

# **Ohio Economic Profile**

## **Cuyahoga County**

*Ohio Department of Job and Family Services  
Office of Workforce Development*

**July 2021**

## 1. Employment Percent by Industry

The table below shows how jobs are distributed throughout the county by industry. The higher the percentage, the more workers there are in the industry. Multiple years are shown to demonstrate how employment in the industries may have shifted over time. However, percent change across years does not necessarily indicate growth or decline in employment by industry.

### 1a. Employment Percent by Industry

Industry Name	Percent Annual Employment in Industry		
	2004	2010	2019
Health Care and Social Assistance	15.9%	19.7%	20.2%
Manufacturing	12.4%	10.5%	9.6%
Retail Trade	10.0%	9.1%	8.2%
Accommodation and Food Services	6.3%	6.8%	7.2%
Professional, Scientific, and Technical Services	6.2%	6.6%	7.0%
Educational Services	7.6%	8.0%	6.9%
Administrative and Support Services	5.6%	5.1%	6.3%
Finance and Insurance	7.7%	6.3%	6.3%
Wholesale Trade	5.9%	5.8%	5.4%
Transportation and Warehousing	3.7%	3.6%	3.8%
Management of Companies and Enterprises	1.9%	2.7%	3.7%
Construction	3.3%	2.7%	3.1%
Public Administration	3.6%	3.5%	3.1%
Other Services (except Public Administration)	3.1%	3.0%	3.0%
Information	2.9%	2.5%	2.0%
Arts, Entertainment, and Recreation	1.6%	1.6%	1.9%
Real Estate and Rental and Leasing	1.9%	1.8%	1.8%
Utilities	0.5%	0.5%	0.5%
Mining, Quarrying, and Oil and Gas Extraction	0.1%	0.0%	0.1%
Agriculture, Forestry, Fishing and Hunting	0.1%	0.0%	0.0%

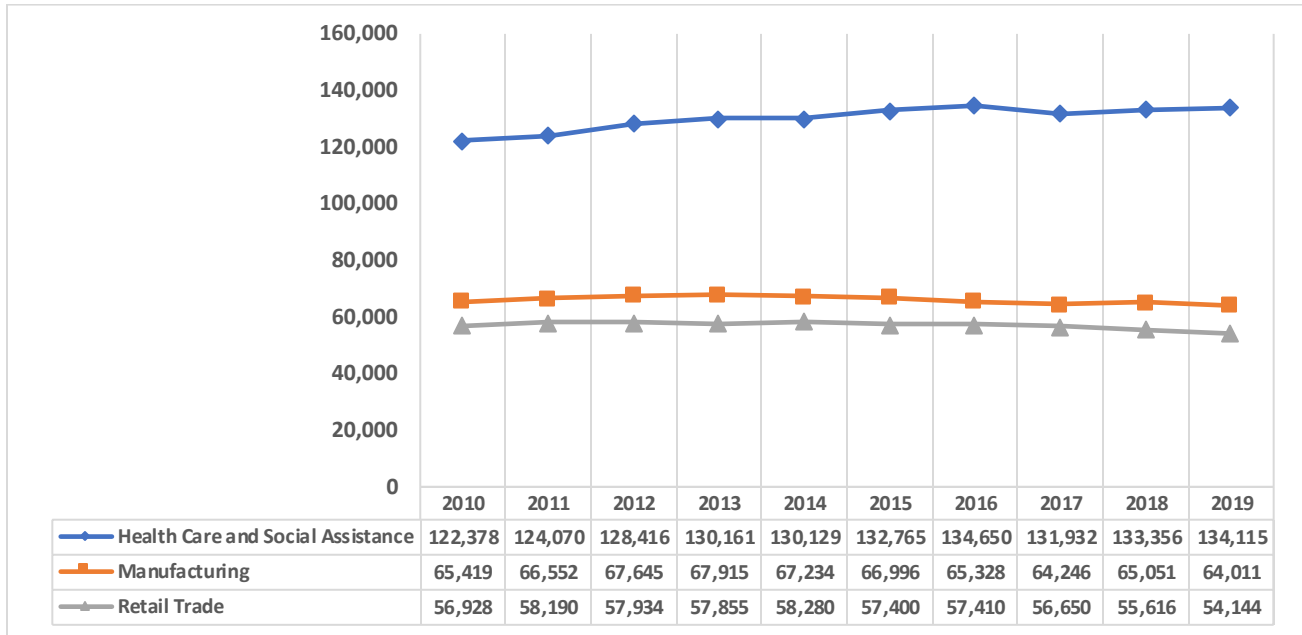
Source: U.S. Census Bureau, Quarterly Workforce Indicators, excludes federal government.

\*Data non-disclosable as it does not meet U.S. Census Bureau publication standards. Columns may not sum to 100 percent due to both U.S. Census Bureau methodology and the effects of rounding. The difference between summed percentages (<100%) and 100 is not the employment share of the non-disclosed industry.

## 2. Employment, Wage and Firm Size Trends

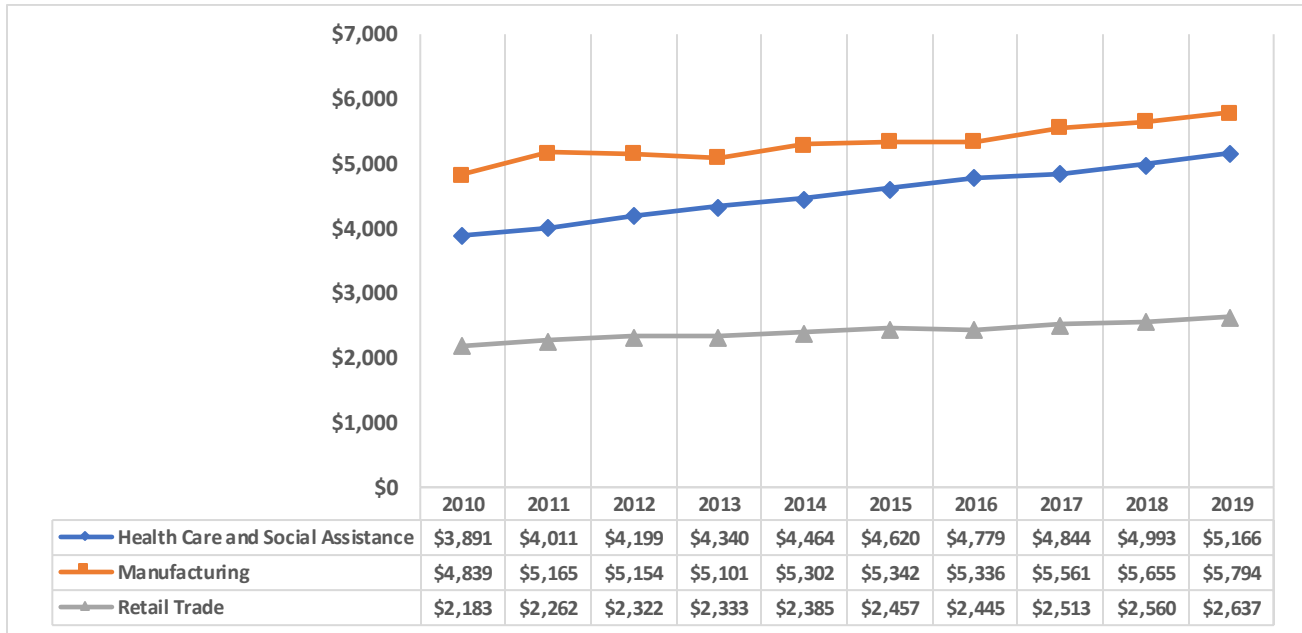
The next series of tables and graphs provide more information on the top 3 industry shares of county employment for the most recent year identified in the previous chart. Detailed information includes annual employment and wage trends for the three sectors. Employment and wage trends show fluctuations and indicate growth or decline over the years.

