

Relative standard errors (in percent) of average hourly wages for selected occupational groups and areas by job characteristic, civilian workers, 2019¹

Selected occupational groups and areas	Job characteristic			
	Union	Nonunion	Full-time	Part-time
21-0000 Community and social services				
Atlanta-Sandy Springs-Roswell, GA.....	–	1.2	1.4	–
Boston-Cambridge-Nashua, MA-NH.....	4.2	1.8	1.5	5.8
Chicago-Naperville-Elgin, IL-IN-WI.....	–	2.2	1.6	–
Dallas-Fort Worth-Arlington, TX.....	–	1.7	0.7	–
Detroit-Warren-Dearborn, MI.....	2.6	1.3	1.1	4.3
Houston-The Woodlands-Sugar Land, TX.....	–	2.0	0.7	–
Los Angeles-Long Beach-Anaheim, CA.....	2.2	2.1	1.1	3.7
Miami-Fort Lauderdale-West Palm Beach, FL.....	3.5	1.4	1.2	–
Minneapolis-St. Paul-Bloomington, MN-WI.....	3.4	1.3	1.1	–
New York-Newark-Jersey City, NY-NJ-PA.....	–	2.1	1.4	6.8
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	3.6	1.5	1.4	–
Phoenix-Mesa-Scottsdale, AZ.....	–	1.0	0.8	–
San Jose-Sunnyvale-Santa Clara, CA.....	2.3	2.3	1.2	–
Seattle-Tacoma-Bellevue, WA.....	1.8	1.7	1.2	–
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	–	1.9	1.0	3.4
29-0000 Healthcare practitioners and technical				
Atlanta-Sandy Springs-Roswell, GA.....	–	2.0	–	2.9
Boston-Cambridge-Nashua, MA-NH.....	7.7	2.9	1.7	3.4
Chicago-Naperville-Elgin, IL-IN-WI.....	6.9	0.9	1.2	2.8
Dallas-Fort Worth-Arlington, TX.....	–	1.8	1.9	5.8
Detroit-Warren-Dearborn, MI.....	7.1	1.4	1.5	4.4
Houston-The Woodlands-Sugar Land, TX.....	–	–	1.2	5.3
Los Angeles-Long Beach-Anaheim, CA.....	2.3	2.5	1.4	3.3
Miami-Fort Lauderdale-West Palm Beach, FL.....	10.5	1.2	1.6	3.3
Minneapolis-St. Paul-Bloomington, MN-WI.....	6.5	1.3	1.9	1.6
New York-Newark-Jersey City, NY-NJ-PA.....	–	2.9	1.5	4.7
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	11.0	3.2	1.7	5.3
Phoenix-Mesa-Scottsdale, AZ.....	–	1.4	1.8	3.3
San Jose-Sunnyvale-Santa Clara, CA.....	2.7	–	–	–
Seattle-Tacoma-Bellevue, WA.....	2.1	–	2.9	2.8
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	8.1	2.1	2.0	2.1
31-0000 Healthcare support				
Atlanta-Sandy Springs-Roswell, GA.....	–	1.7	1.7	–
Boston-Cambridge-Nashua, MA-NH.....	–	0.8	1.4	3.6
Chicago-Naperville-Elgin, IL-IN-WI.....	6.9	0.6	2.0	1.5
Dallas-Fort Worth-Arlington, TX.....	–	3.7	2.6	9.9
Detroit-Warren-Dearborn, MI.....	11.8	0.9	4.7	7.0
Houston-The Woodlands-Sugar Land, TX.....	–	5.4	2.5	15.1
Los Angeles-Long Beach-Anaheim, CA.....	3.1	1.1	1.0	3.4
Miami-Fort Lauderdale-West Palm Beach, FL.....	–	1.2	1.2	2.8
Minneapolis-St. Paul-Bloomington, MN-WI.....	–	0.5	–	0.6
New York-Newark-Jersey City, NY-NJ-PA.....	2.2	0.5	2.2	1.3
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	9.9	1.4	1.0	1.4
Phoenix-Mesa-Scottsdale, AZ.....	–	0.4	1.3	1.6
San Jose-Sunnyvale-Santa Clara, CA.....	2.6	1.2	–	–
Seattle-Tacoma-Bellevue, WA.....	5.9	1.2	1.6	3.6
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	4.2	1.0	0.8	2.3

See footnotes at end of table.

