



MID-OHIO REGIONAL  
**MORPC**  
PLANNING COMMISSION

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**NOTICE OF A MEETING**  
**REGIONAL INFORMATION & DATA GROUP**  
MID-OHIO REGIONAL PLANNING COMMISSION  
**REMOTE MEETING**

**November 4, 2020, 2:30 pm – 4:30 pm**

**AGENDA**

1. **Welcome**
2. **2020 Census Update –**  
*Aaron Schill, MORPC*
3. **Ohio Labor Market Information Website –**  
*Lew Horner, Ohio Department of Job and Family Services*
4. **Networking in Breakout Rooms**  
(click on link below to access your Breakout Room)
  - [Breakout Room #1, Last Names A thru E](#)
  - [Breakout Room #2, Last Names F thru I](#)
  - [Breakout Room #3, Last Names J thru N](#)
  - [Breakout Room #4, Last Names O thru S](#)
  - [Breakout Room #5, Last Names T thru Z](#)
5. **COVID-19 Economic Outlook –**  
*Bill LaFayette, Regionomics*
6. **Regional Housing Strategy Implementer's Toolkit –**  
*Liz Whelan, MORPC*
7. **Breakout Rooms Exercise Summary –**  
*Natalie Hurst, MORPC*
8. **Closing Remarks**
9. **Adjourn**

Please notify Lynn Kaufman at 614-233-4189 or LKaufman@morpc.org to confirm your attendance for this meeting or if you require special assistance.

**The next Meeting of the Regional Information & Data Group  
will be in February 2020 – Location to be Determined.**

**William Murdock, AICP**  
*Executive Director*

**Karen J. Angelou**  
*Chair*

**Erik J. Janas**  
*Vice Chair*

**Chris Amorose Grooms**  
*Secretary*

# Ohio Labor Market Information

**Regional Information & Data Group**  
**November 4, 2020**

# Ohio LMI

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- Four BLS programs that are part of a state-federal cooperative:
  - Local Area Unemployment Statistics (LAUS)
  - Current Employment Statistics (CES)
  - Quarterly Census of Employment and Wages (QCEW)
  - Occupational Employment Statistics (OES)
- Employment and Training Administration Grant
  - Long- and short-term occupational employment projections

# About LMI

## Bureau of Labor Market Information: Program and Data Guide

### The Ohio Bureau of Labor Market Information

The Ohio Bureau of Labor Market Information (BLMI) is the primary source for measures of labor market activity in Ohio and its substate areas. The BLMI collects, analyzes and publishes data and information regarding the Ohio labor force, industries and occupations. It also provides technical assistance and training to the Ohio workforce development communities and partners.

The BLMI operates under a cooperative agreement with the U.S. Department of Labor (DOL) Bureau of Labor Statistics (BLS) and receives funding from a federal Workforce Labor Market Information Grant provided by the DOL Employment and Training Administration (ETA). The BLMI is required to provide the BLS and ETA with certain products using approved software, tools and processes. The BLMI works with BLS on the following programs: [the](#) Quarterly Census of Employment and Wages (QCEW), Occupational Employment Statistics (OES), Local Area Unemployment Statistics (LAUS) and Current Employment Statistics (CES). The BLMI Workforce Research section



# OhioLMI.com

The screenshot shows the OhioLMI.com website. At the top left is the Ohio Department of Job and Family Services logo. To the right are social media icons for LinkedIn, Twitter, Facebook, and YouTube, and a search bar labeled "Search LMI...". Below this is a banner with a blue sky and yellow sunburst background, featuring the text "Ohio Labor Market Information". A dark red navigation bar contains the following menu items: Home, What's New, Industries, Wages, Occupations, Employment/Unemployment, Projections, Publications, and OhioMeansJobs. The main content area is divided into several sections. On the left, there is a "Quick Links" section with a "Data Search" button. The "Data Search Tool" link is circled in red. To its right are sections for "Ohio Leading Indicators" and "Worker Inflow & Outflow", each with a bulleted list of features. On the far right, there is a "MeansJobs" section with a "MORE" button.

**Ohio** | Department of Job and Family Services

Search LMI...

## Ohio Labor Market Information

Home | What's New | Industries | Wages | Occupations | Employment/Unemployment | Projections | Publications | OhioMeansJobs

Interested in our newest publications and resources? Find them here. If you are unable to locate something specific, or if you have questions regarding what you might need, please [Contact Us](#). Perform a customized search, using our newly developed data search tool. [Data Search](#)

**Quick Links**

- [Data Search Tool](#)
  - Allows customers to perform a customized search for a variety of data.
- [COVID-19 Labor Market Information](#)
  - A variety of reports, including county employment and
- [Ohio Leading Indicators](#)
  - Monthly forecast of employment growth for Ohio and its eight largest MSAs for the next six months.
- [Worker Inflow & Outflow](#)
  - Based on 2017 data, these reports can help you understand where

**MeansJobs**

MeansJobs.com is Ohio's free, career counseling center that connects businesses to job seekers and provides career services to all Ohioans.

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## Data Search

[Data Search Instructions](#)

Select a category to start your personalized report. Search results can be sorted by headings, just use the arrows to sort ascending or descending

Select a Category

Employment

Occupational Employment and Wages - OES

Industry

Covered Employment and Wages - QCEW

Occupation

Current Employment Statistics - CES

Unemployment

Local Area Unemployment Statistics - LAUS

Wages

Industry and Occupational Employment Projections

Phone: (614) 752-9494  
Fax: (614) 728-9627  
E-mail: [ContactLMI@jfs.ohio.gov](mailto:ContactLMI@jfs.ohio.gov)

### Location

Office of Workforce Development

ed Questions

Press Releases



are you looking for workers?

Candidates, are you looking for work?