2a. Employment Trends—Health Care and Social Assistance, Manufacturing, and Retail Trade



Source: U.S. Census Bureau, Quarterly Workforce Indicators, excludes federal government.

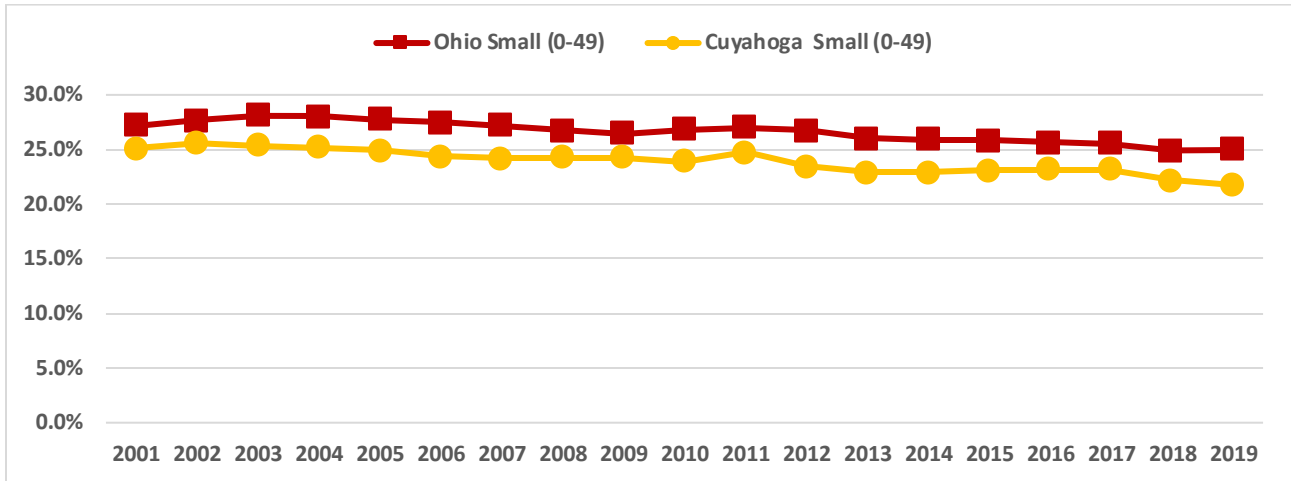
2b. Wage Trends – Health Care and Social Assistance, Manufacturing, and Retail Trade



Source: U.S. Census Bureau, Quarterly Workforce Indicators, excludes federal government.

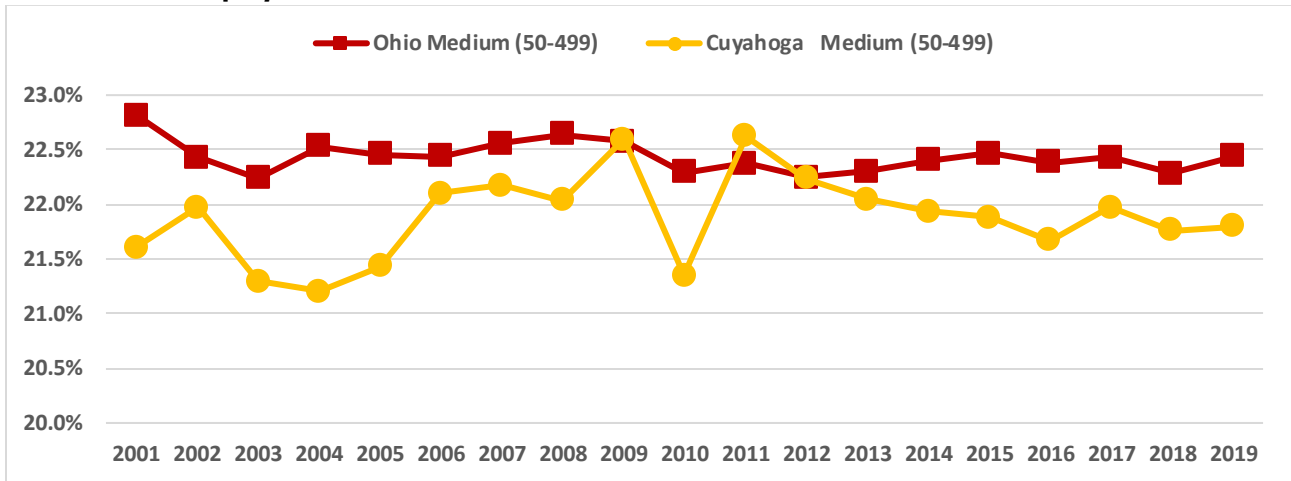
The following three charts compare the percentage of employment in firm size between the county and Ohio. Tables comparing firms with 0-49 employees (small firms), 50-499 employees (medium firms), and 500+ employees (large firms) are shown. When a large firm dominates an area, downturns in that industry will have a greater impact on a county than when employment is dispersed among many small or mid-size firms.

2c. Percent of Employment in Small Firms



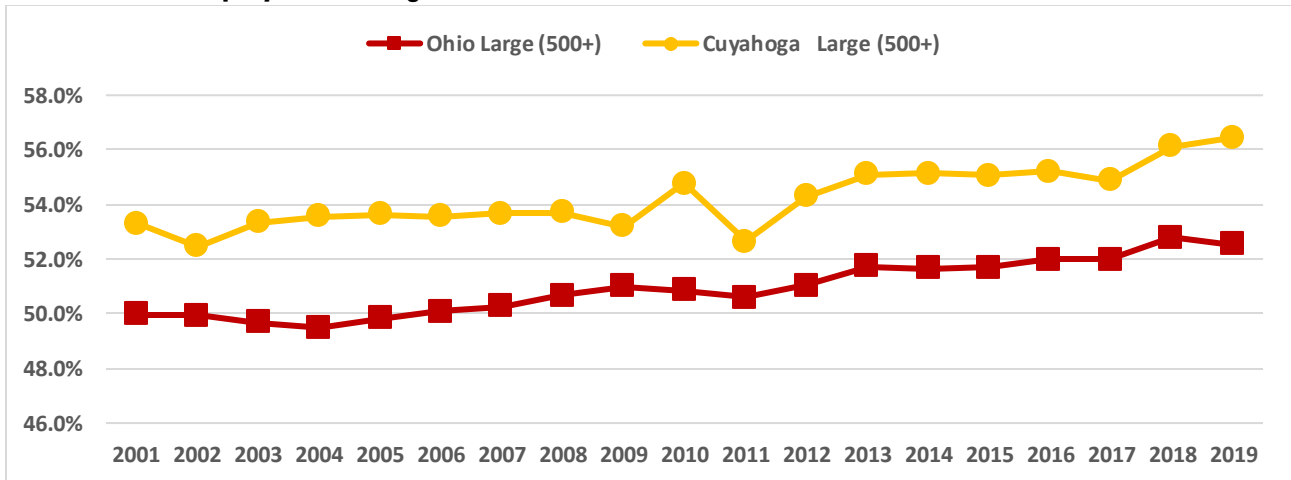
Source: U.S. Census Bureau, Quarterly Workforce Indicators, private ownership only.

2d. Percent of Employment in Medium Firms



Source: U.S. Census Bureau, Quarterly Workforce Indicators, private ownership only.

2e. Percent of Employment in Large Firms



Source: U.S. Census Bureau, Quarterly Workforce Indicators, private ownership only.

