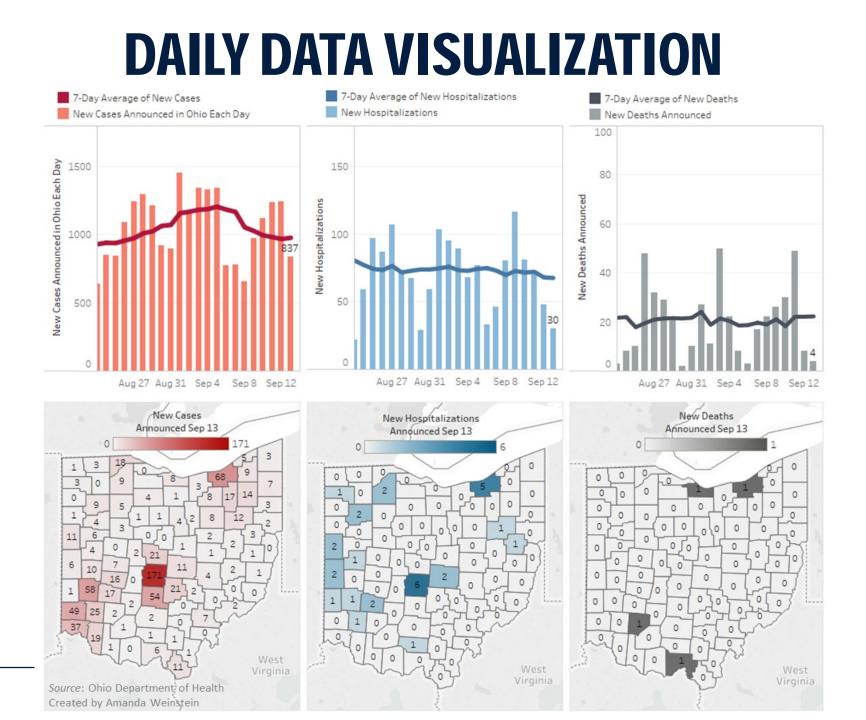
COVID-19 By the Numbers



Dr. Amanda L. Weinstein Associate Professor, Department of Economics College of Business Administration September 14, 2020



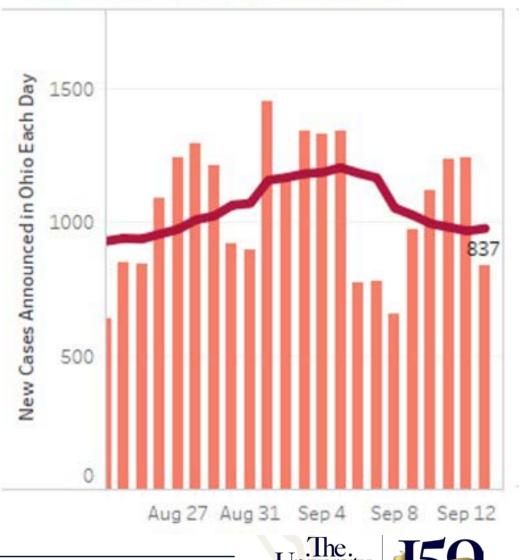


CORONAVIRUS CASES

- New cases announced each day (837)
- 7-day average (978)
- 0.9% ↑ in the 7day average

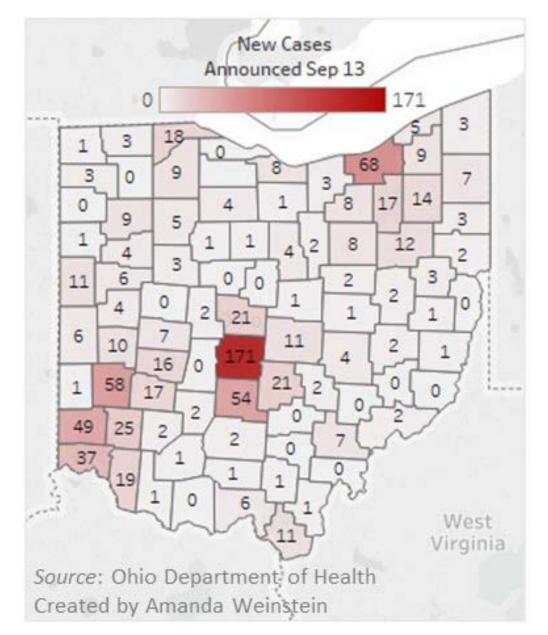


7-Day Average of New Cases New Cases Announced in Ohio Each Day



CORONAVIRUS CASES

- Pinpoint where outbreaks are
- Counties with large college campuses
 - 1. OSU (2,242): Franklin County
 - 2. UD (1,205): Montgomery County
 - 3. Miami (968): Butler County