Ohio & U.S. Employm

Upcoming e

September 2020 Ohio :  
(10/20/2020 8:30 AM)

# Data Search Tool

← Undo → Redo ↶ Revert 🔄 Refresh 🛑 Pause

🔗 Share 📄 Download

## Industry Employment and Wages - QCEW

State	Area Type	Area	Year	Period Type	Period	Industry Level	Industry Code & Ti...	Ownership				
Ohio	State	Ohio	(Multiple val...	(All)	(All)	(All)	(All)	(All)				
Area	Year	Period	Industry Code & Title	Ownership	# of Establishments	Average Employment	Month 1 Employment	Month 2 Employment	Month 3 Employment	Average Weekly Wages	Total Wages	
Ohio	2020	1st Quarter	10 -Total, All Industries	Total Government	14,446	0	725,634	735,980	735,121	\$1,083	\$10,308,271,478	
Ohio	2020	1st Quarter	10 -Total, All Industries	Private	289,975	0	4,638,911	4,637,472	4,614,517	\$1,059	\$63,773,322,928	
Ohio	2020	1st Quarter	10 -Total, All Industries	Local Government	11,393	0	515,849	521,825	520,764	\$958	\$6,469,037,127	

# Data Search Tool

## Industry Employment and Wages - QCEW

Year: (Multiple val... ▼  
 Period Type: (All) ▼  
 Period: (All) ▼  
 Industry Level: (All) ▼  
 Industry Code & Ti...: (All) ▼  
 Ownership: (All) ▼

Ownership	# of Establishments	Average Employment	Month 1 Employment	Month 3 Employment	Average Weekly Wages
Government	14,446	0	725,63	735,121	\$1,083 \$1
Private	289,975	0	4,638,91	4,614,517	\$1,059 \$6
Government	11,393	0	515,84	520,764	\$958 \$

(All)  
 Domain  
 Industry (5 digit)  
 Industry Group (4 digit)  
 Sector (2 digit)  
 Subsector (3 digit)  
 Supersector  
 Total (000000)  
 US Industry (6 digit)

# Data Search Tool

Share

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## Industry Employment and Wages - QCEW

Period Type: (All) | Period: (All) | Industry Level: (All) | Industry Code & Ti...: (All) | Ownership: (All)



Download

Select your file format.

Image

Data

Crosstab

PDF

PowerPoint

Tableau Workbook

Month 2  
Employment

Month 3  
Employment

Average Weekly  
Wages

Total Wages

735,980

735,121

\$1,083

\$10,308,271,478

4,637,472

4,614,517

\$1,059

\$63,773,322,928

521,825

520,764

\$958

\$6,469,037,127

134,409

134,491

\$1,358

\$2,347,116,280

# BLS Data Tools



U.S. BUREAU OF LABOR STATISTICS

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## Databases, Tables & Calculators by Subject

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# About LMI

## How do employment estimates differ by program?

The following chart shows the differences between the QCEW, CES and LAUS programs, which provide the data most commonly used to analyze the labor market. If you're looking for employment data, start with these sources.

	Quarterly Census of Employment and Wages (QCEW)	Current Employment Statistics (CES)	Local Area Unemployment Statistics (LAUS)
<b>Industry</b>	Data are published by <b>INDUSTRY</b> (sector and subsector)	Data are published by <b>INDUSTRY</b> (some sectors and some aggregates of sectors)	Data are published in <b>TOTAL</b> , not by industry
<b>Geography</b>	Data are published by <b>STATE, MSA, REGION and COUNTY</b>	Data are published by <b>STATE and MSA</b>	Data are published by <b>STATE, MSA, REGION and CITY</b> (population of 25,000 or more)
<b>Period of Data Availability</b>	<b>Beginning in 1975</b> for total employment by state and county <b>and 1990</b> for all geographies and industries	<b>Beginning in 1939</b> for aggregate industry and most major sector data <b>and 1990</b> for most data series	<b>Beginning in 1976</b> for statewide data and 1990 for substate data
<b>Jobs v. People</b>	Counts <b>JOBS</b> (those holding multiple jobs could be counted more than once)	Counts <b>JOBS</b> (those holding multiple jobs could be counted more than once)	Counts <b>PEOPLE</b> (those holding multiple jobs are counted only once)
<b>Collection Process</b>	Is a <b>CENSUS</b> (count) of jobs and is not based on a survey (Data are based on workplace location)	Utilizes an <b>ESTABLISHMENT SURVEY</b> (Data are based on workplace location)	Utilizes a <b>HOUSEHOLD SURVEY</b> (Current Population Survey; data are based on residence location)
<b>Frequency of Publication</b>	Data are published <b>QUARTERLY</b> , six months after the end of each quarter	Data are published <b>MONTHLY</b>	Data are published <b>MONTHLY</b>
<b>Data Reference Week</b>	Reference week is the <b>PAY PERIOD</b> that includes the 12 <sup>th</sup> of the month	Reference week is the <b>PAY PERIOD</b> that includes the 12 <sup>th</sup> of the month	Reference week is the <b>CALENDAR WEEK</b> that includes the 12 <sup>th</sup> of the month
<b>Seasonal Adjustments</b>	Because data represents a census, data are <b>NOT SEASONALLY ADJUSTED</b>	<b>SEASONALLY ADJUSTED</b> data are available for total nonfarm employment (all areas) and for supersectors (state only)	<b>SEASONALLY ADJUSTED</b> data are available for the state and MSAs, but not the counties or cities
<b>Workers on</b>	A job held by a person on unpaid leave during the reference week <b>IS NOT</b>	A job held by a person on unpaid leave during the reference week <b>IS NOT</b>	A person on unpaid leave <b>IS COUNTED</b> as employed because they will return to their

# Civilian Labor Force Estimates

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- Based on a monthly household survey (CPS), plus unemployment claims, industry employment estimates, and population controls.
  - The Ohio sample is about 2,000 households.

# Civilian Labor Force Estimates

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- Population 16 and older:
  - Military or Institutionalized
  - Employed
  - Unemployed
  - Out of the labor force
    - Discouraged workers
    - Marginally attached workers
- $\text{Employed} + \text{Unemployed} = \text{Labor Force}$ 
  - Employed, Unemployed estimated separately
- $\text{Unemployment rate} = \text{Unemployed} / \text{Labor Force}$

# Civilian Labor Force Estimates

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- Number of employed is NOT a count of jobs.
  - It is an estimate of the number of employed persons living in an area regardless of work location.
- We do not estimate unemployment rates for industries.
  - <https://ohiolmi.com/home/UIclaims> Table UC 237.WIA
- The BLS produces (minimal) demographic data on the labor force.
  - [Geographic Profiles of Employment and Unemployment](#)