### 3. Online Job Postings

The following section provides a count of online job advertisements for the county. It is a snapshot of one aspect of the labor market and provides a look at labor demand by industry within the county.

#### 3a. Online Job Postings by Industry, 1/1/2020 – 12/31/2020

Industry	Ads
Health Care and Social Assistance	34,560
Retail Trade	15,235
Finance and Insurance	10,411
Real Estate and Rental and Leasing	8,016
Professional, Scientific, and Technical Services	7,917
Manufacturing	7,863
Accommodation and Food Services	7,200
Administrative and Support and Waste Management and Remediation Services	4,768
Transportation and Warehousing	4,595
Wholesale Trade	3,670
Other Services (except Public Administration)	3,443
Information	2,872
Educational Services	1,957
Public Administration	1,652
Arts, Entertainment, and Recreation	1,642
Construction	1,020
Management of Companies and Enterprises	206
Utilities	163
<b>Total</b>	<b>117,190</b>

Source: TalentNeuron, 2021. Job advertisements counted are those posted in OhioMeansJobs.com, Monster, Indeed, LinkedIn, Career Builder, online newspapers and many others. The use of TalentNeuron reflects a change in methodology used in previous reports and data should not be compared to earlier reports.

\*Excludes job advertisements in unclassified establishments (NAICS 999999) and establishments for which industry was unavailable.

#### 3b. Top Occupations with the Most Area Online Job Ads, 1/1/2020 – 12/31/2020

Occupations	Ads
Registered Nurses	9,987
Stock Clerks- Stockroom, Warehouse, or Storage Yard	7,758
Heavy and Tractor-Trailer Truck Drivers	5,005
Software Developers, Applications	4,284
Retail Salespersons	3,862
Laborers and Freight, Stock, and Material Movers, Hand	3,849
First-Line Supervisors of Retail Sales Workers	3,583
Customer Service Representatives	3,524
Physicians and Surgeons, All Other	3,034
Medical and Health Services Managers	2,314

Source: TalentNeuron, 2021.

**3c. Top Employers with the Most Area Online Job Ads, 1/1/2020 – 12/31/2020**

Employer	Ads
Cleveland Clinic	22,645
Amazon	10,690
Oracle	6,196
University Hospitals	5,202
KeyBank	2,939
Anthem, Inc.	2,142
CLE	1,350
Children's Hospital	1,346
Sherwin-Williams	1,328
Giant Eagle	1,322

Source: TalentNeuron, 2021.

**3d. Top Certifications for Online Job Ads, 1/1/2020 – 12/31/2020**

Certifications	Ads
Driver's License	15,546
Certified Registered Nurse	10,273
Basic Life Support	10,057
Certification in Cardiopulmonary Resuscitation	5,339
Commercial Driver's License	5,292
Board Certified	4,672
Advanced Cardiac Life Support	4,421
Class A Commercial Driver's License	4,088
Security clearance	3,352
Occupational Safety & Health Administration Certification	2,785

Source: TalentNeuron, 2021.

**3e. Top Skills for Online Job Ads, 1/1/2020 – 12/31/2020**

Skills	Ads
Operations	39,158
Testing	35,496
Analysis	32,859
Innovation	27,622
Nursing	21,595
Implementing	15,852
Microsoft Office	14,041
Databases	12,020
Best practices	10,872
Shipping	10,190

Source: TalentNeuron, 2021.

#### 4. Industry Turnover Rates

The following table looks at industry turnover rates for Ohio and by county. Turnover rates are calculated from stable employment (employment that lasted one calendar quarter with the same employer) and are an indicator of job churn. Industries with high churn will have more openings to replace workers than industries with low churn. It should be noted that this calculation does not include short-term employment that lasts less than a full quarter.

##### 4a. Industry Turnover Rates, Statewide and County

Industry	Ohio				Cuyahoga County			
	2019Q1	2019Q2	2019Q3	2019Q4	2019Q1	2019Q2	2019Q3	2019Q4
All NAICS Sectors	8.6%	8.1%	9.1%	10.2%	8.3%	7.7%	8.7%	10.3%
Health Care and Social Assistance	7.6%	7.9%	7.8%	9.3%	6.9%	7.0%	7.2%	8.3%
Manufacturing	5.6%	5.4%	5.3%	6.0%	5.2%	4.9%	4.8%	5.6%
Retail Trade	11.1%	9.6%	10.5%	11.9%	11.3%	9.6%	10.3%	12.6%
Accommodation and Food Services	16.5%	16.3%	17.3%	22.5%	15.7%	15.7%	16.7%	25.5%
Professional, Scientific, and Technical Services	7.7%	7.2%	7.5%	7.6%	6.6%	6.4%	7.3%	6.8%
Educational Services	6.9%	4.7%	3.3%	7.9%	6.5%	5.4%	3.3%	9.9%
Administrative and Support Services	17.2%	16.3%	20.0%	19.2%	16.4%	15.9%	19.1%	18.9%
Finance and Insurance	4.7%	4.6%	5.0%	4.9%	4.5%	4.4%	4.8%	5.0%
Wholesale Trade	6.1%	6.1%	6.4%	6.6%	5.6%	5.9%	6.2%	6.4%
Transportation and Warehousing	9.4%	7.8%	9.6%	10.8%	12.0%	6.5%	10.4%	11.3%
Management of Companies and Enterprises	5.5%	5.5%	5.7%	5.6%	4.8%	4.9%	5.2%	4.8%
Construction	7.8%	8.4%	14.6%	10.1%	8.1%	7.6%	14.9%	10.4%
Public Administration	3.5%	4.0%	5.3%	4.5%	3.5%	3.5%	5.4%	5.3%
Other Services (except Public Administration)	8.8%	8.8%	9.5%	13.1%	9.0%	7.9%	8.7%	12.6%
Information	6.5%	6.4%	7.1%	8.2%	6.0%	6.1%	6.4%	7.5%
Arts, Entertainment, and Recreation	11.7%	11.8%	24.1%	19.2%	11.7%	10.2%	15.9%	21.3%
Real Estate and Rental and Leasing	8.1%	8.3%	10.1%	9.7%	7.8%	7.5%	8.4%	9.3%
Utilities	3.2%	3.3%	3.6%	3.5%	3.3%	2.9%	3.2%	3.5%
Mining, Quarrying, and Oil and Gas Extraction	8.6%	8.7%	10.3%	8.7%	5.1%	6.0%	8.4%	7.1%
Agriculture, Forestry, Fishing and Hunting	9.1%	10.7%	16.9%	8.6%	6.9%	16.2%	21.4%	10.5%

Source: U.S. Census Bureau, Quarterly Workforce Indicators, All ownerships, except federal government.

\*Data non-disclosable as it does not meet U.S. Census Bureau publication standards.

## 5. High School Enrollment

The table below shows annual enrollment trends for high school seniors for public, private and charter schools by fiscal year, where FY 1 represents the school year 2018-2019. Enrollment is the count of students in October of the school year. School enrollment is important as it has implications for the workforce as well as the county's capacity to accommodate its students. Enrollment changes can be affected by boundary changes or redistricting. Also presented in the table is information regarding the number of OhioMeansJobs.com K-12 accounts that migrated to regular OMJ accounts.

### 5a. Number of High School Seniors

Fiscal Year	Number of 12th Graders*				OMJ K-12 Accts Migrate to Regular Acct***
	Public	Private	Charter	Total**	
2015	10,805	2,363	947	14,115	
2016	10,747	2,407	983	14,137	1,855
2017	10,523	2,492	1,049	14,064	2,929
2018	10,690	2,472	1,048	14,210	2,976
2019	10,624	2,368	992	13,984	4,252
2020	10,329	2,449	996	13,774	3,661

\*Source: Ohio Department of Education. All data that represents <10 students is masked to ensure student privacy.

