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Occupational Employment and Wages In Providence-Fall River-Warwick - May 2013

Workers in the Providence-Fall River-Warwick Metropolitan Statistical Area had an average (mean) hourly wage of \$23.00 in May 2013, about 3 percent above the nationwide average of \$22.33, according to the U.S. Bureau of Labor Statistics. Regional Commissioner Deborah A. Brown noted that, after testing for statistical significance, wages in the local area were significantly higher than their respective national averages in 11 of the 22 major occupational groups, including education, training, and library; management; and healthcare practitioners and technical. Four groups had significantly lower wages than their respective national averages including legal and arts, design, entertainment, sports, and media.

When compared to the nationwide distribution, local employment was more highly concentrated in 5 of the 22 occupational groups, including food preparation and serving related, healthcare support, and healthcare practitioners and technical. Conversely, 11 groups had employment shares significantly below their national representation, including transportation and material moving; installation, maintenance, and repair; and construction and extraction. (See [table A](#) and box note at end of release.)

Table A. Occupational employment and wages by major occupational group, United States and the Providence-Fall River-Warwick Metropolitan Statistical Area, and measures of statistical significance, May 2013

Major occupational group	Percent of total employment		Mean hourly wage		
	United States	Providence	United States	Providence	Percent difference ⁽¹⁾
Total, all occupations	100.0%	100.0%	\$22.33	\$23.00*	3
Management	4.9	4.8	53.15	56.30*	6
Business and financial operations	5.0	4.7*	34.14	34.73	2
Computer and mathematical	2.8	2.5*	39.43	37.88*	-4
Architecture and engineering	1.8	1.5*	38.51	39.76	3
Life, physical, and social science	0.9	0.6*	33.37	35.08*	5
Community and social services	1.4	2.2*	21.50	21.68	1
Legal	0.8	0.7*	47.89	36.82*	-23
Education, training, and library	6.3	6.9*	24.76	29.17*	18
Arts, design, entertainment, sports, and media	1.3	1.2*	26.72	24.14*	-10
Healthcare practitioner and technical	5.8	6.7*	35.93	38.70*	8
Healthcare support	3.0	4.1*	13.61	14.72*	8
Protective service	2.5	2.3*	20.92	22.19	6
Food preparation and serving related	9.0	10.2*	10.38	11.07*	7
Building and grounds cleaning and maintenance	3.2	3.2	12.51	14.14*	13
Personal care and service	3.0	3.1	11.88	12.51*	5
Sales and related	10.6	10.5	18.37	17.84	-3
Office and administrative support	16.2	16.2	16.78	17.79*	6

Note: See footnotes at end of table.

Table A. Occupational employment and wages by major occupational group, United States and the Providence-Fall River-Warwick Metropolitan Statistical Area, and measures of statistical significance, May 2013 - Continued

Major occupational group	Percent of total employment		Mean hourly wage		
	United States	Providence	United States	Providence	Percent difference ⁽¹⁾
Farming, fishing, and forestry.....	0.3	(2)*	11.70	11.77	1
Construction and extraction.....	3.8	3.4*	21.94	23.45*	7
Installation, maintenance, and repair	3.9	3.1*	21.35	21.91*	3
Production	6.6	6.9	16.79	16.42*	-2
Transportation and material moving.....	6.8	5.1*	16.28	15.81	-3

Footnotes:

(1) A positive percent difference measures how much the mean wage in Providence 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—food preparation and serving related—was chosen to illustrate the diversity of data available for any of the 22 major occupational categories. Providence-Fall River-Warwick had 55,510 jobs in food preparation and serving related, accounting for 10.2 percent of local area employment, significantly higher than the 9.0-percent share nationally. The average hourly wage for this occupational group locally was \$11.07, measurably above the national wage of \$10.38.

With employment of 11,530 and 11,420 respectively, combined food preparation and serving workers, including fast food and waiters and waitresses were the largest occupations within the food preparation and serving related group, followed by cafeteria, food concession, and coffee shop counter attendants (4,760). With a mean hourly wage of \$24.53 chefs and head cooks were the highest paid occupation followed by first-line supervisors of food preparation and serving workers (\$18.67). At the lower end of the wage scale were combined food preparation and serving workers, including fast food (\$9.27) and cafeteria, food concession, and coffee shop counter attendants (\$9.33). (Detailed occupational data for food preparation and serving related are presented in [table 1](#) ; for a complete listing of detailed occupations available go to www.bls.gov/oes/current/oes_77200.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 Providence-Fall River-Warwick Metropolitan Statistical Area, above average concentrations of employment were found in some of the occupations within the food preparation and serving related group. For instance, cafeteria, food concession, and coffee shop counter attendants were employed at 2.6 times the national rate in Providence, and bartenders, at 1.4 times the U.S. average. On the other hand, combined food preparation and serving workers, including fast food had a location quotient of 0.9 in Providence, 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 Rhode Island Department of Labor and Training.