# Civilian Labor Force Estimates

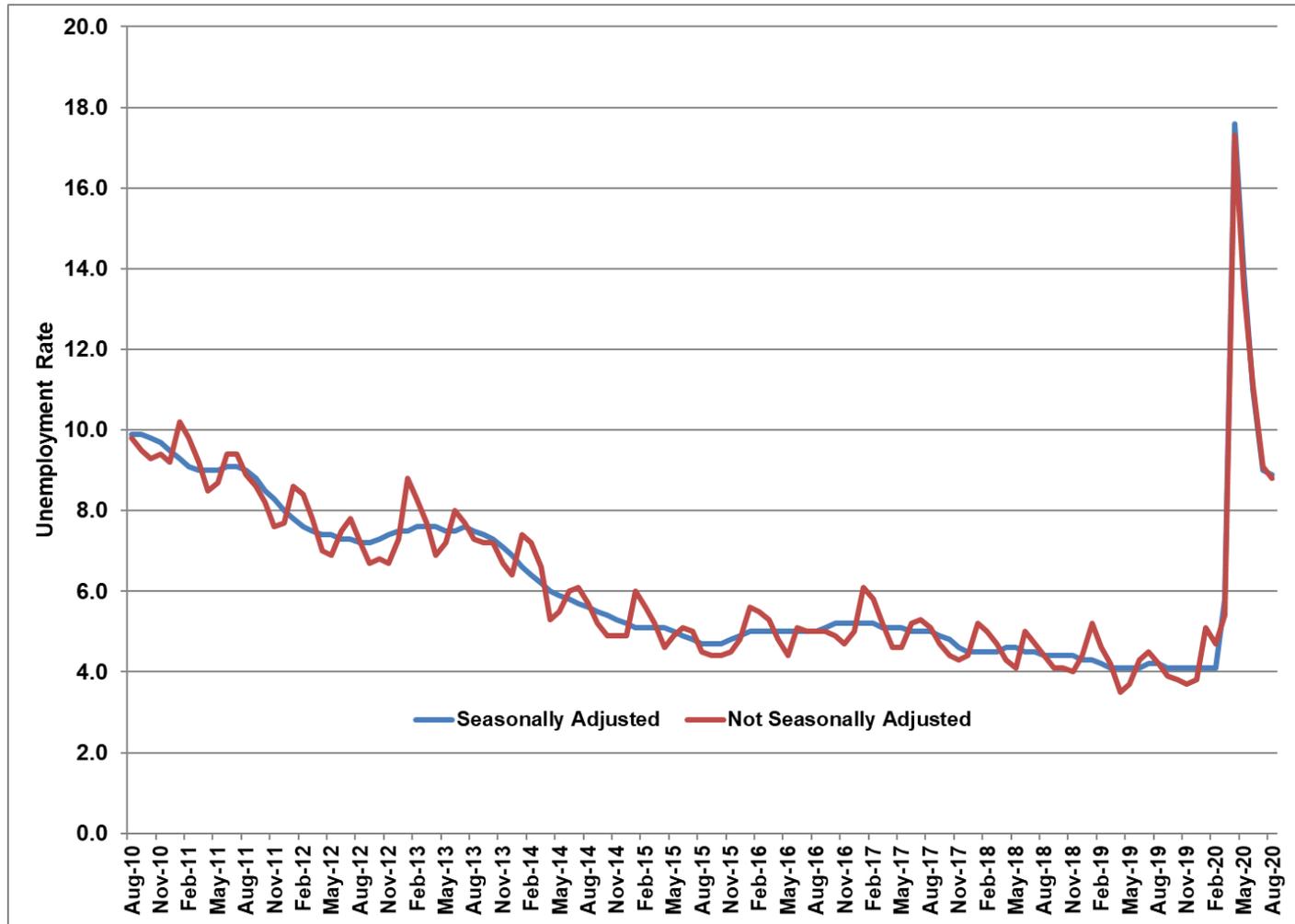
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- Monthly and annual estimates.
  - Initial releases are preliminary and may be revised the next month. Annual revisions can affect prior years; these are released in early March (January data release).
- Estimates for Ohio, counties, cities 25,000+, MSAs, JobsOhio regions (Wired regions)
- Data for Ohio, and the Cleveland MSA are available as seasonally/not seasonally adjusted. All other areas available only not seasonally adjusted.

# Civilian Labor Force Estimates

Area	Year	Period	Adjustment	Preliminary	Employed	Labor Force	Unemployed	Unemployment Rate
Cleveland-Elyria, OH Metro	2020	September	Seas. Adj	Yes	830,400	926,400	96,000	10.4%
Cleveland-Elyria, OH Metro	2020	August	Seas. Adj	No	909,000	1,016,000	107,000	10.5%
Cleveland-Elyria, OH Metro	2020	July	Seas. Adj	No	883,800	998,000	114,200	11.4%
Cleveland-Elyria, OH Metro	2020	June	Seas. Adj	No	908,500	1,050,100	141,700	13.5%
Cleveland-Elyria, OH Metro	2020	May	Seas. Adj	No	869,600	1,048,600	178,900	17.1%
Cleveland-Elyria, OH Metro	2020	April	Seas. Adj	No	792,900	993,200	200,300	20.2%
Cleveland-Elyria, OH Metro	2020	March	Seas. Adj	No	939,200	1,009,700	70,500	7.0%
Cleveland-Elyria, OH Metro	2020	February	Seas. Adj	No	999,200	1,041,600	42,300	4.1%
Cleveland-Elyria, OH Metro	2020	January	Seas. Adj	No	1,000,700	1,042,300	41,600	4.0%

# Civilian Labor Force Estimates



# Civilian Labor Force Estimates

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- LMI Query Tool:  
[https://ohiolmi.com/Home/DS\\_Results\\_LAUS](https://ohiolmi.com/Home/DS_Results_LAUS)
- BLS: <https://data.bls.gov/PDQWeb/la>

# Current Employment Statistics

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- Total nonfarm, total private, and industry employment estimates, with some earnings & hours data.
- Based on a monthly establishment survey, with a sample of more than 27,000 establishments in Ohio.
  - Stratified by location, industry, establishment size
- CES includes ‘covered’ and ‘noncovered’ employment.
- Estimates for Ohio, MSAs – No county data.

# Current Employment Statistics

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- Monthly and annual estimates.
  - Initial releases are preliminary and may be revised the next month. Annual benchmarking to QCEW; revisions are released in early March (January data).
- CES industry codes are based on NAICS codes, but do not match all NAICS codes one-to-one.
- Many Ohio industry estimates are seasonally adjusted, all industries available as seasonally unadjusted. For the MSAs, only total nonagricultural employment is seasonally adjusted.