\*\*Does not include <10 estimate.

\*\*\*Source: Monster Government Solutions.

## 6. Local Area Talent Report

The next set of tables highlight resumes or talent in the local area. This data provides useful information on the workforce in the local area and presents a snapshot of skills and educational levels. The local reports are created using the Monster.com Talent Dashboard tool and are based on activity or logging into OhioMeansJobs.com or Monster.com in the previous three years. The workforce skills table is organized in ascending order and starts with the skill reported least often and ends with the most reported skill.

### Resume Snapshot (April 2021)

There were 1.5 million total resumes in OhioMeansJobs.com of Ohioans and others willing to relocate to Ohio. Resume counts for the county, veterans and restored citizens are shown below. Note: resumes for restored citizens are for individuals incarcerated in the Ohio Department of Rehabilitation and Correction who had an active resume and a release date in 2021.

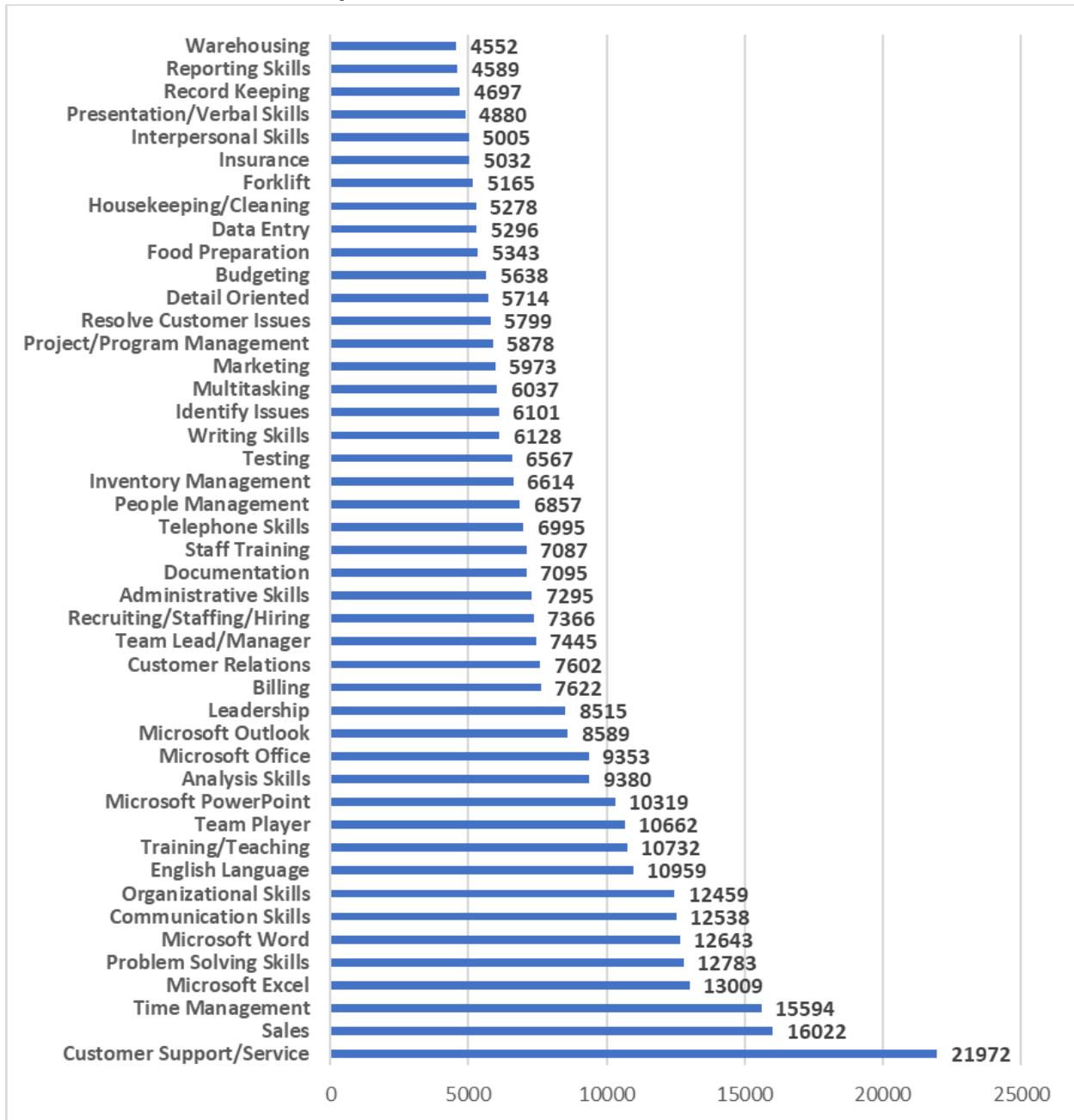
County	Total Resumes	Total Veteran Resumes	Total Restored Citizen Resumes	Total Individuals with a Disability Resumes
Cuyahoga	132,932	6,042	37	280

Source: Monster.com and Monster Government Solutions.

\*County was determined based on home/returning address provided by incarcerated individuals.

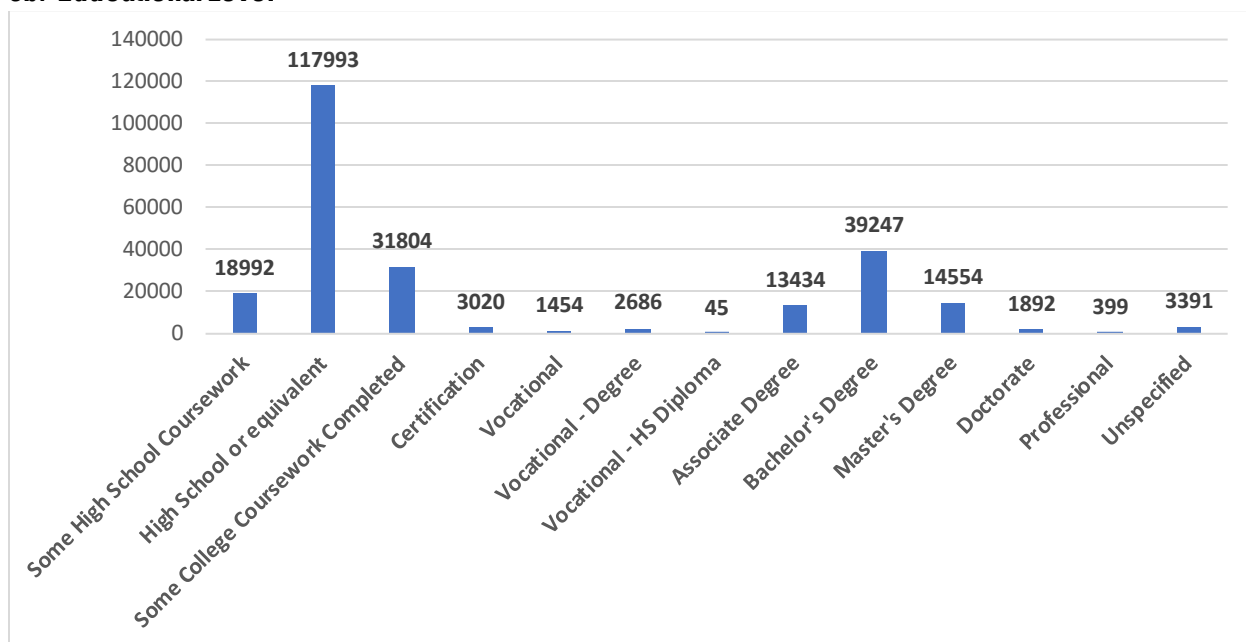


6a. Number of Resumes with Top 45 Workforce Skills



Source: Monster Government Solutions, April 2021.