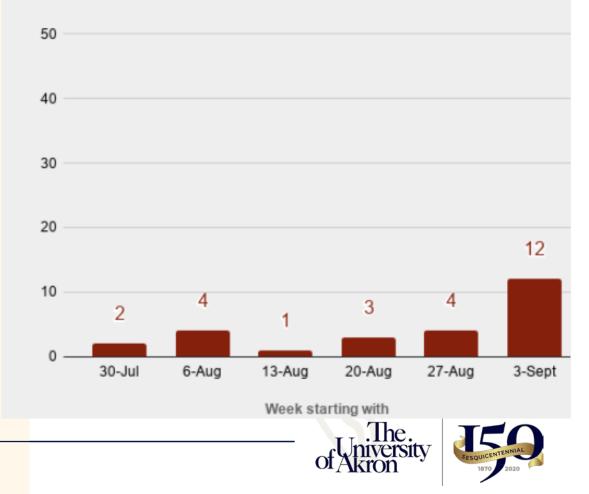


UNIVERSITY OF AKRON CASES

• UA (26): Summit County

POSITIVE CASES BY WEEK

Figures include students, employees and contractors whose positive test came within 14 days of being on campus.



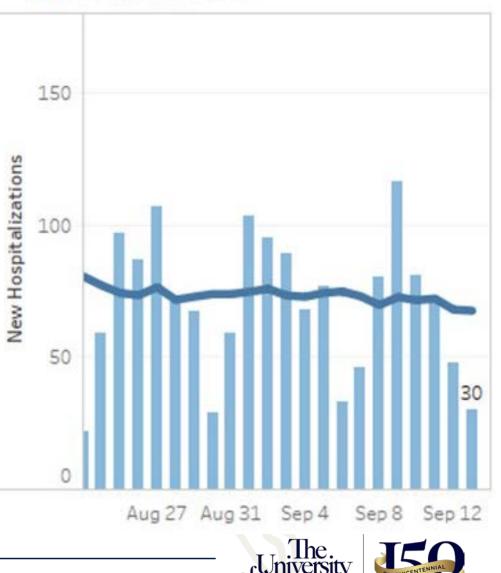


7-Day Average of New Hospitalizations

New Hospitalizations

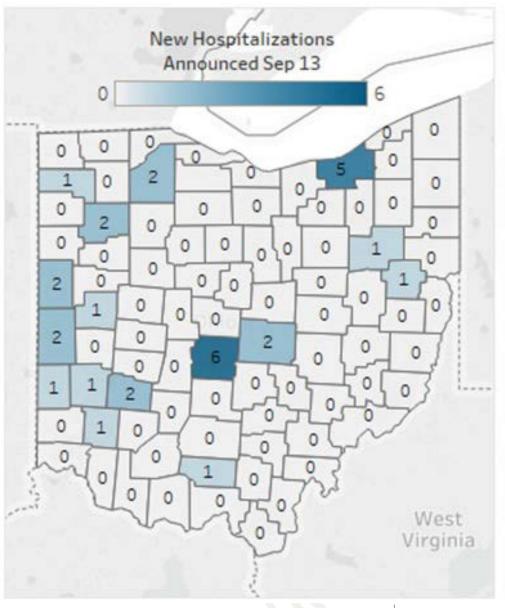
CORONAVIRUS HOSPITALIZATIONS

- New hospitalizations (30)
- 7-day average (68)
- 0.6% ↓ in the 7day average



CORONAVIRUS HOSPITALIZATIONS

- Location of new hospitalizations
- More serious outbreaks
- Rural areas have less access to hospitals