# Current Employment Statistics

Industry	Employment (in thousands)			Change (in thousands)		Percent Change	
	September 2020	August 2020	September 2019	From Last Month	From Last Year	From Last Month	From Last Year
<b>Total</b>	<b>5,188.2</b>	<b>5,146.7</b>	<b>5,591.9</b>	<b>41.5</b>	<b>-403.7</b>	<b>0.8</b>	<b>-7.2</b>
<b>Total Private</b>	<b>4,451.9</b>	<b>4,413.5</b>	<b>4,804.4</b>	<b>38.4</b>	<b>-352.5</b>	<b>0.9</b>	<b>-7.3</b>
<b>Goods-Producing (Private)</b>	<b>886.0</b>	<b>882.5</b>	<b>939.7</b>	<b>3.5</b>	<b>-53.7</b>	<b>0.4</b>	<b>-5.7</b>
Mining and Logging	9.8	9.7	11.6	0.1	-1.8	1.0	-15.5
Construction	213.4	213.1	227.1	0.3	-13.7	0.1	-6.0
Manufacturing	662.8	659.7	701.0	3.1	-38.2	0.5	-5.4
Durable Goods	433.5	432.9	473.6	0.6	-40.1	0.1	-8.5
Nondurable Goods	229.3	226.8	227.4	2.5	1.9	1.1	0.8
<b>Service-Providing (Private)</b>	<b>3,565.9</b>	<b>3,531.0</b>	<b>3,864.7</b>	<b>34.9</b>	<b>-298.8</b>	<b>1.0</b>	<b>-7.7</b>
Trade, Transportation, and Utilities	973.6	968.0	1,028.7	5.6	-55.1	0.6	-5.4
Wholesale Trade	211.7	213.7	237.4	-2.0	-25.7	-0.9	-10.8
Retail Trade	530.4	529.1	551.8	1.3	-21.4	0.2	-3.9
Transportation, Warehousing, and Utilities	231.5	225.2	239.5	6.3	-8.0	2.8	-3.3
Information	66.6	65.3	68.9	1.3	-2.3	2.0	-3.3
Financial Activities	295.7	295.3	310.0	0.4	-14.3	0.1	-4.6
Finance and Insurance	237.4	237.7	243.8	-0.3	-6.4	-0.1	-2.6
Real Estate and Rental and Leasing	58.3	57.6	66.2	0.7	-7.9	1.2	-11.9
Professional and Business Services	682.1	672.5	735.9	9.6	-53.8	1.4	-7.3
Professional, Scientific, and Technical Services	259.5	253.6	269.4	5.9	-9.9	2.3	-3.7
Management of Companies and Enterprises	135.0	134.6	141.1	0.4	-6.1	0.3	-4.3
Administrative, Support, and Waste Services	287.6	284.3	325.4	3.3	-37.8	1.2	-11.6

# Current Employment Statistics

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- Query Tool: [https://ohiolmi.com/Home/DS\\_Results\\_CES](https://ohiolmi.com/Home/DS_Results_CES)
- BLS: <https://data.bls.gov/PDQWeb/sm>

# Quarterly Census of Employment and Wages

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- Industry employment, establishment counts, industry average weekly and total wages.
- Based on quarterly employer reports (wage records) for unemployment insurance.
  - QCEW includes only employment ‘covered’ under state and federal unemployment insurance plans, which includes more than 95% of jobs.

# Quarterly Census of Employment and Wages

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- Data for Ohio, counties, MSAs
- Monthly data released quarterly. Annual averages. There is a significant time lag until posting.
- QCEW data are not seasonally adjusted.
- CES data are benchmarked to QCEW, but there are differences in the series.

# Quarterly Census of Employment and Wages

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- NAICS industry classifications.
  - Annual refiling survey used to confirm or reclassify NAICS classifications, which appear in the data only in first quarter data releases.
- Ownership: private, local, state, or federal government.
  - Important for some industries, especially education and healthcare.
- Industry employment and wages may be suppressed for primary and secondary confidentiality. Data suppressed at lower levels are included in higher level roll-ups.

# Quarterly Census of Employment and Wages

NAICS Industrial Sector	Ohio	Adams	Allen	Ashland	Ashtabula	Athens	Auglaize
<b>Total covered under Ohio UC Law (b)</b>	<b>5,402,645</b>	<b>5,928</b>	<b>50,721</b>	<b>19,137</b>	<b>30,419</b>	<b>21,352</b>	<b>21,983</b>
<b>Private Sector</b>	<b>4,742,717</b>	<b>4,751</b>	<b>45,098</b>	<b>16,805</b>	<b>26,099</b>	<b>13,803</b>	<b>19,862</b>
Agriculture, forestry, fishing and hunting	16,812	(c)	(c)	(c)	172	(c)	(c)
Mining	10,964	(c)	(c)	(c)	33	(c)	(c)
Utilities	18,517	92	125	0	131	77	(c)
Construction	230,891	246	2,108	756	1,162	937	960
Manufacturing	696,420	928	9,448	3,893	7,515	656	8,657
Wholesale trade	237,049	243	2,308	662	644	450	900
Retail trade	569,050	819	5,811	2,177	3,362	2,577	2,132
Transportation and warehousing	226,459	73	1,263	534	717	172	(c)
Information	68,917	30	514	170	227	341	201
Finance and insurance	226,430	188	952	237	462	399	253
Real estate and rental and leasing	65,975	43	339	169	179	240	239
Professional and technical services	269,472	(c)	1,385	1,253	838	337	466
Management of companies and enterprises	140,393	(c)	307	47	51	244	(c)
Administrative and waste services	330,421	(c)	3,143	594	936	469	(c)
Educational services	94,307	10	1,016	(c)	173	57	114
Health care and social assistance	821,035	1,099	9,738	(c)	5,617	3,314	2,684
Arts, entertainment, and recreation	77,404	19	418	130	198	81	241
Accommodation and food services	484,303	498	4,440	1,551	2,875	2,998	1,545
Other services, except public administration	157,898	76	1,567	545	806	423	795
<b>State &amp; Local Government</b>	<b>659,928</b>	<b>1,177</b>	<b>5,623</b>	<b>2,332</b>	<b>4,320</b>	<b>7,549</b>	<b>2,121</b>
State Government	135,412	43	982	239	309	(c)	97
Local Government	524,516	1,134	4,641	2,093	4,011	(c)	2,024
<b>Federal Government (d)</b>	<b>80,187</b>	<b>65</b>	<b>326</b>	<b>110</b>	<b>190</b>	<b>224</b>	<b>92</b>

# Quarterly Census of Employment and Wages

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- Query Tool:  
[https://ohiolmi.com/Home/DS\\_Results\\_QCEW](https://ohiolmi.com/Home/DS_Results_QCEW)
- QCEW Publications/Data:  
<https://ohiolmi.com/Home/QCEWpubs>
- BLS: <https://www.bls.gov/cew/downloadable-data-files.htm>

# Occupational Employment Statistics

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- SOC occupations: Employment estimates, wage estimates with distributions (mean, median, percentiles).
- Based on six semi-annual employer surveys, with about 3 million jobs in the sample.
- Data for Ohio, JobsOhio regions (Wired Regions), MSAs, and four non-metropolitan areas (balance of state). No county data.
- Data released annually.
- The BLS publishes national wages by industry.