## 6b. Educational Level



Source: Monster Government Solutions, April 2021. See "Quick Guide to Understanding the County Economic Health Reports" for description of educational categories.

## 7. Educational Attainment

The following table shows the distribution of educational attainment by age group for county residents. Educational attainment refers to the highest level of education completed.

### 7a. Educational Attainment by Age Group

Age categories	Less than 9th grade	9th to 12th grade, no diploma	High school graduate (includes equivalency)	Some college, no degree	Associate's degree	Bachelor's degree	Graduate or professional degree	Total
18 to 24 years	1,096	14,491	34,515	40,463	3,959	15,083	1,456	111,063
25 to 34 years	2,640	10,546	39,080	40,309	13,253	43,058	23,721	172,607
35 to 44 years	2,907	9,581	31,964	30,772	12,927	30,855	24,258	143,264
45 to 64 years	6,962	23,171	97,762	74,409	30,131	61,700	43,861	337,996
65 years and over	12,726	20,551	74,171	44,469	12,195	30,997	26,258	221,367

Source: American Community Survey, 5-year estimates, 2015-2019.

## 8. Veteran Employment at the Local Level

The following table represents a snapshot of veteran and nonveteran labor force population (i.e., estimate of the employed and those looking for work); the labor force participation rate (i.e., percent of the total population participating in the labor force); and the unemployment rate (i.e., percent of the labor force that is unemployed). Veterans are those who have ever served on active duty in the U.S. Armed Forces, Reserves, or National Guard.

**8a. County Veteran and Nonveteran Employment Estimates**

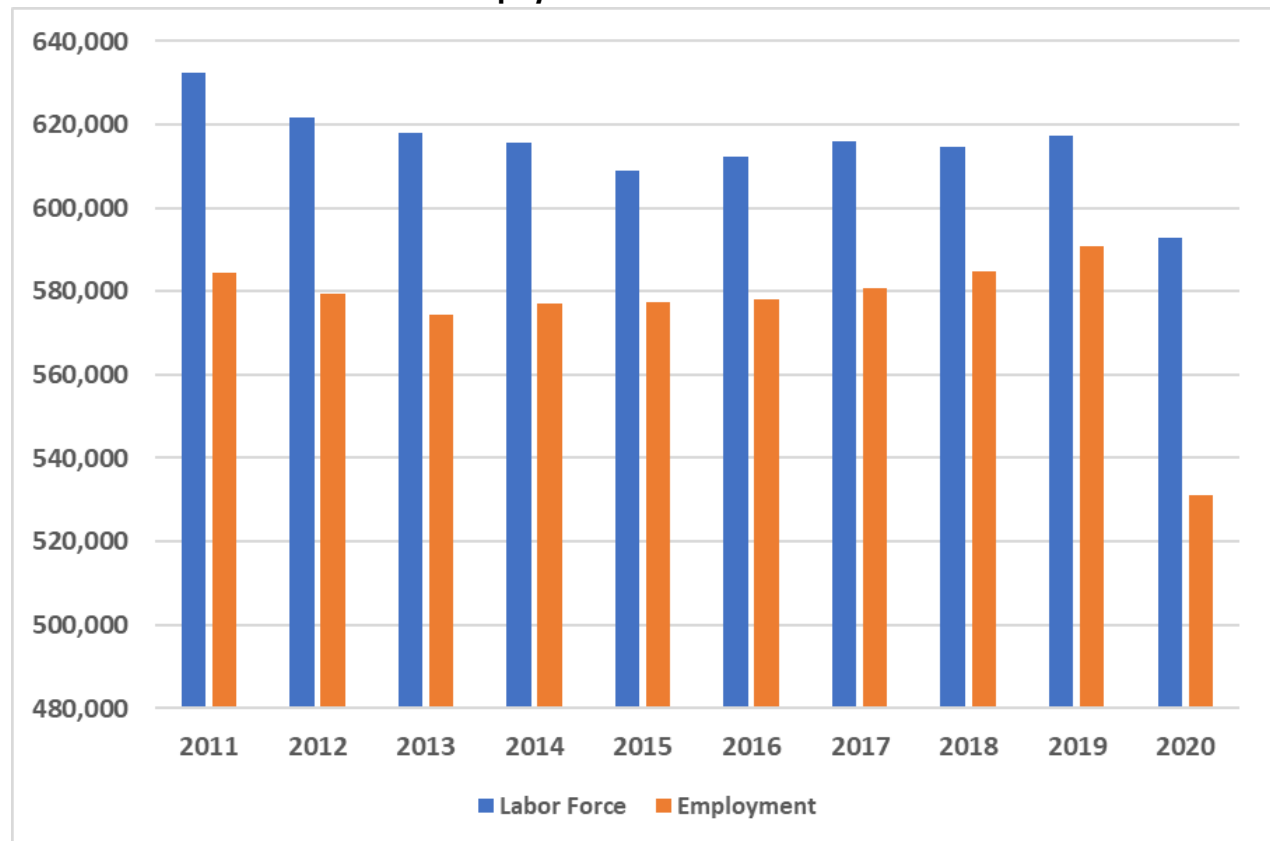
	<b>Nonveterans</b>	<b>Veterans</b>
Labor Force Population	591,877	21,304
Labor Force Population Rate	77.4%	73.5%
Unemployment Rate	7.4%	6.2%

Source: American Community Survey, 18-64-year-olds, 5-year estimates, 2015-2019.

**9. Civilian Labor Force and Commuting Patterns**

The next set of tables look at the civilian labor force and commuting patterns of workers in the county. The civilian labor force is the sum of the employed and unemployed. It is based on civilians 16 years of age and over who are working or seeking work. It excludes military personnel, persons in institutions, those studying or keeping house full-time, retirees, and volunteer workers. This is the available workforce, and used in conjunction with commuting patterns data, one can see where workers in the county live and work. Commuting information is based on all jobs held. Commuting trends data are also presented to see inflow and outflow trends of workers, including the top work counties for out-commuters and top home counties for in-commuters.