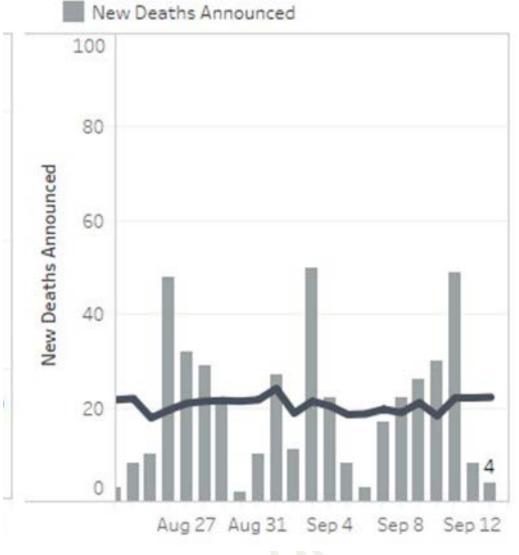






CORONAVIRUS DEATHS

- New deaths announced (4)
- 7-day average (22)
- 0.6% ↑ in the 7day average

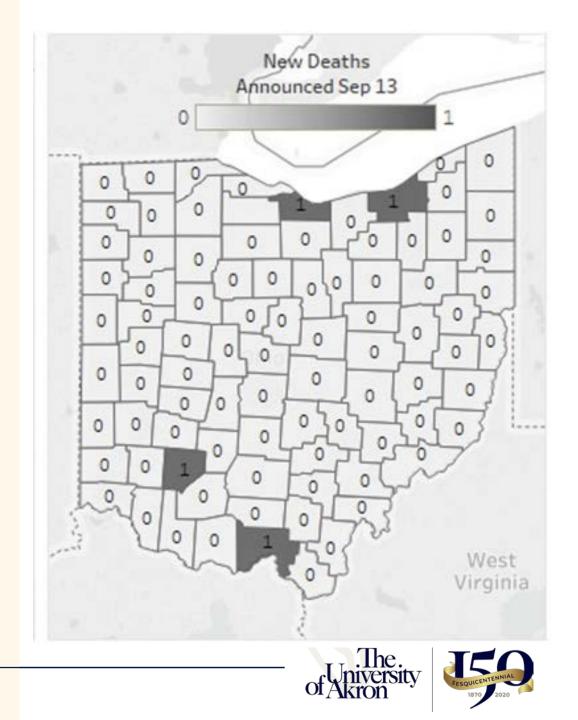


7-Day Average of New Deaths

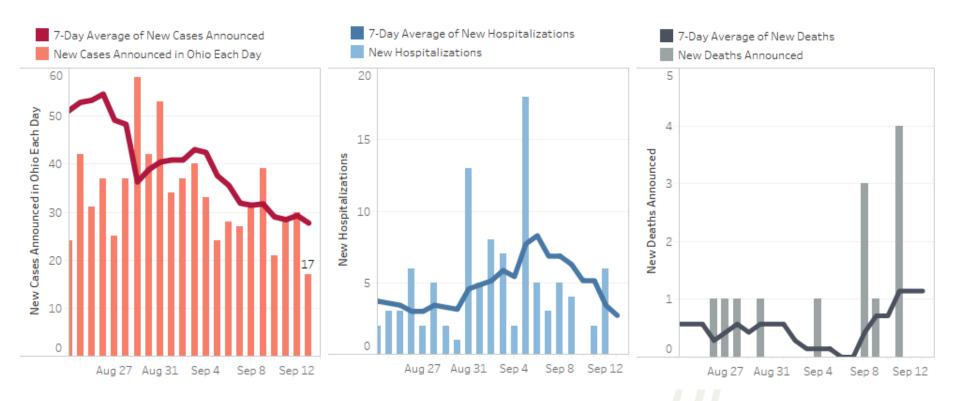


CORONAVIRUS DEATHS

• New deaths announced by county

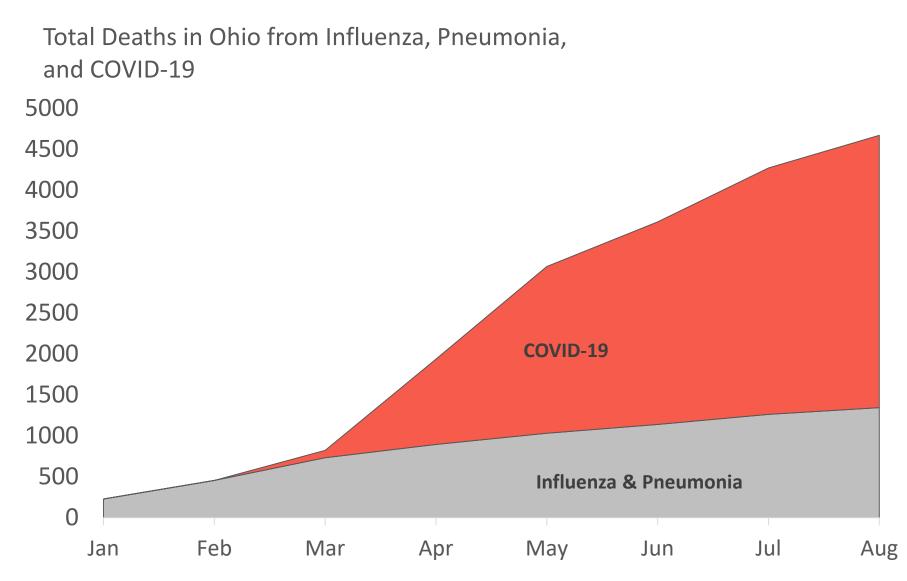


