Postsecondary vocational award	No	No
Janitors & Cleaners (except maids & housekeeping cleaners)	372011	8.12	141	Substantial	Moderate	Moderate	Moderate	Moderate	Short-term on-the-job training	Yes	No
Interviewers (except eligibility & loan)	434111	11.23	134	Substantial	Substantial	Substantial	Substantial	Moderate	Short-term on-the-job training	No	No
Physicians & Surgeons (other)	291069	106.09	134						First professional degree	Yes	No
Bill & Account Collectors	433011	14.15	133	Substantial	Substantial	Substantial	Substantial	Substantial	Short-term on-the-job training	Yes	No

Title	Standard Occupational Code	Median Wage	Employment	Reading Comprehension	Active Listening	Writing	Speaking	Mathematics	Education	High Growth?	High Turnover?
Cooks, Institution & Cafeteria	352012	9.77	130	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate-term on-the-job training	Yes	Yes
General & Operations Managers	111021	35.92	124	Substantial	Substantial	Substantial	Substantial	Substantial	Bachelor's or higher degree, plus work experience	N/A	N/A
Family & General Practitioners	291062		113	High	High	High	High	Substantial	First professional degree	N/A	Yes
Medical & Public Health Social Workers	211022	21.21	111	High	High	Substantial	Substantial	Low	Bachelor's degree	No	No
Food Preparation Workers	352021	8.87	110	Moderate	Moderate	Moderate	Moderate	Moderate	Short-term on-the-job training	Yes	Yes
Respiratory Therapists	291126	31.49	108	High	Substantial	Substantial	Substantial	Substantial	Associate degree	No	No
Bookkeeping, Accounting & Auditing Clerks	433031	15.37	102	Substantial	Substantial	Substantial	Moderate	Substantial	Moderate-term on-the-job training	Yes	No
Executive Secretaries & Administrative Assistants	436011	17.60	101	Substantial	Substantial	Substantial	Substantial	Moderate	Moderate-term on-the-job training	Yes	No

Occupations pay above the living wage of \$15.13 per hour.

Sources: Economic Modeling Specialists Inc., U.S. Department of Labor (O*Net) and S.C. Department of Commerce.



South Carolina
Department of Commerce
1201 Main Street, Suite 1600
Columbia, SC 29201

(800) 868-7232

(803) 737-0400

www.sccommerce.com