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Occupational Employment and Wages in Greenville-Anderson-Mauldin – May 2017

Workers in the Greenville-Anderson-Mauldin Metropolitan Statistical Area had an average (mean) hourly wage of \$20.78 in May 2017, about 15 percent below the nationwide average of \$24.34, according to the U.S. Bureau of Labor Statistics. Regional Commissioner Janet S. Rankin noted that, after testing for statistical significance, wages in the local area were lower than their respective national averages in 18 of the 22 major occupational groups, including computer and mathematical; building and grounds cleaning and maintenance; and life, physical, and social science. The remaining four occupational groups had average wages similar to those of the nation.

When compared to the nationwide distribution, local employment was more highly concentrated in 4 of the 22 occupational groups, including production; and transportation and material moving. Conversely, 14 groups had employment shares significantly below their national representation, including business and financial operations; office and administrative support; and computer and mathematical. (See [table A](#) and [box note](#) at end of release.)

Table A. Occupational employment and wages by major occupational group, United States and the Greenville-Anderson-Mauldin Metropolitan Statistical Area, and measures of statistical significance, May 2017

| Major occupational group | Percent of total employment | | Mean hourly wage | | Percent difference ⁽¹⁾ |
|--|-----------------------------|------------|------------------|------------|-----------------------------------|
| | United States | Greenville | United States | Greenville | |
| Total, all occupations | 100.0 | 100.0 | \$24.34 | \$20.78* | -15 |
| Management | 5.1 | 4.4* | 57.65 | 49.76* | -14 |
| Business and financial operations | 5.2 | 3.8* | 36.70 | 30.12* | -18 |
| Computer and mathematical | 3.0 | 2.0* | 43.18 | 34.16* | -21 |
| Architecture and engineering | 1.8 | 2.3* | 41.44 | 38.93* | -6 |
| Life, physical, and social science | 0.8 | 0.4* | 35.76 | 28.80* | -19 |
| Community and social service | 1.5 | 0.9* | 23.10 | 21.37* | -7 |
| Legal | 0.8 | 0.5* | 51.62 | 45.44* | -12 |
| Education, training, and library | 6.1 | 5.5* | 26.67 | 25.26 | -5 |
| Arts, design, entertainment, sports, and media | 1.4 | 0.9* | 28.34 | 25.31* | -11 |
| Healthcare practitioners and technical | 6.0 | 6.0 | 38.83 | 36.47 | -6 |
| Healthcare support | 2.9 | 2.6* | 15.05 | 13.57* | -10 |
| Protective service | 2.4 | 1.8* | 22.69 | 17.40* | -23 |
| Food preparation and serving related | 9.3 | 9.1 | 11.88 | 10.26* | -14 |
| Building and grounds cleaning and maintenance | 3.1 | 3.0 | 13.91 | 11.23* | -19 |
| Personal care and service | 3.6 | 2.7* | 13.11 | 10.73* | -18 |
| Sales and related | 10.2 | 10.6 | 19.56 | 16.52* | -16 |
| Office and administrative support | 15.4 | 14.4* | 18.24 | 16.61* | -9 |
| Farming, fishing, and forestry | 0.3 | (2)* | 13.87 | 14.76 | 6 |

Note: See footnotes at end of table.

Table A. Occupational employment and wages by major occupational group, United States and the Greenville-Anderson-Mauldin Metropolitan Statistical Area, and measures of statistical significance, May 2017 - Continued

| Major occupational group | Percent of total employment | | Mean hourly wage | | |
|---|-----------------------------|------------|------------------|------------|-----------------------------------|
| | United States | Greenville | United States | Greenville | Percent difference ⁽¹⁾ |
| Construction and extraction..... | 4.0 | 3.3* | 24.01 | 19.79* | -18 |
| Installation, maintenance, and repair | 3.9 | 4.3* | 23.02 | 21.54* | -6 |
| Production | 6.3 | 13.8* | 18.30 | 17.61 | -4 |
| Transportation and material moving | 7.0 | 7.6* | 17.82 | 15.15* | -15 |

Footnotes:

(1) A positive percent difference measures how much the mean wage in the Greenville-Anderson-Mauldin Metropolitan Statistical Area is above the national mean wage, while a negative difference reflects a lower wage.

