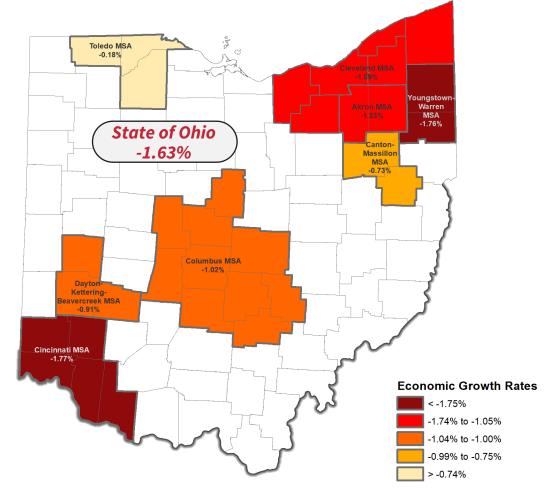




# Predicted Annualized Growth Rates for Ohio and Select Metropolitan Statistical Areas (MSAs)

The Ohio Leading Indicators report uses an annualized growth rate to forecast employment growth for Ohio and its eight largest MSAs for the next six months. The model examines seasonally adjusted total nonfarm employment. These data are seasonally adjusted by the leading indicators model and should not be compared to other seasonally adjusted data.

Total employment is predicted to decrease at an annual rate of -1.63% for the next six months in Ohio. The following MSAs are also predicted to decrease: the Toledo MSA at -0.18%; the Canton-Massillon MSA at -0.73%; the Dayton-Kettering-Beavercreek MSA at -0.91%; the Columbus MSA at -1.02%; the Cleveland MSA at -1.09%; the Akron MSA at -1.23%; the Youngstown-Warren MSA at -1.76%; and the Cincinnati MSA at -1.77%



# **LEADING INDICATORS AND COMPONENTS**

# UNITED STATES

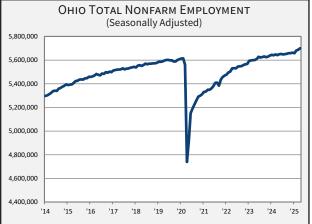
The U.S. Leading Economic Index decreased 1.0% from March and decreased 4.0% from April 2024. The U.S. industrial production in manufacturing decreased 0.4% over the month but increased 1.2% over the year.

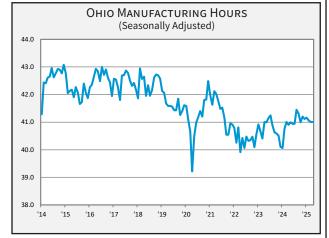


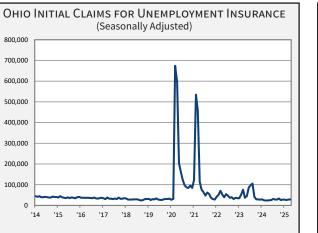
Ohio's seasonally adjusted total nonfarm employment was 5,699,600 in April 2025, up 0.2% over the month and up 1.0% over the year. Initial unemployment claims increased 2.2% from March and increased 20.4% from April 2024. Ohio's average weekly manufacturing hours did not change from 41.0 in April. Housing permit valuations decreased 10.4% from the previous month but increased 2.1% from the previous year. *Building permit valuations for Ohio were higher than normal for October 2022, primarily driven by a larger-than-normal increase in the Akron MSA valuations.* 