**9a. Civilian Labor Force and Number Employed**



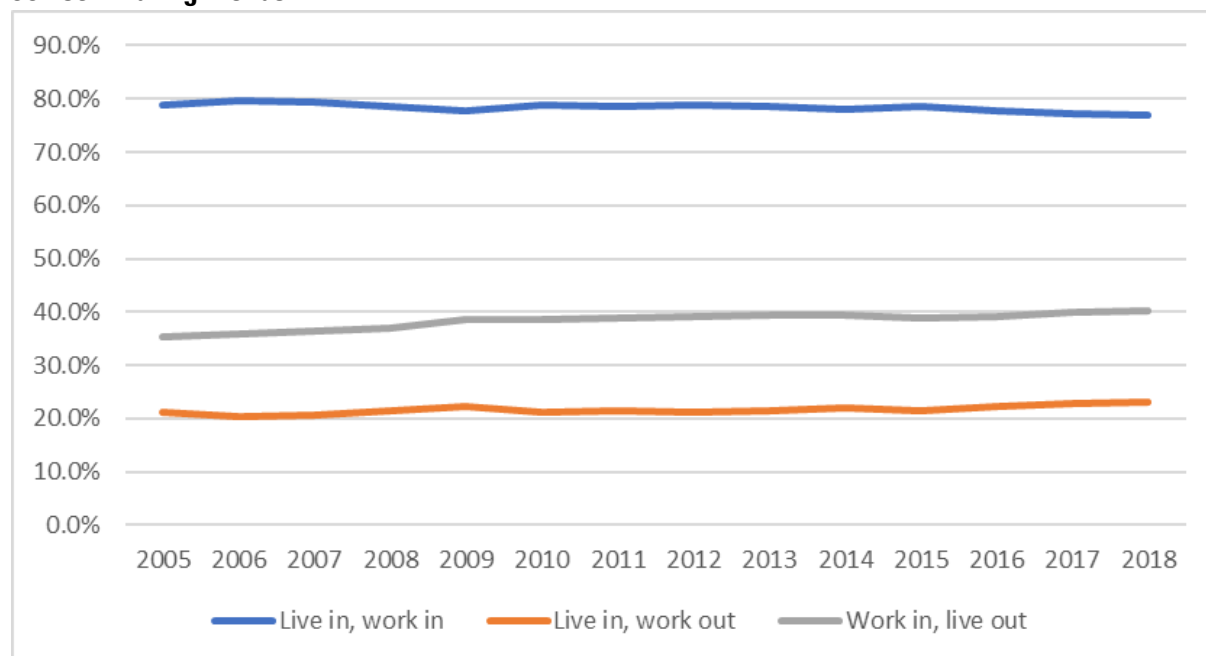
Source: U.S. Department of Labor, Bureau of Labor Statistics, Local Area Unemployment Statistics.

**9b. Commuting Patterns, 2005 – 2018**

	2005	2010	2018
# of workers who live and are employed here	482,885	426,613	451,188
# of workers who live here, but work in another county	130,578	113,928	135,216
# of workers who work here, but live in another county	262,477	267,659	302,105

Source: U.S. Census Bureau, OnTheMap. Includes all jobs, 2<sup>nd</sup> quarter only.

**9c. Commuting Trends**



Source: U.S. Census Bureau, OnTheMap. Includes all jobs, 2<sup>nd</sup> quarter only.

**9d. Commuting Trends for Out-Commuters – Live in County, but Work in Another County, 2018**

Top Work Counties for Out-Commuters	
Summit County, OH	27,909
Lake County, OH	17,596
Lorain County, OH	16,461
Franklin County, OH	10,971
Medina County, OH	8,519
Geauga County, OH	5,001
Portage County, OH	4,615
Stark County, OH	4,309
Hamilton County, OH	4,142
Lucas County, OH	3,242

Source: U.S. Census Bureau, OnTheMap. Includes all jobs, 2<sup>nd</sup> quarter only.

**9e. Commuting Trends for In-Commuters – Work in County, but Live in Another County, 2018**

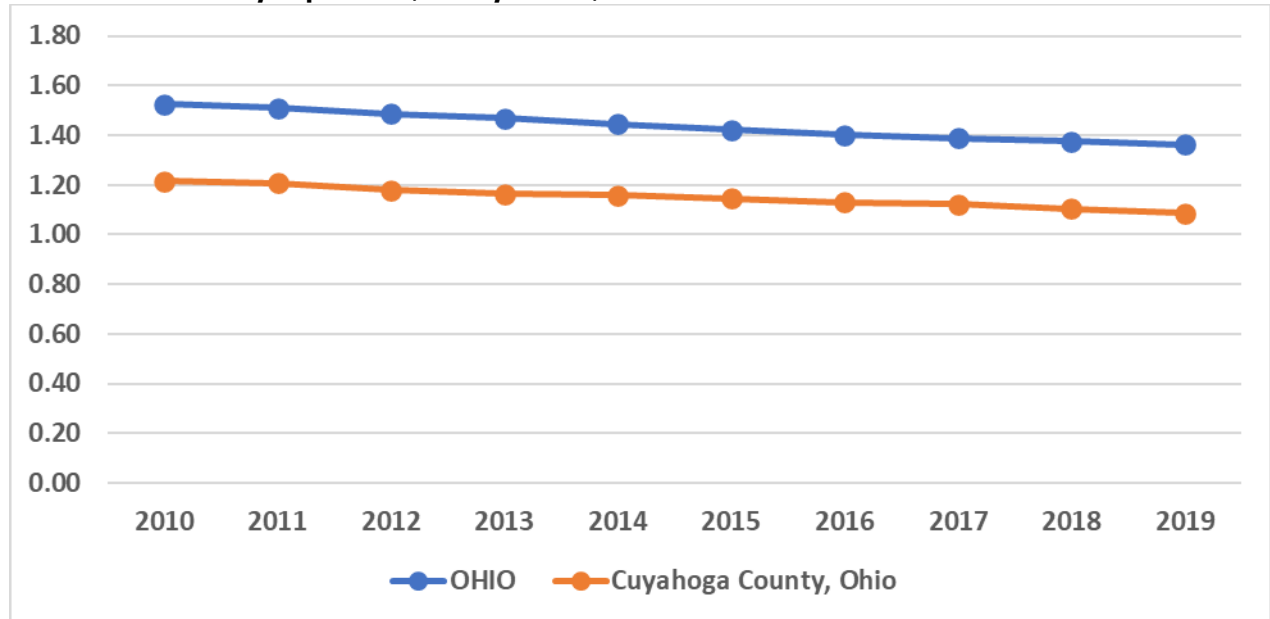
Top Home Counties for In-Commuters	
Lorain County, OH	52,871
Summit County, OH	49,528
Lake County, OH	43,629
Medina County, OH	30,416
Geauga County, OH	17,690
Portage County, OH	14,603
Franklin County, OH	12,849
Stark County, OH	8,820
Mahoning County, OH	5,230
Trumbull County, OH	4,865

Source: U.S. Census Bureau, OnTheMap. Includes all jobs, 2<sup>nd</sup> quarter only.

**10. Area Population to Jobs**

The graph below and map on the next page look at the population to jobs ratio. The prime working-age population consists of those ages 18 to 64. However, not everyone in the working-age population is employed – they may be going to school, caring for children or others, or retired. As the population-to-jobs ratio increases, there are more workers living in the county than there are jobs, meaning there will be more competition for jobs in that county. Workers in high-ratio counties may be more likely to commute to other counties for work. A lower population-to-jobs ratio would indicate the county could have a higher ratio of in-commuters. This will be rare, but a population-to-jobs ratio less than one would indicate there are more jobs than workers. The graph below compares the county population to jobs ratio to the statewide ratio. The map shows population to jobs ratio for all counties.