(2) Indicates a value of less than 0.05 percent

* The percent share of employment or mean hourly wage for this area is significantly different from the national average of all areas at the 90-percent confidence level.

One occupational group—production—was chosen to illustrate the diversity of data available for any of the 22 major occupational categories. Greenville-Anderson-Mauldin had 55,330 jobs in production occupations, accounting for 13.8 percent of local area employment, significantly higher than the 6.3-percent share nationally. The average hourly wage for this occupational group locally was \$17.61, compared to the national wage of \$18.30.

Some of the larger detailed occupations within the production group included assemblers and fabricators, all other, including team assemblers (15,870), machinists (6,460), and inspectors, testers, sorters, samplers, and weighers (3,860). Among the higher paying jobs in this group were first-line supervisors of production and operating workers, and multiple metal and plastic machine tool setters, operators, and tenders with mean hourly wages of \$30.96 and \$27.49, respectively. At the lower end of the wage scale were sewing machine operators (\$10.52) and laundry and dry-cleaning workers (\$10.60). (Detailed data for production occupations are presented in [table 1](#); for a complete listing of detailed occupations available, go to www.bls.gov/oes/current/oes_24860.htm.)

Location quotients allow us to explore the occupational make-up of a metropolitan area by comparing the composition of jobs in an area relative to the national average. (See [table 1](#).) For example, a location quotient of 2.0 indicates that an occupation accounts for twice the share of employment in the area than it does nationally. In the Greenville-Anderson-Mauldin Metropolitan Statistical Area, above-average concentrations of employment were found in many of the occupations within the production group. For instance, textile knitting and weaving machine setters, operators, and tenders were employed at 29.6 times the national rate in Greenville, and machinists, at 6.1 times the U.S. average. On the other hand, welders, cutters, solderers, and brazers had a location quotient of 1.1 in Greenville, indicating that this particular occupation’s local and national employment shares were similar.

These statistics are from the Occupational Employment Statistics (OES) survey, a federal-state cooperative program between BLS and State Workforce Agencies, in this case, the South Carolina Department of Employment and Workforce.

Notes on Occupational Employment Statistics Data

With the release of the May 2017 estimates, the OES program has replaced 21 detailed occupations found in the 2010 Standard Occupational Classification (SOC) with 10 new aggregations of those occupations. In addition, selected 4- and 5-digit North American Industry Classification System (NAICS) industries previously published by OES will no longer be published separately. Some of the 4-digit NAICS industries that are no longer being published separately will instead be published as OES-specific industry aggregations. More information about the new occupational and industry aggregations is available at www.bls.gov/oes/changes_2017.htm.

A value that is statistically different from another does not necessarily mean that the difference has economic or practical significance. Statistical significance is concerned with the ability to make confident statements about a universe based on a sample. It is entirely possible that a large difference between two values is not significantly different statistically, while a small difference is, since both the size and heterogeneity of the sample affect the relative error of the data being tested.

Technical Note

The Occupational Employment Statistics (OES) survey is a semiannual mail survey measuring occupational employment and wage rates for wage and salary workers in nonfarm establishments in the United States. The OES data available from BLS include cross-industry occupational employment and wage estimates for the nation; over 650 areas, including states and the District of Columbia, metropolitan statistical areas (MSAs), metropolitan divisions, nonmetropolitan areas, and territories; national industry-specific estimates at the NAICS sector, 3-, 4-, and selected 5- and 6-digit industry levels; and national estimates by ownership across all industries and for schools and hospitals. OES data are available at www.bls.gov/oes/tables.htm.

OES estimates are constructed from a sample of about 1.2 million establishments. Each year, two semiannual panels of approximately 200,000 sampled establishments are contacted, one panel in May and the other in November. Responses are obtained by mail, Internet or other electronic means, email, telephone, or personal visit. The May 2017 estimates are based on responses from six semiannual panels collected over a 3-year period: May 2017, November 2016, May 2016, November 2015, May 2015, and November 2014. The overall national response rate for the six panels, based on the 50 states and the District of Columbia, is 72 percent based on establishments and 68 percent based on weighted sampled employment. The unweighted sample employment of 82 million across all six semiannual panels represents approximately 58 percent of total national employment. The sample in the Greenville-Anderson-Mauldin Metropolitan Statistical Area included 3,059 establishments with a response rate of 62 percent. For more information about OES concepts and methodology, go to www.bls.gov/oes/current/oes_tec.htm.

