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## OCCUPATIONAL EMPLOYMENT AND WAGES IN NEWARK-UNION, MAY 2010

Workers in the Newark-Union Metropolitan Division had an average (mean) hourly wage of \$25.74 in May 2010, roughly 21 percent above the nationwide average of \$21.35, according to the U.S. Bureau of Labor Statistics. Regional Commissioner Michael L. Dolfman noted that, after testing for statistical significance, wages in the local area were significantly higher than their respective national averages in 21 of the 22 major occupational groups, including management, life, physical, and social science, and legal. No group had an hourly wage significantly lower than its respective national average. (See table A and box note at end of release.)

**Table A. Occupational employment and wages by major occupational group, United States and the Newark-Union Metropolitan Division, and measures of statistical significance, May 2010**

Major occupational group	Percent of total employment		Average hourly wage	
	United States	Newark	United States	Newark
<b>Total, all occupations</b>	100.0%	100.0%	\$21.35	\$25.74 *
Management	4.7	5.7 *	50.69	63.98 *
Business and financial operations	4.8	6.1 *	32.54	36.62 *
Computer and mathematical	2.6	3.1 *	37.13	42.88 *
Architecture and engineering	1.8	1.5 *	36.32	40.01 *
Life, physical, and social science	0.8	1.3 *	31.92	39.39 *
Community and social service	1.5	1.6	20.76	25.62 *
Legal	0.8	1.1 *	46.60	54.02 *
Education, training, and library	6.7	8.0 *	24.25	26.95 *
Arts, design, entertainment, sports, and media	1.4	1.2	25.14	26.42
Healthcare practitioners and technical	5.8	5.3	34.27	39.61 *
Healthcare support	3.1	3.2	12.94	13.72 *
Protective service	2.5	3.3 *	20.43	25.29 *
Food preparation and serving related	8.7	6.1 *	10.21	11.34 *
Building and grounds cleaning and maintenance	3.3	3.9 *	12.16	13.09 *
Personal care and service	2.7	2.7	11.82	13.39 *
Sales and related	10.6	9.8 *	17.69	22.13 *
Office and administrative support	16.9	17.8	16.09	17.81 *
Farming, fishing, and forestry	0.3	** *	11.70	16.74 *
Construction and extraction	4.0	3.0 *	21.09	28.30 *
Installation, maintenance, and repair	3.9	3.8	20.58	23.89 *
Production	6.5	4.6 *	16.24	17.12 *
Transportation and material moving	6.7	6.8	15.70	16.49 *

\* 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.

\*\* Indicates a value of less than 0.05 percent.



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When compared to the nationwide distribution, Newark-Union employment was more highly concentrated in 8 of the 22 occupational groups, including education, training, and library, business and financial operations, and management. Conversely, six groups had employment shares significantly below their national representation, including food preparation and serving related, production, and construction and extraction.

One occupational group—business and financial operations—was chosen to illustrate the diversity of data available for any of the 22 major occupational categories. Newark-Union had 58,250 jobs in business and financial operations, accounting for 6.1 percent of local area employment, significantly higher than the 4.8-percent share nationally. The average hourly wage for this occupational group locally was \$36.62, measurably above the national wage of \$32.54.

With employment of 9,300, accountants and auditors was one of the largest occupations within the business and financial operations group, as were management analysts (4,400) and compliance officers (3,080). Among the higher paying jobs were management analysts and personal financial advisors, with mean hourly wages of \$46.03 and \$45.90, respectively. At the lower end of the wage scale were credit counselors (\$20.92) and tax preparers (\$23.17). (Detailed occupational data for business and financial operations are presented in table 1; for a complete listing of detailed occupations available go to [www.bls.gov/oes/current/oes\\_35084.htm](http://www.bls.gov/oes/current/oes_35084.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 Newark-Union Metropolitan Division, above average concentrations of employment were found in some of the occupations within the business and financial operations group. For instance, insurance underwriters were employed at 2.4 times the national rate, and compliance officers, at 2.0 times the U.S. average. On the other hand, training and development specialists had a location quotient of 1.1, 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 New Jersey Department of Labor and Workforce Development. The OES survey provides estimates of employment and hourly and annual wages for wage and salary workers in 22 major occupational groups and nearly 800 non-military detailed occupations for the nation, states, metropolitan statistical areas, metropolitan divisions, and nonmetropolitan areas.