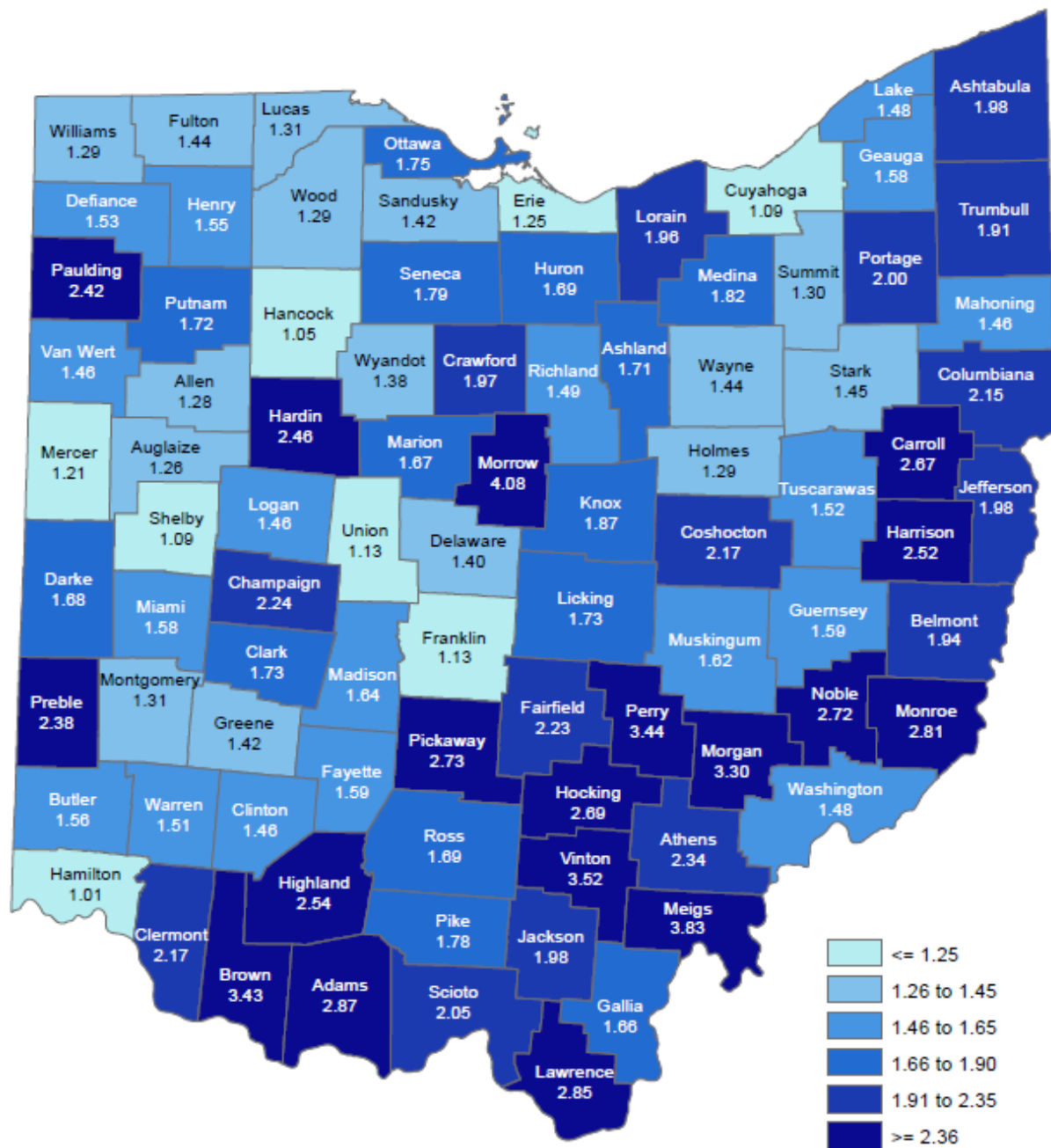
**10a. Ohio and County Population (18-64-year-old)\* to Jobs\*\* Ratio, 2019**



\*Source: U.S. Census Bureau.

\*\*Source: U.S. Department of Labor, Bureau of Labor Statistics, Quarterly Census of Employment and Wages.

10b. Ohio County Population\* (18-64-year-old) to Jobs\*\* Ratio Map, 2019



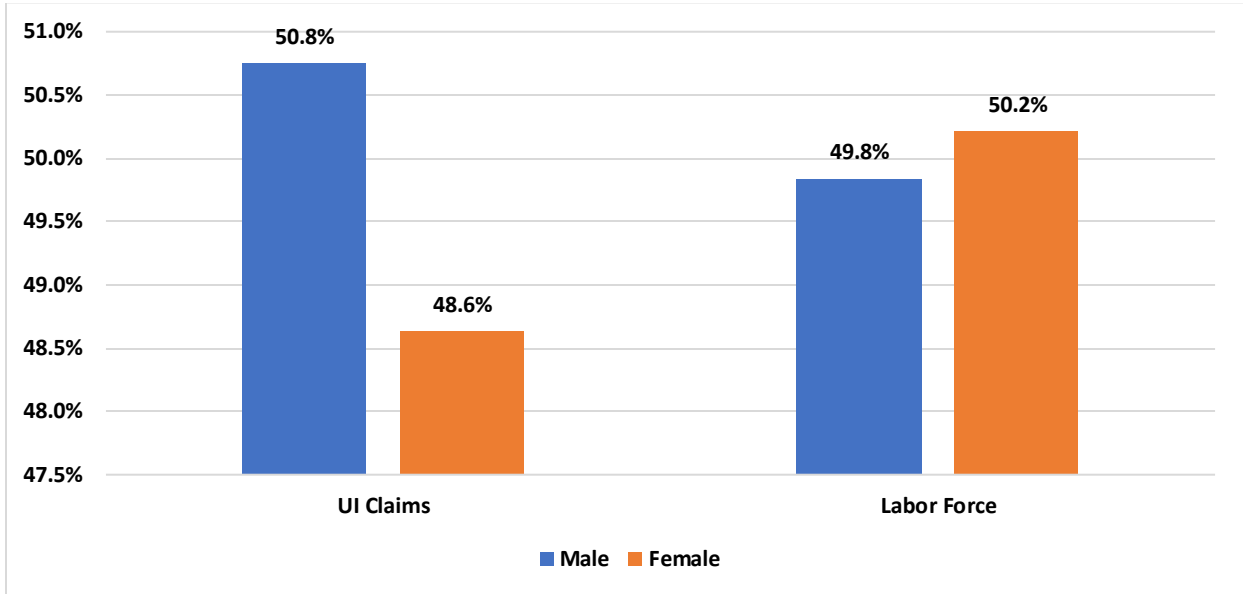
\*Source: U.S. Census Bureau.

\*\*Source: U.S. Department of Labor, Bureau of Labor Statistics, Quarterly Census of Employment and Wages.

11. Profile of UI Claims

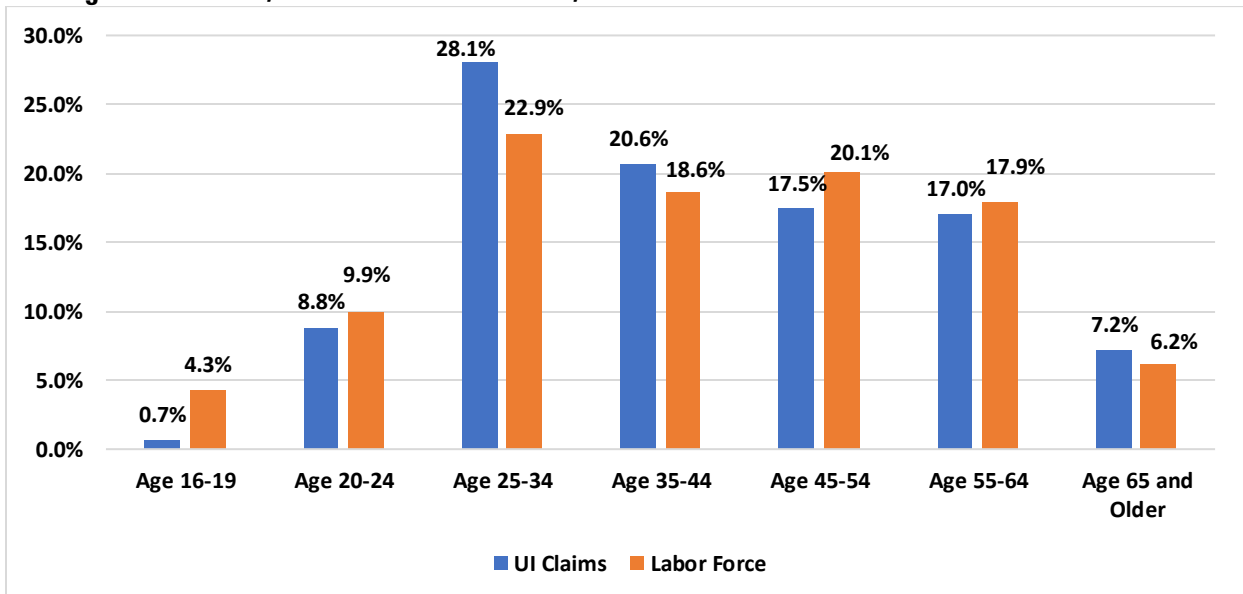
The next set of charts compares demographic characteristics of unemployment insurance claimants and people in the labor force for the county. These graphs can show if some segments of the labor force are filing higher proportions of claims. However, certain industries with seasonal work patterns and/or typical shut down periods, such as construction and manufacturing will have higher proportion of men than women. Differences between the labor force and UI claimants can be used to target intervention and training programs.