The May 2017 OES estimates are based on the 2010 Standard Occupational Classification (SOC) system and the 2017 North American Industry Classification System (NAICS). Information about the 2010 SOC is available on the BLS website at www.bls.gov/soc and information about the 2012 NAICS is available at www.bls.gov/bls/naics.htm.

Metropolitan area definitions

The substate area data published in this release reflect the standards and definitions established by the U.S. Office of Management and Budget.

The **Greenville-Anderson-Mauldin Metropolitan Statistical Area** includes Anderson, Greenville, Laurens, and Pickens Counties in South Carolina.

Additional information

OES data are available on our regional web page at www.bls.gov/regions/southeast. Answers to frequently asked questions about the OES data are available at www.bls.gov/oes/oes_ques.htm. Detailed technical information about the OES survey is available in our Survey Methods and Reliability Statement on the BLS website at www.bls.gov/oes/current/methods_statement.pdf.

Information in this release will be made available to sensory impaired individuals upon request. Voice phone: (202) 691-5200; Federal Relay Service: (800) 877-8339.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Greenville-Anderson-Mauldin Metropolitan Statistical Area, May 2017

| Occupation ⁽¹⁾ | Employment | | Mean wages | |
|---|----------------------|----------------------------------|------------|-----------------------|
| | Level ⁽²⁾ | Location quotient ⁽³⁾ | Hourly | Annual ⁽⁴⁾ |
| Production occupations | 55,330 | 2.2 | \$17.61 | \$36,630 |
| First-line supervisors of production and operating workers | 3,040 | 1.8 | 30.96 | 64,400 |
| Electrical, electronic, and electromechanical assemblers, except coil winders, tapers, and finishers ... | 490 | 0.7 | 14.97 | 31,140 |
| Engine and other machine assemblers | 300 | 2.8 | 21.75 | 45,240 |
| Structural metal fabricators and fitters | 530 | 2.4 | 24.80 | 51,580 |
| Assemblers and fabricators, all other, including team assemblers | 15,870 | 4.3 | 15.58 | 32,420 |
| Bakers | 460 | 0.9 | 12.35 | 25,690 |
| Butchers and meat cutters | 340 | 0.9 | 15.55 | 32,350 |
| Slaughterers and meat packers | 80 | 0.4 | 11.53 | 23,980 |
| Food batchmakers | 360 | 0.8 | 12.68 | 26,370 |
| Computer-controlled machine tool operators, metal and plastic | 1,020 | 2.5 | 19.35 | 40,240 |
| Computer numerically controlled machine tool programmers, metal and plastic | 130 | 1.9 | 23.13 | 48,110 |
| Extruding and drawing machine setters, operators, and tenders, metal and plastic | 1,080 | 5.2 | 23.78 | 49,470 |
| Cutting, punching, and press machine setters, operators, and tenders, metal and plastic | 600 | 1.1 | 19.03 | 39,580 |
| Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic | 170 | 0.8 | 19.04 | 39,590 |
| Machinists | 6,460 | 6.1 | 18.59 | 38,680 |
| Foundry mold and coremakers | 30 | 0.9 | 23.62 | 49,140 |
| Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic | 680 | 1.6 | 15.75 | 32,760 |
| Multiple machine tool setters, operators, and tenders, metal and plastic | 550 | 1.6 | 27.49 | 57,170 |
| Tool and die makers | 370 | 1.8 | 26.44 | 55,000 |
| Welders, cutters, solderers, and brazers | 1,150 | 1.1 | 18.20 | 37,850 |
| Welding, soldering, and brazing machine setters, operators, and tenders | 110 | 1.0 | 15.23 | 31,670 |
| Heat treating equipment setters, operators, and tenders, metal and plastic | 110 | 1.9 | 18.88 | 39,280 |
| Plating and coating machine setters, operators, and tenders, metal and plastic | 80 | 0.8 | 13.98 | 29,070 |
| Prepress technicians and workers | 110 | 1.2 | 15.31 | 31,840 |
| Printing press operators | 720 | 1.5 | 18.88 | 39,280 |
| Print binding and finishing workers | (5) | (5) | 14.56 | 30,290 |
| Laundry and dry-cleaning workers | 350 | 0.6 | 10.60 | 22,050 |
| Pressers, textile, garment, and related materials | 130 | 1.1 | 10.84 | 22,550 |
| Sewing machine operators | 550 | 1.4 | 10.52 | 21,890 |
| Textile bleaching and dyeing machine operators and tenders | 250 | 9.1 | 14.83 | 30,850 |
| Textile cutting machine setters, operators, and tenders .. | 260 | 6.6 | 12.94 | 26,920 |
| Textile knitting and weaving machine setters, operators, and tenders | 1,750 | 29.6 | 14.64 | 30,440 |
| Textile winding, twisting, and drawing out machine setters, operators, and tenders | 660 | 7.6 | 13.72 | 28,540 |
| Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers | 190 | 3.5 | 17.14 | 35,660 |
| Cabinetmakers and bench carpenters | 440 | 1.6 | 17.15 | 35,670 |
| Furniture finishers | (5) | (5) | 14.05 | 29,220 |
| Sawing machine setters, operators, and tenders, wood . | 120 | 0.8 | 15.24 | 31,690 |
| Woodworking machine setters, operators, and tenders, except sawing | 160 | 0.7 | 12.64 | 26,290 |
| Water and wastewater treatment plant and system operators | 370 | 1.1 | 22.78 | 47,380 |
| Chemical plant and system operators | 130 | 1.5 | 26.00 | 54,090 |

