

# Table 1: Classification of Opportunity Occupations

Occupation	First-line Supervisors of Production and Operating Workers		Secretaries and Administrative Assistants, Except Legal, Medical and Executive	
	Youngstown	Columbus	Cleveland	Canton
MSA				
National annual median wage (OES)	\$35,540	\$35,540	\$35,540	\$35,540
Consumption price adjustment (RPP)	88.7	93.8	88.6	89.7
Opportunity occupation threshold wage	\$31,524	\$33,336	\$31,488	\$31,879
Hourly median wage (OES)	\$24.79	\$27.04	\$16.35	\$14.35
Median hours worked per week (OES)	40	40	40	40
Annual median wage	\$51,563	\$56,243	\$34,008	\$29,848
Entry-level education category (BLS)	Post-secondary non-degree award	Post-secondary non-degree award	High school diploma or equivalent	High school diploma or equivalent
Less than a bachelor's degree (O*NET)	76%	76%	97%	97%
Less than a bachelor's degree (BGT)	68%	46%	82%	84%
Source: Bureau of Labor Statistics, Bureau of Economic Analysis, Current Population Survey, O*NET, Burning Glass Technologies, and authors' calculations				

Table 2: Top 20 Most Common Occupations in Ohio\* for Workers without a Four-Year Degree

Occupation	Major Occupation Group	Total Employment	Annual median wage	
			MSA minimum	MSA maximum
Combined Food Preparation and Serving Workers, Including Fast Food	Food Preparation and Serving Related	132,600	\$15,907	\$16,107
Retail Salespersons	Sales and Related	131,320	\$19,198	\$20,862
Registered Nurses **	Healthcare Practitioners and Technical	110,140	\$55,557	\$65,270
Cashiers	Sales and Related	97,900	\$13,946	\$14,446
Laborers and Freight, Stock, and Material Movers, Hand	Transportation and Material Moving	88,390	\$22,506	\$24,877
Office Clerks, General	Office and Administrative Support	79,080	\$25,480	\$30,181
Waiters and Waitresses	Food Preparation and Serving Related	78,970	\$13,619	\$13,978
Customer Service Representatives	Office and Administrative Support	74,750	\$28,288	\$33,530
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	Building and Grounds Cleaning and Maintenance	71,010	\$21,154	\$22,714
Stock Clerks and Order Fillers	Office and Administrative Support	68,660	\$20,030	\$24,003
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive **	Office and Administrative Support	58,600	\$27,914	\$34,195
Nursing Assistants	Healthcare Support	55,240	\$21,986	\$25,189
Home Health Aides	Healthcare Support	53,260	\$18,512	\$21,632
Bookkeeping, Accounting, and Auditing Clerks **	Office and Administrative Support	52,710	\$31,325	\$39,166
Heavy and Tractor-Trailer Truck Drivers **	Transportation and Material Moving	50,860	\$35,838	\$44,845
Maintenance and Repair Workers, General **	Installation, Maintenance, and Repair	40,990	\$32,573	\$39,811
Team Assemblers	Production	38,550	\$25,043	\$33,259
First-Line Supervisors of Office and Administrative Support Workers **	Office and Administrative Support	37,980	\$43,181	\$50,731
Cooks, Restaurant	Food Preparation and Serving Related	36,390	\$18,682	\$21,068
First-Line Supervisors of Retail Sales Workers **	Sales and Related	34,470	\$33,259	\$36,795
<b>* Aggregate of 8 largest MSAs in Ohio</b>				
<b>** Generally considered to be an opportunity occupation in Ohio</b>				
Source: Bureau of Labor Statistics, 2014				