Relative standard errors (in percent) of average hourly wages for selected occupational groups and areas by job characteristic, civilian workers, 2019¹ — Continued

Selected occupational groups and areas	Job characteristic			
	Union	Nonunion	Full-time	Part-time
33-0000 Protective service				
Atlanta-Sandy Springs-Roswell, GA.....	—	2.9	2.4	—
Boston-Cambridge-Nashua, MA-NH.....	4.4	4.6	1.4	2.7
Chicago-Naperville-Elgin, IL-IN-WI.....	2.0	2.3	1.2	4.7
Dallas-Fort Worth-Arlington, TX.....	—	4.5	3.6	6.5
Detroit-Warren-Dearborn, MI.....	2.0	2.4	1.5	3.9
Houston-The Woodlands-Sugar Land, TX.....	—	4.8	1.2	—
Los Angeles-Long Beach-Anaheim, CA.....	6.5	4.5	3.9	4.8
Miami-Fort Lauderdale-West Palm Beach, FL.....	3.2	2.0	2.0	8.1
Minneapolis-St. Paul-Bloomington, MN-WI.....	3.3	—	—	—
New York-Newark-Jersey City, NY-NJ-PA.....	3.0	2.8	1.4	3.0
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	1.7	2.5	2.0	3.5
Phoenix-Mesa-Scottsdale, AZ.....	3.0	2.0	2.4	—
San Jose-Sunnyvale-Santa Clara, CA.....	—	9.6	—	7.7
Seattle-Tacoma-Bellevue, WA.....	4.7	—	1.5	—
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	4.4	3.2	2.2	—
35-0000 Food preparation and serving related				
Atlanta-Sandy Springs-Roswell, GA.....	—	9.6	3.4	13.6
Boston-Cambridge-Nashua, MA-NH.....	4.4	0.7	3.1	0.8
Chicago-Naperville-Elgin, IL-IN-WI.....	5.4	3.3	3.2	4.6
Dallas-Fort Worth-Arlington, TX.....	7.7	8.6	5.4	12.4
Detroit-Warren-Dearborn, MI.....	—	0.8	2.6	0.7
Houston-The Woodlands-Sugar Land, TX.....	—	7.6	5.4	9.6
Los Angeles-Long Beach-Anaheim, CA.....	5.8	1.3	2.7	1.1
Miami-Fort Lauderdale-West Palm Beach, FL.....	—	3.1	2.2	5.0
Minneapolis-St. Paul-Bloomington, MN-WI.....	—	0.9	1.6	0.8
New York-Newark-Jersey City, NY-NJ-PA.....	5.5	1.4	3.0	1.2
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	6.4	3.9	2.8	5.0
Phoenix-Mesa-Scottsdale, AZ.....	—	0.4	1.8	1.0
San Jose-Sunnyvale-Santa Clara, CA.....	7.9	0.6	2.3	1.1
Seattle-Tacoma-Bellevue, WA.....	8.2	1.4	1.6	0.9
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	5.5	2.1	2.6	2.6
37-0000 Building and grounds cleaning and maintenance				
Atlanta-Sandy Springs-Roswell, GA.....	—	3.0	3.0	5.8
Boston-Cambridge-Nashua, MA-NH.....	5.2	2.5	1.7	4.7
Chicago-Naperville-Elgin, IL-IN-WI.....	2.3	1.5	3.7	3.5
Dallas-Fort Worth-Arlington, TX.....	—	1.9	2.6	5.1
Detroit-Warren-Dearborn, MI.....	3.7	0.8	1.5	0.9
Houston-The Woodlands-Sugar Land, TX.....	—	3.8	3.2	15.6
Los Angeles-Long Beach-Anaheim, CA.....	5.9	1.2	2.4	2.7
Miami-Fort Lauderdale-West Palm Beach, FL.....	—	1.8	1.6	4.2
Minneapolis-St. Paul-Bloomington, MN-WI.....	3.7	1.5	1.6	4.2
New York-Newark-Jersey City, NY-NJ-PA.....	2.1	1.7	1.3	4.9
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	3.2	2.3	1.9	3.7
Phoenix-Mesa-Scottsdale, AZ.....	—	0.8	1.9	1.2
San Jose-Sunnyvale-Santa Clara, CA.....	4.9	2.1	2.3	5.0
Seattle-Tacoma-Bellevue, WA.....	5.9	2.5	2.4	10.8
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	5.3	1.2	1.2	2.5