Note: See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Greenville-Anderson-Mauldin Metropolitan Statistical Area, May 2017 - Continued

| Occupation ⁽¹⁾ | Employment | | Mean wages | |
|--|----------------------|----------------------------------|------------|-----------------------|
| | Level ⁽²⁾ | Location quotient ⁽³⁾ | Hourly | Annual ⁽⁴⁾ |
| Gas plant operators..... | 50 | 1.2 | 22.40 | 46,600 |
| Chemical equipment operators and tenders | 710 | 3.2 | 21.38 | 44,460 |
| Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders..... | (5) | (5) | 21.13 | 43,960 |
| Grinding and polishing workers, hand..... | 80 | 0.9 | 13.11 | 27,270 |
| Mixing and blending machine setters, operators, and tenders | 750 | 2.1 | 18.03 | 37,500 |
| Cutting and slicing machine setters, operators, and tenders | (5) | (5) | 17.21 | 35,800 |
| Extruding, forming, pressing, and compacting machine setters, operators, and tenders | 550 | 2.6 | 20.13 | 41,860 |
| Furnace, kiln, oven, drier, and kettle operators and tenders | (5) | (5) | 16.97 | 35,290 |
| Inspectors, testers, sorters, samplers, and weighers..... | 3,860 | 2.6 | 18.97 | 39,450 |
| Jewelers and precious stone and metal workers | 40 | 0.5 | 16.58 | 34,490 |
| Dental laboratory technicians | 70 | 0.7 | 17.54 | 36,480 |
| Ophthalmic laboratory technicians | 100 | 1.1 | 15.56 | 32,370 |
| Packaging and filling machine operators and tenders | 1,340 | 1.2 | 13.63 | 28,360 |
| Coating, painting, and spraying machine setters, operators, and tenders | 340 | 1.4 | 14.62 | 30,410 |
| Painters, transportation equipment | 90 | 0.6 | 19.65 | 40,860 |
| Painting, coating, and decorating workers | (5) | (5) | 16.77 | 34,890 |
| Cleaning, washing, and metal pickling equipment operators and tenders | 50 | 1.0 | 13.39 | 27,850 |
| Paper goods machine setters, operators, and tenders ... | 470 | 1.8 | 18.09 | 37,620 |
| Helpers--production workers | 2,300 | 2.0 | 10.88 | 22,640 |
| Production workers, all other..... | 450 | 0.6 | 12.59 | 26,190 |

Footnotes:

(1) For a complete listing of all detailed occupations in the Greenville-Anderson-Mauldin Metropolitan Statistical Area, see www.bls.gov/oes/current/oes_24860.htm

(2) Estimates for detailed occupations do not sum to the totals because the totals include occupations not shown separately. Estimates do not include self-employed workers.

(3) The location quotient is the ratio of the area concentration of occupational employment to the national average concentration. A location quotient greater than one indicates the occupation has a higher share of employment than average, and a location quotient less than one indicates the occupation is less prevalent in the area than average.

(4) Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

(5) Estimate not released.