From Economic Slowdown to Recession

Iryna Demko  
*Cleveland State University*, i.demko@csuohio.edu

Iryna Lendel  
*Cleveland State University*, i.lendel@csuohio.edu

Merissa Piazza  
*Cleveland State University*, m.c.piazza83@csuohio.edu

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The most recent recession, known as the “Great Recession,” began in December 2007 and ended in June 2009.\textsuperscript{1} The recession affected the entire U.S., but its impacts were not uniform. Unfortunately, Ohio was a primary example of the recession’s iniquities as the recession lasted five months longer here compared to the rest of the nation.\textsuperscript{2} Now, with the COVID-19 pandemic, we face further uncertainty and another recession with economic activity contracting “sharply and abruptly” across the entire U.S.\textsuperscript{3} This research brief examines the state of the economy in the U.S. and Northeast Ohio\textsuperscript{4} pre-pandemic (2019) and provides an analysis of the immediate impacts of social distancing measures and mandated closures in 2020.

**2019 Economic Slowdown**

When an economy faces a recession, sales and revenues decrease for businesses, causing a decline in growth. As companies struggle with less cash and revenue, they first try to reduce costs through hiring freezes, lowering wages, and/or layoffs, resulting in employment declines. Last year (2019) marked a significant slowdown in statewide employment growth. From 2010 to 2018, Ohio added an average of 58,500 jobs each year; in 2019, employment increased significantly less by only 8,200 jobs.\textsuperscript{5} This decline indicates that businesses were hiring fewer people, and economic growth was already slowing.

The trade war significantly stalled economic growth in 2019. The Federal Reserve Bank of Cleveland reported persistent trade-related uncertainties with economic implications in Ohio and parts of neighboring states (Pennsylvania, Kentucky, and West Virginia).\textsuperscript{6} Shipping activity continued to fall due to freight volumes declining in the manufacturing sector and structural changes in transpacific shipping supply chains. Tariffs increased costs for manufacturers, and, in turn, manufacturing companies passed these costs on to consumers. Additionally, agriculture was not impervious to tariffs, especially soybeans, Ohio’s largest agricultural export product. The 25% tariff on soybeans imposed by China in the summer of 2018 resulted in 60% soybean export declines.\textsuperscript{7}

Many economists look to the manufacturing sector as a key indicator of the economy’s overall health due to a significant supply chain and employment support for other regional companies. After California and Texas, Ohio is the third-largest manufacturing state, yielding $112 billion in economic output and employing more than 700,000 workers in 2019.\textsuperscript{8}

![Figure 1. National Manufacturing Trends, January 2019 to April 2020](Image)
Twelve days after the World Health Organization (WHO) declared COVID-19 a pandemic, Ohio Governor Mike DeWine announced that the state would be under a “Stay at Home” order. Effective March 23rd, the order required all but essential businesses to operate in the state, ceasing all other activities. From April 19th to April 20th, four metro areas in Northeast Ohio lost 4,600 manufacturing jobs (Figure 2).9

**Figure 2. Manufacturing Employment in NEO Metro Areas, January 2019 to March 2020**

![Graph showing manufacturing employment in NEO metro areas, January 2019 to March 2020.](image)

*Source: Ohio Bureau of Labor Market Information*

Furthermore, the mandatory closing of many businesses and activities continues to impact the growing number of unemployment claims. The Worker Adjustment and Retraining Notification Act (WARN) notices reported layoff numbers due to businesses closing. Northeast Ohio accounted for 40%, or 9,363 out of 23,454, of all layoffs in Ohio recorded through the WARN notices (Table 1). The majority of corresponding layoffs cite the COVID-19 pandemic as the cause and are specified as temporary, assuming workers will be called back once their business reopens.

In Northeast Ohio, the most affected industries are auto manufacturing, entertainment and arts, accommodation, and food service (Table 1). From the WARN notices, we can see that JACK Entertainment reported the largest layoff numbers, letting go of 1,561 employees. Additionally, the Rock & Roll Hall of Fame in Cleveland temporarily laid off 108 people. Meanwhile, U.S. Steel reported the largest non-coronavirus related mass layoff, idling two tubular plants in both Texas and Ohio along with the temporary closing of its Lorain facility, resulting in 250 unemployed people. Ultra Premium Services LLC, the Trumbull County pipe company, notified its 121 employees that the company would temporarily cease operations due to the unanticipated international oil-price conflict and sudden, drastic drop in oil prices.