# Occupational Employment Statistics

Area	Occupation	SOC Code	Estimated Employment	Average Wage	Entry Wage	25% Wage	Median Wage	75% Wage
Ohio	Accountants and Auditors	132011	47,240	\$35.28	\$22.21	\$25.14	\$31.58	\$41.25
Ohio	Actors	272011	530	\$17.52	\$8.99	\$9.24	\$13.90	\$25.53
Ohio	Actuaries	152011	1,580	\$49.79	\$29.13	\$33.80	\$46.49	\$61.80
Ohio	Acupuncturists and Health Diagnosing, Treating Pract, All Other	291298	610	\$41.39	\$26.62	\$30.71	\$39.17	\$49.33
Ohio	Adhesive Bonding Machine Operators and Tenders	519191	960	\$16.99	\$12.53	\$13.74	\$16.57	\$19.31
Ohio	Administrative Law Judges, Adjudicators, and Heari	231021	770	\$40.69	\$23.23	\$26.73	\$31.64	\$51.78
Ohio	Administrative Services Managers	113010	11,560	\$45.82	\$28.22	\$32.04	\$41.31	\$55.05
Ohio	Adult Basic and Secondary Education and Literacy T	253011	930	\$24.03	\$17.37	\$19.16	\$23.42	\$28.79
Ohio	Advertising and Promotions Managers	112011	320	\$62.47	\$31.01	\$35.48	\$48.34	\$78.12
Ohio	Advertising Sales Agents	413011	3,410	\$25.43	\$11.19	\$12.90	\$21.50	\$31.32
Ohio	Aerospace Engineering and Operations Technicians	173021	960	\$32.41	\$25.11	\$27.47	\$32.70	\$37.58
Ohio	Aerospace Engineers	172011	3,810	\$56.03	\$38.05	\$43.49	\$55.27	\$67.08
Ohio	Agents & Business Mgr., Artists, Performers, Athl.	131011	80	\$47.03	\$18.01	\$20.11	\$24.04	\$41.67
Ohio	Agricultural Engineers	172021	80	\$43.15	\$31.21	\$35.52	\$40.53	\$49.43

# Occupational Employment Statistics

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- Query Tool: [https://ohiolmi.com/Home/DS\\_Results\\_OES](https://ohiolmi.com/Home/DS_Results_OES)
- BLS: <https://www.bls.gov/oes/current/oessrcst.htm>

# Employment Projections

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- 2018-2028 Ohio Long-Term Employment Projections
  - <https://www.projectionscentral.com/Projections/LongTerm>
- 2019-2021 Ohio Short-Term Employment Projections
  - <https://www.projectionscentral.com/Projections/ShortTerm>

# Census LEHD Program

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- [LEHD Data](#)
- LEHD Origin-Destination Employment Statistics (LODES)
  - [On the Map](#)
- Quarterly Workforce Indicators (QWI)
  - [LEHD Extraction Tool](#)

# Contact us

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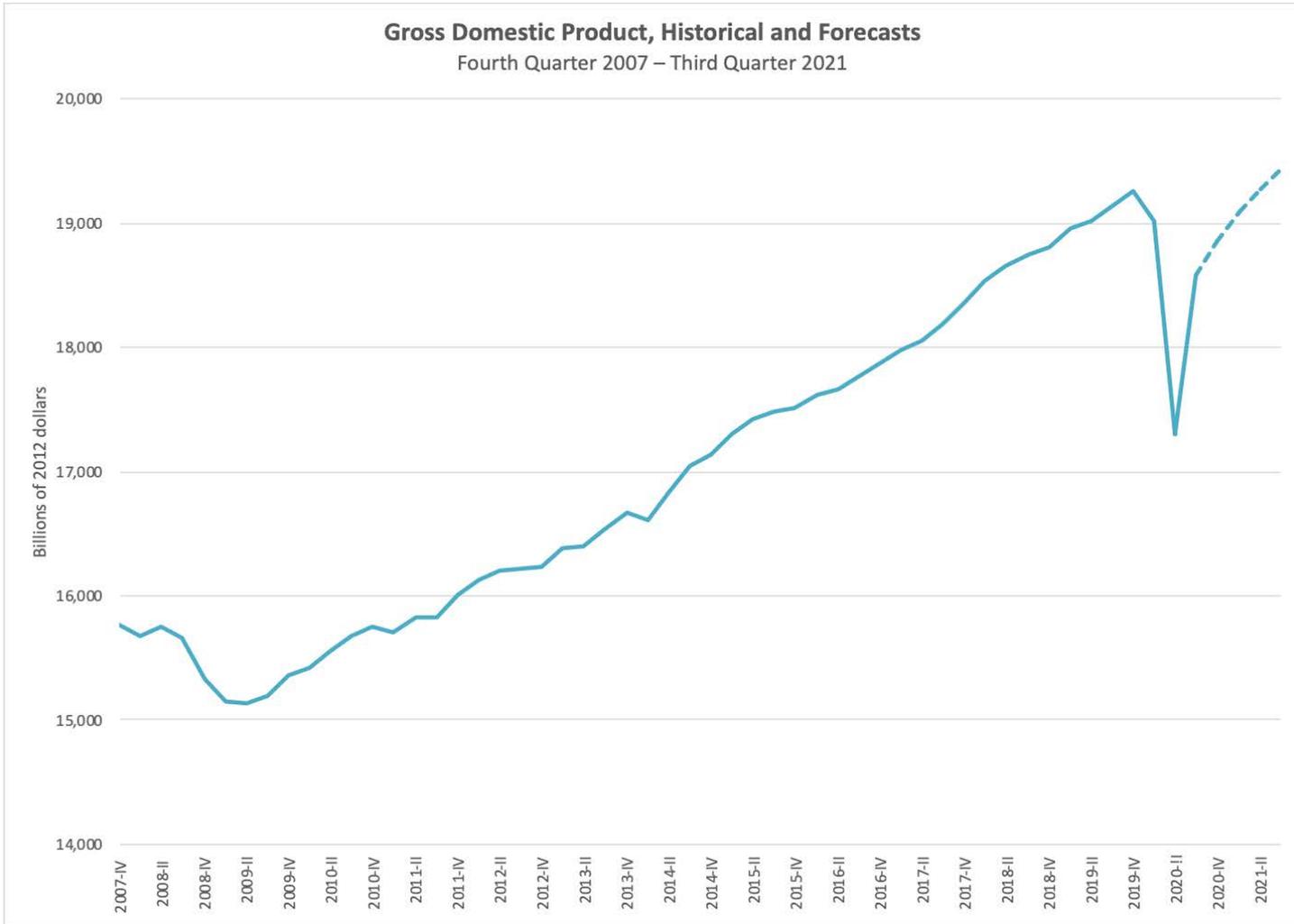
- If you have questions, do not hesitate to contact us.
- [CONTACTLMI@jfs.ohio.gov](mailto:CONTACTLMI@jfs.ohio.gov)
- [Lewis.Horner@jfs.ohio.gov](mailto:Lewis.Horner@jfs.ohio.gov)