11a. Gender, UI Claims vs Labor Force, 2020



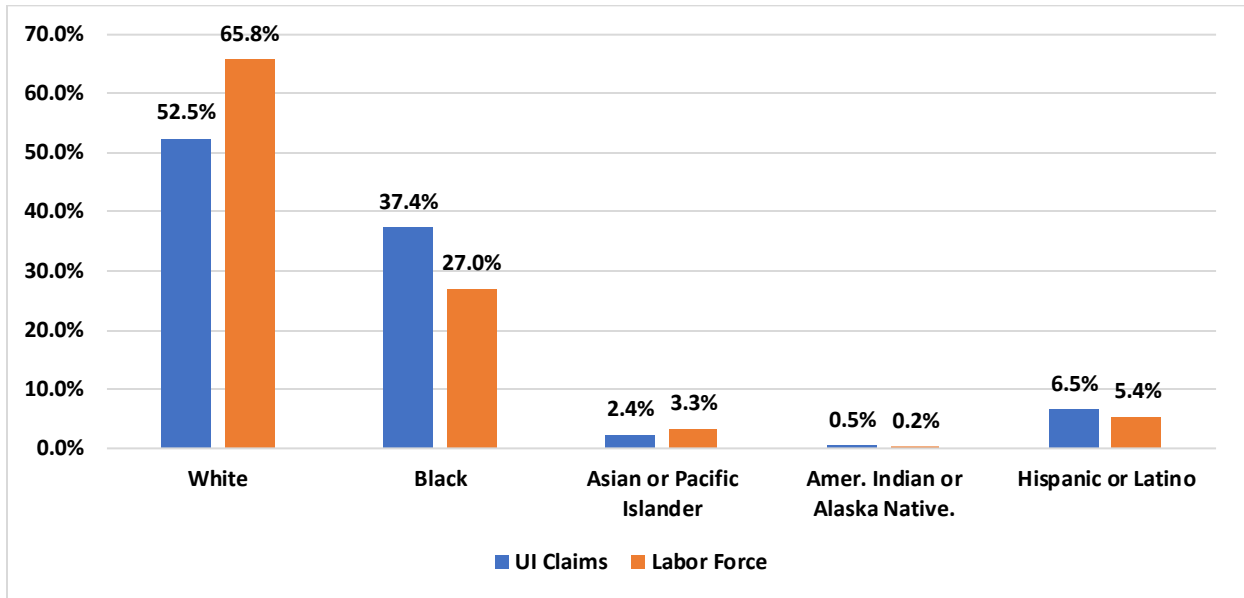
Source: Ohio Bureau of Labor Market Information.

11b. Age Distribution, UI Claims vs Labor Force, 2020



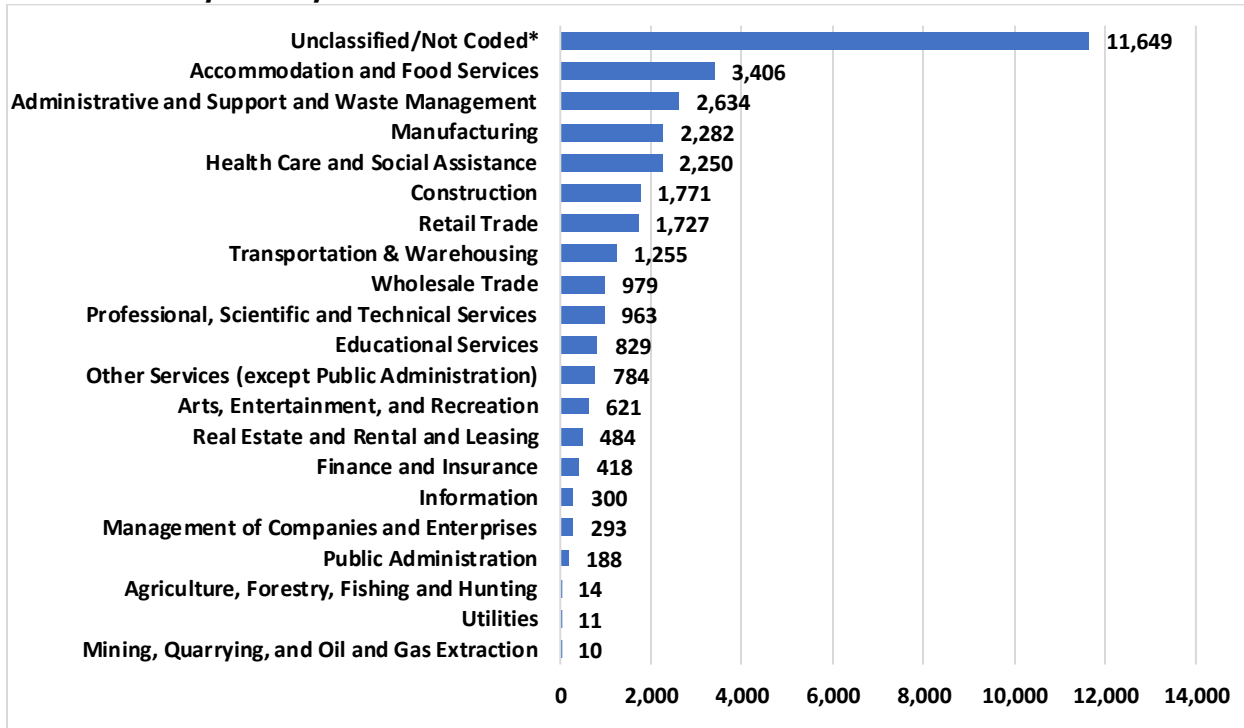
Source: Ohio Bureau of Labor Market Information.

11c. Race, UI Claims vs Labor Force, 2020



Source: Ohio Bureau of Labor Market Information.

11d. UI Claims by Industry, 2020



Source: Ohio Bureau of Labor Market Information.

\*Unclassified/Not Coded industries coded as NAICS '999999' or claims with an unspecified employer.



Ohio Dept. of Job and Family Services  
Office of Workforce Development  
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## **Bureau of Labor Market Information Business Principles for Workforce Development**

- Partner with the workforce and economic development community.
- Develop and deploy new information solution tools and systems for the workforce and economic development community.
- Provide products and services that are customer- and demand-driven.
- Be known as an important and reliable source for information solutions that support workforce development goals and outcomes.

Acknowledgments: The Office of Workforce Development produced this report under the direction of Bureau Chief Coretta Pettway. For further information, visit [OhioLMI.com](http://OhioLMI.com) or call the Ohio Bureau of Labor Market Information at **1-888-296-7541** option 6, or **(614) 752-9494**.

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