SUMMIT COUNTY



University Akron

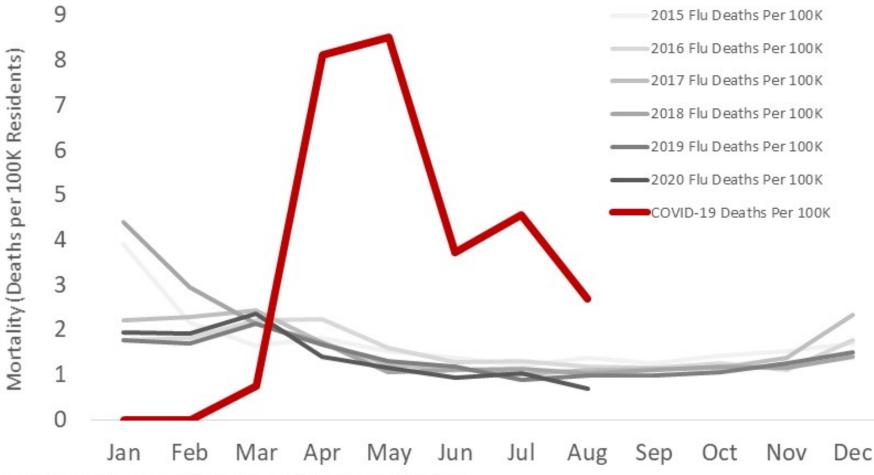
TOTAL DEATHS



Source: Ohio Public Health Information Warehouse Ohio Department of Health Created by Amanda Weinstein

MORTALITY

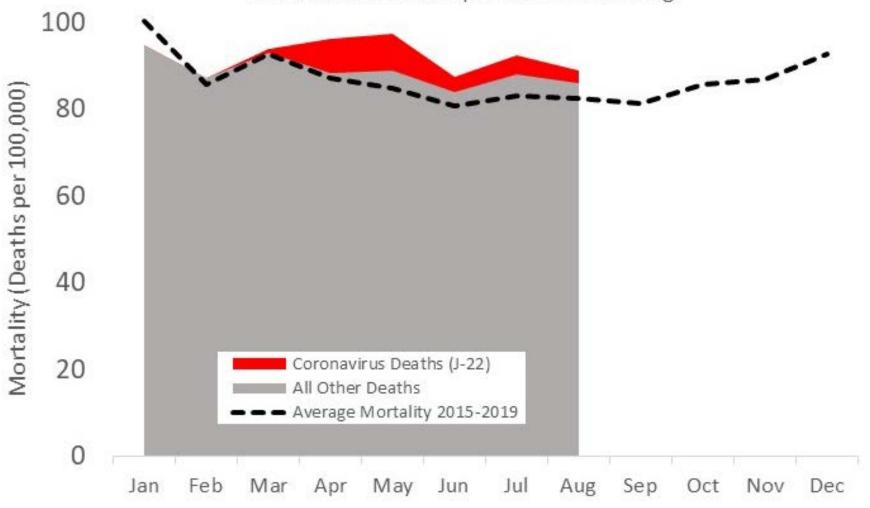
Mortality from COVID-19 in Ohio nearly 6 Times Higher than Mortality from Influenza & Pneumonia in April



