STATE OF THE MICHIGAN ECONOMY
2024 OUTLOOK

Dr. Iryna V. Lendel
Senior Director
The Upjohn Regional

The Right Place's Economic Outlook for 2024
December 7, 2023



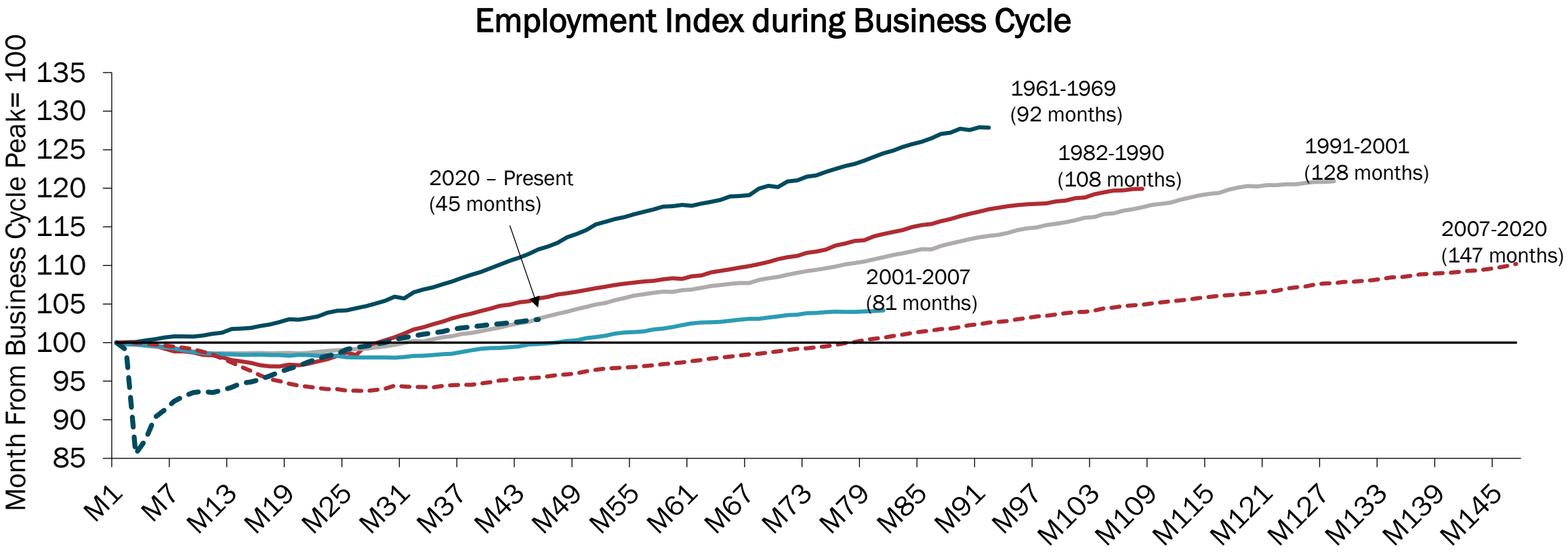
W.E. UPJOHN INSTITUTE
FOR EMPLOYMENT RESEARCH

W.E. Upjohn Institute for Employment Research

The Institute is an activity of the W.E. Upjohn Unemployment Trustee Corporation, which was established in 1932 to administer a fund set aside by Dr. W.E. Upjohn, founder of the Upjohn Company.

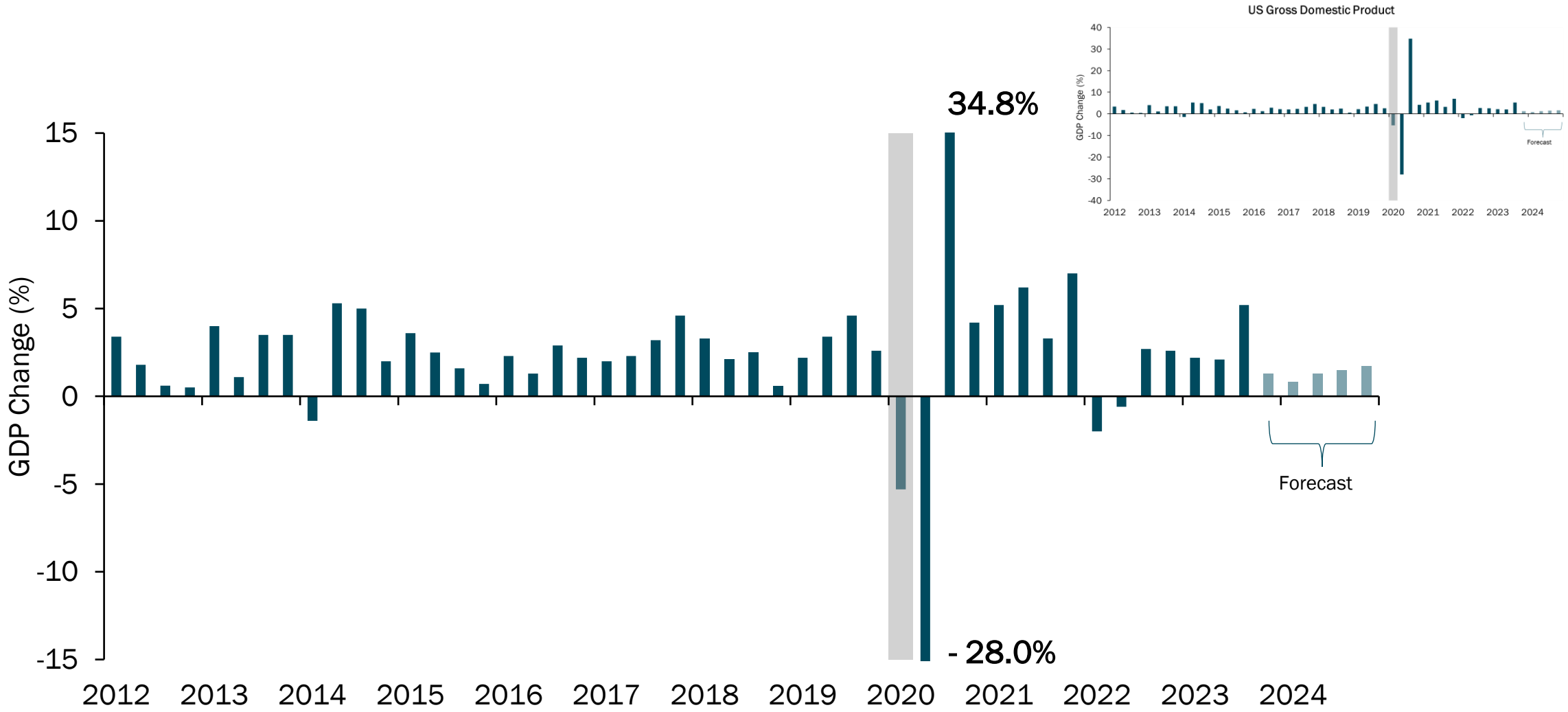
MISSION: The W.E. Upjohn Institute for Employment Research is a private, nonprofit, nonpartisan, independent research organization devoted to investigating the causes and effects of unemployment, to identifying feasible methods of insuring against unemployment, and to devising ways and means of alleviating the distress and hardship caused by unemployment.

The COVID-19 pandemic has hit the economy hard, and we just recovered employment to anticipate a new recession