OES wage and employment data for the 22 major occupational groups in the Newark Metropolitan Division 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 employment 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 also are surveyed, but their data are not included in this release. OES estimates are constructed from a sample of about 1.2 million establishments. Forms are mailed to approximately 200,000 establishments in May and November of each year for a 3-year period. The nationwide response rate for the May 2010 survey was 78.2 percent based on establishments and 74.4 percent based on employment. May 2010 estimates are based on responses from six semiannual panels collected over a 3-year period: May 2010, November 2009, May 2009, November 2008, May 2008, and November 2007. The sample in the Newark-Union Metropolitan Division included 6,532 establishments with a response rate of 74 percent. For more information about OES concepts and methodology, go to [www.bls.gov/news.release/ocwage.tn.htm](http://www.bls.gov/news.release/ocwage.tn.htm).

The May 2010 OES estimates mark the first set of estimates based in part on data collected using the 2010 Standard Occupational Classification (SOC) system. Nearly all the occupations in this release are 2010 SOC occupations; however, some are not. The May 2012 OES data will reflect the full set of detailed occupations in the 2010 SOC. For a list of all occupations, including 2010 SOC occupations, and how data collected on two structures were combined, see the OES Frequently Asked Questions online at [www.bls.gov/oes/oes\\_ques.htm#Ques41](http://www.bls.gov/oes/oes_ques.htm#Ques41).

### 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 **Newark-Union, N.J. Metropolitan Division** includes Essex, Hunterdon, Morris, Sussex, and Union Counties of New Jersey, and Pike County of Pennsylvania.

### Additional information

OES data are available on our regional web page at [www.bls.gov/ro2/home.htm](http://www.bls.gov/ro2/home.htm). If you have additional questions, contact the New York-New Jersey Economic Analysis and Information Unit at (646) 264-3600. Information in this release will be made available to sensory impaired individuals upon request. Voice phone: 202-691-5200; TDD message referral phone number: 1-800-877-8339.

**Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Newark-Union Metropolitan Division, May 2010**

Occupation	Employment		Mean wages	
	Level <sup>1</sup>	Location quotient <sup>2</sup>	Hourly	Annual
Business and financial operations occupations	58,250	1.3	\$36.62	\$76,170
Buyers and purchasing agents, farm products	30	0.4	40.93	85,130
Wholesale and retail buyers, except farm products	830	1.0	33.68	70,050
Purchasing agents, except wholesale, retail, and farm products	1,770	0.9	33.18	69,010
Claims adjusters, examiners, and investigators	3,070	1.6	34.23	71,210
Insurance appraisers, auto damage	170	2.2	26.46	55,040
Compliance officers	3,080	2.0	34.88	72,560
Cost estimators	1,020	0.7	36.62	76,170
Human resources, training, and labor relations specialists, all other*	3,140	1.0	34.20	71,140
Logisticians	850	1.1	38.28	79,620
Management analysts	4,400	1.1	46.03	95,740
Meeting, convention, and event planners*	310	0.7	25.91	53,900
Compensation, benefits, and job analysis specialists	580	0.7	32.23	67,040
Training and development specialists	1,620	1.1	33.39	69,440
Market research analysts and marketing specialists*	2,270	1.2	36.00	74,890
Business operations specialists, all other*	14,740	2.0	33.60	69,890
Accountants and auditors	9,300	1.2	40.67	84,600
Appraisers and assessors of real estate	350	0.7	30.08	62,560
Budget analysts	420	1.0	36.61	76,150
Credit analysts	440	0.9	36.55	76,020
Financial analysts	2,430	1.5	41.36	86,030
Personal financial advisors	930	0.8	45.90	95,470
Insurance underwriters	1,710	2.4	34.82	72,420
Financial examiners	180	0.9	40.78	84,820
Credit counselors	90	0.4	20.92	43,510
Loan officers	1,250	0.6	39.09	81,300
Tax examiners and collectors, and revenue agents	520	1.0	38.25	79,560
Tax preparers	420	1.0	23.17	48,190
Financial specialists, all other	2,210	1.9	32.85	68,320

<sup>1</sup> 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.

<sup>2</sup> 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.

\* Occupation titles followed by an asterisk (\*) have similar titles, but not necessarily the same content as 2010 SOC occupations.