See footnotes at end of table.

Relative standard errors (in percent) of average hourly wages for selected occupational groups and areas by job characteristic, civilian workers, 2019¹ — Continued

Selected occupational groups and areas	Job characteristic			
	Union	Nonunion	Full-time	Part-time
39-0000 Personal care and service				
Atlanta-Sandy Springs-Roswell, GA.....	—	5.4	—	8.0
Boston-Cambridge-Nashua, MA-NH.....	—	1.2	1.9	2.4
Chicago-Naperville-Elgin, IL-IN-WI.....	—	2.0	2.6	3.0
Dallas-Fort Worth-Arlington, TX.....	—	5.5	5.4	7.5
Detroit-Warren-Dearborn, MI.....	—	1.0	—	1.4
Houston-The Woodlands-Sugar Land, TX.....	—	5.5	5.3	7.5
Los Angeles-Long Beach-Anaheim, CA.....	4.0	0.8	1.8	1.2
Miami-Fort Lauderdale-West Palm Beach, FL.....	—	2.0	1.8	3.0
Minneapolis-St. Paul-Bloomington, MN-WI.....	—	1.2	2.1	1.8
New York-Newark-Jersey City, NY-NJ-PA.....	3.2	1.0	1.7	1.7
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	—	3.0	2.5	4.2
San Jose-Sunnyvale-Santa Clara, CA.....	—	1.9	2.8	2.7
Seattle-Tacoma-Bellevue, WA.....	—	3.2	3.1	4.0
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	—	2.0	—	3.3
41-0000 Sales and related				
Atlanta-Sandy Springs-Roswell, GA.....	—	1.9	2.1	7.7
Boston-Cambridge-Nashua, MA-NH.....	15.6	1.3	5.7	1.4
Chicago-Naperville-Elgin, IL-IN-WI.....	13.2	1.2	1.6	2.7
Dallas-Fort Worth-Arlington, TX.....	—	1.7	1.4	6.0
Detroit-Warren-Dearborn, MI.....	10.2	2.4	2.5	0.8
Houston-The Woodlands-Sugar Land, TX.....	—	1.8	2.0	4.2
Los Angeles-Long Beach-Anaheim, CA.....	—	0.9	2.6	1.9
Miami-Fort Lauderdale-West Palm Beach, FL.....	—	1.4	2.4	3.5
Minneapolis-St. Paul-Bloomington, MN-WI.....	—	1.4	2.5	0.7
New York-Newark-Jersey City, NY-NJ-PA.....	—	1.1	2.2	1.2
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	8.5	1.5	6.2	4.7
Phoenix-Mesa-Scottsdale, AZ.....	—	1.9	2.8	1.0
San Jose-Sunnyvale-Santa Clara, CA.....	—	1.6	1.7	1.6
Seattle-Tacoma-Bellevue, WA.....	4.9	1.7	2.6	1.7
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	5.8	1.6	2.2	1.8
43-0000 Office and administrative support				
Atlanta-Sandy Springs-Roswell, GA.....	—	3.0	2.7	8.3
Boston-Cambridge-Nashua, MA-NH.....	4.3	2.3	2.4	2.8
Chicago-Naperville-Elgin, IL-IN-WI.....	4.2	2.6	2.6	5.4
Dallas-Fort Worth-Arlington, TX.....	6.5	2.6	2.4	7.4
Detroit-Warren-Dearborn, MI.....	6.1	2.5	2.4	3.3
Houston-The Woodlands-Sugar Land, TX.....	3.9	2.8	2.5	8.4
Los Angeles-Long Beach-Anaheim, CA.....	3.2	2.3	2.3	2.8
Miami-Fort Lauderdale-West Palm Beach, FL.....	4.1	2.4	2.5	4.1
Minneapolis-St. Paul-Bloomington, MN-WI.....	3.8	2.3	2.4	4.7
New York-Newark-Jersey City, NY-NJ-PA.....	3.7	2.3	2.5	3.4
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	4.2	2.5	2.4	4.7
Phoenix-Mesa-Scottsdale, AZ.....	6.5	2.3	2.3	3.4
San Jose-Sunnyvale-Santa Clara, CA.....	3.8	2.6	2.6	7.4
Seattle-Tacoma-Bellevue, WA.....	3.5	2.4	2.3	4.3
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	4.3	2.6	2.5	5.4