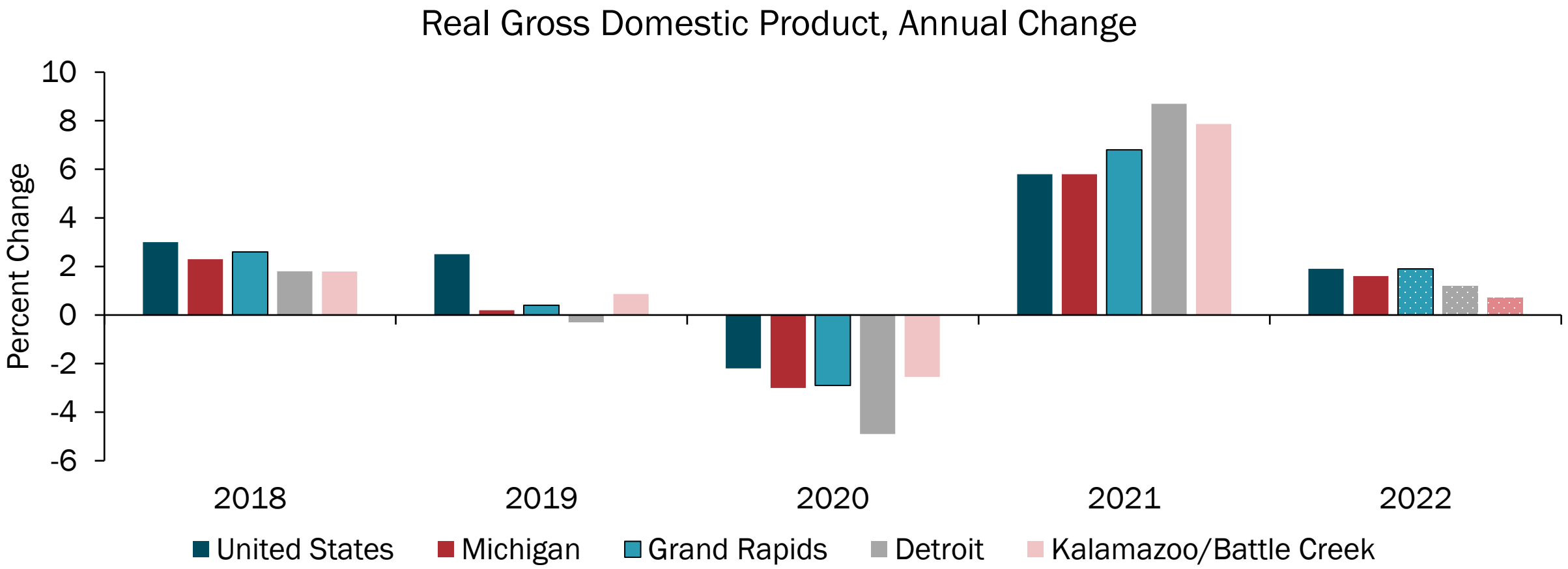
Source: Current Employment Statistics, Bureau of Labor Statistics

US Economy is Predicted to Slow in 2024



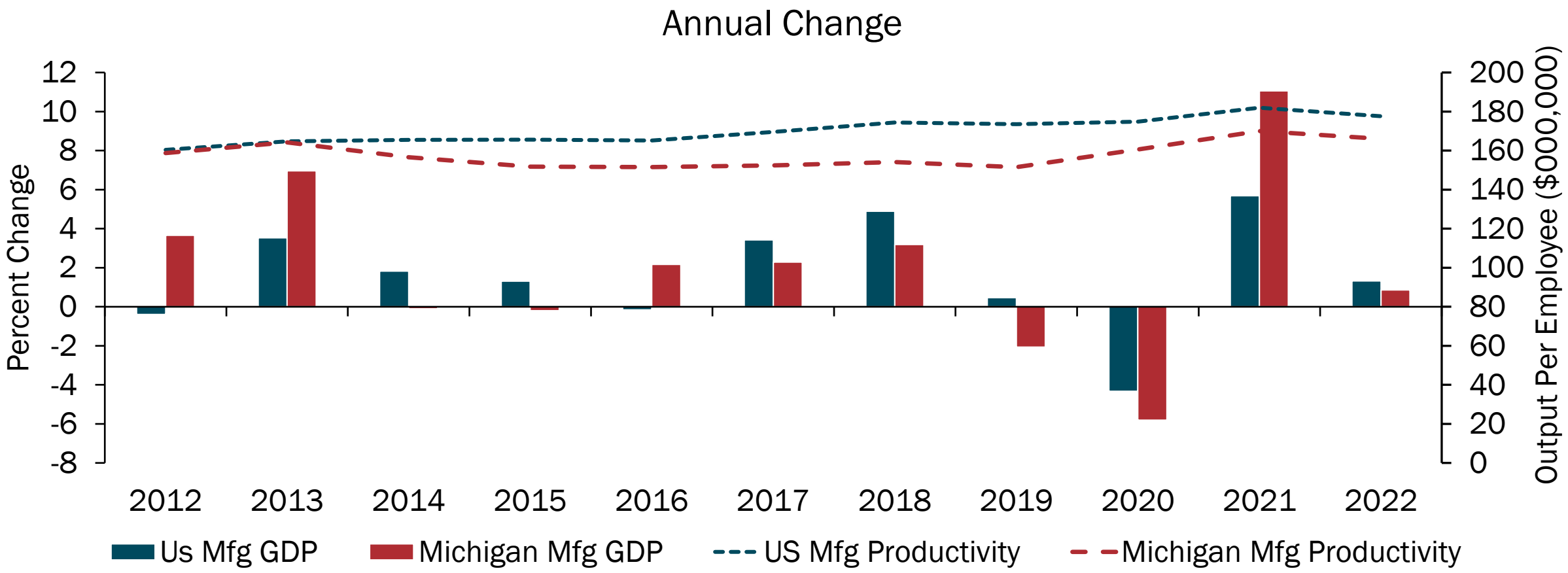
Source: Bureau of Economic Analysis & Philadelphia Fed Consensus Forecast

U.S., State, and Regional GDP



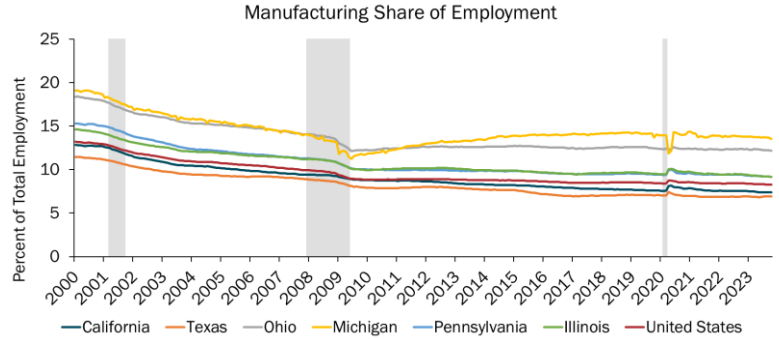
Source: Bureau of Economic Analysis & Moody's Analytics