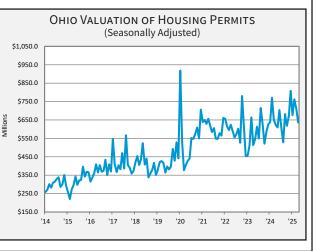












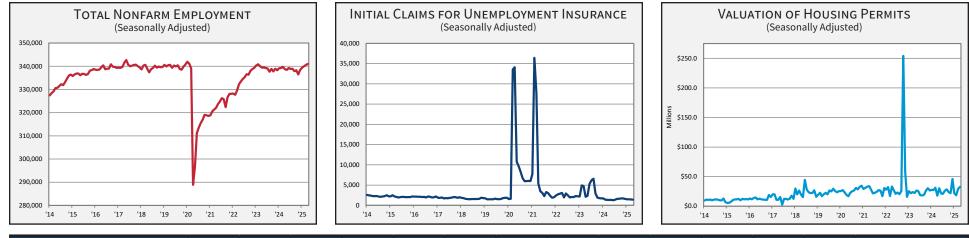
# **LEADING INDICATORS AND COMPONENTS**

UNITED STATES	Apr 2024	May	Jun 2024	Jul 2024	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Percent	-
	2024	2024	2024	2024	2024	2024	2024	2024	2024	2025	2025	2025	2025	Month	Year
U.S. Leading Economic Index (2016 = 100) (Seasonally Adjusted)	103.5	103.1	102.9	102.4	102.1	101.7	101.4	101.7	101.6	101.4	101.2	100.4	99.4	-1.0%	-4.0%
U.S. Industrial Production: Manufacturing (2017 = 100) (Seasonally Adjusted)	99.4	100.0	100.0	99.4	99.9	99.6	99.0	99.2	99.6	99.2	100.4	101.0	100.6	-0.4%	1.2%
														Percent	Change
Оніо	Apr 2024	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024	Jan 2025	Feb 2025	Mar 2025	Apr 2025	Month	Year
Nonagricultural Wage and Salary Employment (Seasonally Adjusted in Thousands)	5,641.5	5,649.1	5,651.0	5,647.4	5,650.0	5,653.2	5,658.2	5,658.8	5,663.0	5,657.9	5,681.0	5,686.7	5,699.6	0.2%	1.0%
Initial Claims for Unemployment Insurance (Seasonally Adjusted)	23,864	24,971	25,813	31,363	28,074	28,382	33,176	25,740	28,067	27,923	26,059	28,128	28,742	2.2%	20.4%
Average Weekly Hours for Manufacturing (Seasonally Adjusted)	40.9	41.0	40.9	40.9	41.4	41.3	41.0	41.2	41.1	41.2	41.1	41.0	41.0	0.0%	0.2%
Valuation of Housing Permits (Seasonally Adjusted in Millions)	\$623.0	\$609.6	\$703.4	\$607.3	\$528.7	\$682.0	\$618.2	\$672.1	\$807.8	\$675.9	\$762.1	\$710.4	\$636.2	-10.4%	2.1%

## AKRON METROPOLITAN STATISTICAL AREA Portage and Summit Counties

The leading indicator for the Akron metropolitan area for April 2025 forecasts negative employment growth at an annual rate of -1.23% for the next six months. Seasonally adjusted nonfarm payroll employment was 341,000 in April, up 0.1% from March.

The number of initial claims for unemployment insurance in April was 1,405 claims, 3.4% less than the number of claims filed last month but 5.2% more than last year. The valuation of permits for new housing construction in April was \$32.7 million, a 12.4% increase from March and an 82.7% increase from April 2024. *The Akron MSA reported an extremely high number of housing permits and valuations for October 2022, giving the permit data a stronger-than-normal effect on the October 2022 leading indicators for the Akron MSA.* 



AKRON	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Percen	t Change
Akron	2024	2024	2024	2024	2024	2024	2024	2024	2024	2025	2025	2025	2025	Month	Year
Nonagricultural Wage and Salary Employment (Seasonally Adjusted in Thousands)	338.7	338.4	339.2	338.9	338.9	337.9	338.3	336.4	338.4	339.3	339.9	340.5	341.0	0.1%	0.7%
Initial Claims for Unemployment Insurance (Seasonally Adjusted)	1,335	1,348	1,265	1,383	1,600	1,626	1,701	1,688	1,587	1,484	1,492	1,454	1,405	-3.4%	5.2%
Average Weekly Hours for Manufacturing* (Seasonally Adjusted)	40.9	41.0	40.9	40.9	41.4	41.3	41.0	41.2	41.1	41.2	41.1	41.0	41.0	0.0%	0.2%
Valuation of Housing Permits (Seasonally Adjusted in Millions)	\$17.9	\$30.3	\$21.4	\$20.9	\$26.1	\$28.4	\$23.8	\$22.1	\$46.0	\$21.9	\$18.4	\$29.1	\$32.7	12.4%	82.7%

\*In 2005, the BLS stopped producing manufacturing hours for Akron, Canton, Dayton, Toledo, and Youngstown. Starting in February 2005, data for the manufacturing hours for those MSAs are the state values.



