

35<sup>th</sup>

Oakland County.

# Economic Outlook

B R O A D C A S T



35<sup>th</sup> Oakland County.  
**Economic  
Outlook**  
B R O A D C A S T

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**Begins at 11:30 a.m.**

Summary at: [OakGov.com/business/business-development/economic-outlook](https://oakgov.com/business/business-development/economic-outlook)

[OakGov.com/business/business-development/economic-outlook](https://oakgov.com/business/business-development/economic-outlook)



**David Coulter,**  
*Oakland County  
Executive*



**Dr. Gabriel M. Ehrlich,**  
*University of Michigan*



**Donald R. Grimes,**  
*University of Michigan*

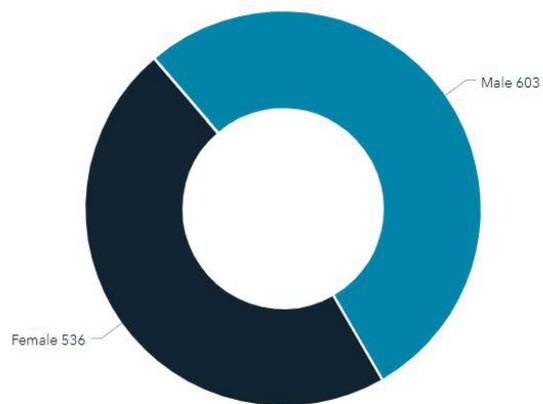


**15,983**  
Total Cases<sup>1</sup>

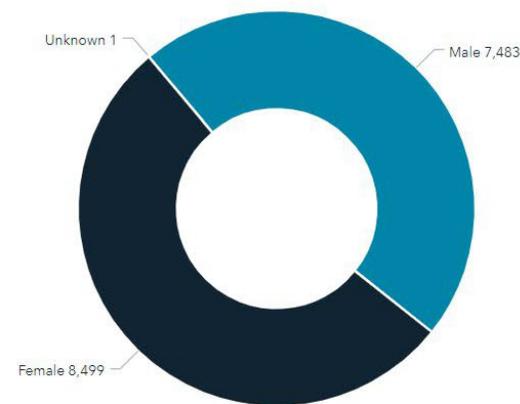
**1,139**  
Total Deaths

**12,899**  
Total Recovered<sup>2</sup>

Deaths by Gender



Cases by Gender

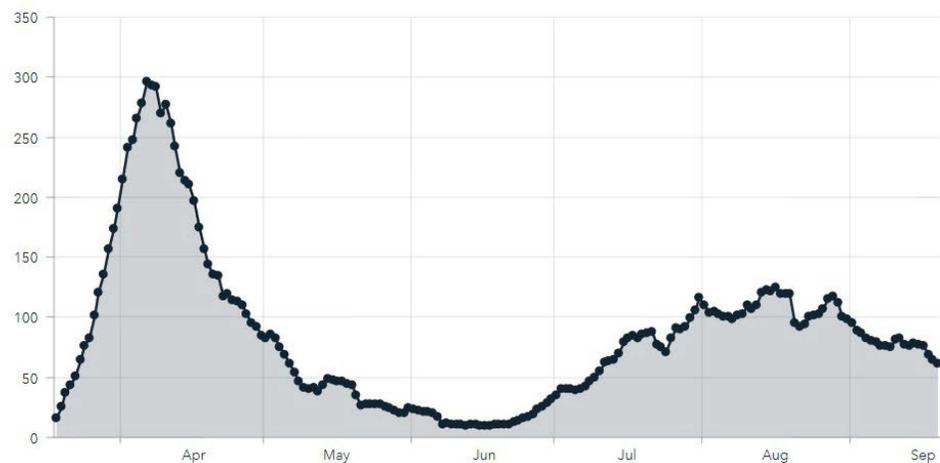


Counts by Day\*

Date	Cases
19-Sep	18
18-Sep	61
17-Sep	85
16-Sep	82
15-Sep	64
14-Sep	72
13-Sep	46
12-Sep	44
11-Sep	92
10-Sep	131
9-Sep	89

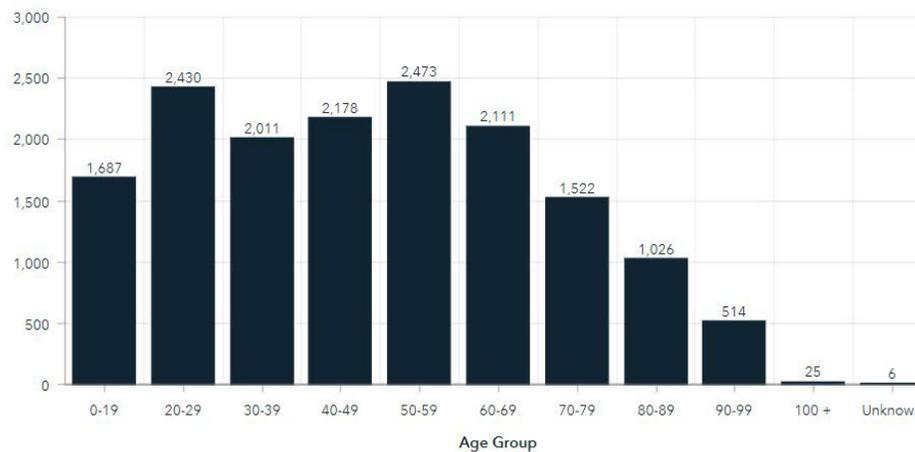
Counts About

7 Day Average of Daily Cases



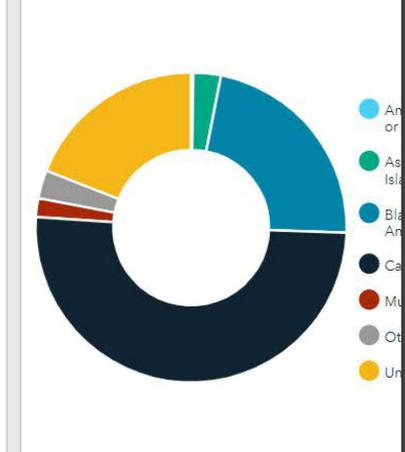
7 Day Case Average 7 Day Death Average Total Confirmed Cases

Cases by Age Group

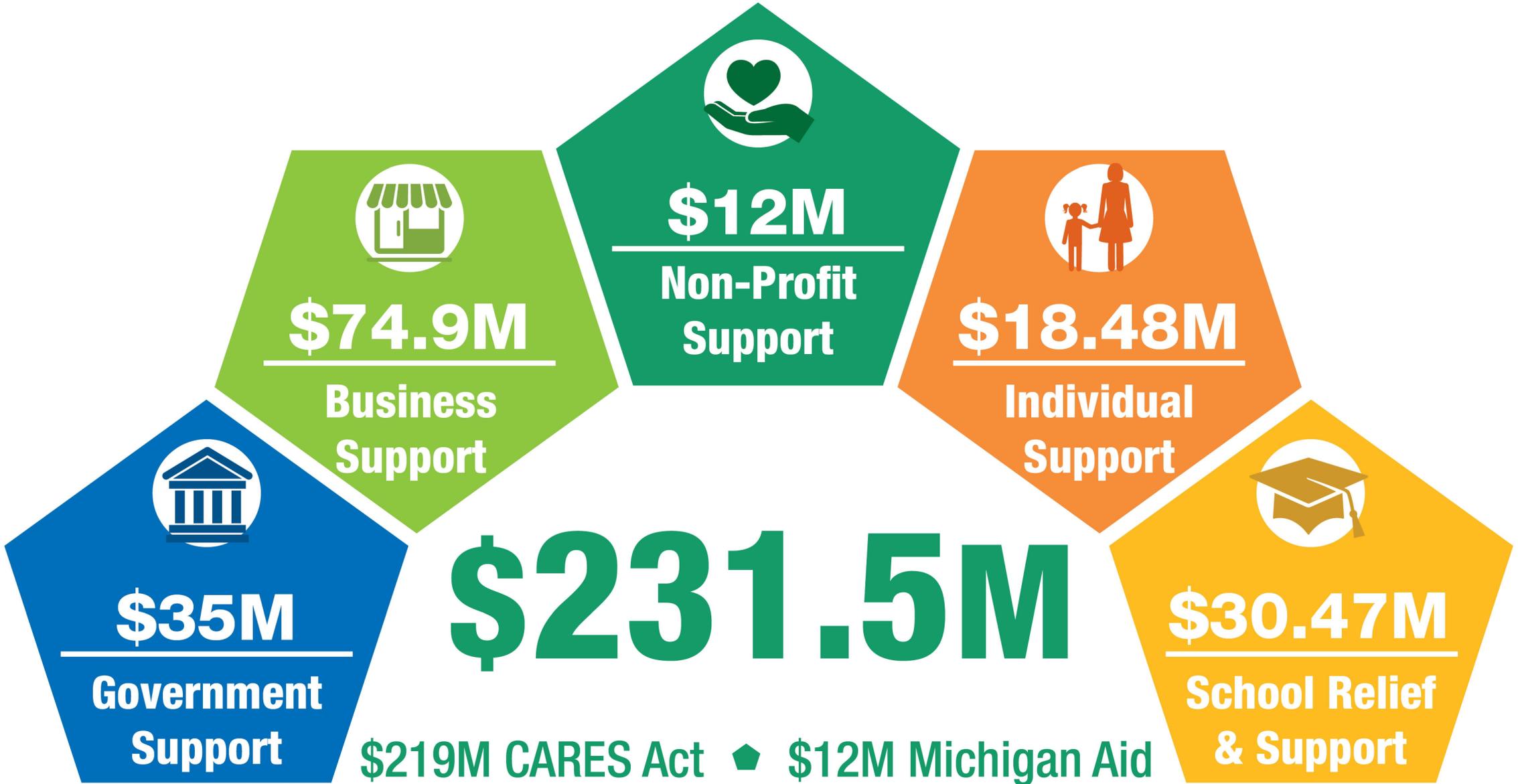


Cases by Age Group Cases by Age & Gender Deaths by Age Group Deaths by Age & Gender