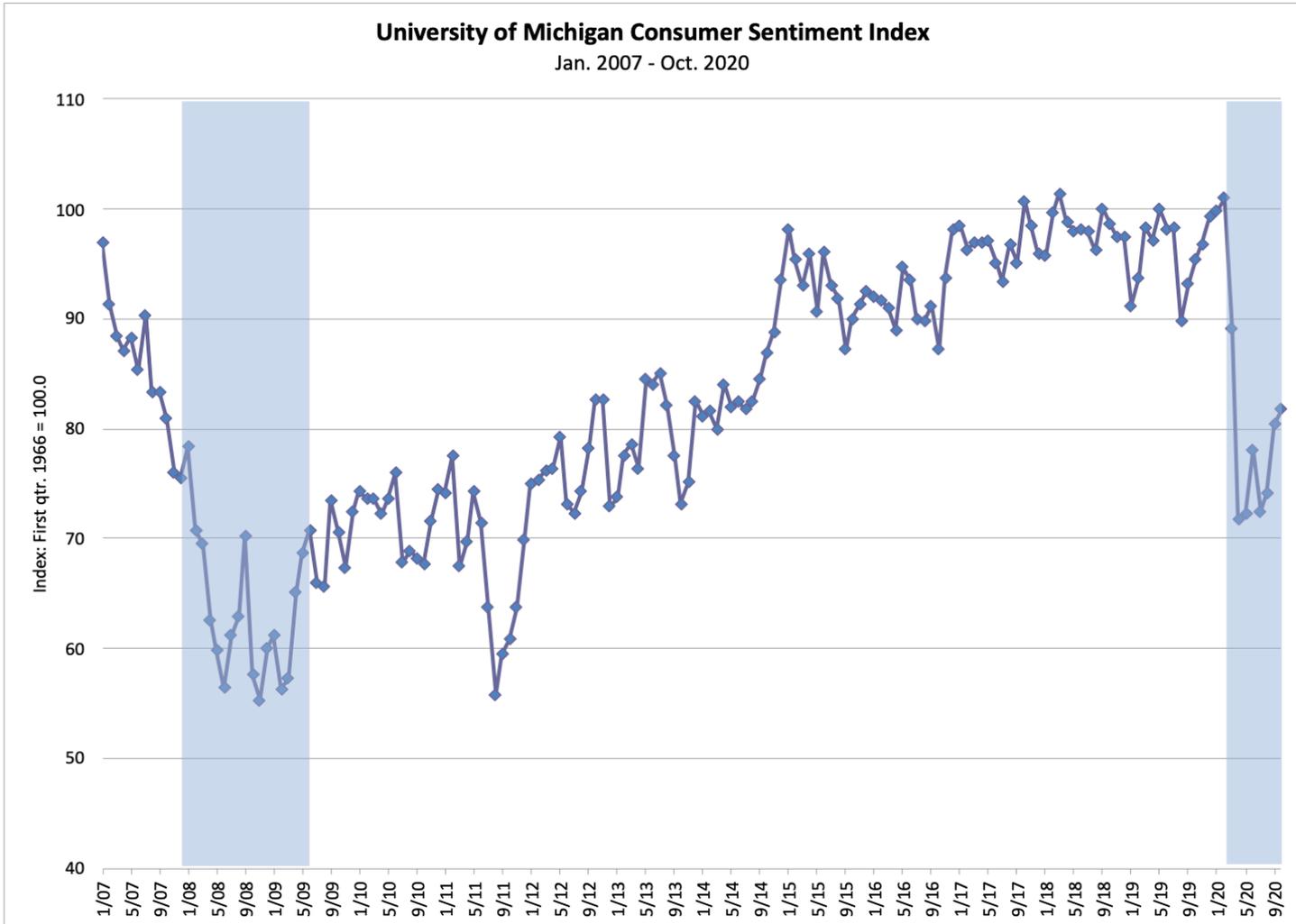
Central Ohio Economic Update  
MORPC Regional Information and Data Group  
November 4, 2020