Source: Ohio Public Health Information Warehouse Ohio Department of Health Created by Amanda Weinstein

EXCESS DEATHS

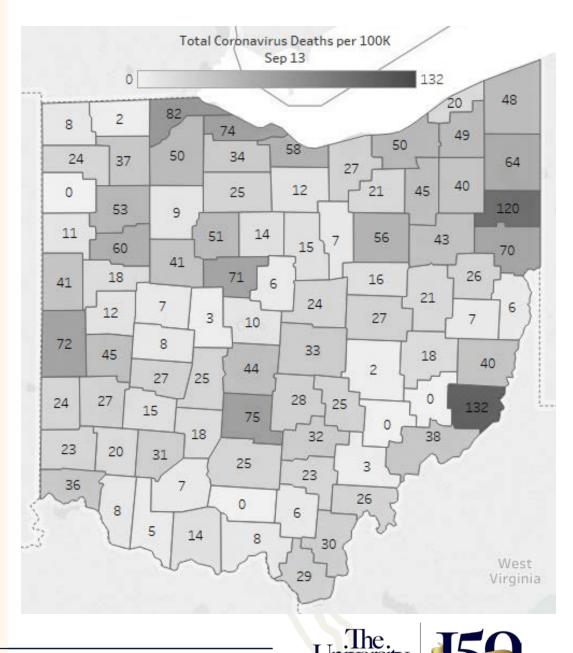
46 additional deaths per 100K March-Aug



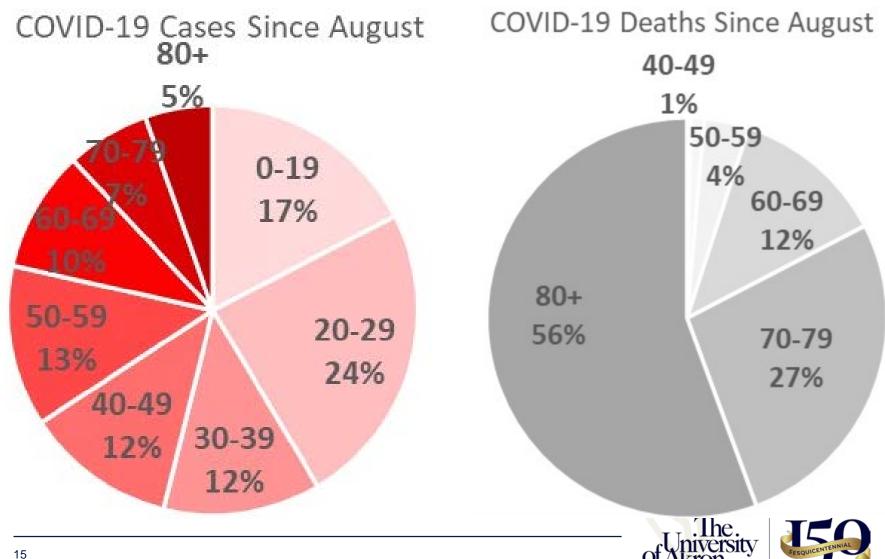
Source: Ohio Public Health Information Warehouse Ohio Department of Health Created by Amanda Weinstein

CORONAVIRUS MORTALITY

- Total deaths per 100,000 people
- Mahoning county (Youngstown) has one of the highest mortality rates in Ohio