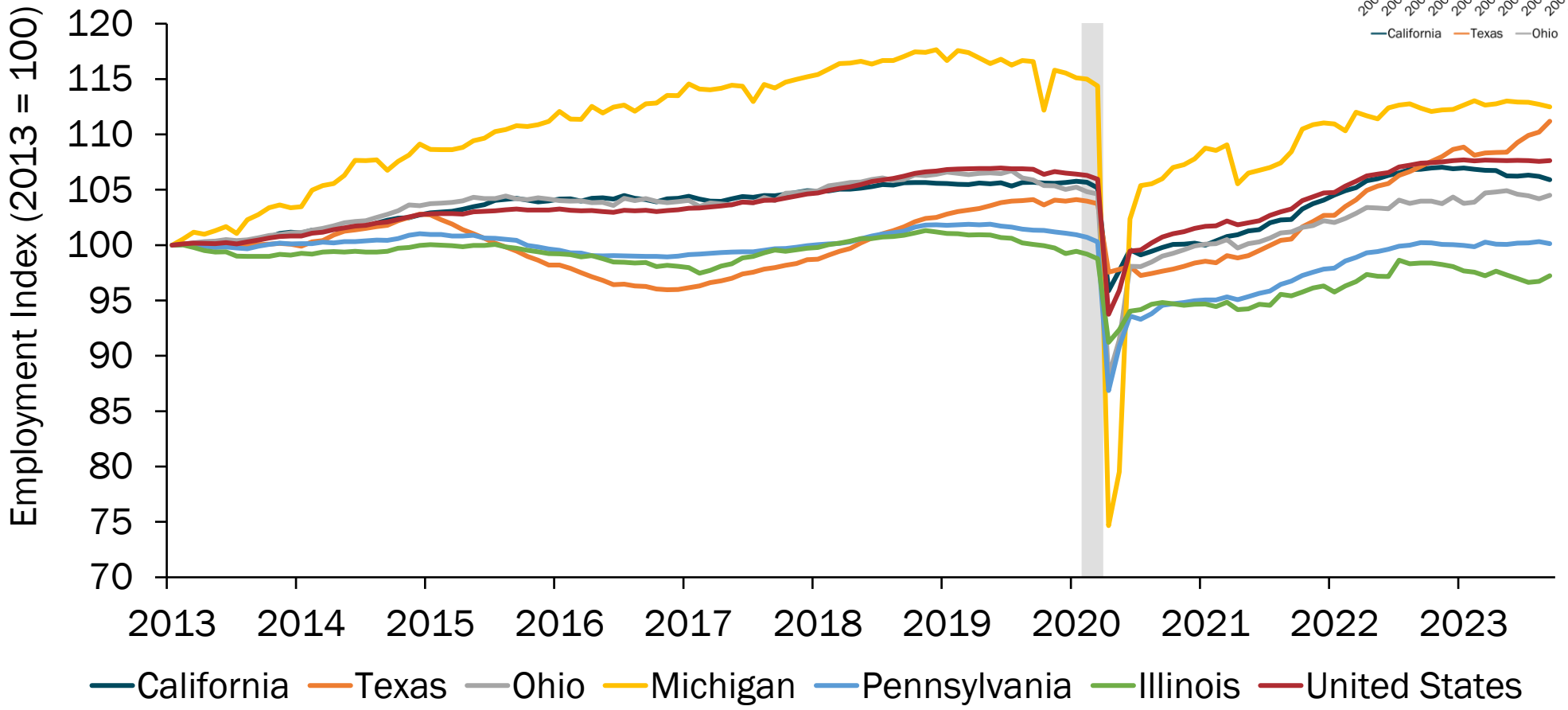
US and MI GDP and Quasi-Productivity



Source: Bureau of Economic Analysis & Moody's Analytics

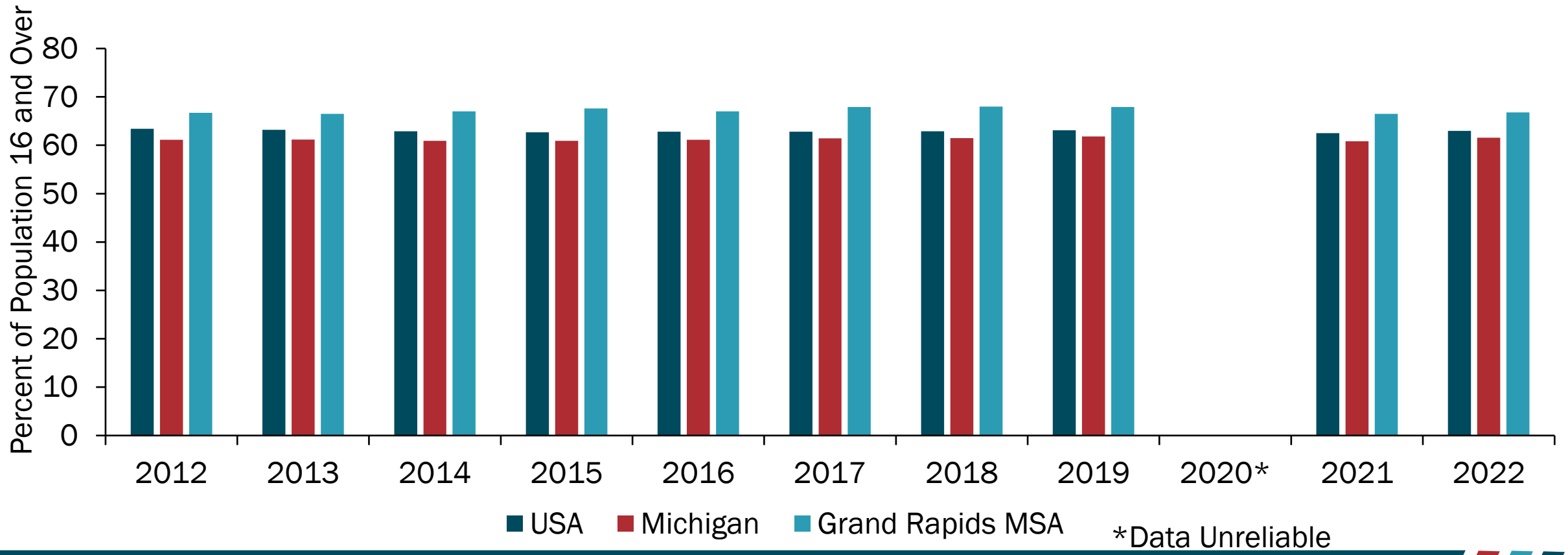
Manufacturing Employment Index: U.S. and Top Manufacturing States





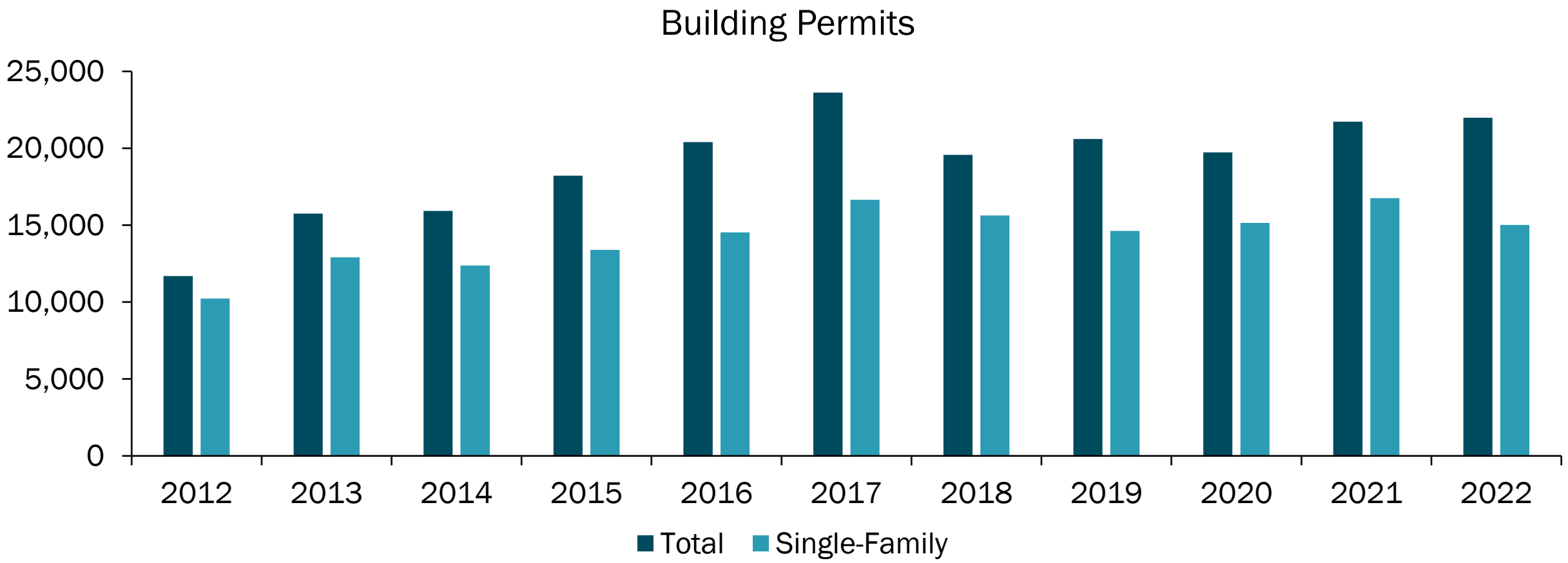
Source: Bureau of Labor Statistics, Current Employment Statistics, Seasonally Adjusted

US, Michigan, and Grand Rapids Labor Force Participation



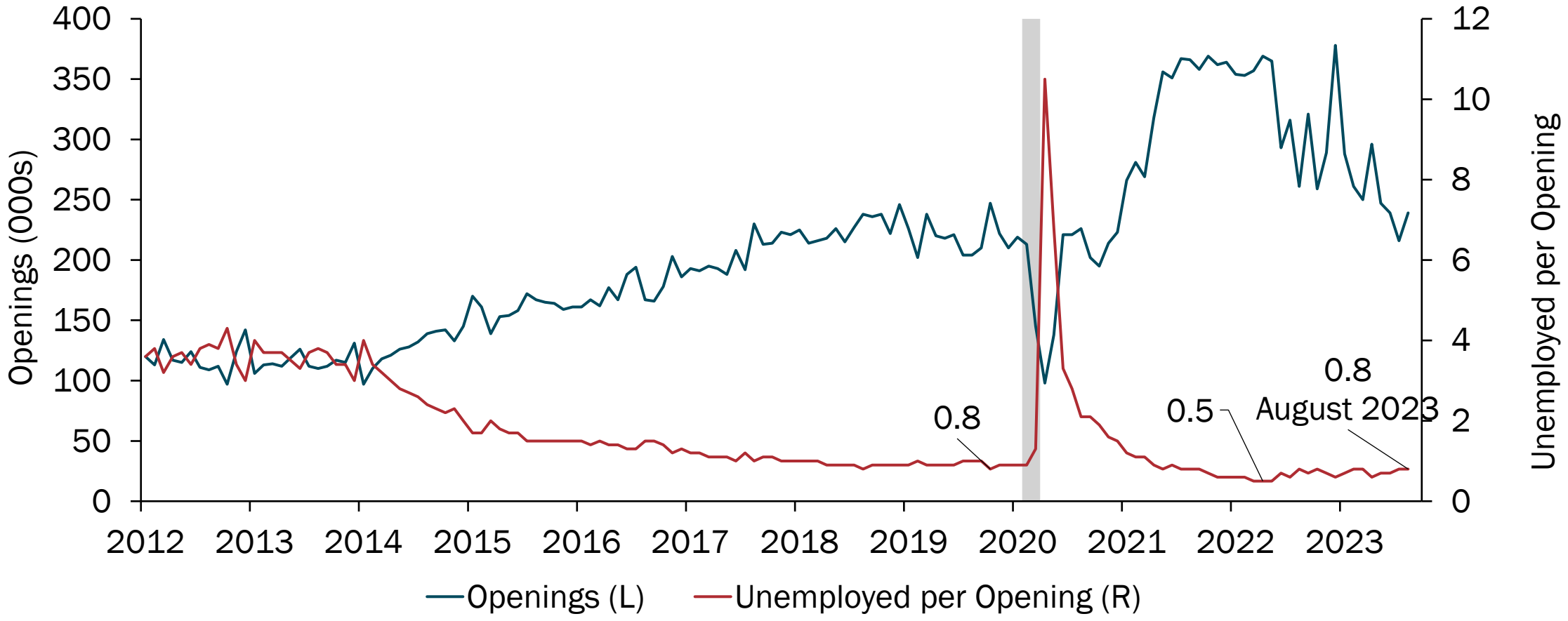
Source: US Census American Community Survey