INITIAL CLAIMS FOR UNEMPLOYMENT INSURANCE

(Seasonally Adjusted)

## CANTON-MASSILLON METROPOLITAN STATISTICAL AREA Carroll and Stark Counties

TOTAL NONFARM EMPLOYMENT

(Seasonally Adjusted)

180.000

175.000

170.000

165,000

155,000

150,000

'14 '15

'16 '17

'18 '19 '20 '21 '22 '23 '24 '25

The leading indicator for the Canton-Massillon metropolitan area for April 2025 forecasts negative employment growth at an annual rate of -0.73% for the next six months. Seasonally adjusted nonfarm payroll employment was 173,900 in April, up 0.1% from March.

The number of initial claims for unemployment insurance in April was 794, down 2.1% from the number of claims filed last month and down 1.1% from last year. The valuation of permits for new housing construction in April was \$11.1 million, a 31.9% decrease from one month ago and a 37.3% decrease from one year ago.

25,000

20,000

15.000

10.000

5.000

'15

'16 '17 '18 '19

'14

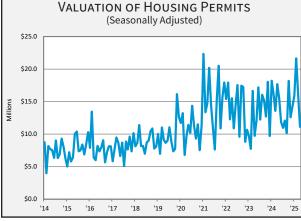
Percent Change Aug May Jul Sep Oct Nov Dec Jan Feb Mar Apr Apr Jun CANTON 2024 2024 2024 2024 2024 2024 2024 2024 2024 2025 2025 2025 2025 Month Year Nonagricultural Wage and Salary Employment 173.3 173.8 173.8 173.6 173.8 173.3 173.0 173.9 173.3 173.9 173.8 173.9 0.1% 0.3% (Seasonally Adjusted in Thousands) 173.2 Initial Claims for Unemployment Insurance 749 884 794 (Seasonally Adjusted) 803 783 849 871 863 958 996 914 828 811 -2.1% -1.1% Average Weekly Hours for Manufacturing\* 40.9 40.9 40.9 41.3 41.0 41.0 41.0 0.0% 0.2% (Seasonally Adjusted) 41.0 41.4 41.2 41.1 41.2 41.1 Valuation of Housing Permits \$10.1 (Seasonally Adjusted in Millions) \$17.7 \$15.4 \$11.9 \$11.0 \$12.1 \$18.2 \$12.6 \$14.2 \$16.0 \$21.6 \$16.3 \$11.1 -31.9% -37.3%

'20 '21

'23 '24 '25

'22

\*In 2005, the BLS stopped producing manufacturing hours for Akron, Canton, Dayton, Toledo, and Youngstown. Starting in February 2005, data for the manufacturing hours for those MSAs are the state values.

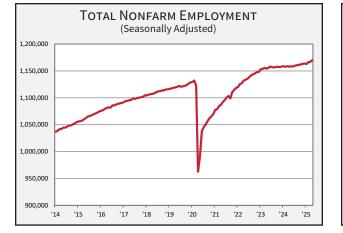


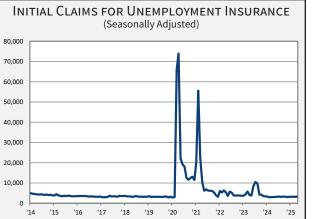


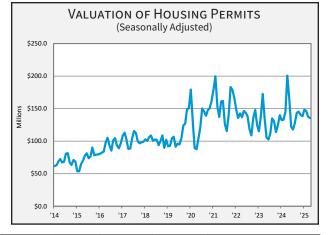
#### **CINCINNATI METROPOLITAN STATISTICAL AREA** Brown, Butler, Clermont, Hamilton, and Warren Counties This MSA also includes counties in Indiana and Kentucky (see page 12)

The leading indicator for the Cincinnati metropolitan area for April 2025 forecasts negative employment growth at an annual rate of -1.77% for the next six months. Seasonally adjusted nonfarm payroll employment was 1,169,800 in April, up 0.3% from March.