Percentage of Cases by Race



Cases by Race Deaths by Race



**\$35M**

**Government Support**



**\$74.9M**

**Business Support**



**\$12M**

**Non-Profit Support**



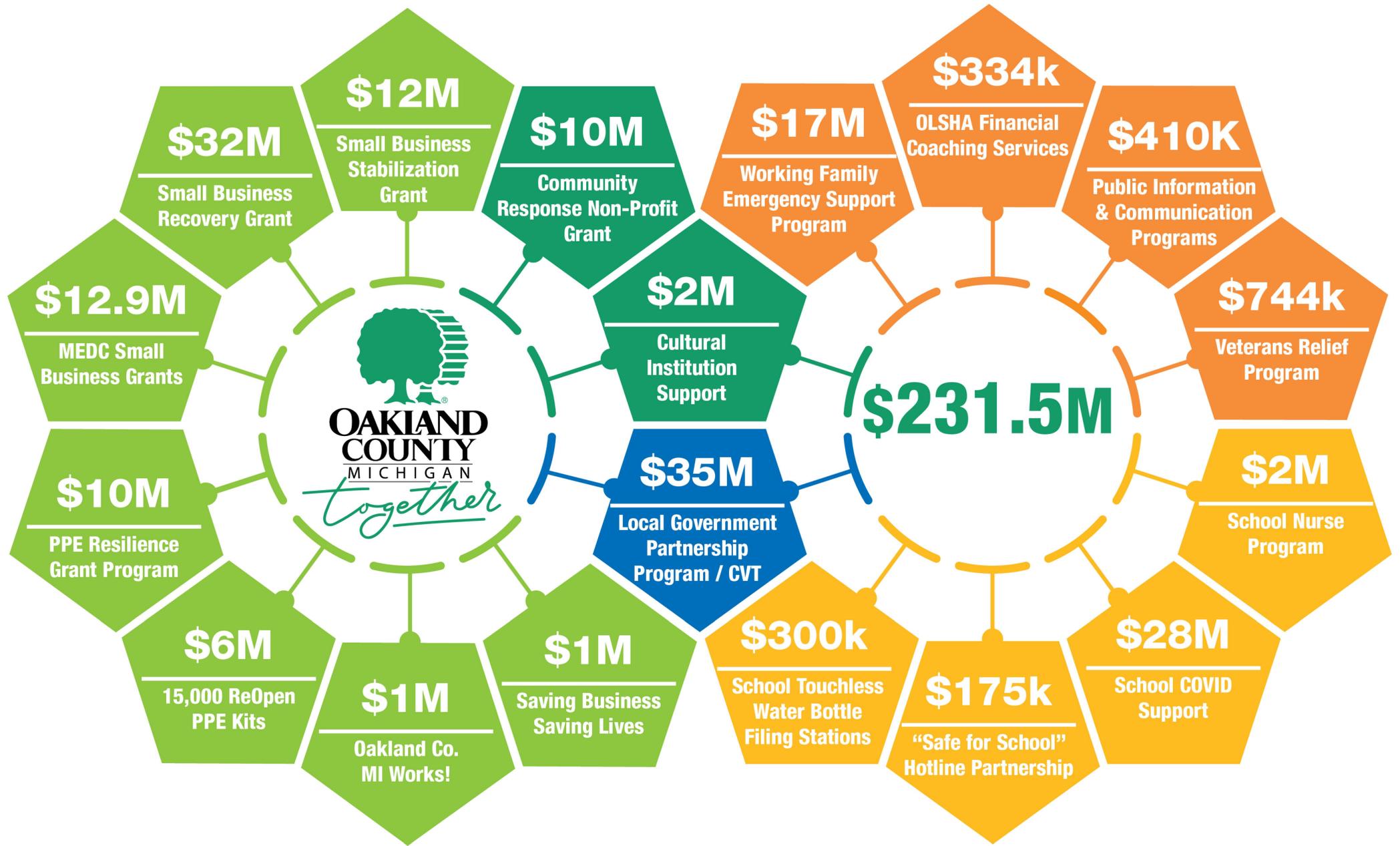
**\$18.48M**

**Individual Support**



**\$30.47M**

**School Relief & Support**



**Business**

**Government**

**Residents**

**Non-Profit**

**Schools**

# CARES Act Grants Programs

**8,500**  
**Small Business**  
**Grant Recipients**

**65,000**

Small  
Business  
Employees

**\$6.8B**

Business  
Revenue  
in 2019

**1,991**

Minority-  
Owned  
Businesses

**2,110**

Woman-  
Owned  
Businesses

**188**

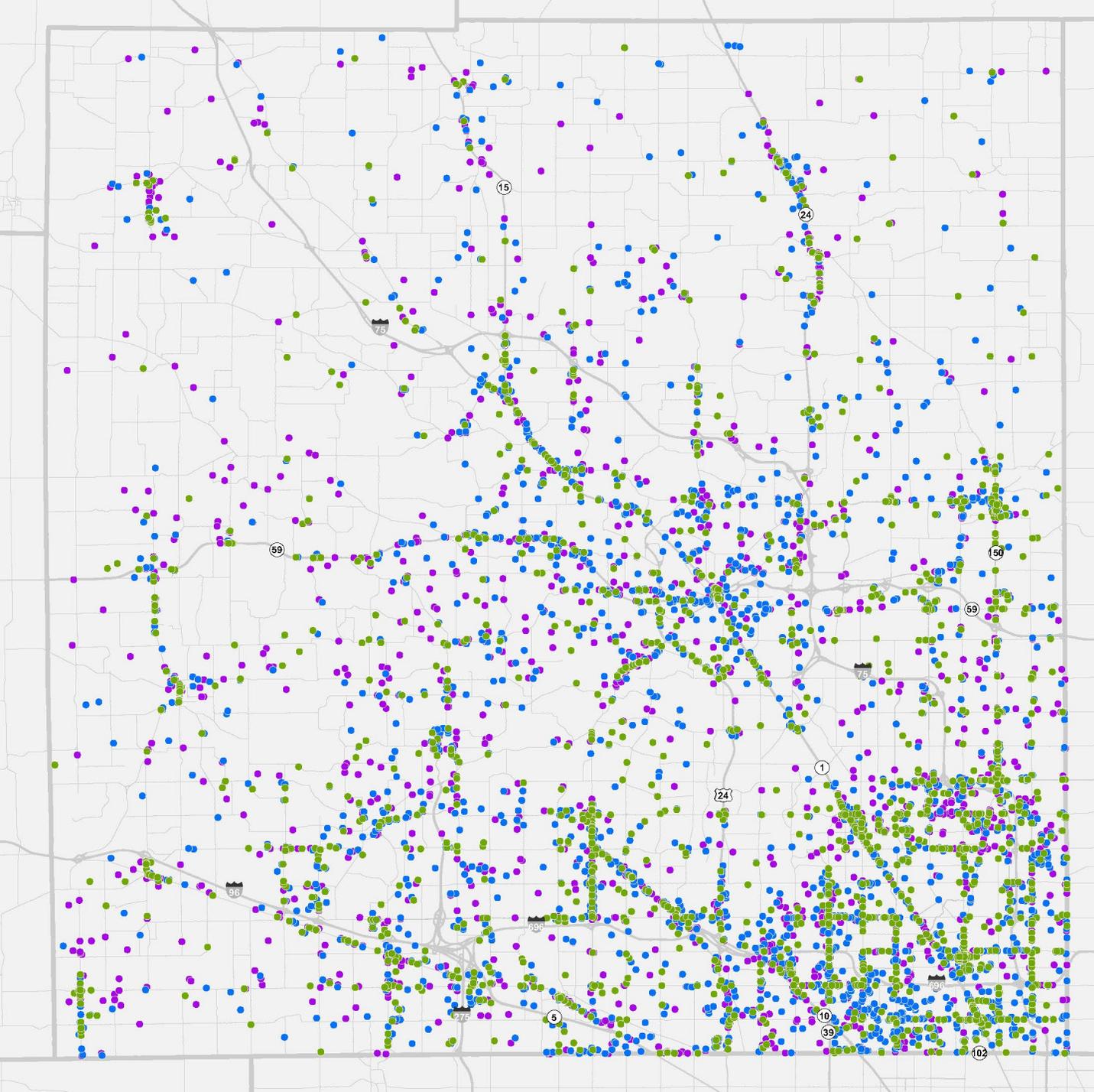
Veteran-  
Owned  
Businesses

**\$10M**

PPE  
Resilience  
Grant

# Economic Relief & Small Business Grant Awards

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**\$12M Stabilization Grants**



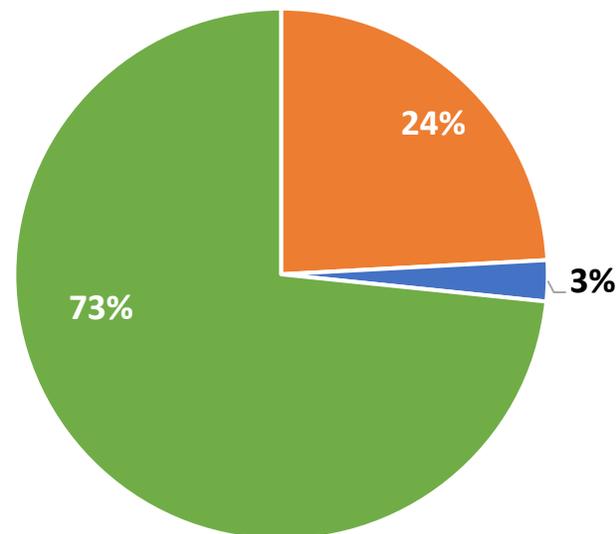
**\$32M Recovery Grants**



**\$10 Resilience Grants**

# Stabilization Grant

- 7,242 applications received
- 3,334 grants awarded for a total of \$13,139,581
- These awardees had \$2.1 billion in collective revenue in 2019 and employ nearly 25,000 workers in Oakland County

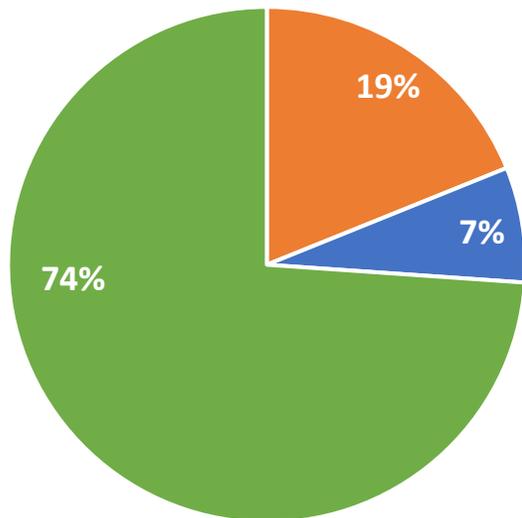


**STABILIZATION GRANTS AWARDED BY INDUSTRY**

Industry	Awardees	Employees	2019 Revenue	Amount Awarded
High and Middle Wage Services	805	5,274	\$ 608,847,562	\$ 2,928,499
Blue Collar	83	762	114,936,984	346,588
Lower-Wage Services	2,446	18,744	1,384,285,850	9,864,495

# Recovery Grant

- 3,143 applications received (through August 26)
- 2,241 grants awarded for a total of \$20,950,000
  - Round 6, with an additional \$9 million in grant funding, currently in process of being reviewed and awarded
- These awardees had \$2.1 billion in collective revenue in 2019 and employ more than 21,500 workers in Oakland County

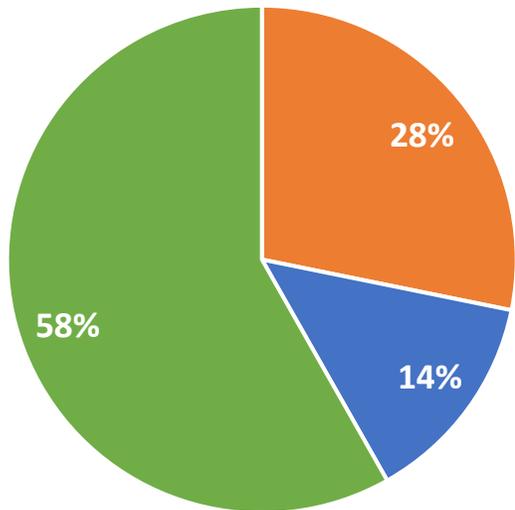


RECOVERY GRANTS AWARDED BY INDUSTRY

Industry	Awardees	Employees	2019 Revenue	Amount Awarded
High and Middle Wage Services	423	2,918	\$ 412,882,002	\$ 4,017,500
Blue Collar	162	1,253	305,232,936	1,585,000
Lower-Wage Services	1,656	17,332	1,347,364,966	15,347,500