Michigan Housing Contributes to the Workforce Shortages



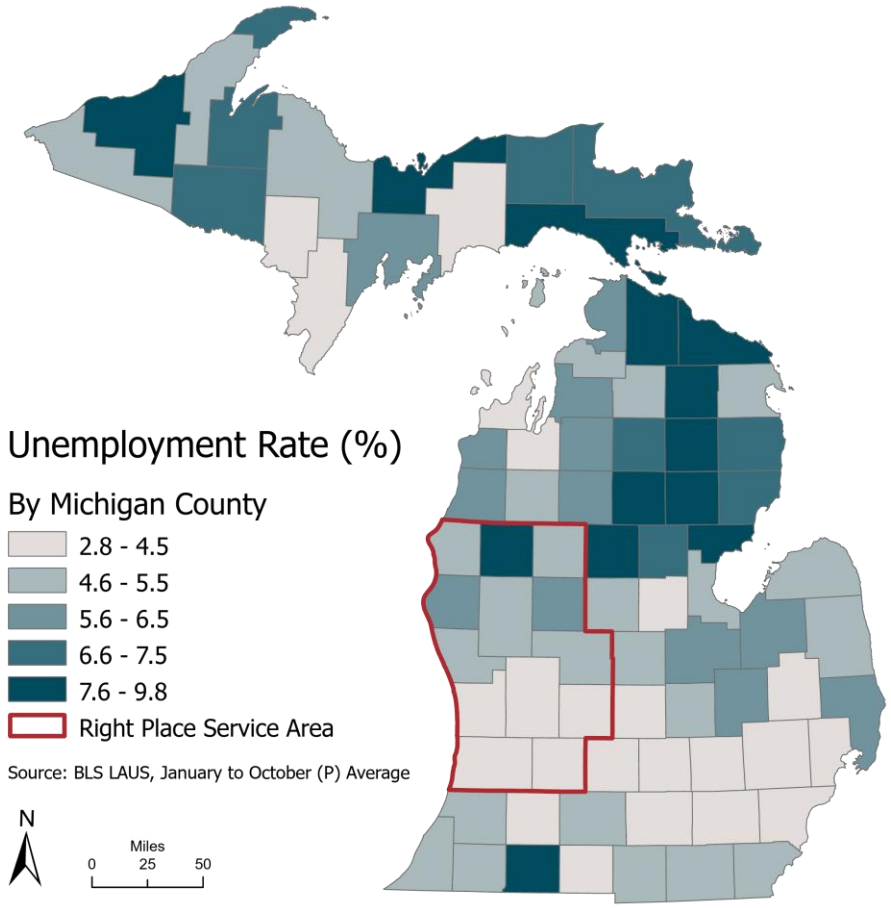
Source: US Census Building Permit Data

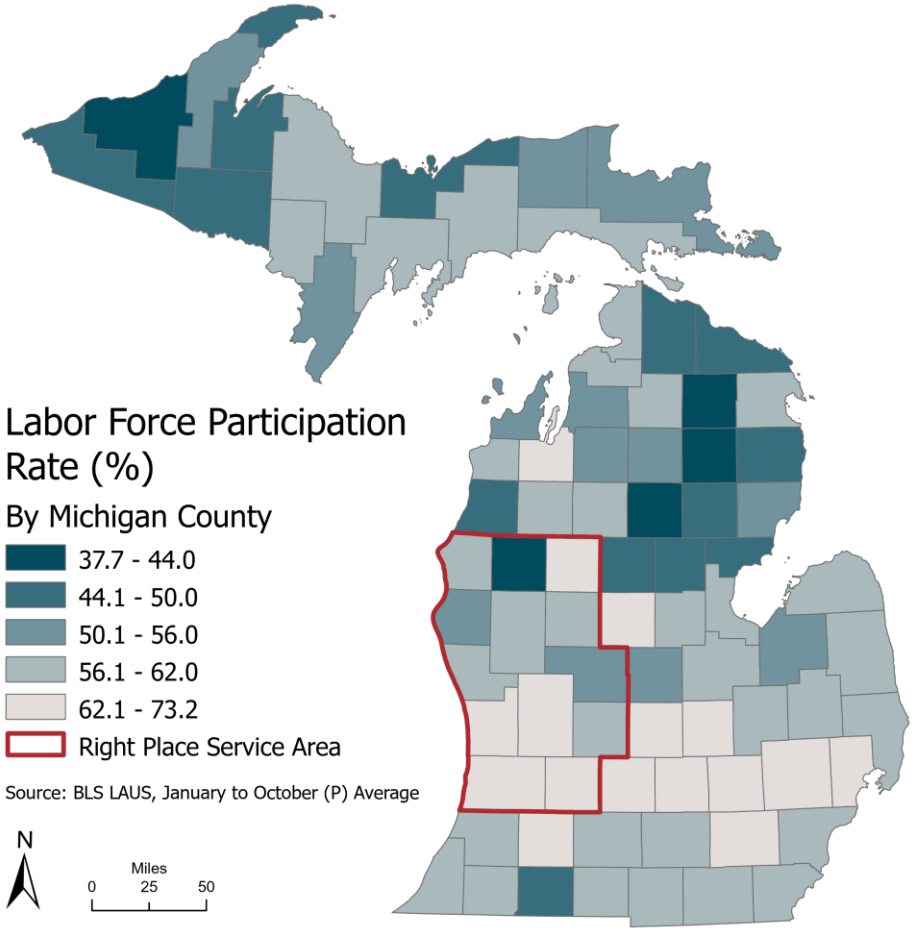
Michigan's Job Openings and Unemployed



Source: Bureau of Labor Statistics, Job Opening and Labor Turnover (JOLTS)