# Table 3: The Most Common Opportunity Occupations in Ohio \*

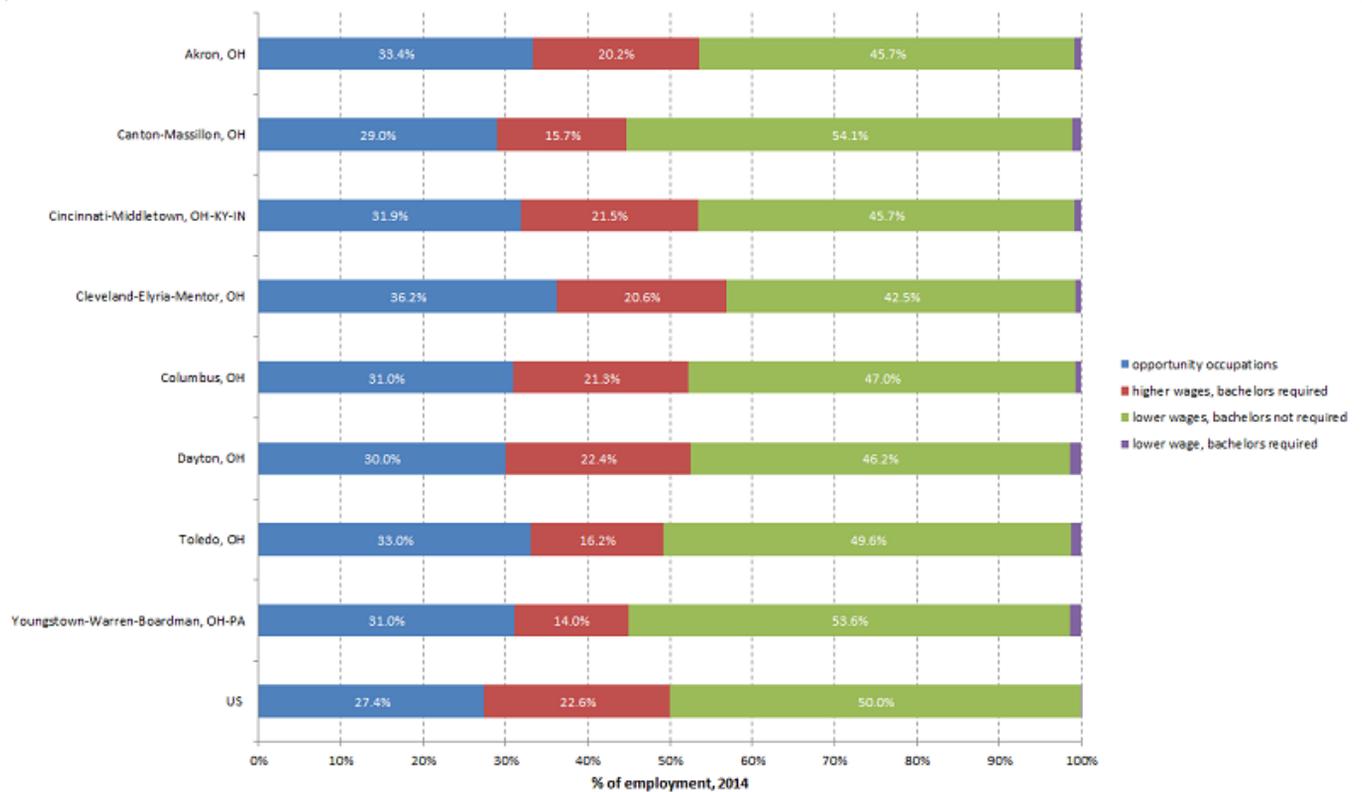
Employment	Occupation	Considered an Opportunity Occupation in
110,140	Registered Nurses	BLS, O*NET & BGT
55,300	General and Operations Managers	O*NET
50,940	Bookkeeping, Accounting, and Auditing Clerks	BLS, O*NET & BGT
50,860	Heavy and Tractor-Trailer Truck Drivers	BLS, O*NET & BGT
40,990	Maintenance and Repair Workers, General	BLS, O*NET & BGT
40,230	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	BLS, O*NET & BGT
37,980	First-Line Supervisors of Office and Administrative Support Workers	BLS & O*NET
34,470	First-Line Supervisors of Retail Sales Workers	BLS, O*NET & BGT
33,210	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	BLS
30,110	Licensed Practical and Licensed Vocational Nurses	BLS, O*NET & BGT
28,420	Sales Representatives, Services, All Other	BLS
25,430	Computer Systems Analysts	O*NET
24,840	Business Operations Specialists, All Other	BLS
24,250	Executive Secretaries and Executive Administrative Assistants	BLS, O*NET & BGT
21,300	Machinists	BLS, O*NET & BGT
20,590	First-Line Supervisors of Production and Operating Workers	BLS & O*NET
20,470	Construction Laborers	BLS, O*NET & BGT
19,560	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	O*NET
19,420	Inspectors, Testers, Sorters, Samplers, and Weighers	BLS, O*NET & BGT
19,020	Police and Sheriff's Patrol Officers	BLS, O*NET & BGT
17,680	Automotive Service Technicians and Mechanics	BLS, O*NET & BGT
17,150	Electricians	BLS, O*NET & BGT
16,120	Billing and Posting Clerks	BLS, O*NET & BGT
15,710	Human Resources Specialists	O*NET
15,100	Computer User Support Specialists	BLS & O*NET
14,960	Firefighters	BLS, O*NET & BGT
14,940	Carpenters	BLS, O*NET & BGT
13,360	Customer Service Representatives	BLS, O*NET & BGT
13,120	First-Line Supervisors of Mechanics, Installers, and Repairers	BLS, O*NET & BGT
12,400	Industrial Machinery Mechanics	BLS, O*NET & BGT
* Aggregate of 8 largest MSAs in Ohio		
Sources: Bureau of Labor Statistics, Bureau of Economic Analysis, O*NET, Burning Glass Technologies, and authors' calculations		