The number of initial claims for unemployment insurance in April was 3,267 claims, 4.0% more than last month and 7.7% more than last year. Average weekly manufacturing hours increased to 40.6 in April. The valuation of permits for new housing construction in April was \$135.3 million, a 1.7% decrease from March and a 32.6% decrease from April 2024.







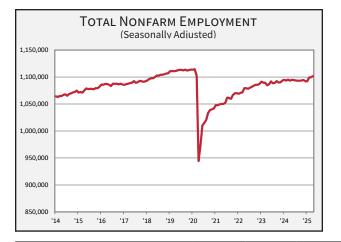
CINCINIATI	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Percent	t Change
Cincinnati	2024	2024	2024	2024	2024	2024	2024	2024	2024	2025	2025	2025	2025	Month	Year
Nonagricultural Wage and Salary Employment (Seasonally Adjusted in Thousands)	1,157.9	1,158.5	1,158.1	1,159.7	1,160.6	1,161.4	1,162.0	1,163.0	1,163.9	1,162.7	1,166.4	1,166.5	1,169.8	0.3%	1.0%
Initial Claims for Unemployment Insurance (Seasonally Adjusted)	3,032	3,161	3,184	3,307	3,165	3,281	3,240	3,042	3,166	3,190	3,237	3,141	3,267	4.0%	7.7%
Average Weekly Hours for Manufacturing (Seasonally Adjusted)	32.1	33.3	35.1	34.1	35.2	36.5	36.0	37.2	38.6	36.4	38.5	40.2	40.6	1.0%	26.5%
Valuation of Housing Permits (Seasonally Adjusted in Millions)	\$200.6	\$165.4	\$122.4	\$117.9	\$127.8	\$143.5	\$145.3	\$140.1	\$138.3	\$148.5	\$146.4	\$137.6	\$135.3	-1.7%	-32.6%

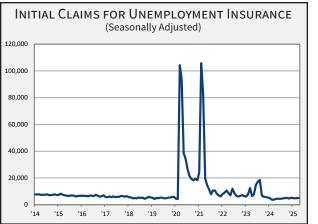


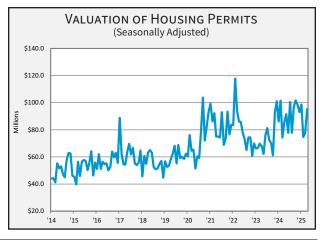
### **CLEVELAND METROPOLITAN STATISTICAL AREA** Ashtabula, Cuyahoga, Geauga, Lake, Lorain, and Medina Counties

The leading indicator for the Cleveland metropolitan area for April 2025 forecasts negative employment growth at an annual rate of -1.09% for the next six months. Seasonally adjusted nonfarm payroll employment was 1,101,700 in April, up 0.19% from March.

The number of initial claims for unemployment insurance in April was 5,092, up 2.2% from the number of claims filed last month and up 19.9% from last year. Average weekly manufacturing hours increased to 43.5 in April. The valuation of permits for new housing construction in April was \$95.2 million, a 22.7% increase from March and an 11.2% increase from April 2024.







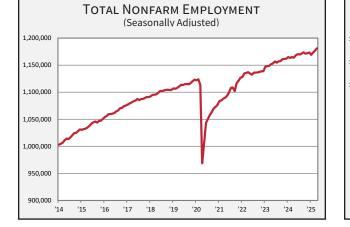
	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Percent	t Change
Cleveland	2024	2024	2024	2024	2024	2024	2024	2024	2024	2025	2025	2025	2025	Month	Year
Nonagricultural Wage and Salary Employment (Seasonally Adjusted in Thousands)	1,093.3	1,094.9	1,094.5	1,093.7	1,093.0	1,093.3	1,093.5	1,094.4	1,092.2	1,092.0	1,098.9	1,099.6	1,101.7	0.19%	0.8%
Initial Claims for Unemployment Insurance (Seasonally Adjusted)	4,245	4,542	4,412	4,507	4,839	4,901	5,209	4,640	5,367	4,874	4,882	4,984	5,092	2.2%	19.9%
Average Weekly Hours for Manufacturing (Seasonally Adjusted)	40.4	40.8	40.4	40.4	40.6	40.1	40.4	41.4	41.4	41.1	42.7	42.8	43.5	1.6%	7.7%
Valuation of Housing Permits (Seasonally Adjusted in Millions)	\$85.6	\$91.6	\$77.9	\$100.5	\$77.9	\$96.9	\$101.8	\$98.4	\$93.0	\$98.7	\$74.7	\$77.6	\$95.2	22.7%	11.2%