Unemployment and Labor Force Participation Rate, Jan-Oct 2023

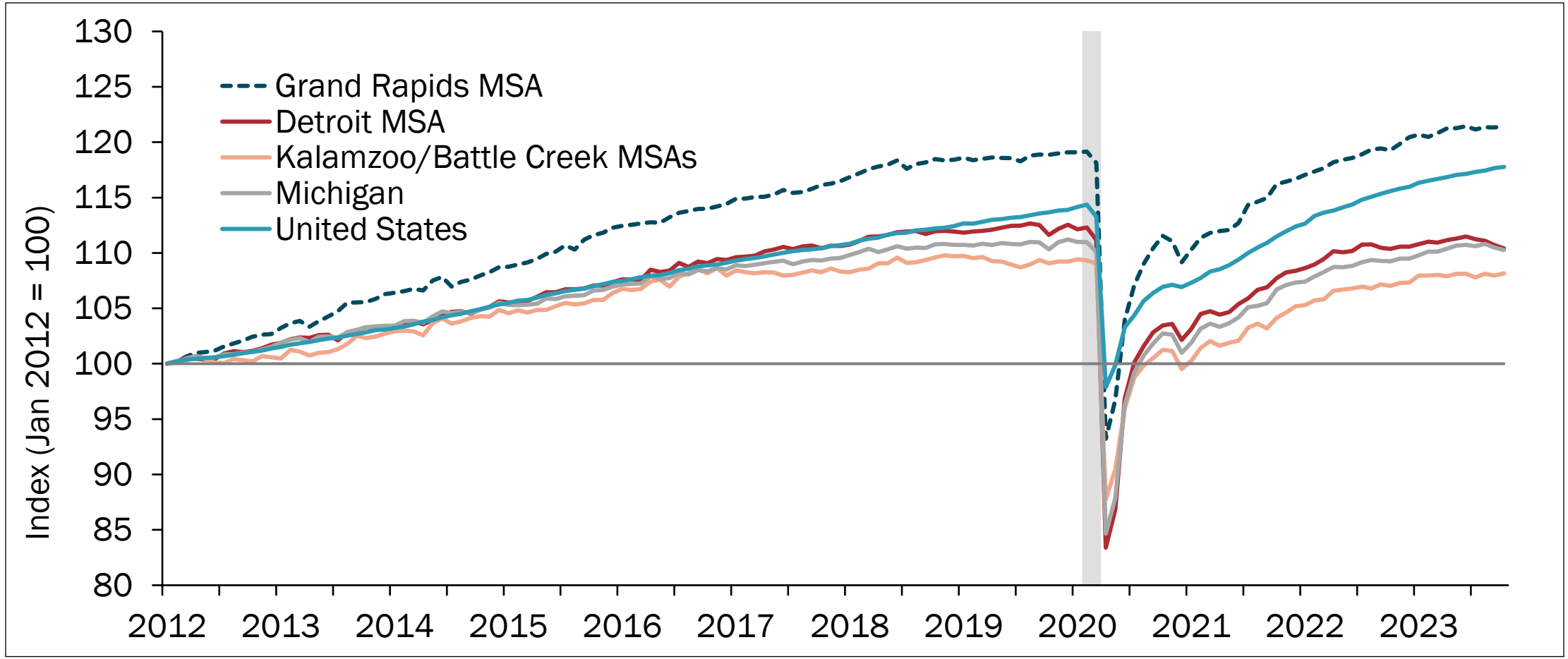




Source: Bureau of Labor Statistics, Local Area Unemployment Statistics

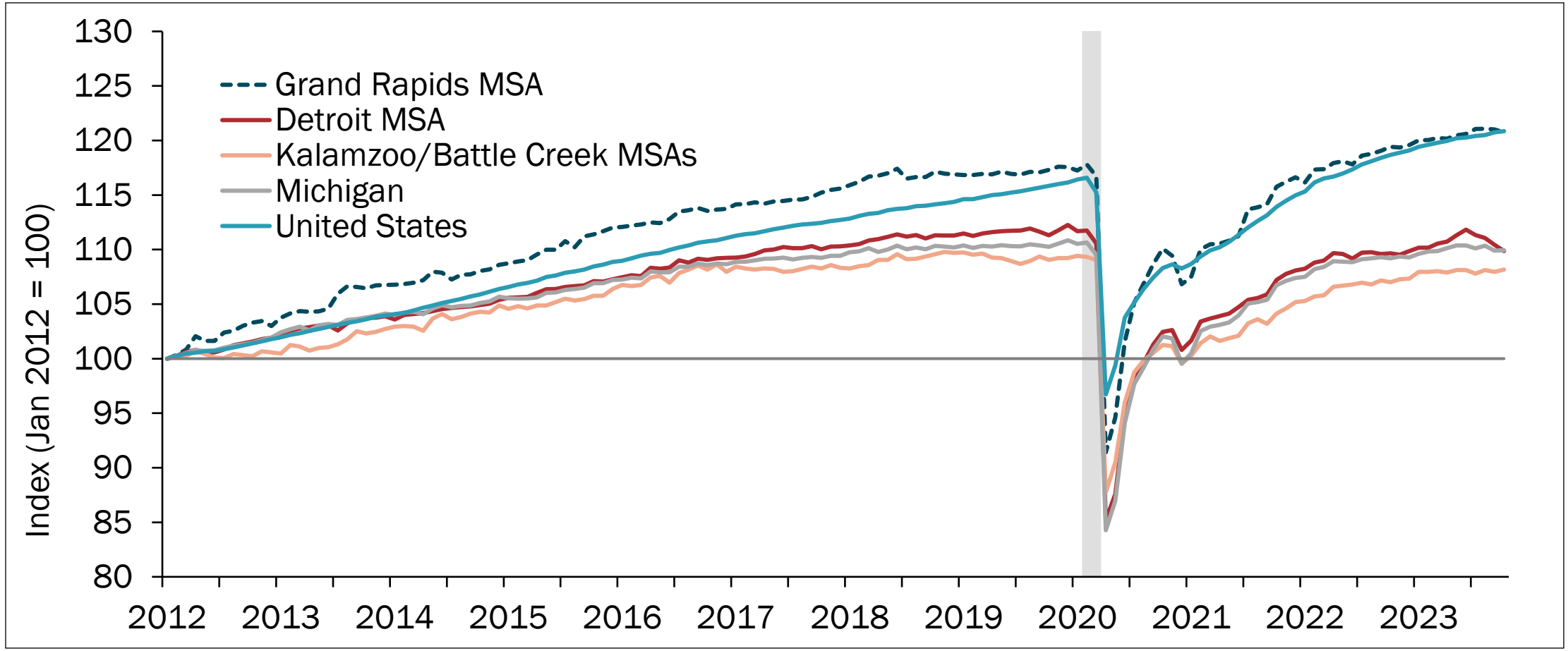
Grand Rapids in the Michigan’s Economy

Total Employment Index



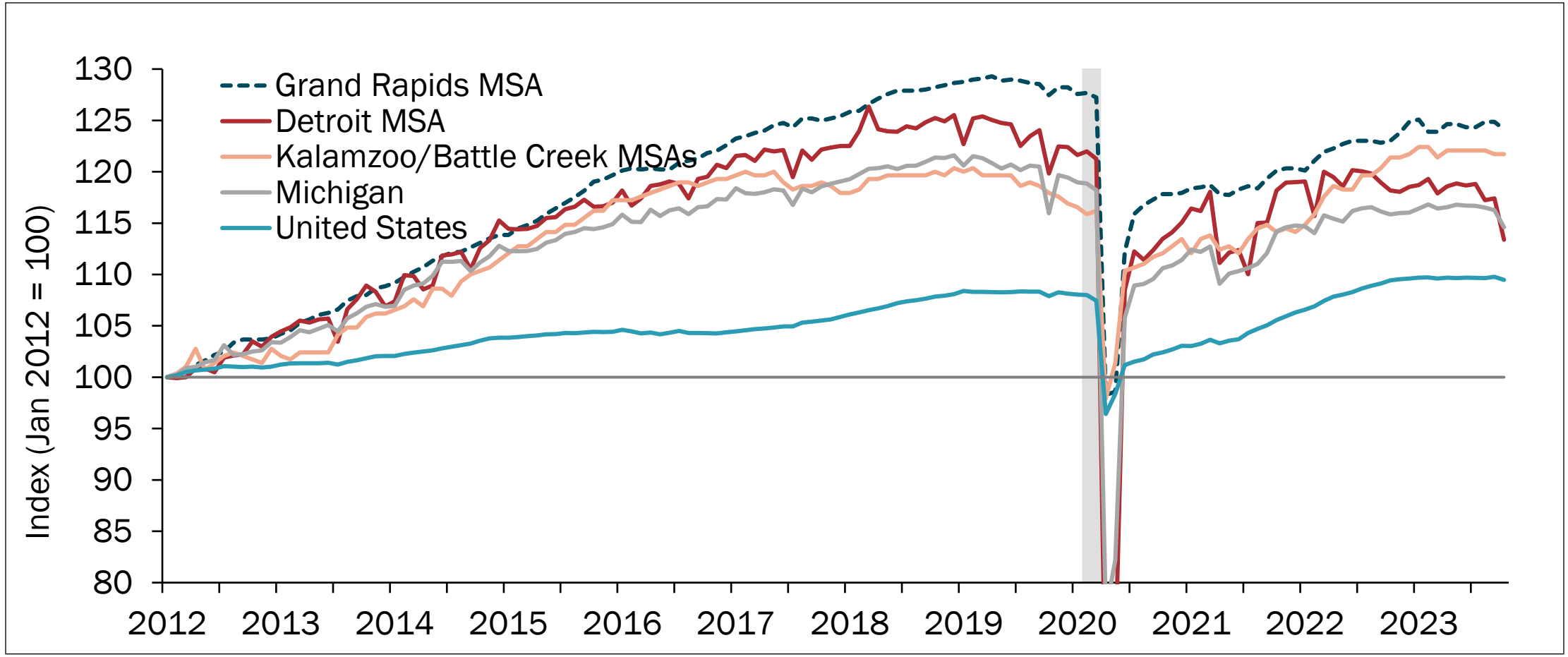
Source: Bureau of Labor Statistics, Current Employment Statistics, & Upjohn Institute