OES wage and employment data for the 22 major occupational groups in the Providence metropolitan statistical area were compared to their respective national averages based on statistical significance testing. Only those occupations with wages or employment shares above or below the national wage or share after testing for significance at the 90-percent confidence level meet the criteria.

NOTE: 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. Guam, Puerto Rico, and the Virgin Islands are also surveyed, but their data are not included in the national estimates. OES estimates are constructed from a sample of about 1.2 million establishments. Forms are mailed to approximately 200,000 sampled establishments in May and November each year for a 3-year period. May 2013 estimates are based on responses from six semiannual panels collected in May 2013, November 2012, May 2012, November 2011, May 2011, and November 2010. The overall national response rate for the six panels is 75.3 percent based on establishments and 71.6 percent based on employment. The sample in the Providence-Fall River-Warwick Metropolitan Statistical Area included 5,150 establishments with a response rate of 75 percent. For more information about OES concepts and methodology, go to www.bls.gov/news.release/ocwage.tn.htm.

The OES survey provides estimates of employment and hourly and annual wages for wage and salary workers in 22 major occupational groups and 821 detailed occupations for the nation, states, metropolitan statistical areas, metropolitan divisions, and nonmetropolitan areas. In addition, employment and wage estimates for 94 minor groups and 458 broad occupations are available in the national data. OES data by state and metropolitan/nonmetropolitan area are available from www.bls.gov/oes/current/oessrcst.htm and www.bls.gov/oes/current/oessrcma.htm, respectively.

The May 2013 OES estimates are based on the 2010 Standard Occupational Classification (SOC) system and the 2012 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.

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 **Providence-Fall River-Warwick, R.I. Metropolitan Statistical Area** includes Attleboro city, MA, Barrington town, RI, Bellingham town, MA, Blackstone town, MA, Bristol town, RI, Burrillville town, RI, Central Falls city, RI, Charlestown town, RI, Coventry town, RI, Cranston city, RI, Cumberland town, RI, East Greenwich town, RI, East Providence city, RI, Exeter town, RI, Fall River city, MA, Foster town, RI, Gloucester town, RI, Hopkinton town, RI, Jamestown town, RI, Johnston town, RI, Lincoln town, RI, Little Compton town, RI, Middletown town, RI, Millville town, MA, Narragansett town, RI, Newport city, RI, North Attleborough town, MA, North Kingstown town, RI, North Providence town, RI, North Smithfield town, RI,

Pawtucket city, RI, Plainville town, MA, Portsmouth town, RI, Providence city, RI, Rehoboth town, MA, Richmond town, RI, Scituate town, RI, Seekonk town, MA, Smithfield town, RI, Somerset town, MA, South Kingstown town, RI, Swansea town, MA, Tiverton town, RI, Warren town, RI, Warwick city, RI, West Greenwich town, RI, West Warwick town, RI, Westport town, MA, and Woonsocket city, RI.

Additional information

OES data are available on our regional web page at www.bls.gov/regions/new-england. 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/2013/may/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: 1-800-877-8339.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Providence-Fall River-Warwick Metropolitan Statistical Area, May 2013

Occupation ⁽¹⁾	Employment		Mean wages	
	Level ⁽²⁾	Location quotient ⁽³⁾	Hourly	Annual ⁽⁴⁾
Food Preparation and Serving Related Occupations	55,510	1.1	\$11.07	\$23,020
Chefs and Head Cooks	420	1.0	24.53	51,030
First-Line Supervisors of Food Preparation and Serving Workers	4,460	1.3	18.67	38,820
Cooks, Fast Food	970	0.5	9.36	19,480
Cooks, Institution and Cafeteria	1,310	0.8	15.88	33,030
Cooks, Restaurant	4,610	1.1	11.89	24,730
Cooks, Short Order	1,310	1.9	11.62	24,180
Food Preparation Workers	3,750	1.1	11.22	23,350
Bartenders	3,200	1.4	10.83	22,530
Combined Food Preparation and Serving Workers, Including Fast Food	11,530	0.9	9.27	19,290
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	4,760	2.6	9.33	19,400
Waiters and Waitresses	11,420	1.2	10.34	21,500
Food Servers, Nonrestaurant	1,220	1.2	10.44	21,720
Dining Room and Cafeteria Attendants and Bartender Helpers	2,000	1.2	9.34	19,420
Dishwashers	2,570	1.3	9.53	19,820
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,770	1.2	9.38	19,510
Food Preparation and Serving Related Workers, All Other	180	1.2	10.40	21,640

Footnotes:

(1) For a complete listing of all detailed occupations in Providence-Fall River-Warwick, RI-MA, see www.bls.gov/oes/current/oes_77200.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.