**Figure 3. Unemployment Insurance Claims in Ohio**

![Graph showing unemployment insurance claims in Ohio.](image)

*Source: U.S. Department of Labor*

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9 Ohio Bureau of Labor Market Information data for the Cleveland-Elyria MSA, Akron MSA, Youngstown-Warren-Boardman MSA, and Canton-Massillon MSA.
10 Including, but not limited to, locations with zoos, fairs, funplexes, arcades, museums, carnivals, aquariums, playgrounds, water parks, theme parks, bowling alleys, amusement rides, amusement parks, children’s play centers, movie and other theaters, concert and music halls, and country clubs or social clubs.
Table 1. WARN Notices Layoffs in NEO and Ohio by Industry

<table>
<thead>
<tr>
<th>Sector</th>
<th>NEO WARN Layoffs Notices</th>
<th>Ohio WARN Layoff Notices</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Affected Jobs</td>
<td>Percentage of Total</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>3,204</td>
<td>34%</td>
</tr>
<tr>
<td>Arts, Entertainment,</td>
<td>1,669</td>
<td>18%</td>
</tr>
<tr>
<td>and Recreation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accommodation and</td>
<td>1,607</td>
<td>17%</td>
</tr>
<tr>
<td>Food Services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Retail Trade</td>
<td>969</td>
<td>10%</td>
</tr>
<tr>
<td>Health Care and Social</td>
<td>703</td>
<td>8%</td>
</tr>
<tr>
<td>Assistance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information</td>
<td>557</td>
<td>6%</td>
</tr>
<tr>
<td>Business Support Services</td>
<td>283</td>
<td>3%</td>
</tr>
<tr>
<td>Transportation and Warehousing</td>
<td>229</td>
<td>2%</td>
</tr>
<tr>
<td>Educational Services</td>
<td>83</td>
<td>1%</td>
</tr>
<tr>
<td>Finance and Insurance</td>
<td>56</td>
<td>1%</td>
</tr>
<tr>
<td>Construction</td>
<td>3</td>
<td>0.03%</td>
</tr>
<tr>
<td>Other Industries</td>
<td>-</td>
<td>0%</td>
</tr>
<tr>
<td><strong>Total Number of Jobs</strong></td>
<td><strong>9,363</strong></td>
<td></td>
</tr>
</tbody>
</table>

Source: Ohio Department of Job and Family Services for the period 1/6/2020 to 4/13/2020

Decline in Consumer Spending

Consumer spending accounts for the majority of GDP growth in the U.S., fueling all sectors of the national economy. Consumer confidence is one indicator derived from consumer surveys, which gauges participants’ optimism about the economy’s health by assessing their confidence regarding future income and, consequently, their spending (Index of Consumer Sentiment). In turn, if the index goes up compared to the previous month, consumers should be willing to spend more money and vice versa. In early April 2020, this index plunged 18.1 index-points compared to March, representing the largest monthly decline ever recorded in the history of the series (Figure 4). This sharp decline indicates that consumers are significantly tightening their budgets and not spending their earnings or savings.

Due to the disruption the COVID-19 pandemic caused to the aerospace and travel industries, TransDigm Group Inc., a producer of aerospace components headquartered in Cleveland, announced a 15% cut in its workforce, or 2,745 out of 18,300 employees. Good-year Tire & Rubber Co., with 2,400 employees in Akron, temporarily furloughed employees and closed manufacturing plants as demand for their products evaporated. While one might expect high demand for healthcare workers during this time, Summa Health in Akron, Aultman Health and Mercy Medical Center in Canton, and Ashtabula County Medical Center furloughed at least 760 employees as a result of suspending elective surgeries and procedures.