# Restart Grant

- 6,313 applications received
- 2,975 grants awarded for a total of \$11,045,455
- These awardees had \$2.6 billion in collective revenue in 2019 and employ 19,000 workers in Oakland County



**RESTART GRANTS AWARDED BY INDUSTRY**

Industry	Awardees	Employees	2019 Revenue	Amount Awarded
High and Middle Wage Services	839	5,328	\$ 711,810,088	\$ 3,304,500
Blue Collar	405	2,686	534,434,342	1,610,000
Lower-Wage Services	1,731	10,892	1,352,446,116	6,130,955

# The Economic Outlook for Oakland County, 2020–2022



September 21, 2020

**Jacob Burton**

**Gabriel Ehrlich**

**Donald Grimes**

**Michael McWilliams**

**Research Seminar in Quantitative Economics**

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# Forecast Review

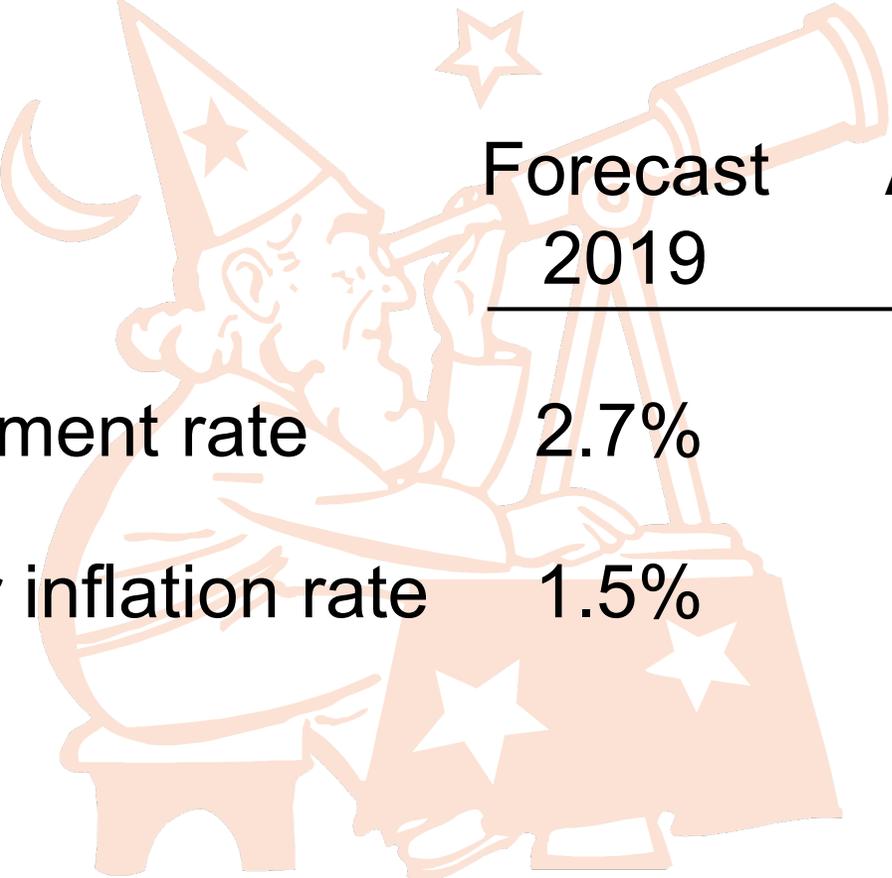
# Track Record Over the Years

Year of Forecast	% Forecast Error for Total Private Jobs	Year of Forecast	% Forecast Error for Total Private Jobs	Year of Forecast	% Forecast Error for Total Private Jobs
1986	+ 1.4	1998	+ 1.3	2010	- 1.7
1987	+ 0.7	1999	- 1.2	2011	- 2.5
1988	- 1.8	2000	+ 0.6	2012	- 2.6
1989	- 1.9	2001	+ 1.9	2013	- 1.1
1990	+ 2.2	2002	+ 3.2	2014	- 0.3
1991	+ 3.9	2003	+ 1.5	2015	- 0.1
1992	- 2.0	2004	+ 2.6	2016	- 0.1
1993	+ 0.5	2005	+ 1.4	2017	+ 1.1
1994	- 1.3	2006	+ 3.4	2018	+ 0.5
1995	+ 0.2	2007	0.0	2019	+ 0.1
1996	- 0.5	2008	+ 2.3		
1997	+ 0.6	2009	+ 5.5		

(Positive numbers indicate that the forecast was too high; negative numbers indicate that it was too low.)

Average absolute forecast error 1986–2019: 1.5%

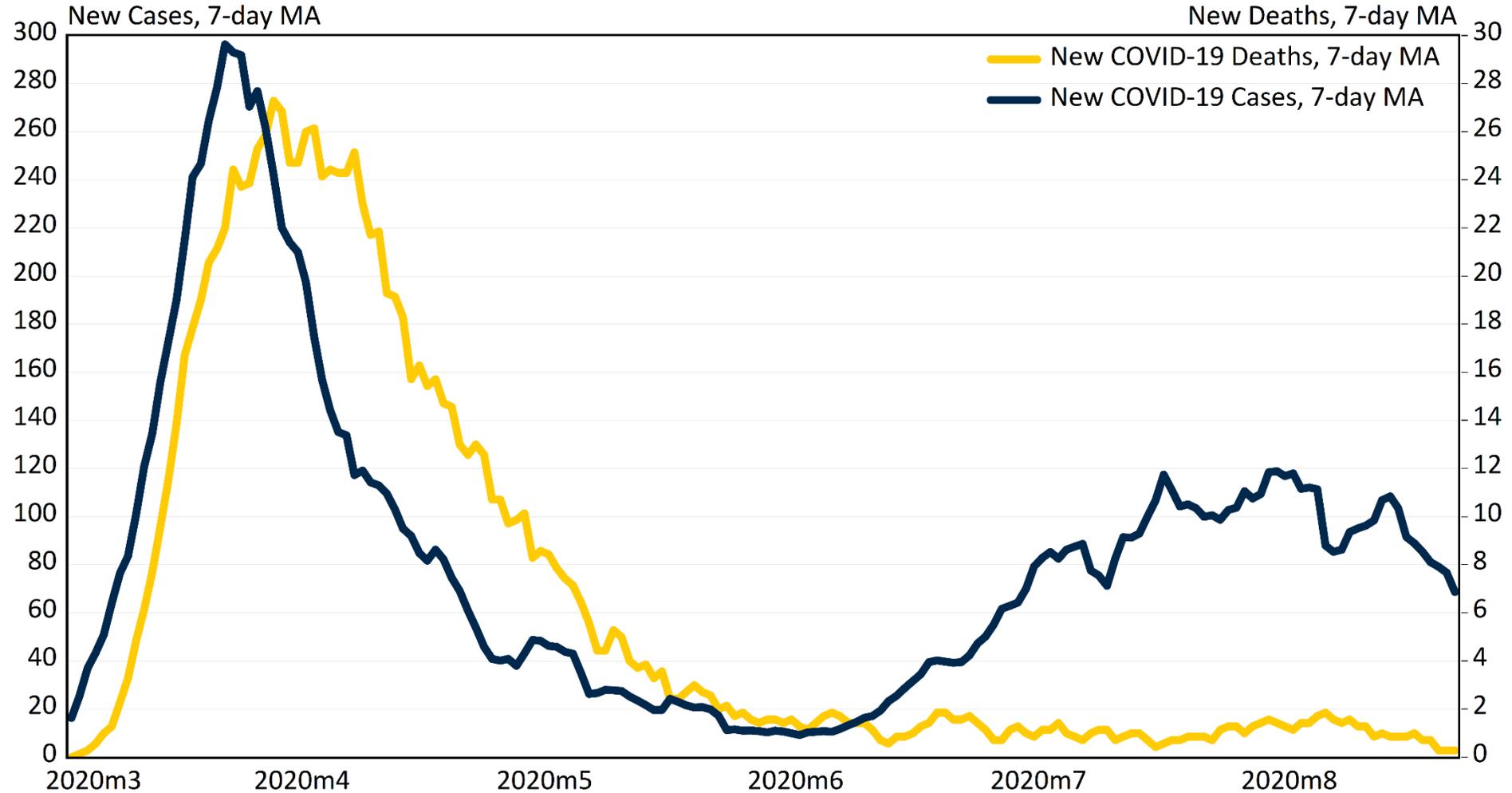
# Unemployment and Inflation



	Forecast 2019	Actual 2019
Unemployment rate	2.7%	3.4%
Consumer inflation rate	1.5%	1.4%

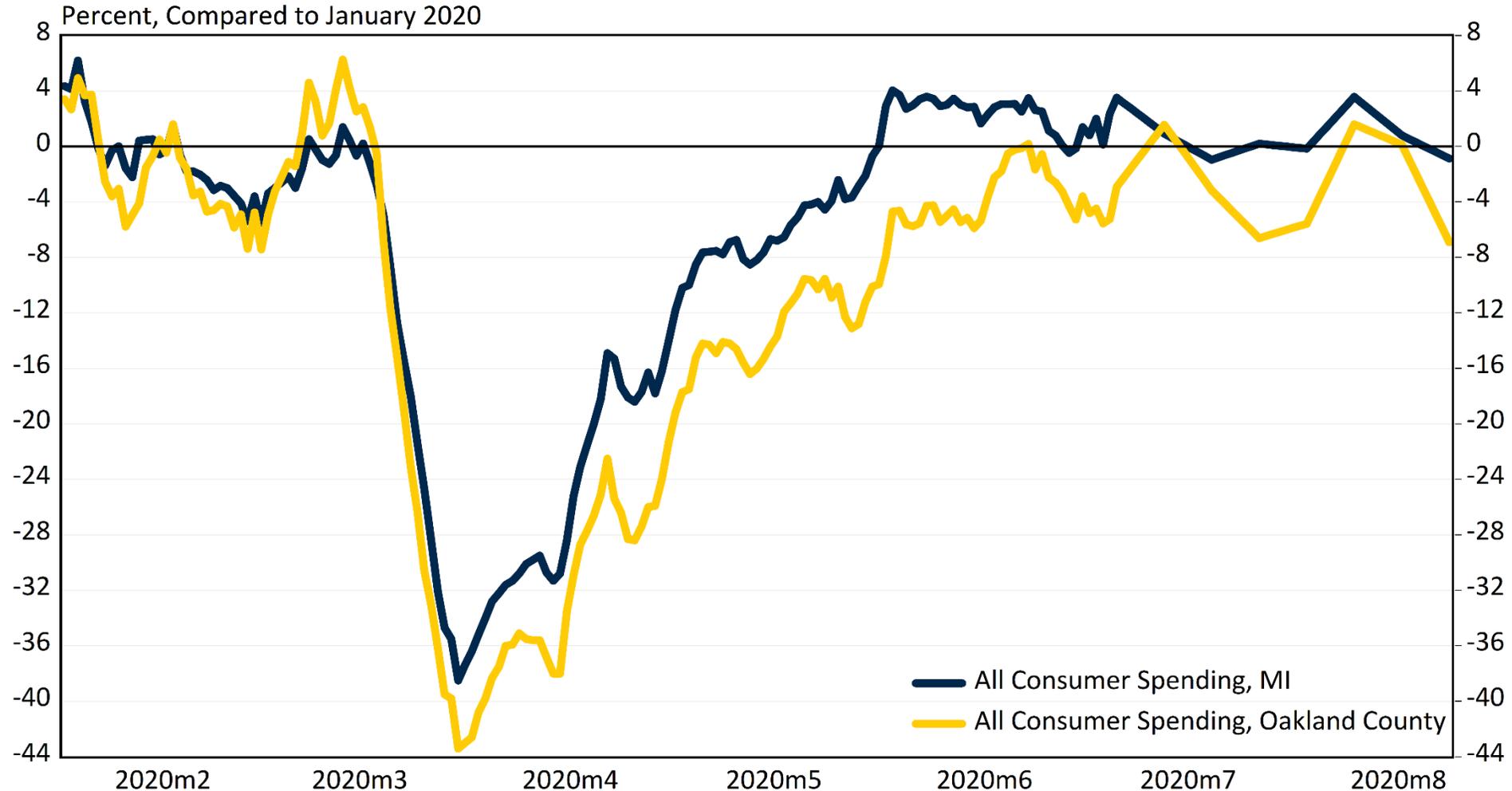
# **Current State of Oakland's Economy**