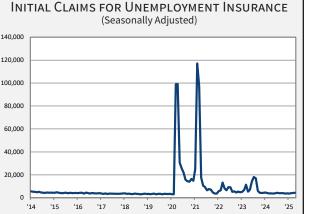


#### **COLUMBUS METROPOLITAN STATISTICAL AREA** Delaware, Fairfield, Franklin, Hocking, Licking, Madison, Morrow, Perry, Pickaway, and Union Counties

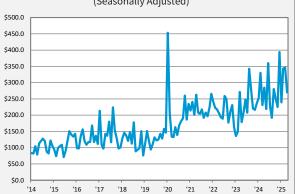
The leading indicator for the Columbus metropolitan area for April 2025 forecasts negative employment growth at an annual rate of -1.02% for the next six months. Seasonally adjusted nonfarm payroll employment was 1,180,900 in April, a 0.3% increase from March.

The number of initial claims for unemployment insurance in April was 4,332, up 5.7% from the number of claims filed last month and up 12.2% from last year. Average weekly manufacturing hours decreased to 34.0 in April. The valuation of permits for new housing construction in April was \$269.7 million, 22.0% less than March and 5.2% less than April 2024.









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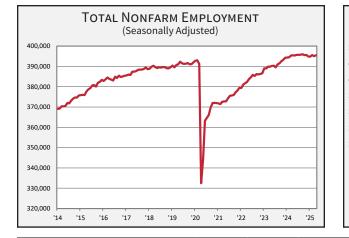
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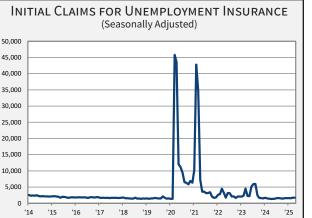
COLUMPUIC	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Percent	Change
Columbus	2024	2024	2024	2024	2024	2024	2024	2024	2024	2025	2025	2025	2025	Month	Year
Nonagricultural Wage and Salary Employment (Seasonally Adjusted in Thousands)	1,163.8	1,168.2	1,170.2	1,169.6	1,171.3	1,173.7	1,171.2	1,172.0	1,173.5	1,169.2	1,173.4	1,176.9	1,180.9	0.3%	1.5%
Initial Claims for Unemployment Insurance (Seasonally Adjusted)	3,860	3,675	3,947	4,274	3,932	4,047	4,038	3,642	3,813	3,641	3,901	4,099	4,332	5.7%	12.2%
Average Weekly Hours for Manufacturing (Seasonally Adjusted)	28.4	29.6	31.5	31.7	30.6	32.4	31.9	33.8	34.4	36.3	37.3	35.7	34.0	-4.8%	19.7%
Valuation of Housing Permits (Seasonally Adjusted in Millions)	\$284.4	\$219.0	\$360.0	\$227.9	\$192.1	\$280.1	\$250.9	\$225.1	\$393.9	\$239.3	\$343.3	\$345.7	\$269.7	-22.0%	-5.2%

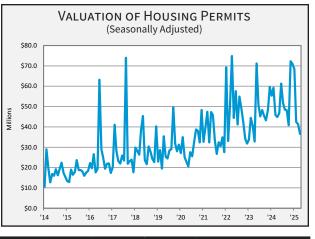
## **DAYTON-KETTERING-BEAVERCREEK METROPOLITAN STATISTICAL AREA** Greene, Miami, and Montgomery Counties

The leading indicator for the Dayton-Kettering-Beavercreek metropolitan area for April 2025 forecasts negative employment growth at an annual rate of -0.91% for the next six months. Seasonally adjusted nonfarm payroll employment was 395,500 in April, up 0.1% from March.