BY AGE



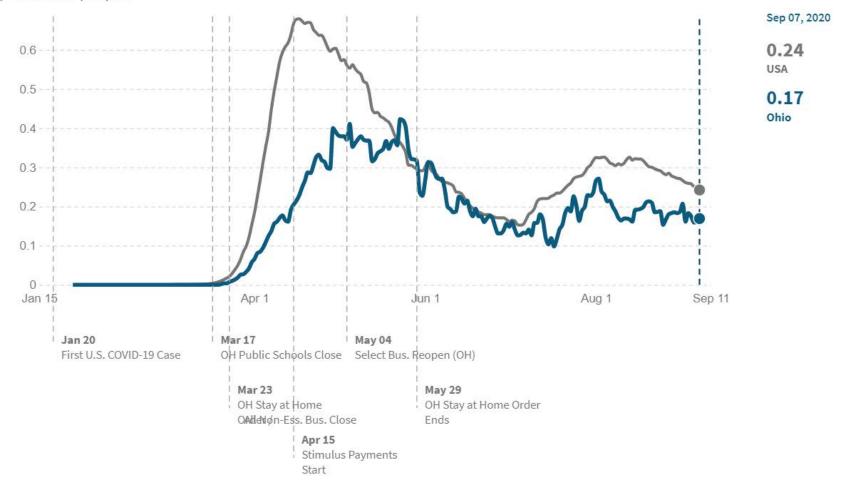
MORTALITY: OHIO AND THE NATION

OPPORTUNITY INSIGHTS ECONOMIC TRACKER HARVARD BROWN

BILL& MELINDA

Daily Reported COVID-19 Deaths per 100,000 People*

In **Ohio**, on September 07 2020, there were **0.17** newly reported COVID-19 deaths per 100,000 people.



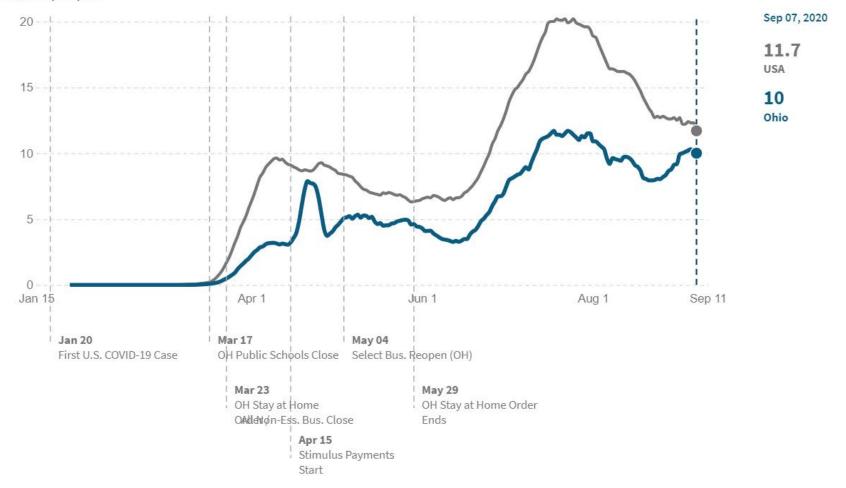
CASES: OHIO AND THE NATION

ECONOMIC TRACKER

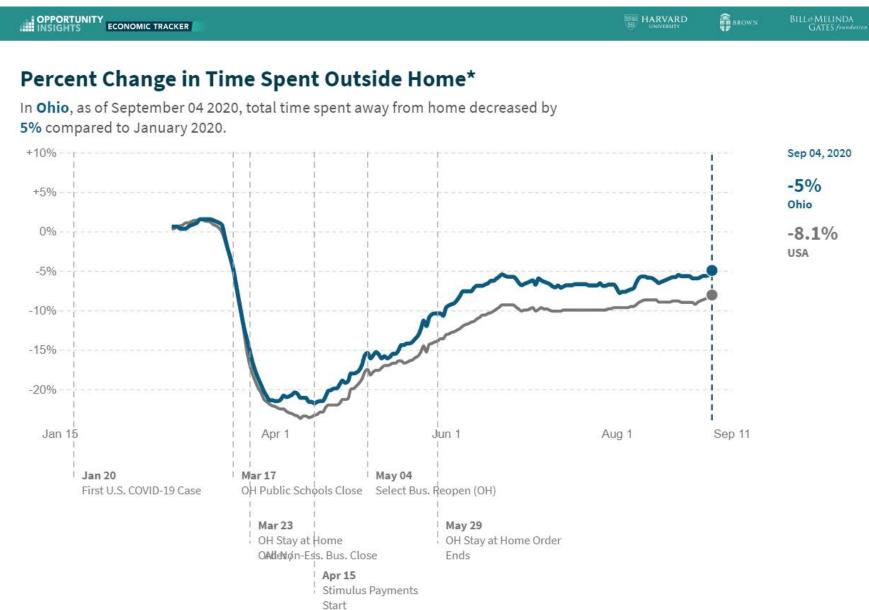
SILL& MELINDA GATES foundari

Daily Reported COVID-19 Cases per 100,000 People*

In **Ohio**, on September 07 2020, there were **10** newly reported COVID-19 cases per 100,000 people.