# COVID-19 Pandemic in Oakland County



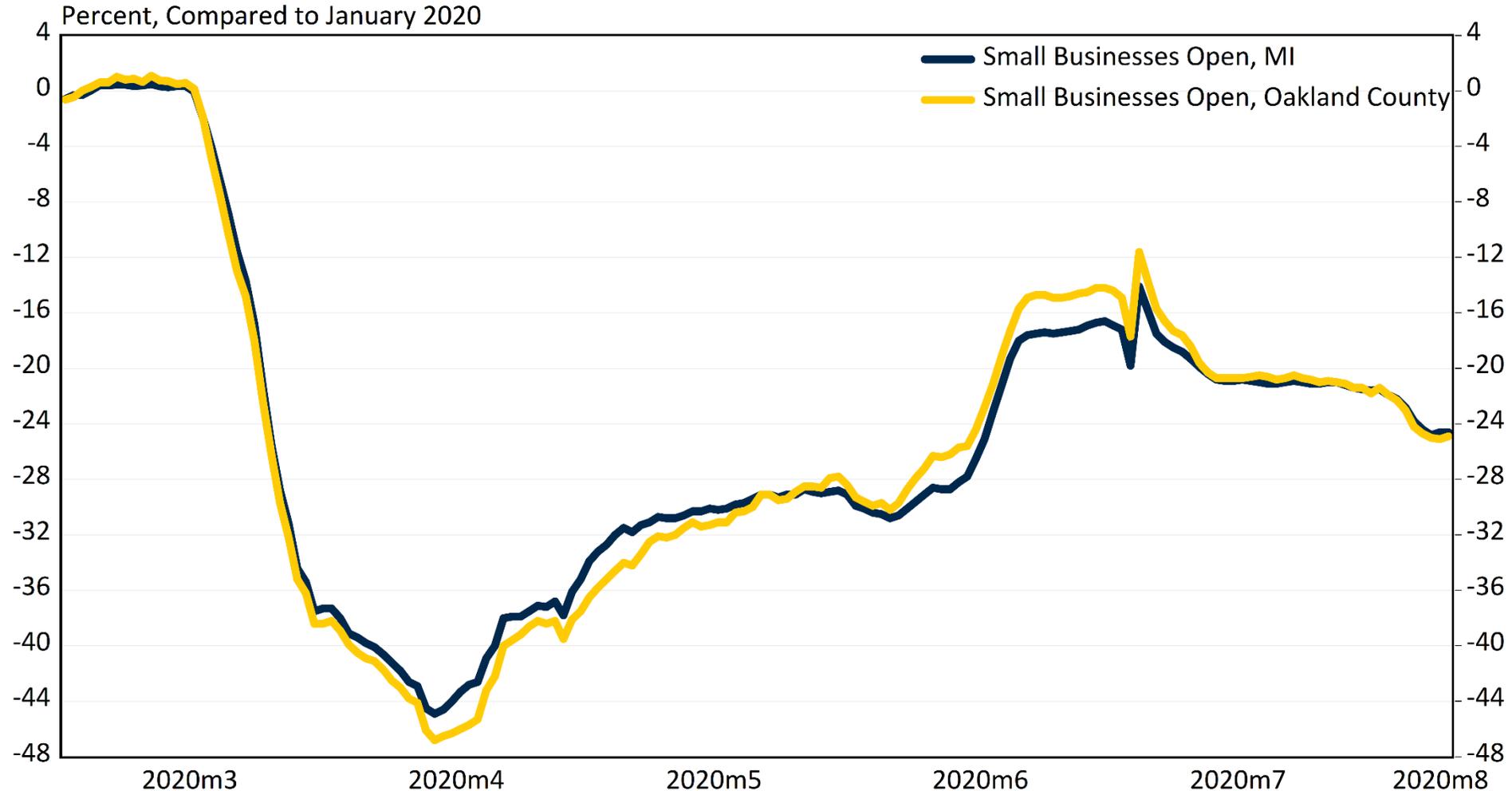
Source: Oakland County Dashboard  
RSQE: September 2020

# Consumer Spending in Michigan & Oakland County February–August, 2020



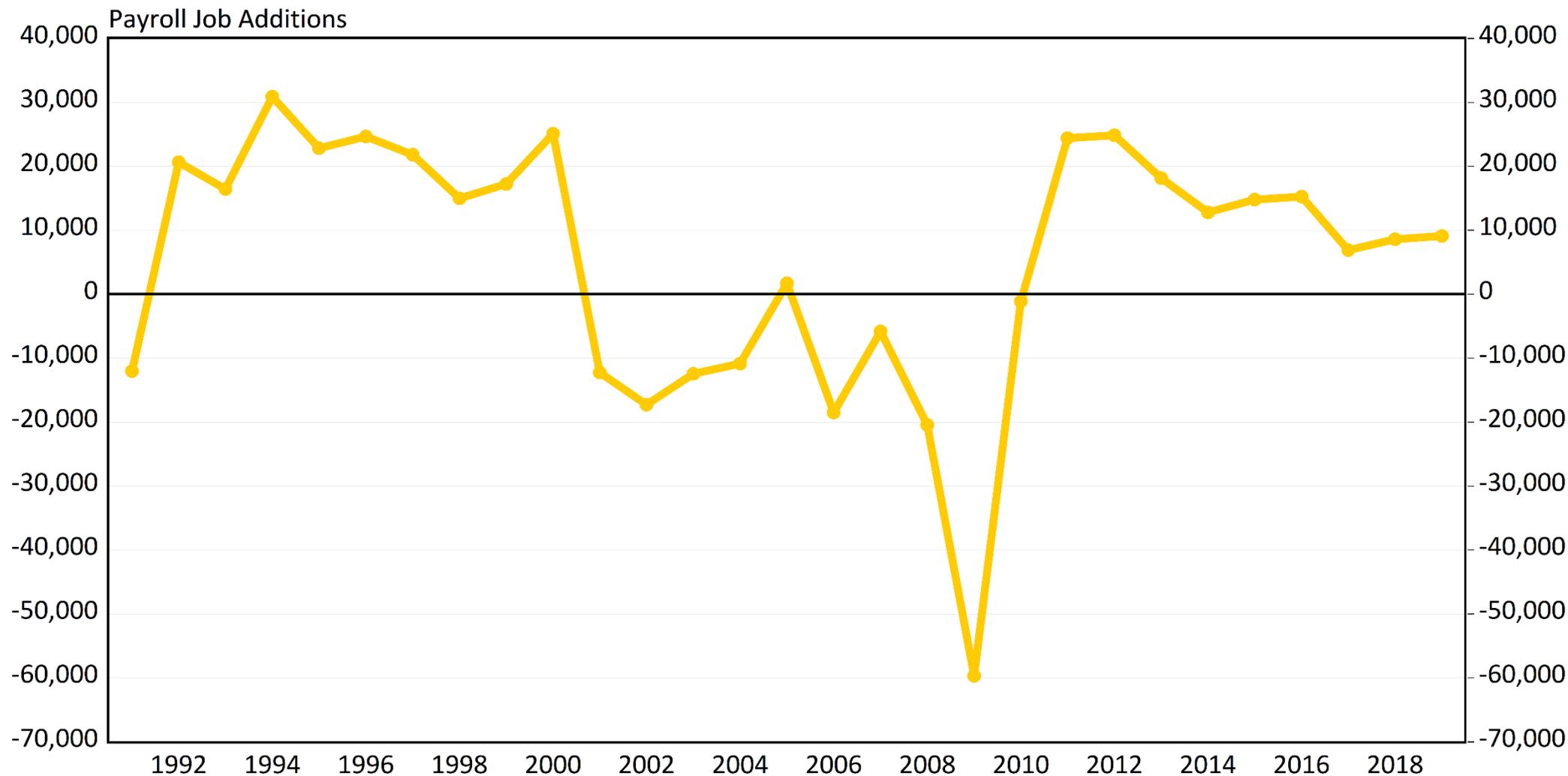
Source: Affinity Solutions via Opportunity Insights  
RSQE: September 2020