Private Services



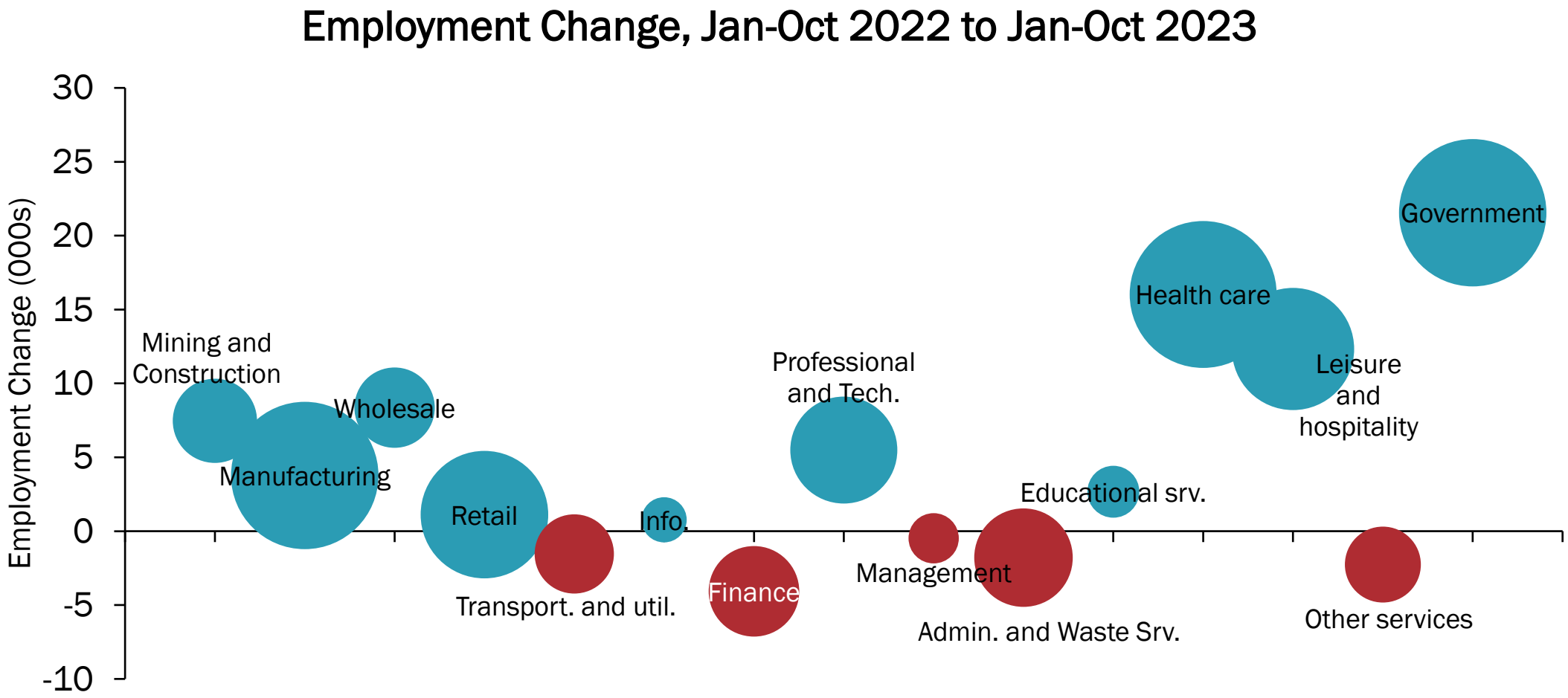
Source: Bureau of Labor Statistics, Current Employment Statistics, & Upjohn Institute

Manufacturing



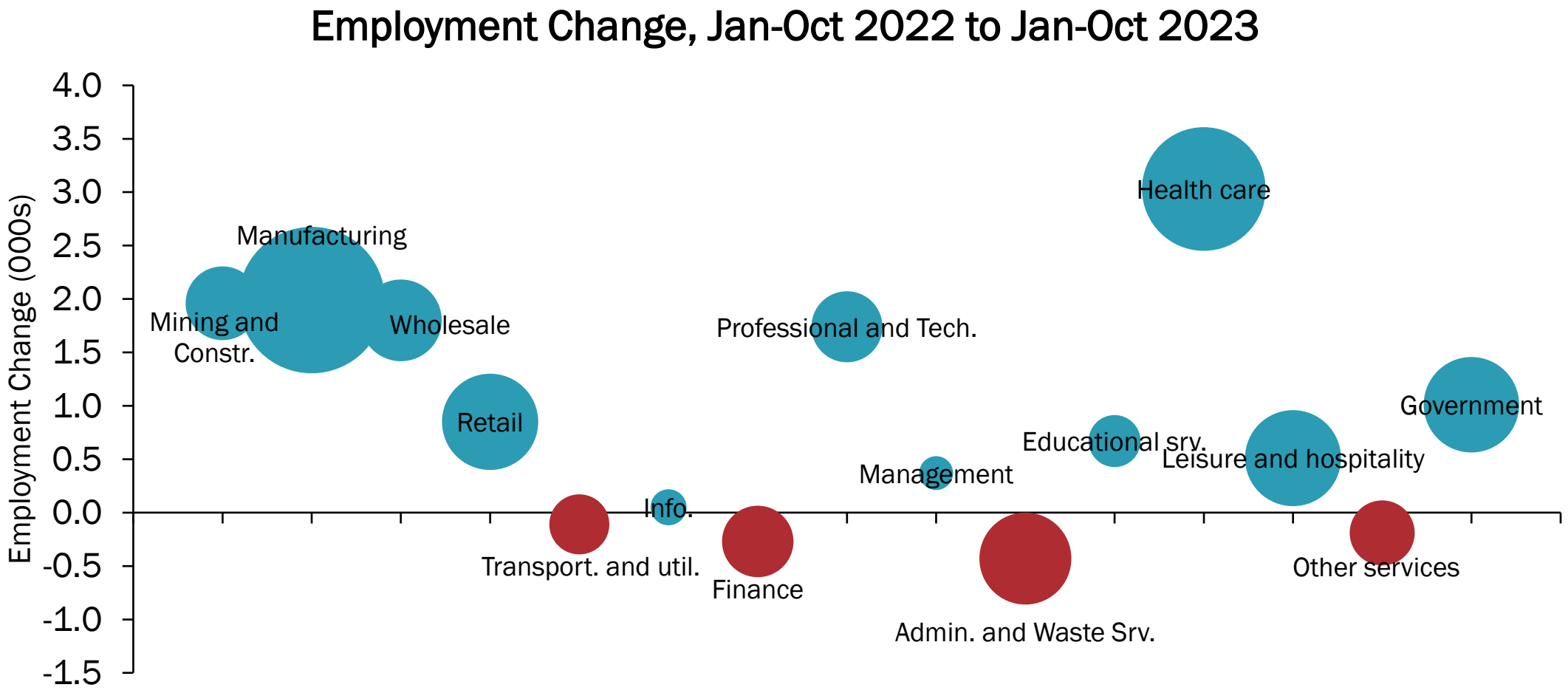
Source: Bureau of Labor Statistics, Current Employment Statistics, & Upjohn Institute

Michigan Industry Composition



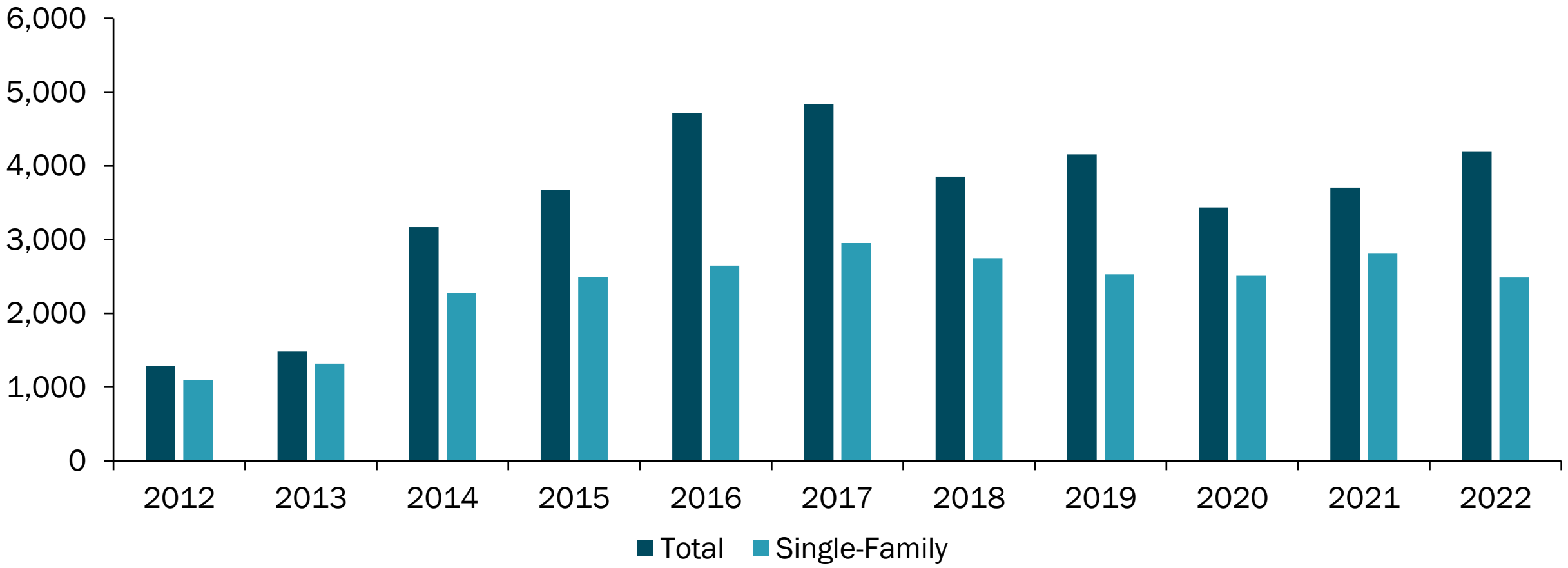
Source: Bureau of Labor Statistics, Current Employment Statistics