The number of initial claims for unemployment insurance in April was 1,726, down 1.1% from the number of claims filed last month but up 31.0% from last year. The valuation of permits for new housing construction in April was \$36.5 million, an 11.6% decrease from March and an 18.5% decrease from April 2024.







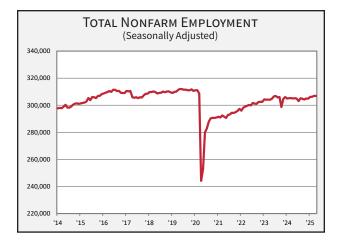
DAYTON-KETTERING-	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Percent	t Change
BEAVERCREEK	2024	2024	2024	2024	2024	2024	2024	2024	2024	2025	2025	2025	2025	Month	Year
Nonagricultural Wage and Salary Employment (Seasonally Adjusted in Thousands)	395.5	395.4	395.7	395.7	395.7	396.0	395.5	395.6	394.9	394.8	395.6	395.1	395.5	0.1%	0.0%
Initial Claims for Unemployment Insurance (Seasonally Adjusted)	1,318	1,334	1,443	1,591	1,605	1,495	1,439	1,593	1,570	1,601	1,534	1,744	1,726	-1.1%	31.0%
Average Weekly Hours for Manufacturing* (Seasonally Adjusted)	40.9	41.0	40.9	40.9	41.4	41.3	41.0	41.2	41.1	41.2	41.1	41.0	41.0	0.0%	0.2%
Valuation of Housing Permits (Seasonally Adjusted in Millions)	\$44.8	\$46.7	\$61.3	\$51.7	\$48.5	\$48.2	\$40.8	\$72.2	\$70.9	\$68.4	\$42.4	\$41.3	\$36.5	-11.6%	-18.5%
(Seasonally Adjusted in Millions) *In 2005, the BLS stopped producing manufac														-11.0%	-18.5%

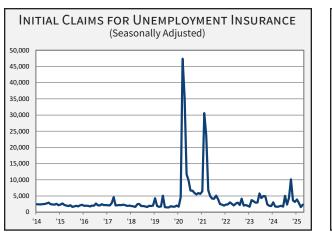


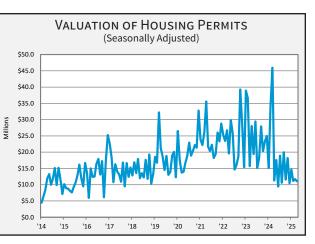
### **TOLEDO METROPOLITAN STATISTICAL AREA** Fulton, Lucas, and Wood Counties

The leading indicator for the Toledo metropolitan area for April 2025 forecasts negative employment growth at an annual rate of -0.18% for the next six months. Seasonally adjusted nonfarm payroll employment was 306,800 in April, down 0.1% from March.

The number of initial claims for unemployment insurance in April was 2,332, up 48.2% from the number of claims filed last month and up 30.7% from last year. The valuation of permits for new housing construction in April was \$11.1 million, a 5.1% decrease from March and a 1.8% decrease from April 2024.







Tourso	Apr	May 2024	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Percent	t Change
TOLEDO	2024	2024	2024	2024	2024	2024	2024	2024	2024	2025	2025	2025	2025	Month	Year
Nonagricultural Wage and Salary Employment (Seasonally Adjusted in Thousands)	305.0	305.2	304.9	303.1	305.2	304.7	304.2	305.0	304.9	306.2	306.2	307.0	306.8	-0.1%	0.6%
Initial Claims for Unemployment Insurance (Seasonally Adjusted)	1,785	1,961	1,721	5,046	2,353	4,445	10,158	3,624	3,160	3,923	2,864	1,574	2,332	48.2%	30.7%
Average Weekly Hours for Manufacturing* (Seasonally Adjusted)	40.9	41.0	40.9	40.9	41.4	41.3	41.0	41.2	41.1	41.2	41.1	41.0	41.0	0.0%	0.2%
Valuation of Housing Permits (Seasonally Adjusted in Millions)	\$11.3	\$17.6	\$9.5	\$18.9	\$10.6	\$20.0	\$11.6	\$18.2	\$10.5	\$14.7	\$11.2	\$11.7	\$11.1	-5.1%	-1.8%

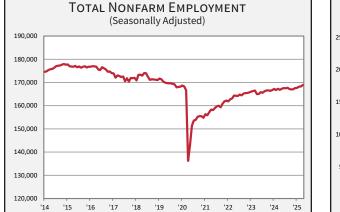
\*In 2005, the BLS stopped producing manufacturing hours for Akron, Canton, Dayton, Toledo, and Youngstown. Starting in February 2005, data for the manufacturing hours for those MSAs are the state values.