Bill LaFayette, Ph.D., owner, Regionomics® LLC

# U.S. economy

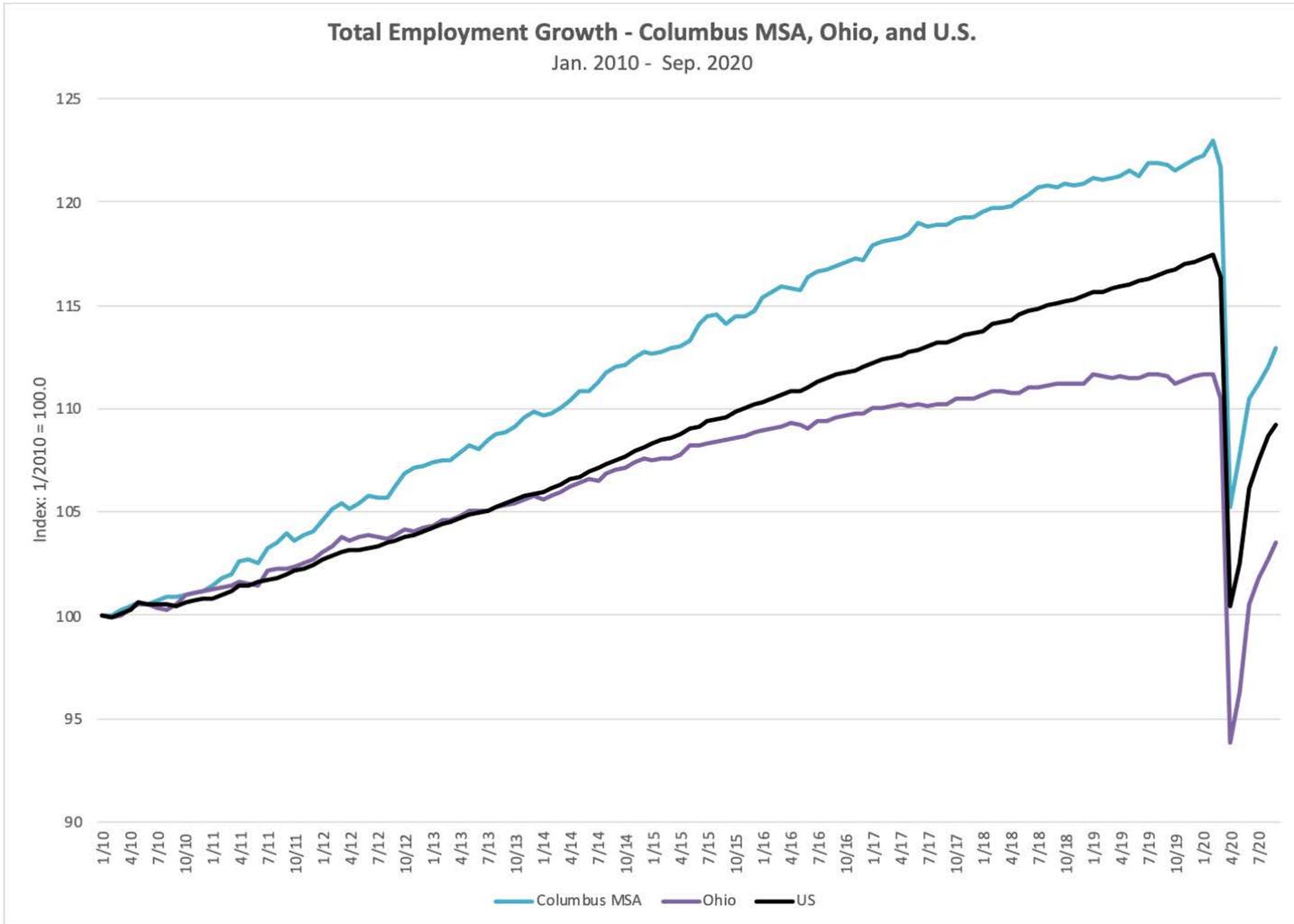


# U.S. economy

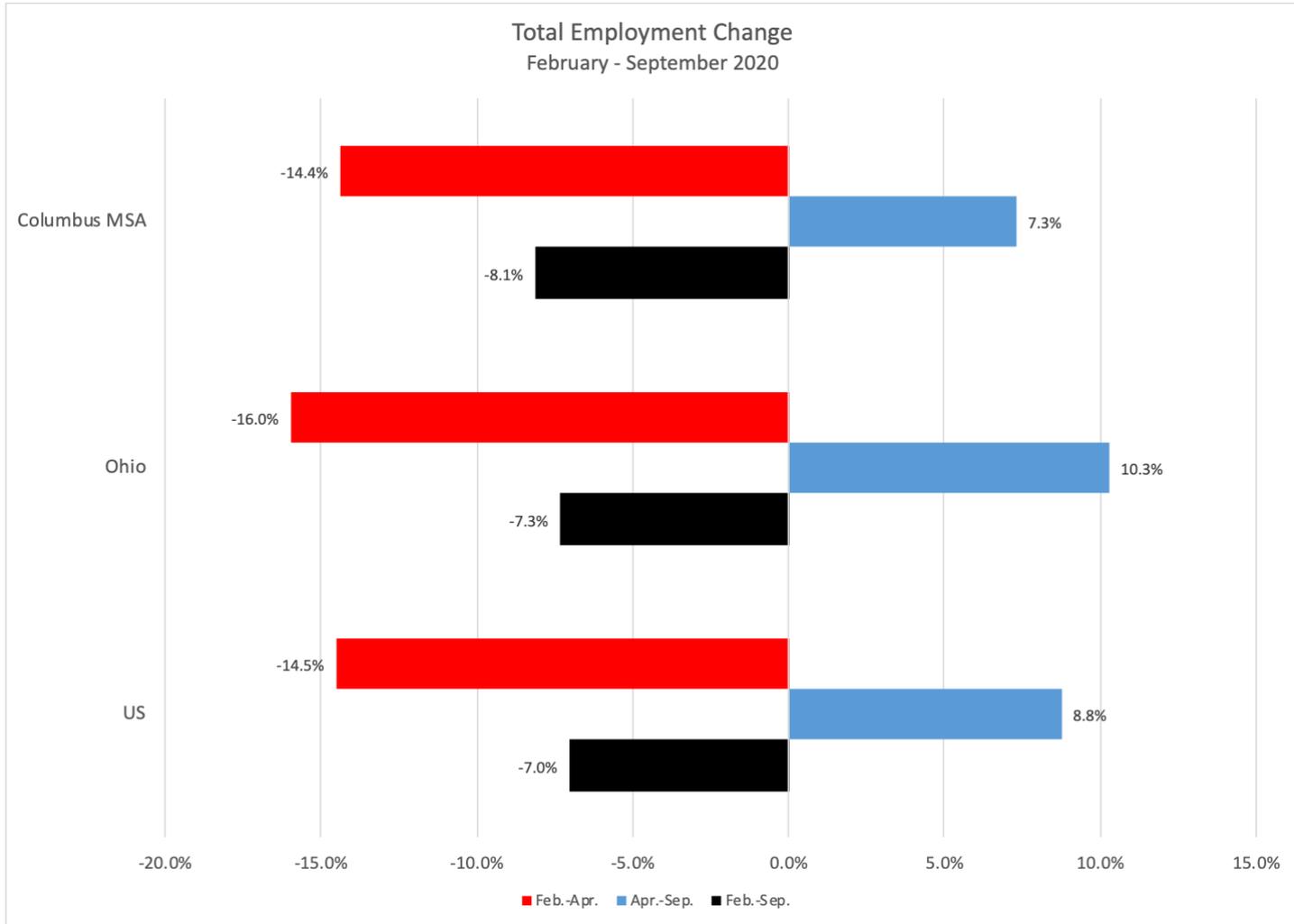




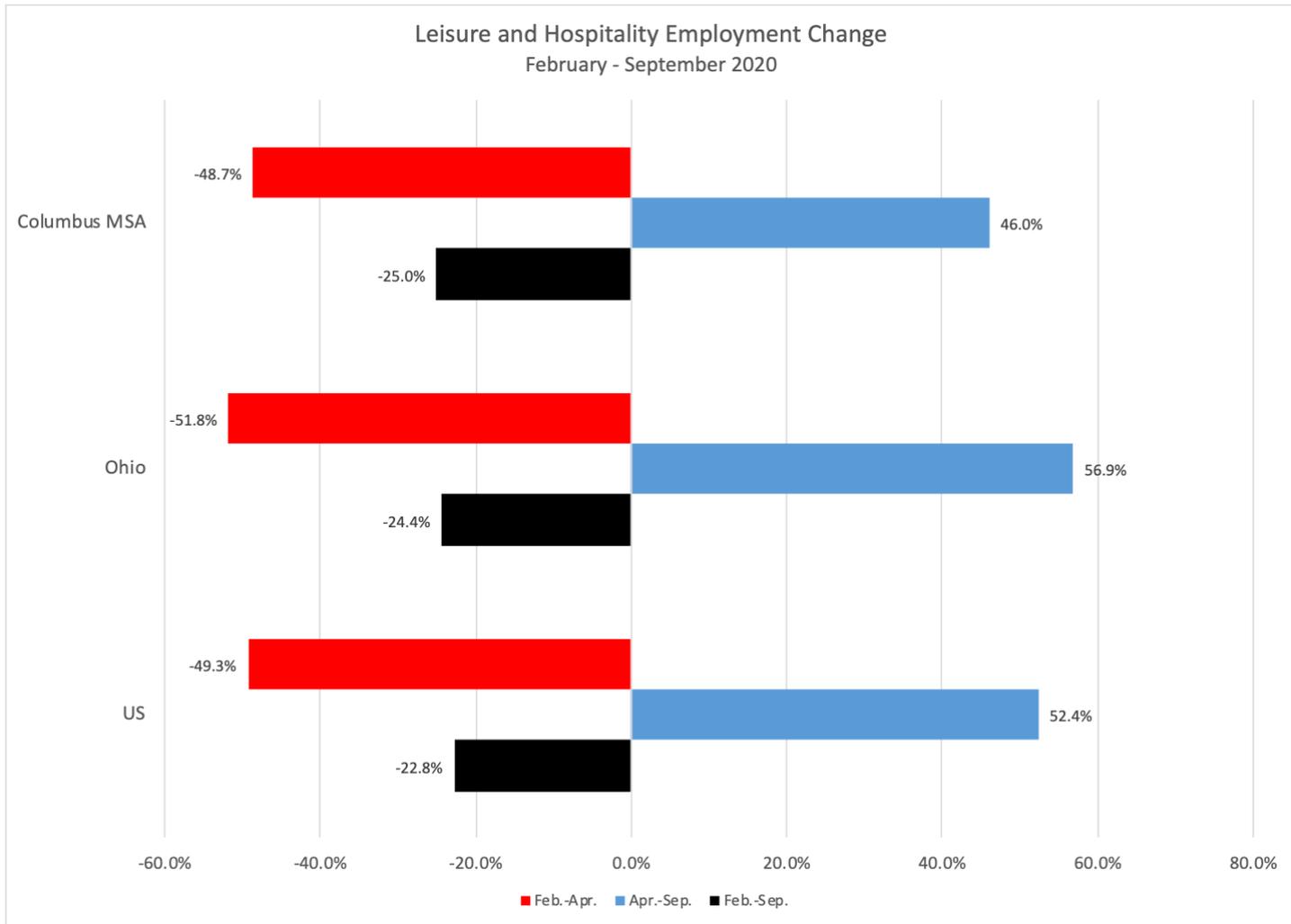