Figure 4. Index of Consumer Sentiment

Source: The University of Michigan

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14 Survey of Consumers Retrieved from http://www.sca.isr.umich.edu/
Opportunities in the Region

The COVID-19 pandemic has caused a sharp increase in demand for Personal Protective Equipment (PPE) used by healthcare workers, first respondents, and essential employees to help fight the virus. Several companies in Northeast Ohio are working to increase the supply of in-demand PPE. For example, JoAnn Fabrics and Crafts, a crafts and fabrics retailer based in Hudson of Summit County, set a goal to donate 100 million masks locally.15 \textit{Little Tikes}, manufacturer of children’s toys, with headquarters and manufacturing located in Hudson, have joined the initiative to produce up to one million face shields.16 Meanwhile, \textit{Steris}, an infection prevention producer and services provider in Lake County, received FDA authorization to produce a decontamination solution for respiratory masks.17 \textit{Invacare Corporation}, a medical equipment provider in Lorain County, is adding shifts to satisfy an enormous demand for its oxygen concentrators and medical beds.18 A new Cleveland company called \textit{SecondBreath LLC} received federal approval to produce ventilators for coronavirus patients.19 Also, \textit{ROE Dental Laboratory} in Cleveland has the capacity to produce 10,000 to 20,000 of swabs per day needed to support diagnostic testing in Ohio.20 \textit{GOJO}, the maker of hand hygiene products in Akron, Ohio, have been operating around the clock since January to meet the high demand for hand sanitizer worldwide.21

For the first two weeks in April, the healthcare sector accounted for the highest share of job postings in Northeast Ohio (42%, or 1,394 openings).22 \textit{Cleveland Clinic} and \textit{ATC Healthcare Services} have almost 500 job openings for physicians, pharmacists, registered nurses, medical assistants, and home care aides. One-third of all regional new job postings are coming from the wholesale sector, including \textit{Amazon}. Amazon is primarily looking for fulfillment associates, delivery drivers, operations managers, and warehouse team members. Grocery and drug stores (such as \textit{Dollar Tree Inc.}, \textit{Dollar General}, \textit{Aldi}, \textit{CVS}, \textit{Walmart}, and \textit{Target}) are hiring cashiers, team members, team leads, pharmacy technicians, and night stock team members, representing 456 open positions total. Furthermore, the manufacturing sector posted ads for 114 jobs in April. Finally, \textit{J.M. Smucker Co.}, a food manufacturer in Wayne County, had 45 open positions. Among others, security and safety officers are in demand with 67 positions open across the region.

Nonetheless, current job openings in the region represent a small fraction of the total number of layoffs. As the economy reopens, some of these job openings will become obsolete as the economy realigns to a new normal. Therefore, government assistance to people, businesses, and communities is key to mitigating the negative economic consequences of forced business closings.

Final Thoughts

The increase in telecommuting, adherence to the “Stay at Home” Order, and early closing of businesses have led to a lower loss of lives from COVID-19 than initially projected, indicating that social distancing works. However, the economic impact of COVID-19 is a consequence that all people, businesses, governments, and organizations are still sorting out. The weakening economy in 2019 and mandatory closing order in 2020 may leave some businesses unable to reopen their doors.

As the economy gradually reopens, the workplace will look different due to continued social distancing measures, including masks, temperature checks, and frequent sanitizing. Morgan Stanley projects prolonged or intermittent social distancing may be necessary into 2022 to avoid overwhelming healthcare capacities and a resurgence of the pandemic.23 Overall, the culmination of these events may cause a larger and longer slowdown, resulting in a lengthy recovery.

\textit{May 2020}

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16 Nethers, D. (2020, April). \textit{Little Tikes shifts gears from toys to medical equipment}. \textit{FOX8}.
19 Eaton, C. (2020, April 14). New Cleveland company gets federal approval to produce ventilators during coronavirus pandemic. Cleveland.com
22 Based on the data from the Greater Cleveland Partnership, Ohio Means Jobs and https://jobsearch.ohio.gov web-sites.
23 Harrison, M. (2020, April 15). \textit{After the coronavirus peak, what’s next? Morgan Stanley}. Please share your comments with Dr. Iryna Demko at i.demko@csuohio.edu

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