# Small Businesses Open in Michigan & Oakland County, March–August, 2020

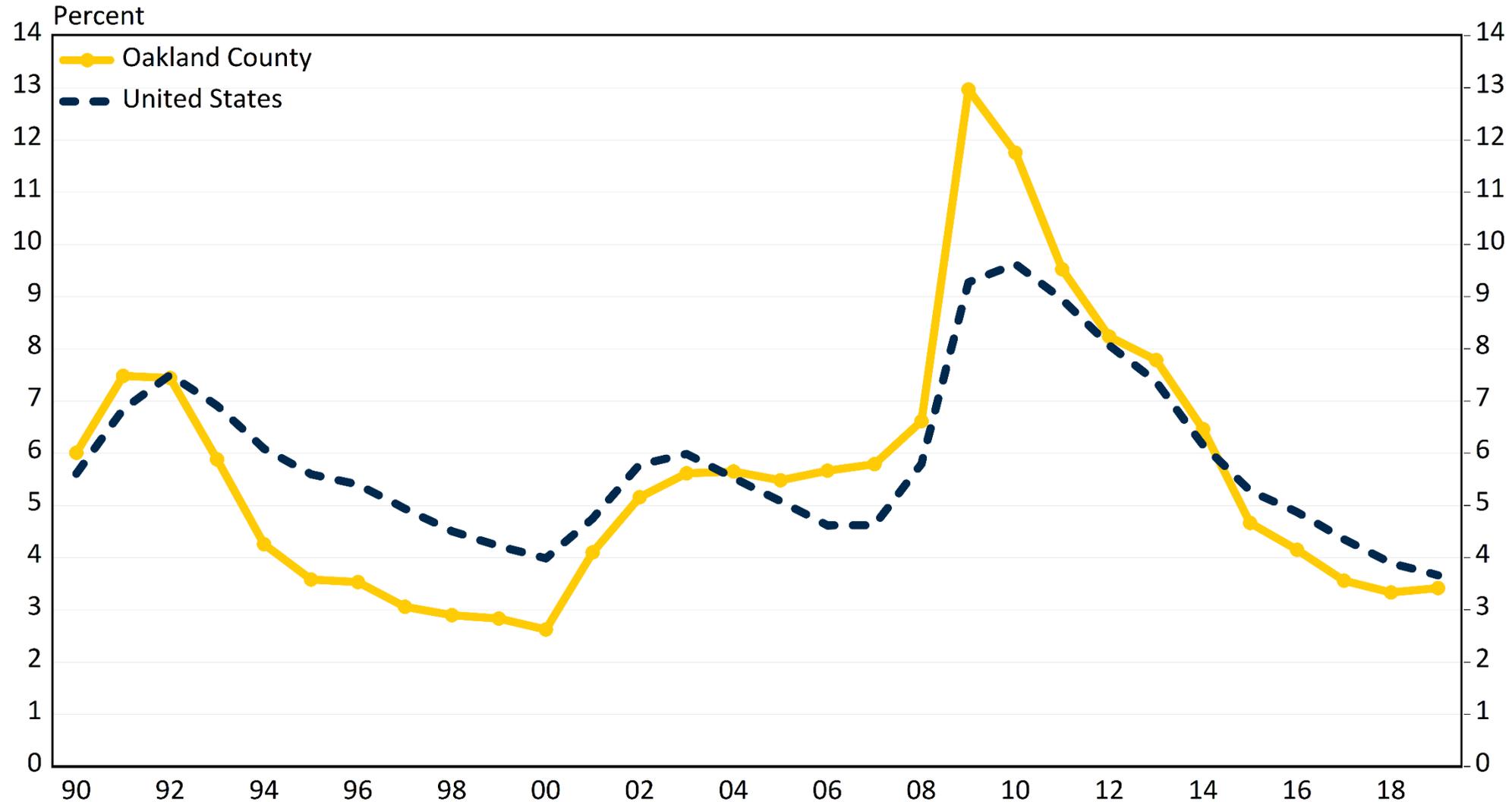


Source: Womply via Opportunity Insights  
RSQE: September 2020

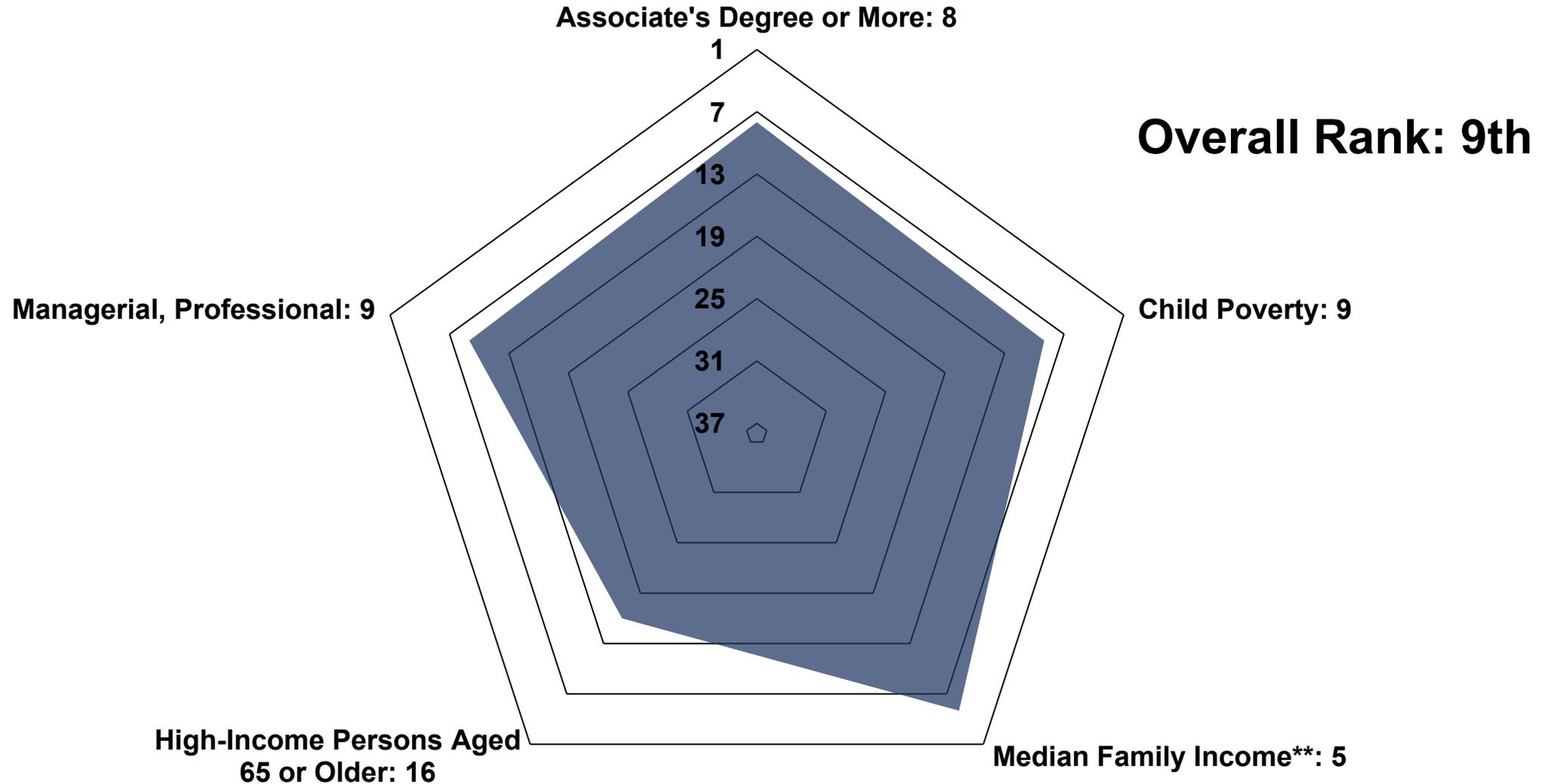
# Job Growth in Oakland County, 1991–2019