Grand Rapids Industry Composition



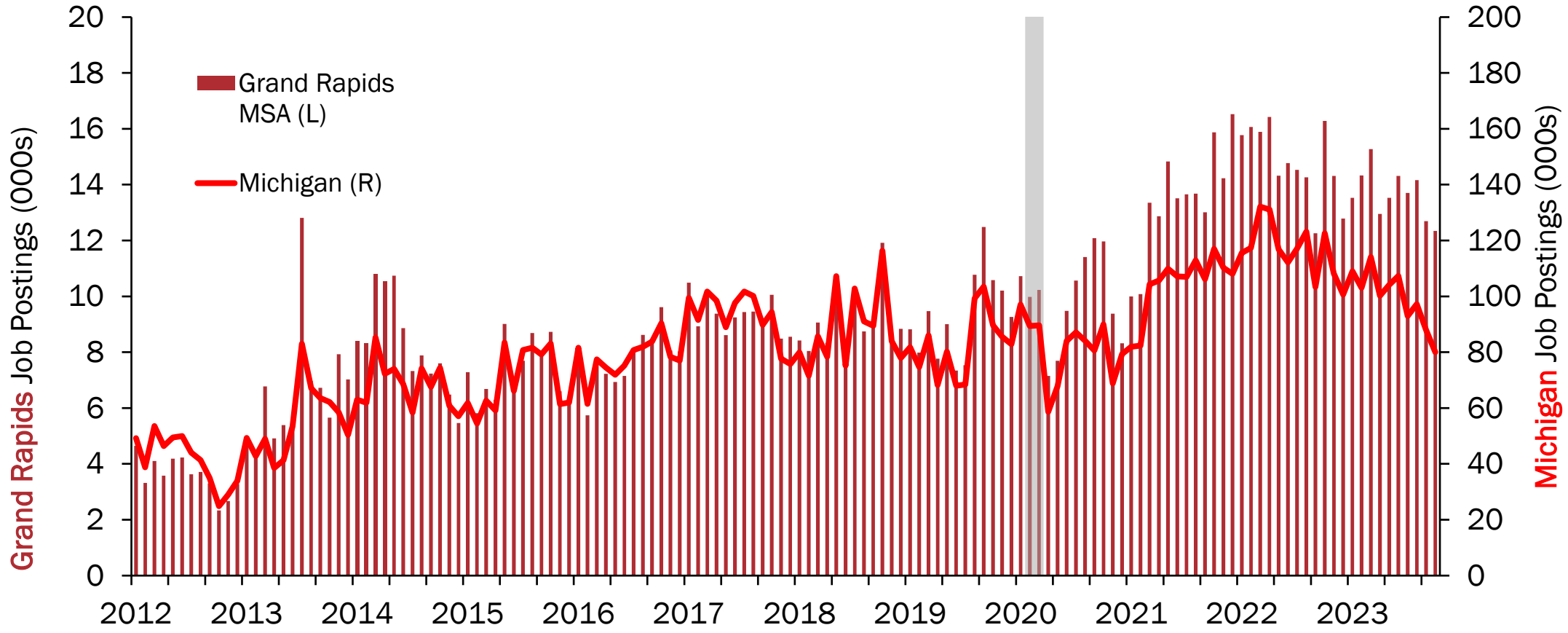
Source: Bureau of Labor Statistics, Current Employment Statistics