# Columbus economy



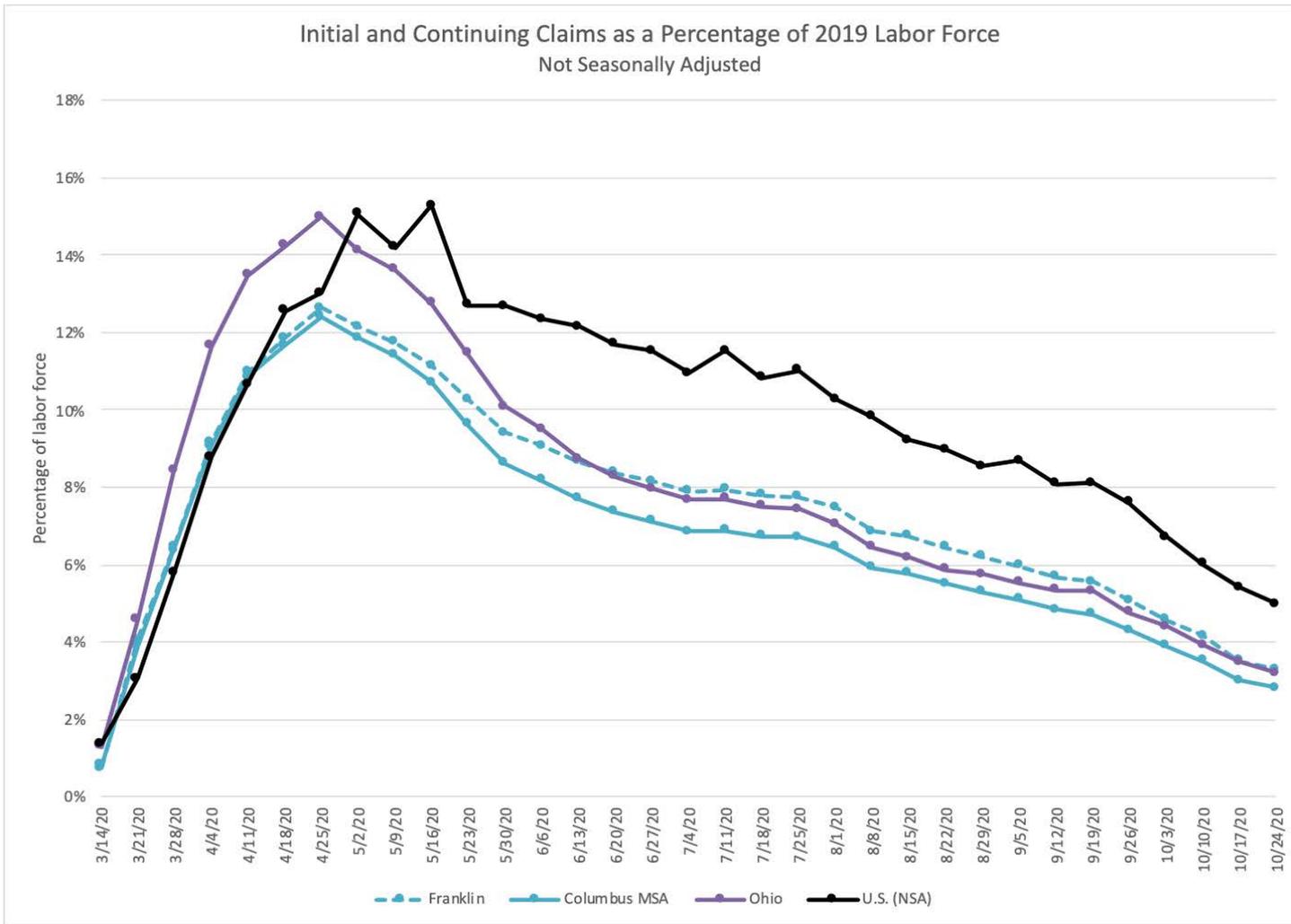
# Total employment changes



# Leisure employment changes



# Weekly unemployment claims



Thank you!

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