# Unemployment Rates for Oakland County and for the United States, 1990–2019

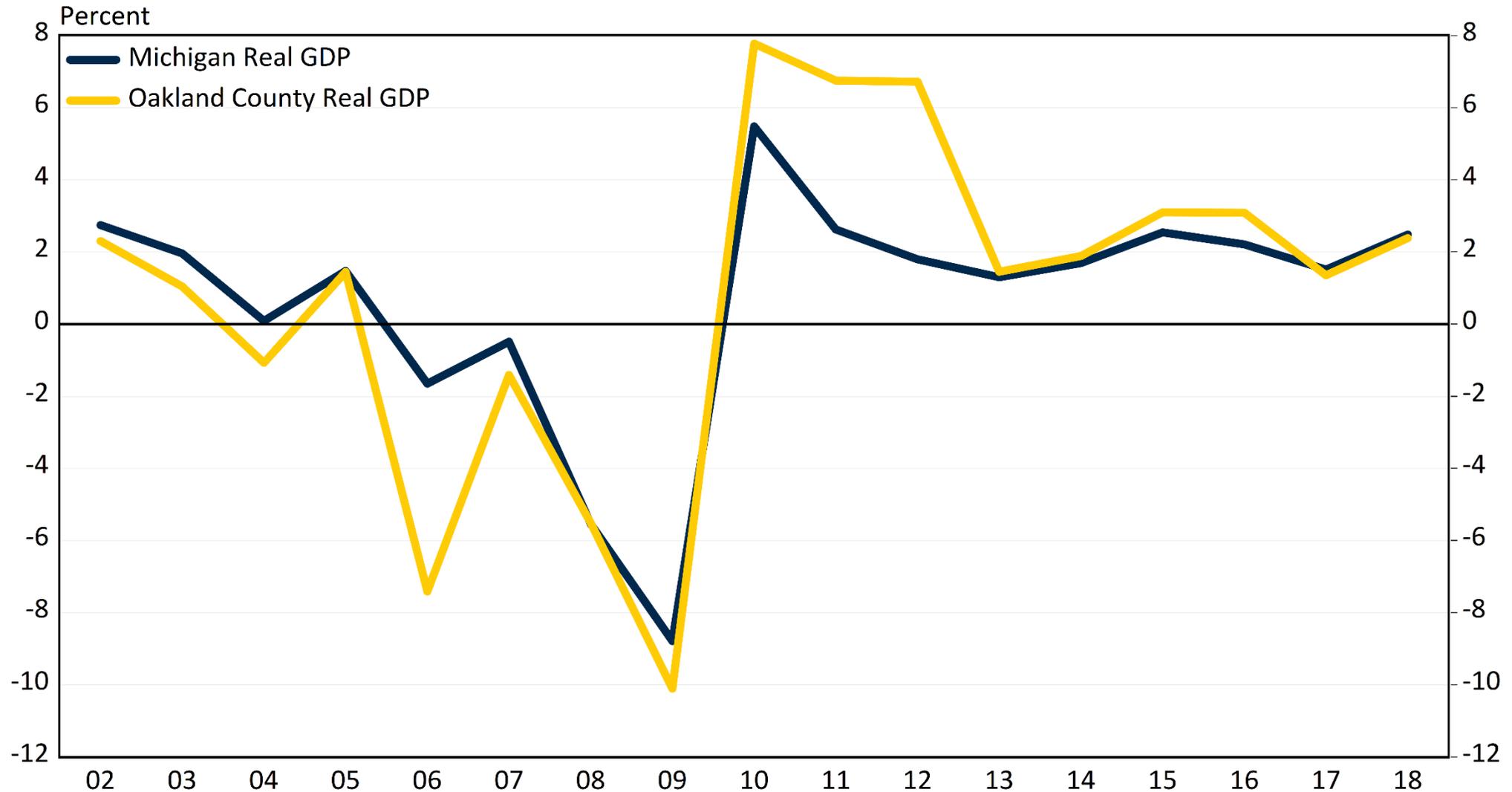


# Oakland County Compared with its Peers: 2018



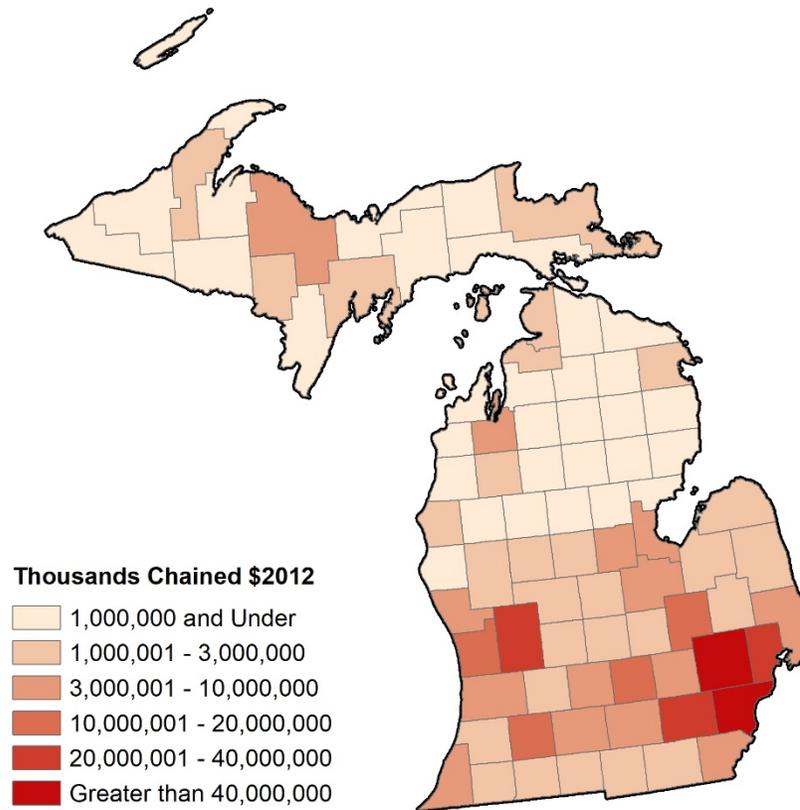
# County GDP

# Michigan and Oakland County Real GDP Growth, 2002–2018

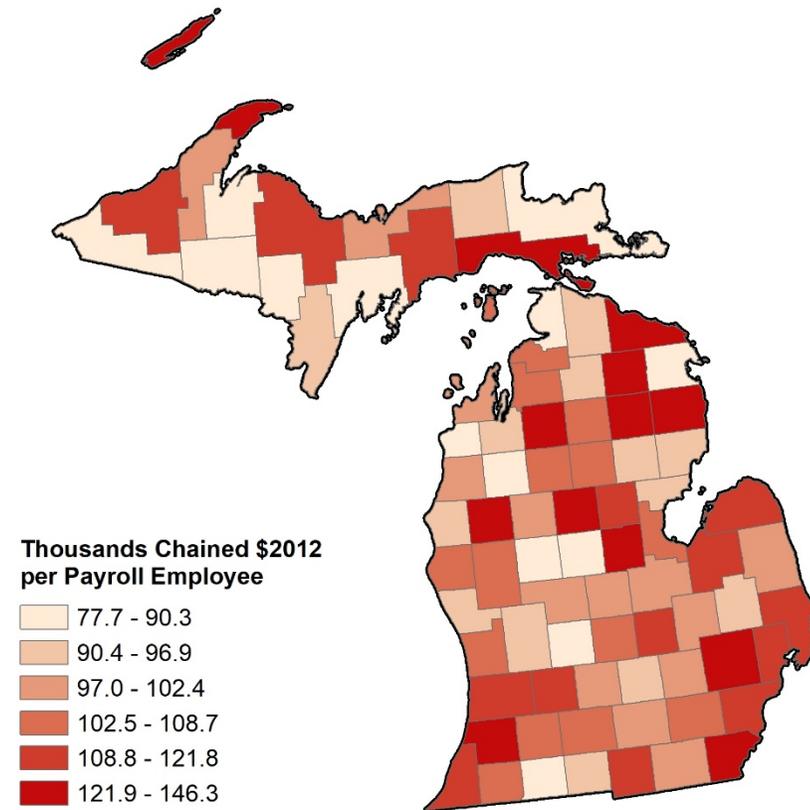


# Michigan County-Level GDP

## 2018 Real GDP

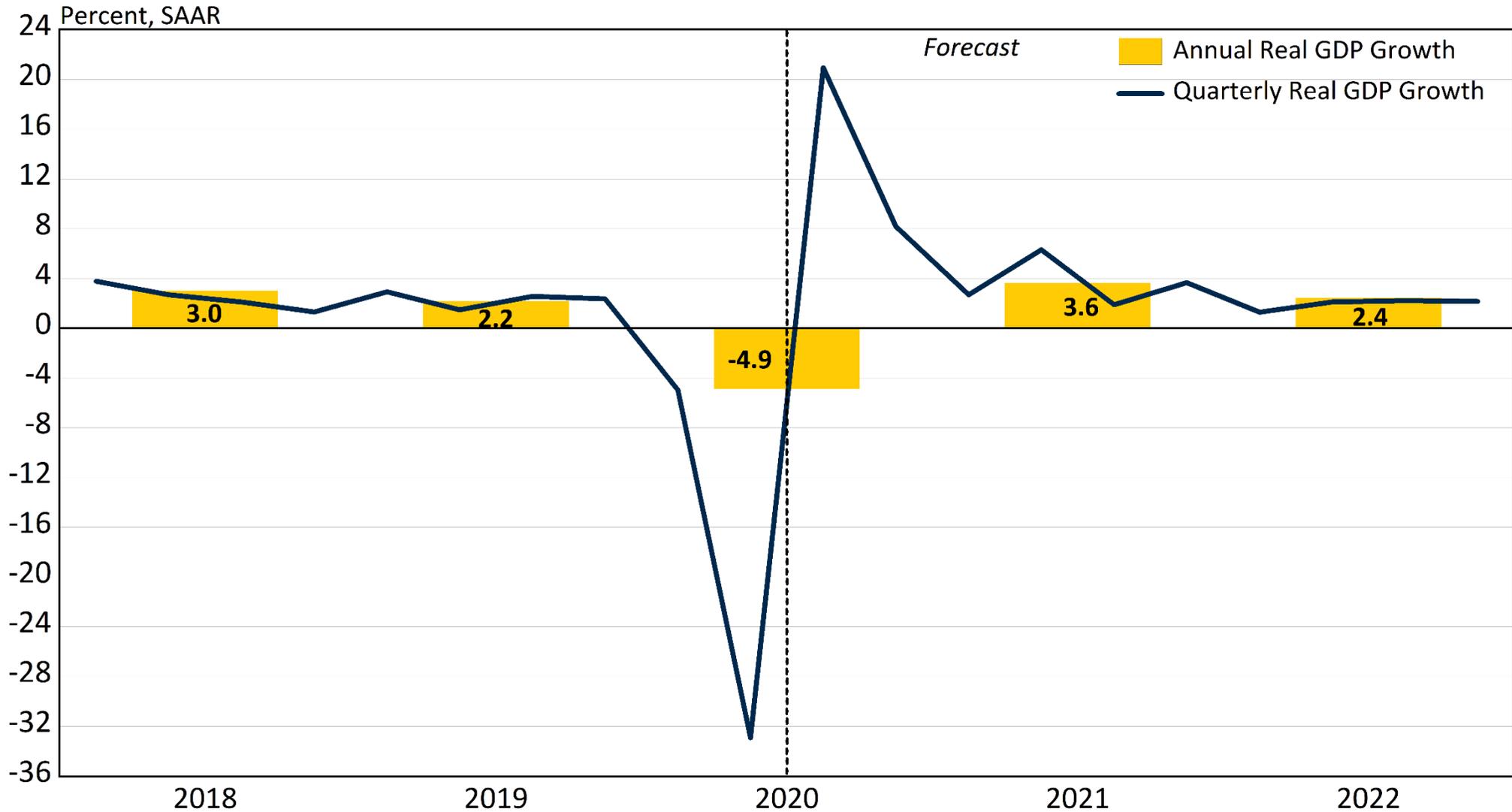


## 2018 Real GDP per Worker

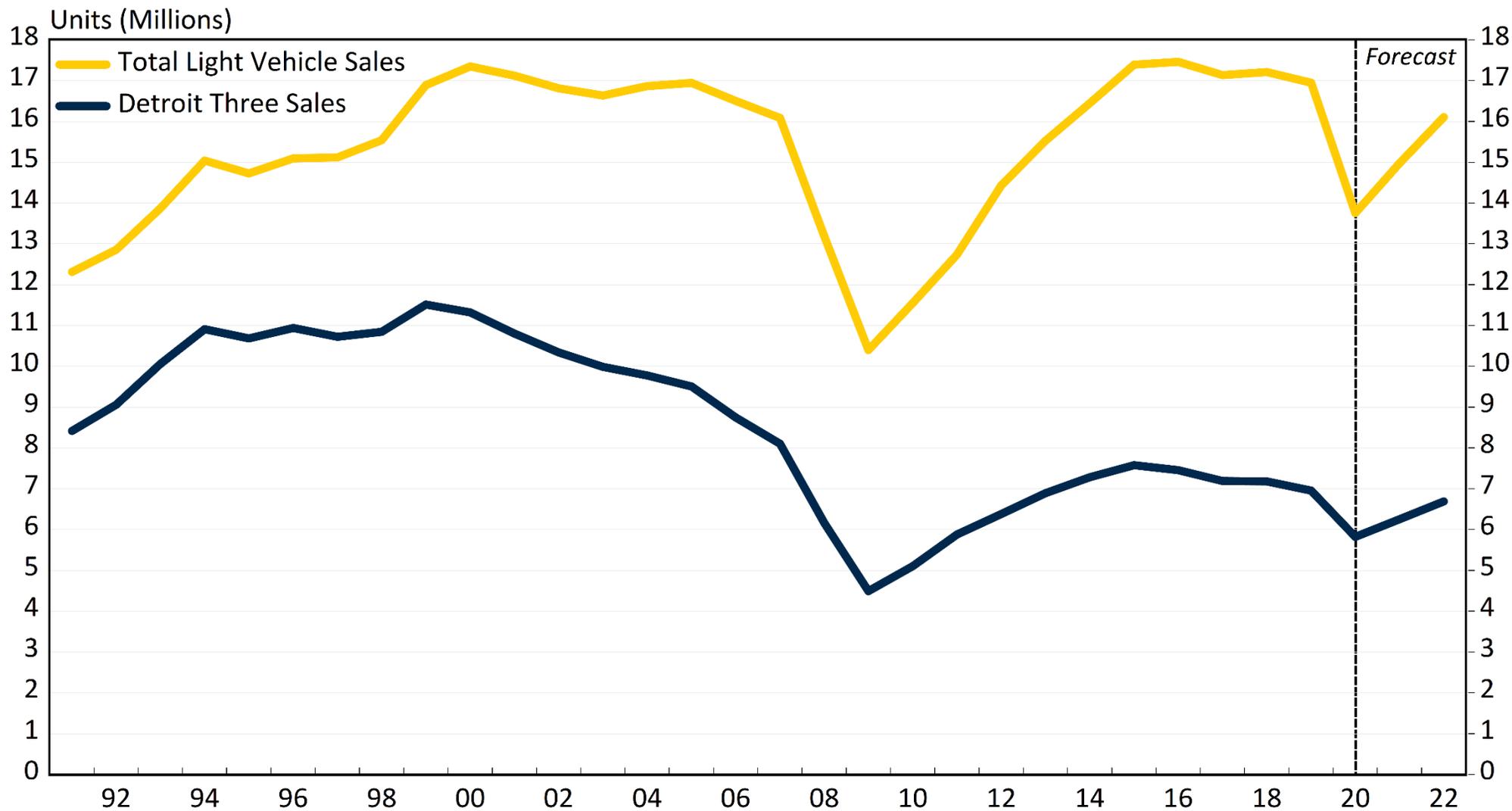


# **U.S. Economic Outlook**

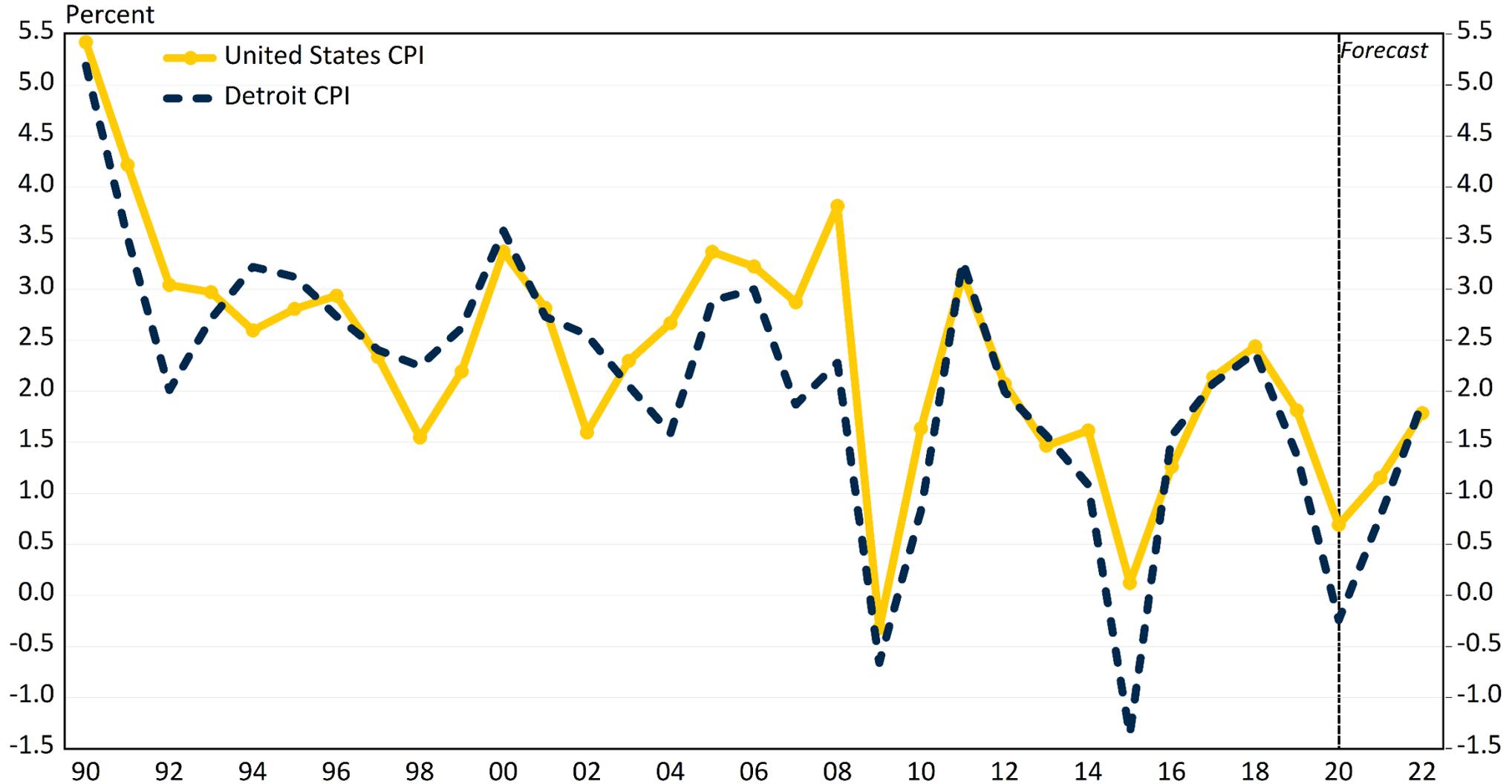
# Growth in Real U.S. GDP, 2018–2022



# U.S. and Detroit Three Light Vehicle Sales, 1991–2022



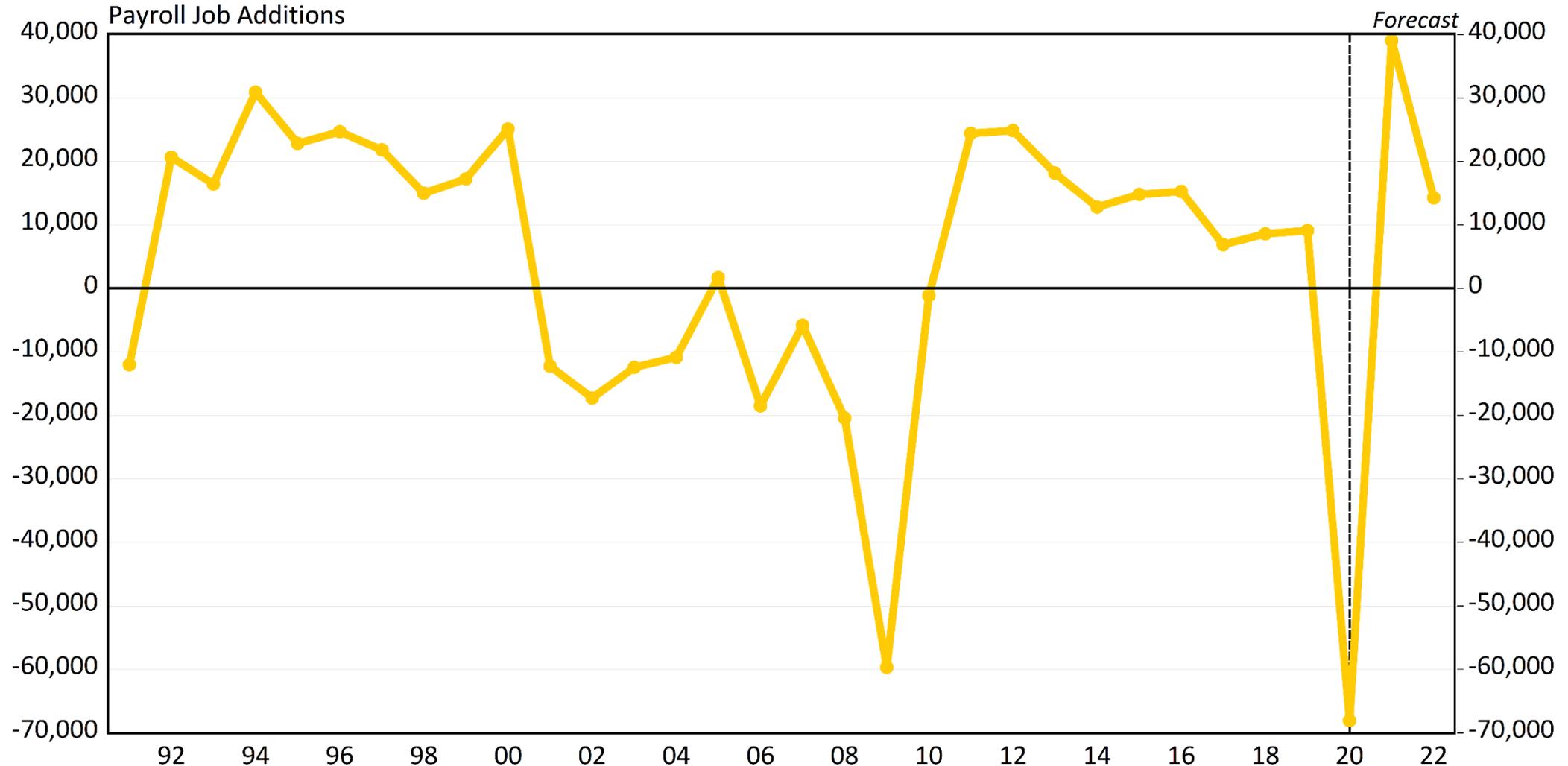