See footnotes at end of table.

Relative standard errors (in percent) of average hourly wages for selected occupational groups and areas by job characteristic, civilian workers, 2019¹ — Continued

Selected occupational groups and areas	Job characteristic			
	Union	Nonunion	Full-time	Part-time
47-0000 Construction and extraction				
Atlanta-Sandy Springs-Roswell, GA.....	2.7	2.3	1.5	—
Boston-Cambridge-Nashua, MA-NH.....	1.8	2.1	1.2	—
Chicago-Naperville-Elgin, IL-IN-WI.....	0.7	—	0.7	—
Dallas-Fort Worth-Arlington, TX.....	5.7	0.7	0.8	—
Detroit-Warren-Dearborn, MI.....	1.1	2.1	0.7	—
Houston-The Woodlands-Sugar Land, TX.....	5.9	0.8	0.5	—
Los Angeles-Long Beach-Anaheim, CA.....	1.3	1.7	1.3	2.6
Miami-Fort Lauderdale-West Palm Beach, FL.....	—	1.0	0.9	—
Minneapolis-St. Paul-Bloomington, MN-WI.....	0.7	2.1	1.1	—
New York-Newark-Jersey City, NY-NJ-PA.....	1.6	2.4	0.8	—
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	1.9	1.7	1.4	—
Phoenix-Mesa-Scottsdale, AZ.....	3.8	1.2	1.2	—
San Jose-Sunnyvale-Santa Clara, CA.....	1.7	2.6	1.5	—
Seattle-Tacoma-Bellevue, WA.....	1.4	1.9	1.3	—
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	2.0	1.4	0.8	—
49-0000 Installation, maintenance, and repair				
Atlanta-Sandy Springs-Roswell, GA.....	3.3	1.0	0.6	—
Boston-Cambridge-Nashua, MA-NH.....	3.2	1.4	0.7	—
Chicago-Naperville-Elgin, IL-IN-WI.....	2.7	1.1	0.7	—
Dallas-Fort Worth-Arlington, TX.....	1.7	1.0	0.6	—
Detroit-Warren-Dearborn, MI.....	3.3	0.8	0.8	—
Houston-The Woodlands-Sugar Land, TX.....	3.3	1.6	0.7	—
Los Angeles-Long Beach-Anaheim, CA.....	2.0	1.2	1.2	3.5
Miami-Fort Lauderdale-West Palm Beach, FL.....	4.3	1.1	0.7	—
Minneapolis-St. Paul-Bloomington, MN-WI.....	2.5	1.2	1.3	—
New York-Newark-Jersey City, NY-NJ-PA.....	2.4	1.7	0.9	7.3
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	2.5	1.2	1.1	—
Phoenix-Mesa-Scottsdale, AZ.....	2.4	0.9	0.8	—
San Jose-Sunnyvale-Santa Clara, CA.....	3.0	1.9	1.3	8.5
Seattle-Tacoma-Bellevue, WA.....	1.9	1.7	1.1	—
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	2.6	1.1	1.4	—
51-0000 Production				
Atlanta-Sandy Springs-Roswell, GA.....	1.8	1.1	0.9	5.8
Boston-Cambridge-Nashua, MA-NH.....	2.6	0.7	0.6	2.8
Chicago-Naperville-Elgin, IL-IN-WI.....	2.6	0.8	0.6	2.3
Dallas-Fort Worth-Arlington, TX.....	2.7	1.1	0.7	6.3
Detroit-Warren-Dearborn, MI.....	1.6	0.9	0.6	1.6
Houston-The Woodlands-Sugar Land, TX.....	2.0	1.0	0.7	7.3
Los Angeles-Long Beach-Anaheim, CA.....	2.5	0.7	0.5	1.6
Miami-Fort Lauderdale-West Palm Beach, FL.....	—	1.1	0.9	—
Minneapolis-St. Paul-Bloomington, MN-WI.....	1.0	0.5	0.4	2.9
New York-Newark-Jersey City, NY-NJ-PA.....	4.7	1.3	0.5	2.7
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	3.2	0.9	0.6	6.2
Phoenix-Mesa-Scottsdale, AZ.....	3.2	0.8	0.7	—
San Jose-Sunnyvale-Santa Clara, CA.....	—	1.3	1.1	2.9
Seattle-Tacoma-Bellevue, WA.....	1.4	1.1	0.6	3.2
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	—	1.3	1.1	5.9