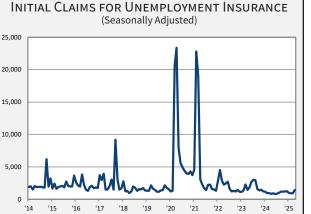


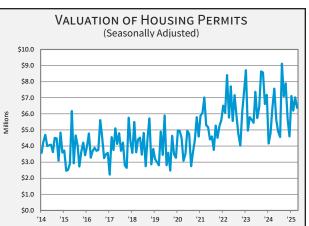
## YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA **Mahoning and Trumbull Counties**

The leading indicator for the Youngstown-Warren metropolitan area for April 2025 forecasts negative employment growth at an annual rate of -1.76% for the next six months. Seasonally adjusted nonfarm payroll employment was 168,900 in April, up 0.4% from March.

The number of initial claims for unemployment insurance in April was 1,445, up 56.2% from the number of claims filed last month and up 74.0% from last year. The valuation of permits for new housing construction in April was \$6.4 million, an 8.6% decrease from March and a 15.8% decrease from April 2024.







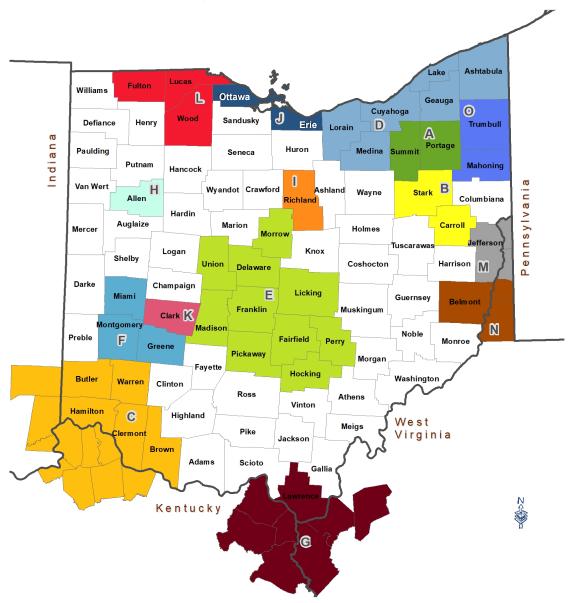
Youngstown-Warren	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Percen	t Change
YOUNGSTOWN-WARREN	2024	2024	2024	2024	2024	2024	2024	2024	2024	2025	2025	2025	2025	Month	Year
Nonagricultural Wage and Salary Employment (Seasonally Adjusted in Thousands)	166.9	167.3	167.6	167.5	167.7	167.2	167.0	167.1	167.6	167.7	168.2	168.3	168.9	0.4%	1.2%
Initial Claims for Unemployment Insurance (Seasonally Adjusted)	831	919	808	865	997	1,182	1,171	1,205	1,246	975	921	925	1,445	56.2%	74.0%
Average Weekly Hours for Manufacturing* (Seasonally Adjusted)	40.9	41.0	40.9	40.9	41.4	41.3	41.0	41.2	41.1	41.2	41.1	41.0	41.0	0.0%	0.2%
Valuation of Housing Permits (Seasonally Adjusted in Millions)	\$7.6	\$5.6	\$4.9	\$4.6	\$9.1	\$7.1	\$7.9	\$5.7	\$4.6	\$7.1	\$6.2	\$7.0	\$6.4	-8.6%	-15.8%



# **OHIO METROPOLITAN STATISTICAL AREAS (MSAs)**

Developed by the U.S. Office of Management and Budget, Metropolitan Statistical Areas are integrated geographic regions comprised of at least one city or urban area (with a population of at least 50,000) and adjacent communities. Metropolitan Statistical Areas make it possible for federal statistical agencies to utilize the same boundaries when publishing statistical data. These are definitions based on analysis of 2010 Census data.