# Inflation Rate, United States and Detroit CPIs, 1990–2022



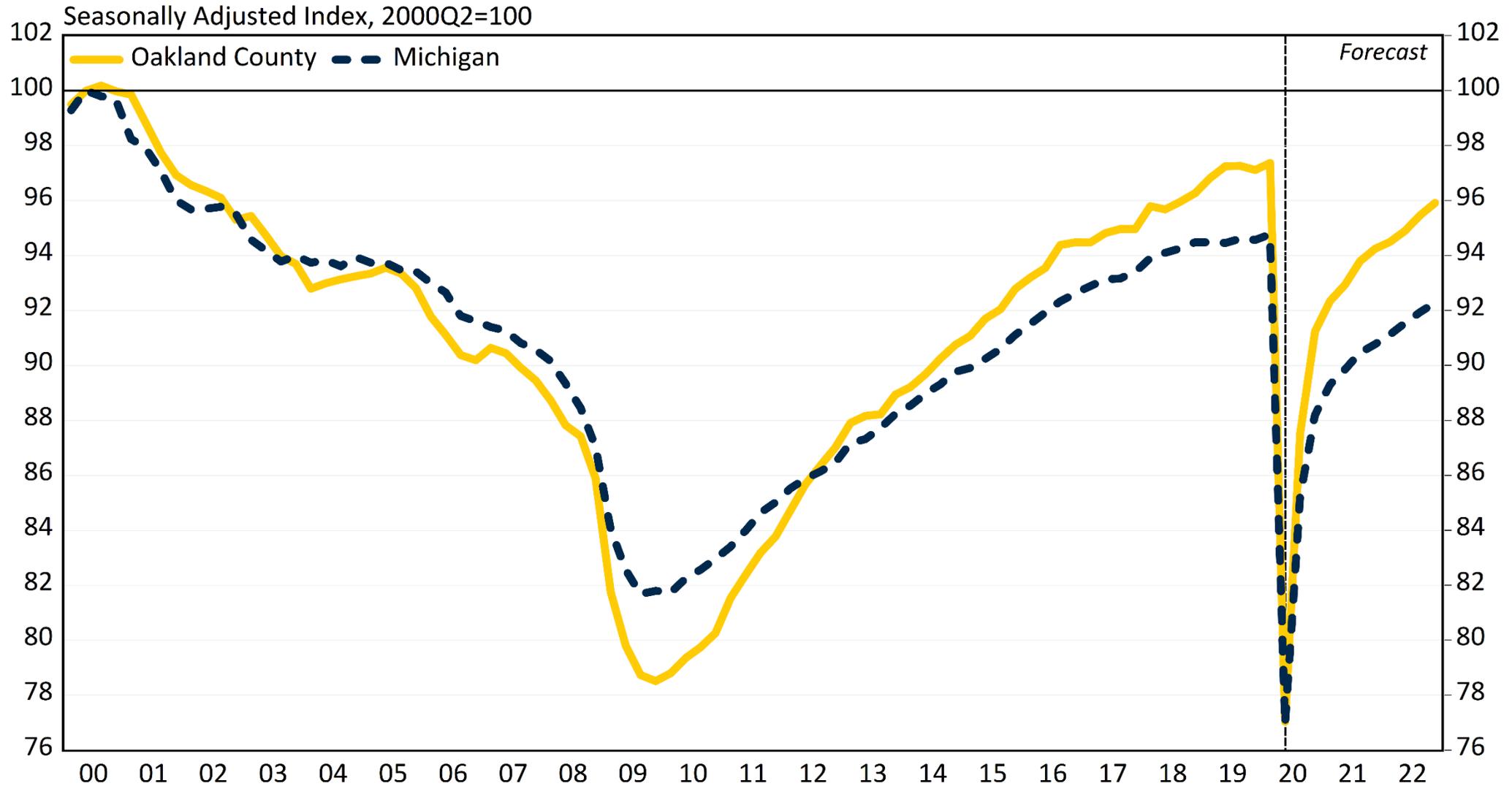
RSQE: September 2020

# Oakland County Economic Outlook

# Job Growth in Oakland County, 1991–2022



# Total Jobs in Michigan and Oakland County, 2000Q1–2022Q4



# Forecast of Jobs in Oakland County, 2019–2022

	<u>Employment Level</u>				Average Wage (\$)
	2019	2020	2021	2022	2019
Total Jobs	746,103	678,062	717,126	731,409	63,728
(Annual % change)		(-9.1)	(5.8)	(2.0)	N.A.
Government	45,354	42,205	41,976	42,769	55,817
Private-Sector	700,750	635,857	675,150	688,640	64,240