LESS TIME OUTSIDE HOME



LOWER CONSUMER SPENDING

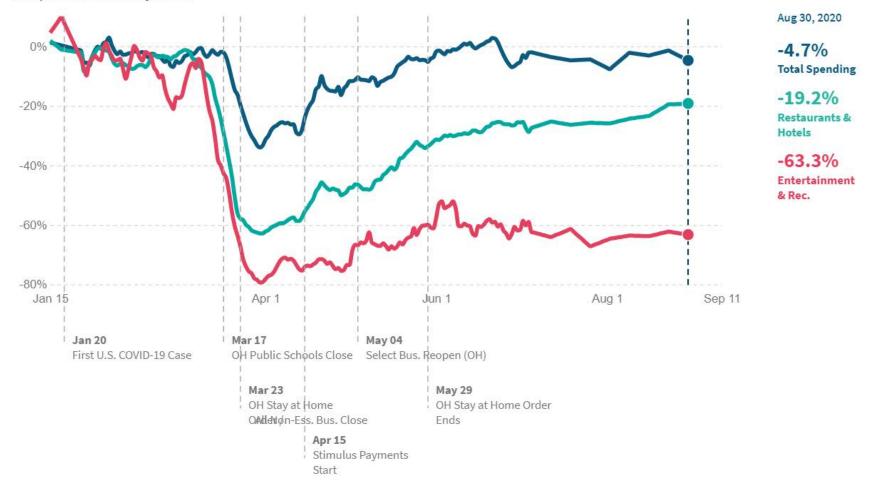
ECONOMIC TRACKER

BILL& MELIND

BROWN

Percent Change in All Consumer Spending*

In **Ohio**, as of August 30 2020, total spending by all consumers decreased by **4.7%** compared to January 2020.



LOWER EMPLOYMENT

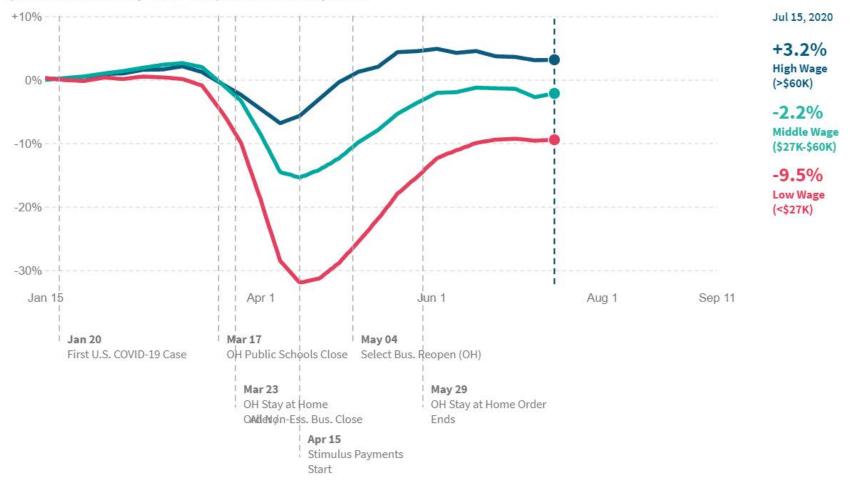
ECONOMIC TRACKER

BROWN

BILL& MELINDA GATES founda

Percent Change in Employment*

In **Ohio**, as of July 15 2020, employment rates among workers in the top wage quartile increased by **3.2%** compared to January 2020.