- A. Akron: Portage and Summit counties
- B. Canton-Massillon: Carroll and Stark counties
- C. Cincinnati: Brown, Butler, Clermont, Hamilton, and Warren counties in Ohio; Dearborn, Franklin, and Ohio counties in Indiana; Boone, Bracken, Campbell, Gallatin, Grant, Kenton, and Pendleton counties in Kentucky
- D. Cleveland: Ashtabula, Cuyahoga, Geauga, Lake, Lorain, and Medina counties
- E. Columbus: Delaware, Fairfield, Franklin, Hocking, Licking, Madison, Morrow, Perry, Pickaway, and Union counties
- F. Dayton-Kettering-Beavercreek: Greene, Miami, and Montgomery counties
- G. Huntington-Ashland: Lawrence County in Ohio; Boyd, Carter, Greenup, and Lawrence counties in Kentucky; Cabell, Putnam, and Wayne counties in West Virginia
- H. Lima: Allen County
- I. Mansfield: Richland County
- J. Sandusky: Erie and Ottawa counties
- K. Springfield: Clark County
- L. Toledo: Fulton, Lucas, and Wood counties
- M. Weirton-Steubenville: Jefferson County in Ohio; Brooke and Hancock counties in West Virginia
- N. Wheeling: Belmont County in Ohio; Marshall and Ohio counties in West Virginia
- O. Youngstown-Warren: Mahoning and Trumbull counties



# **TECHNICAL NOTES**

The leading economic indicators for Ohio and the eight largest Metropolitan Statistical Areas (MSAs) are designed to anticipate changes in area economies. The Gross National Product is the accepted measure of economic activity at the national level, but there are no monthly measures of the dollar value of goods and services at the state and metropolitan levels. Instead, the Ohio leading indicators forecast the growth rates of total nonfarm employment for each area.

The leading indicators are generated with vector auto regression models using six inputs. The inputs are statistically significant predictors of Ohio total nonfarm growth rates at the 90 percent confidence level.

The six inputs are:

- U.S. Leading Indicator (Source: The Conference Board, <u>https://www.conference-board.org/data/bcicountry.cfm?cid=1</u>)
- U.S. Industrial Production in the Manufacturing Sector (Source: Federal Reserve Bank of St. Louis, <u>https://fred.stlouisfed.org/series/IPMAN</u>)
- Unemployment Insurance Claims (Source: Ohio Department of Job and Family Services, <u>https://ohiolmi.com/home/UIclaims</u>)
- Housing Valuations (Source: U.S. Census Bureau, https://www.census.gov/construction/bps/)
- Manufacturing Hours (Source: Current Employment Statistics program, <u>https://ohiolmi.com/portals/206/CES/LMR.pdf</u>)
- Job Openings and Labor Turnover Survey (Source: U.S. Bureau of Labor Statistics, Job Openings and Labor Turnover Survey Home Page (bls.gov))

The models forecast growth rates for six time-horizons (one to six months); the published forecast is an annualized average of those forecasts. The models use rolling 120-month windows of data. Each month, a new month of data is added (the most current available) and the oldest month is dropped. This approach allows for possible structural changes in the economy over time. All data series are converted monthly growth rates using the first difference of the natural logarithms multiplied by 100. Seasonal adjustments are made within the models using the U.S. Census' X-13ARIMA-SEATS program; seasonally adjusted data from the leading indicator models will not match data from original sources.

The forecasting models for the Ohio leading indicators are 'real time' processes that do not build on previous forecasts. For this reason, the Ohio leading indicators should not be used as a time series. The models use data as they are available each month, including revisions to older data. For example, monthly data releases may be preliminary and later revised, other series are revised during annual 'benchmarking' and occasionally a series may be reindexed to a new time point. Some of these revisions could be substantial.

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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.

This periodical is published under the direction of Bureau Chief, Nick Wallace. For further information, visit <u>OhioLMI.com</u> or call the Ohio Bureau of Labor Market Information at (614) 752-9494.

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