# Forecast of Blue-Collar Employment in Oakland County, 2019–2022

	<u>Employment Level</u>				Average Wage (\$)
	2019	2020	2021	2022	2019
Blue-Collar Jobs	110,121	100,926	108,146	111,984	75,733
Construction	27,226	25,908	28,448	29,725	73,179
Transportation Equip. mfg.	21,697	18,968	20,192	20,735	104,533
Transportation & warehousing	12,911	12,290	13,338	14,106	51,327

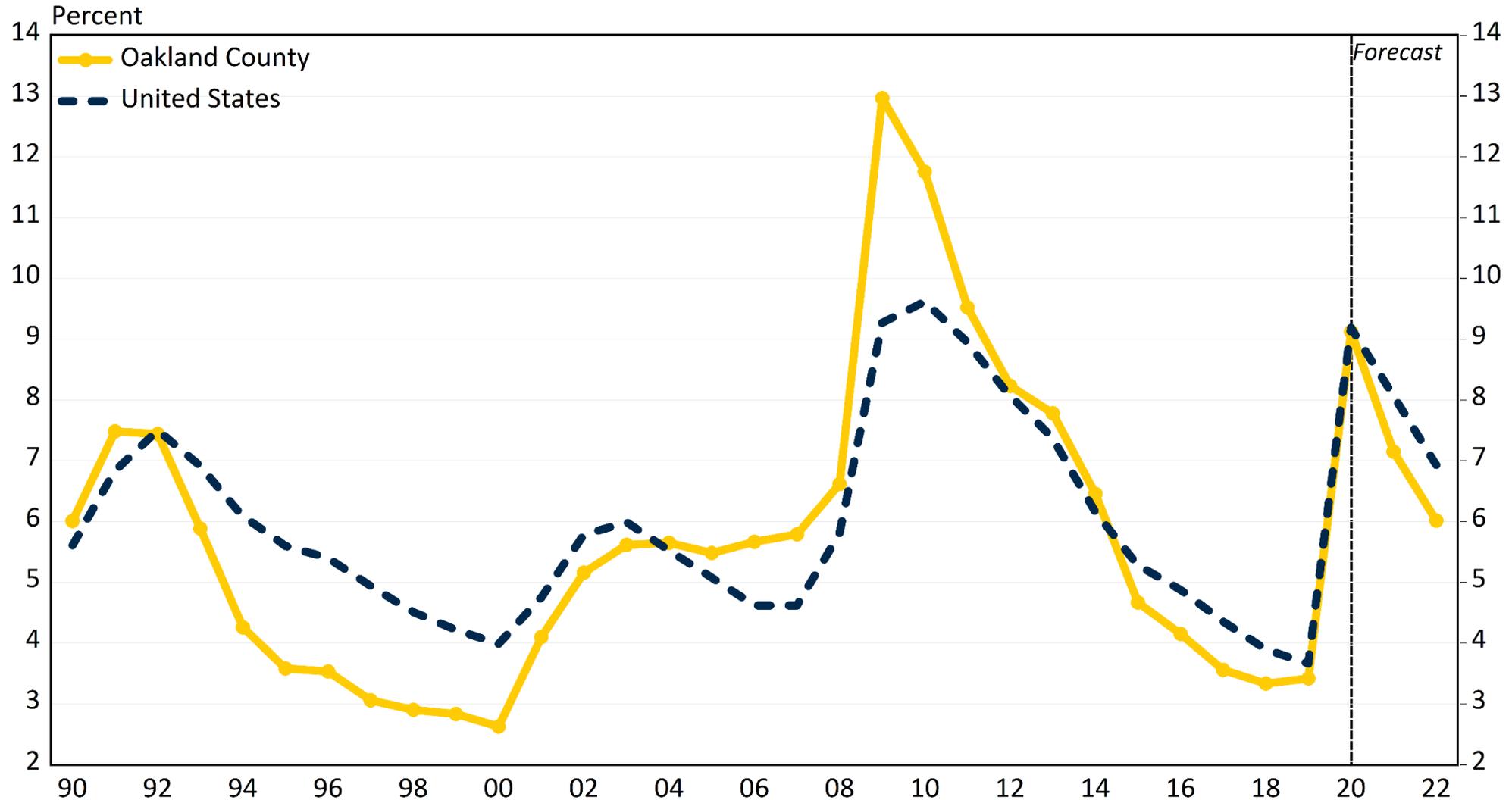
# Forecast of Higher and Middle Wage Services in Oakland County, 2019–2022

	<u>Employment Level</u>				Average Wage (\$)
	2019	2020	2021	2022	2019
Higher & Middle Wage Services	431,834	404,272	419,749	426,713	76,174
Financial Activities	56,174	56,232	57,121	57,668	87,305
Engineering & Architecture	40,418	37,429	40,989	42,913	101,348
Administrative Support & Waste	61,629	51,213	55,023	55,820	44,951
Hospitals	35,029	32,904	34,291	34,787	65,192

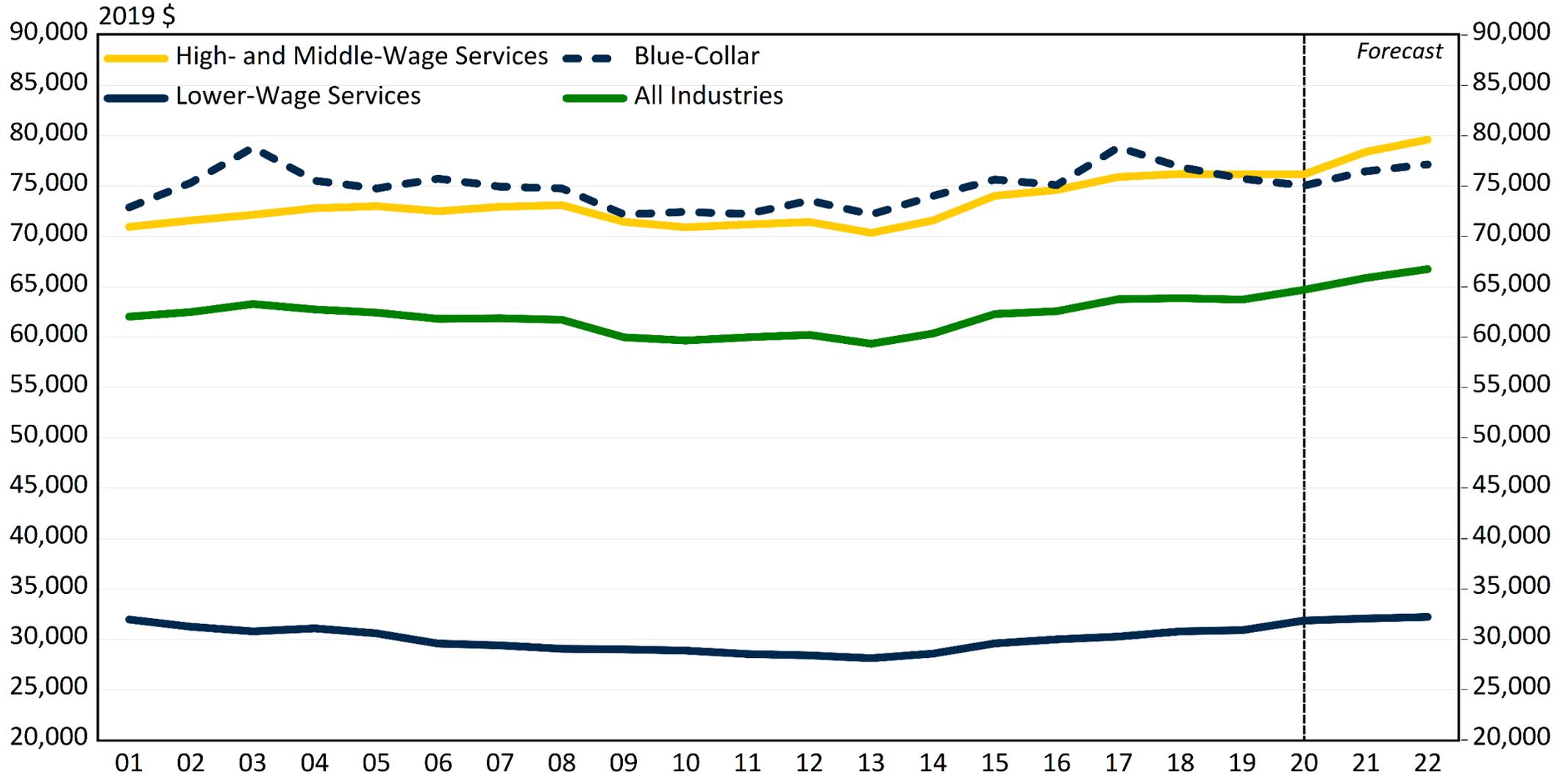
# Forecast of Lower Wage Services in Oakland County, 2019–2022

	<u>Employment Level</u>				Average Wage (\$)
	2019	2020	2021	2022	2019
Lower Wage Services	204,149	172,864	189,231	192,712	30,924
Retail Trade	78,820	73,067	75,140	74,186	36,279
Nursing & Residential Care	17,259	16,527	17,542	18,050	31,077
Leisure Services	72,372	50,235	59,976	63,155	23,801

# Unemployment Rates for Oakland County and for the United States, 1990–2022



# Average Real Wage in Oakland County, 2001–2022





[lsa.umich.edu/econ/rsqe](https://lsa.umich.edu/econ/rsqe)

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**Economic  
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B R O A D C A S T

**Thank You for Participating**

Summary at:

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COMMUNITY  
COLLEGE**  
Excellence *Empowered.*