See footnotes at end of table.

Relative standard errors (in percent) of average hourly wages for selected occupational groups and areas by job characteristic, civilian workers, 2019¹ — Continued

Selected occupational groups and areas	Job characteristic			
	Union	Nonunion	Full-time	Part-time
53-0000 Transportation and material moving				
Atlanta-Sandy Springs-Roswell, GA.....	—	4.5	2.4	5.2
Boston-Cambridge-Nashua, MA-NH.....	5.1	2.0	2.2	2.3
Chicago-Naperville-Elgin, IL-IN-WI.....	—	2.4	—	3.7
Dallas-Fort Worth-Arlington, TX.....	6.2	2.9	2.5	6.0
Detroit-Warren-Dearborn, MI.....	3.9	1.9	2.2	2.2
Houston-The Woodlands-Sugar Land, TX.....	—	2.9	—	7.7
Los Angeles-Long Beach-Anaheim, CA.....	—	1.6	2.0	1.6
Miami-Fort Lauderdale-West Palm Beach, FL.....	—	3.0	2.0	4.3
Minneapolis-St. Paul-Bloomington, MN-WI.....	3.3	1.7	1.8	2.9
New York-Newark-Jersey City, NY-NJ-PA.....	3.2	2.0	2.2	2.5
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	4.5	2.9	2.3	4.5
Phoenix-Mesa-Scottsdale, AZ.....	5.4	1.7	1.7	2.4
San Jose-Sunnyvale-Santa Clara, CA.....	3.5	1.9	1.8	2.5
Seattle-Tacoma-Bellevue, WA.....	2.5	1.6	1.6	2.6
Washington-Arlington-Alexandria, DC-VA-MD-WV.....	5.1	2.4	2.2	3.1

¹ For definitions of terms, see the Frequently Asked Questions available at www.bls.gov/mwe/faq.htm.

Note: Dashes indicate that no data were reported or that data do not meet publication criteria. Additional occupational groups and areas are available at www.bls.gov/mwe.

Source: U.S. Bureau of Labor Statistics, Modeled Wage Estimates.