Suggested citation: Fee, Kyle, and Lisa Nelson. "[Opportunity Occupations in Ohio: Identification, Online Postings, and Employer Education Preferences.](#)" *Federal Reserve Bank of Cleveland, A Look Behind the Numbers: Vol. 7, Issue 1.* January 22, 2016

## Table 4: Share of Employment Considered to be an Opportunity Occupation by MSA

MSA	BLS	O*NET
Akron, OH	33.6%	33.4%
Canton-Massillon, OH	29.1%	28.9%
Cincinnati-Middletown, OH-KY-IN	31.4%	31.9%
Cleveland-Elyria-Mentor, OH	36.1%	36.2%
Columbus, OH	29.5%	31.0%
Dayton, OH	30.1%	30.0%
Toledo, OH	33.1%	33.0%
Youngstown-Warren-Boardman, OH-PA	30.9%	31.1%
Nation	27.4%	27.4%
Sources: Bureau of Labor Statistics, Bureau of Economic Analysis, O*NET, and authors' calculations		

# Chart 1: Employment Distribution by Education and Wages



Sources: Bureau of Labor Statistics, Bureau of Economic Analysis, O\*NET, and authors' calculations

## Table 5: Opportunity Occupation Classification by MSA

Occupation	# of Ohio MSAs	MSA not found in
Registered Nurses	8	
General and Operations Managers	8	
Bookkeeping, Accounting, and Auditing Clerks	7	Canton
Heavy and Tractor-Trailer Truck Drivers	8	
Maintenance and Repair Workers, General	8	
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	5	Canton, Cincinnati, Youngstown
First-Line Supervisors of Office and Administrative Support Workers	8	
First-Line Supervisors of Retail Sales Workers	8	
Licensed Practical and Licensed Vocational Nurses	8	
Computer Systems Analysts	8	
Executive Secretaries and Executive Administrative Assistants	8	
Machinists	8	
First-Line Supervisors of Production and Operating Workers	8	
Construction Laborers	7	Canton
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	8	
Inspectors, Testers, Sorters, Samplers, and Weighers	7	Toledo
Police and Sheriff's Patrol Officers	8	
Automotive Service Technicians and Mechanics	6	Canton, Dayton
Electricians	8	
Billing and Posting Clerks	6	Akron, Canton, Youngstown
Human Resources Specialists	8	
Computer User Support Specialists	8	
Firefighters	8	
Carpenters	8	
Customer Service Representatives	1	Akron, Canton, Cincinnati, Columbus, Dayton, Toledo, Youngstown
First-Line Supervisors of Mechanics, Installers, and Repairers	8	
Industrial Machinery Mechanics	8	

Source: Bureau of Labor Statistics, Bureau of Economic Analysis, O\*NET, and authors' calculations

## Table 6: Cost of Living, Local Wage Threshold, and Annual Median Wage

MSA	Regional Price Parity	Local Wage Threshold	Annual median wage
Akron, OH	88.6	\$31,488	\$34,610
Canton-Massillon, OH	89.7	\$31,879	\$30,270
Cincinnati-Middletown, OH-KY-IN	93.0	\$33,052	\$35,850
Cleveland-Elyria-Mentor, OH	88.6	\$31,488	\$36,300
Columbus, OH	93.8	\$33,337	\$35,980
Dayton, OH	91.9	\$32,661	\$34,620
Toledo, OH	89.9	\$31,950	\$32,940
Youngstown-Warren-Boardman, OH-PA	88.7	\$31,524	\$29,870
<b>Sources: Bureau of Labor Statistics, Bureau of Economic Analysis, and authors' calculations</b>			