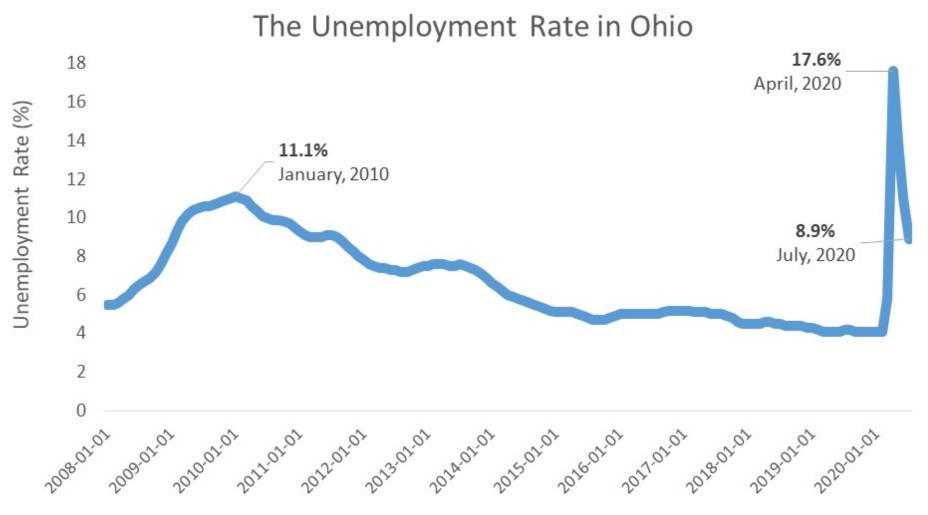


WEEKLY UNEMPLOYMENT CLAIMS

Ohio Weekly Claims for Unemployment Insurance Nearly 1.7 Million During the Coronavirus Pandemic 300,000 274,288 250,000 200.000 150,000 100.000 40,829 1.2 Million Total Weekly Claims in 1 Year of the Great Recession 50,000 18,786 0 28-Feb-10 31-Aug-10 28-Feb-14 29-Feb-16 31-Aug-11 30-Aug-08 8-Feb-17 8-Feb-09 31-Aug-09 31-Aug-13 31-Aug-14 31-Aug-15 31-Aug-16 31-Aug-18 31-Aug-19 29-Feb-12 31-Aug-12 28-Feb-13 28-Feb-15 31-Aug-17 8-Feb-18 28-Feb-19 29-Feb-20 8-Feb-11

Source: US DOL, Ohio Department of Job and Family Services Created by Dr. Amanda Weinstein

UNEMPLOYMENT



Source: BLS, FRED Created by Amanda Weinstein

BIG IMPACT ON SMALL BUSINESS

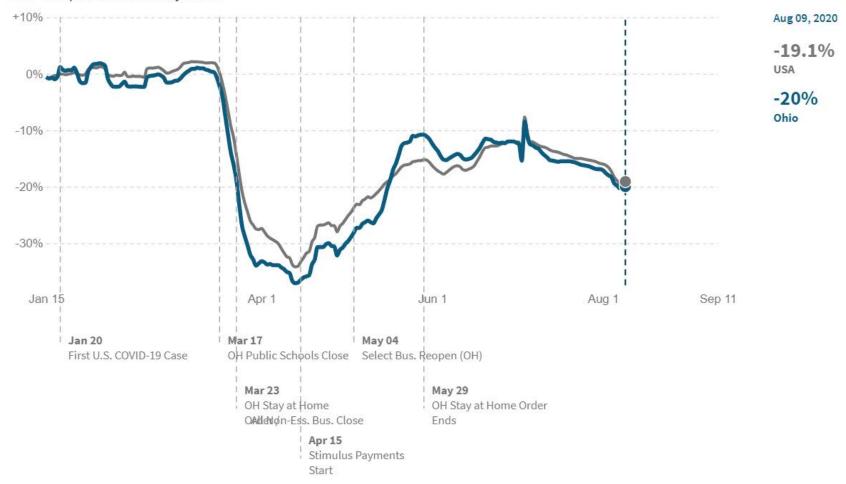
ECONOMIC TRACKER

BROWN

BILL& MELINDA GATES founda

Percent Change in Number of Small Businesses Open*

In **Ohio**, as of August 09 2020, the number of small businesses open decreased by **20%** compared to January 2020.



BIG IMPACT ON EDUCATION

- Recessions usually boost enrollment – not this time (gap year)
- Lower enrollment, trend of declining state funding → lower revenue
- Higher costs (cleaning supplies, hand sanitizer, microphones, ...)

ACADEMIC INSTRUCTION

1,458 2,431 129 275 50% 75%

LEGEND

Course sections

Hybrid/in-person (Some instruction online and some instruction face-to-face. Students must come to campus for hybrid classes.)

Remote/online (Class is fully online or at a remote location, like a nursing clinical. Students do not need to come to campus..)

Dual-delivery (Face-to-face class meetings are streamed via WebEx or Teams, so instruction is simultaneously in person and online live.)





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Questions

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@ProfWeinstein

September 14, 2020