Grand Rapids MSA's Building Permits



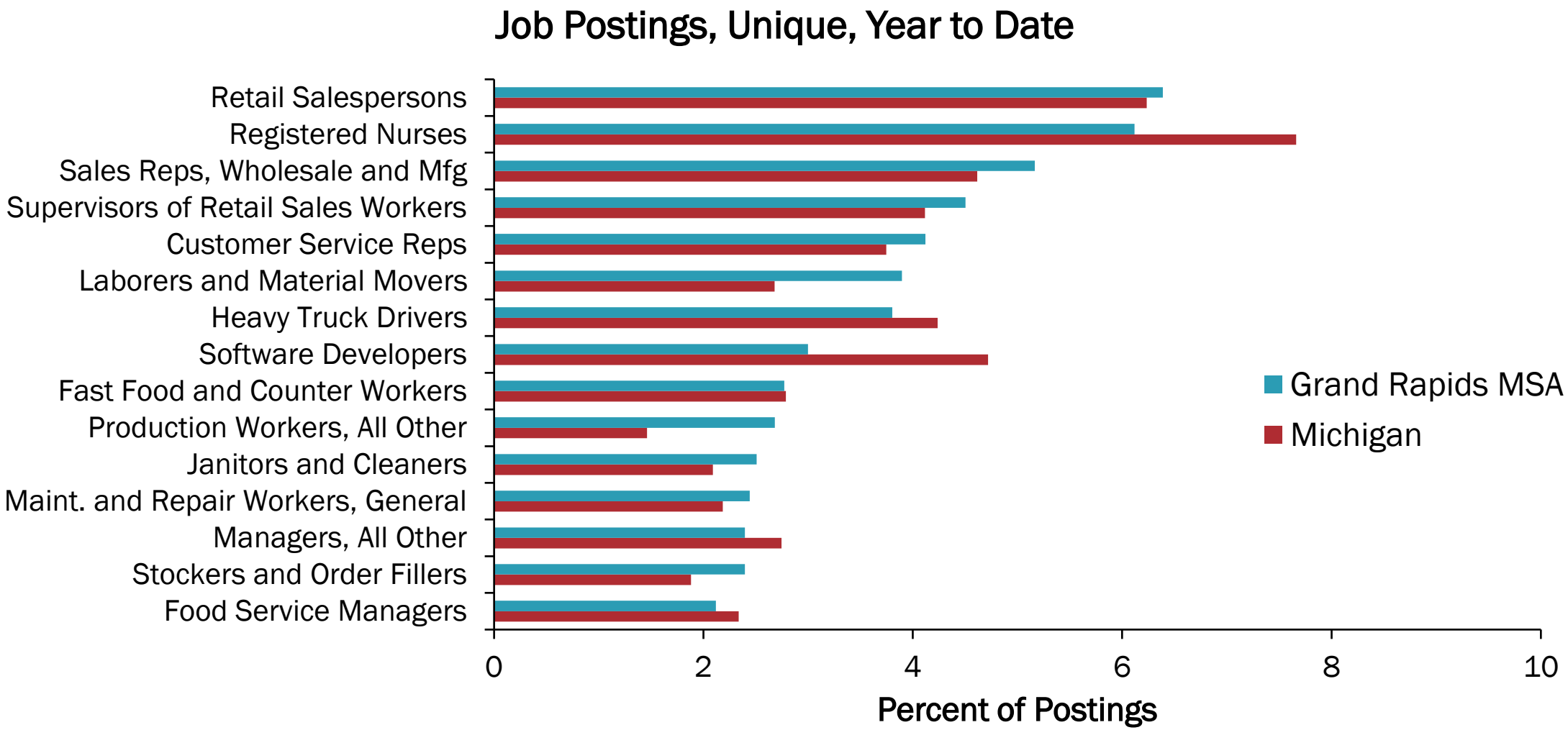
Source: US Census Building Permit Data

Grand Rapids and Michigan Job Postings



Source: ESRI Lightcast

2023 Top Occupations for Grand Rapids



MI Patents and Applications

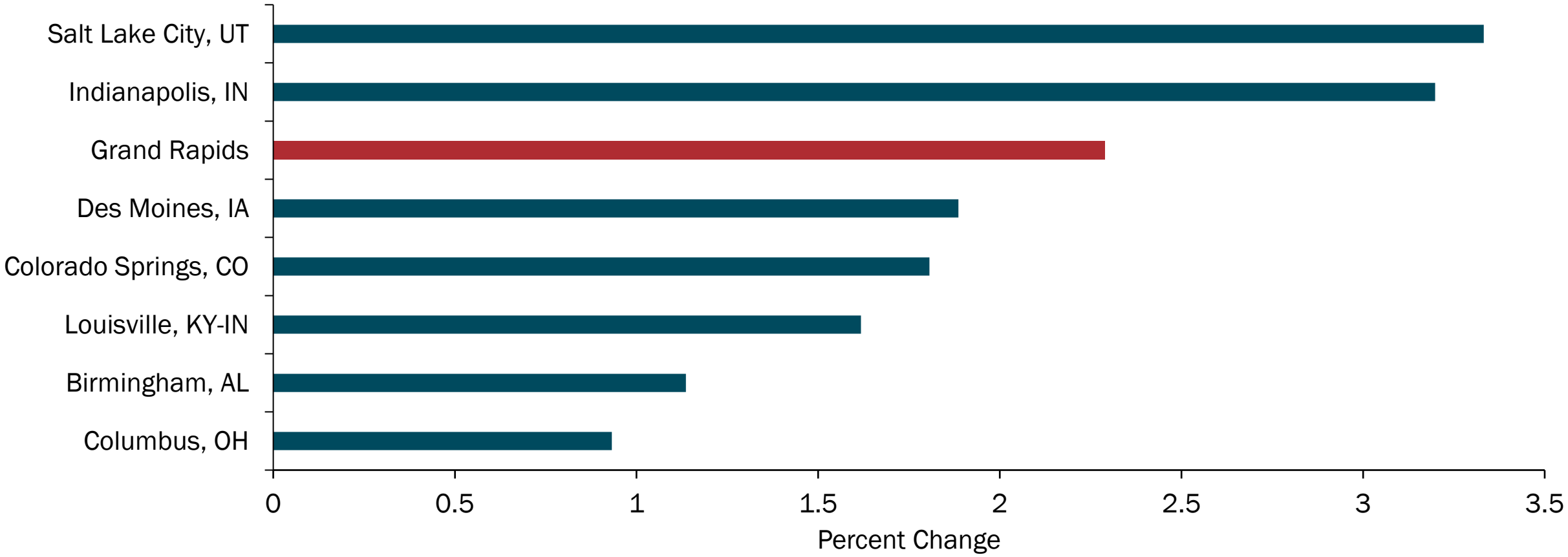
MI Patent Applications	
2019	8,844
2020	7,823
2021	8,059
2022	7,649

Patent Issued		
State	2022	2023
California	43,865	45,512
Texas	11,448	11,557
Massachusetts	7,684	7,786
New York	8,176	7,584
Washington	7,297	6,908
Michigan	5,966	6,032
Florida	4,919	5,081
Illinois	5,019	5,024
New Jersey	4,338	4,304
Pennsylvania	4,325	4,229
Ohio	4,445	4,143

Source: USPTO FY2023 Workload Tables

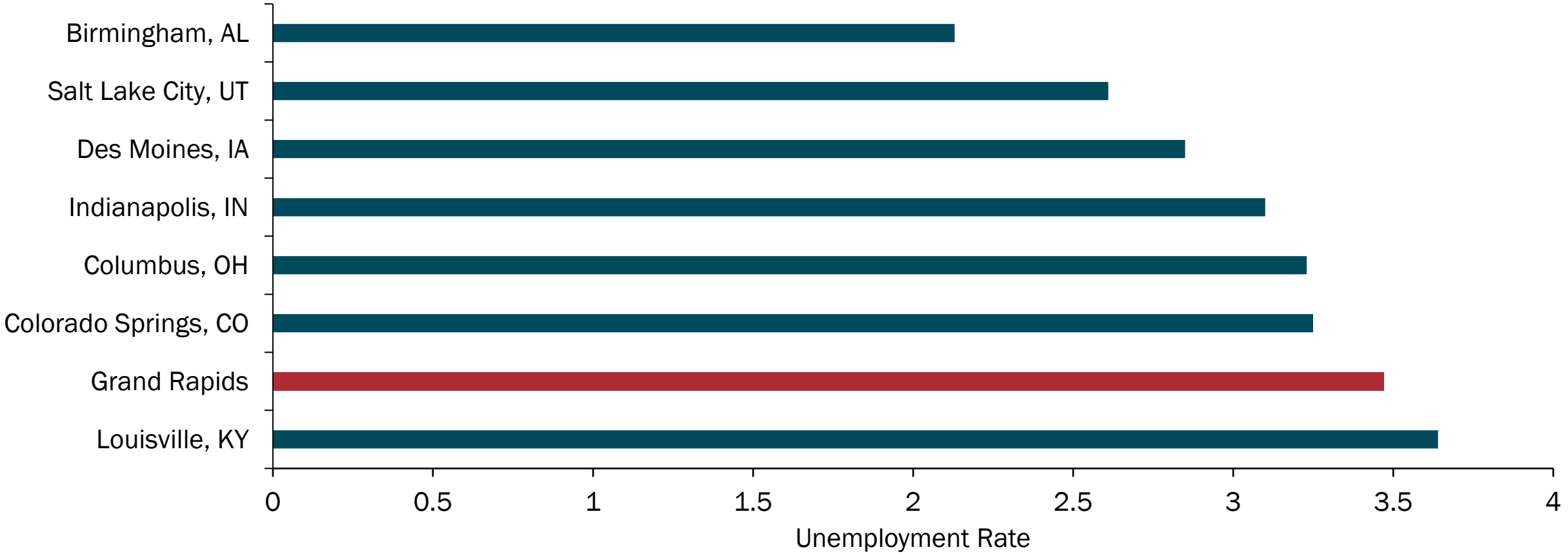
Grand Rapids and Comparable MSAs

Total Employment Change, 2022 to 2023 (Jan.-Oct.)



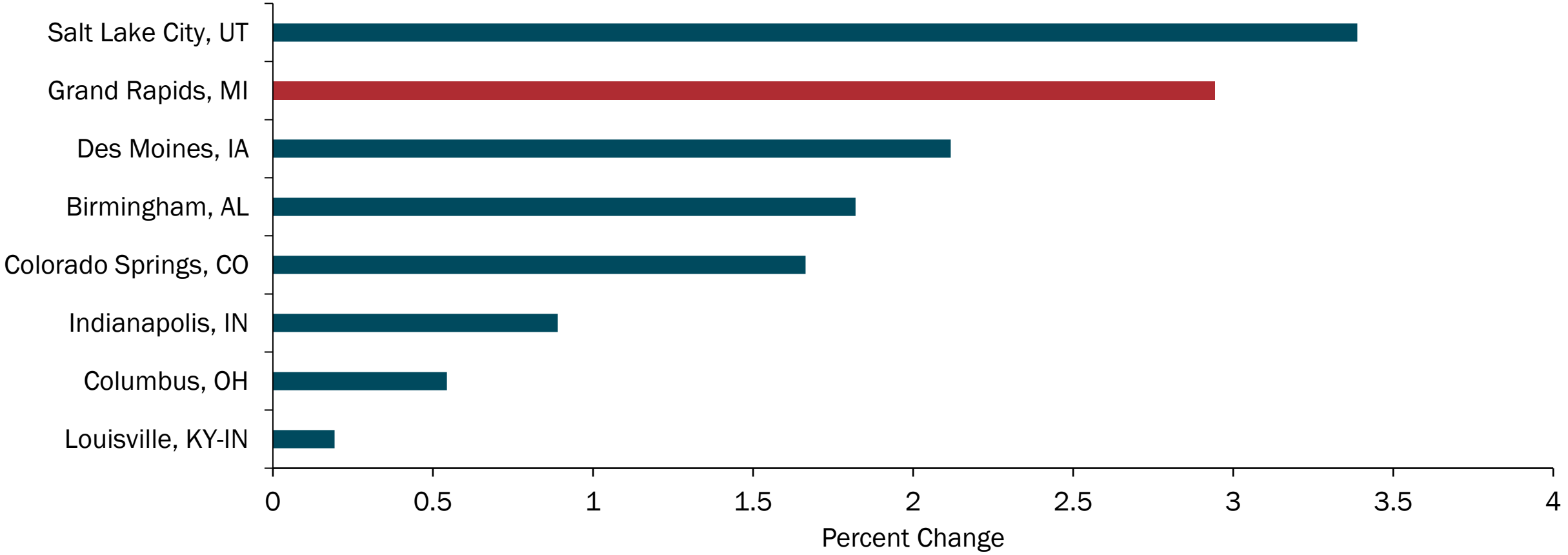
Source: Bureau of Labor Statistics, Current Employment Statistics

2023 Unemployment Rate, Jan-Oct



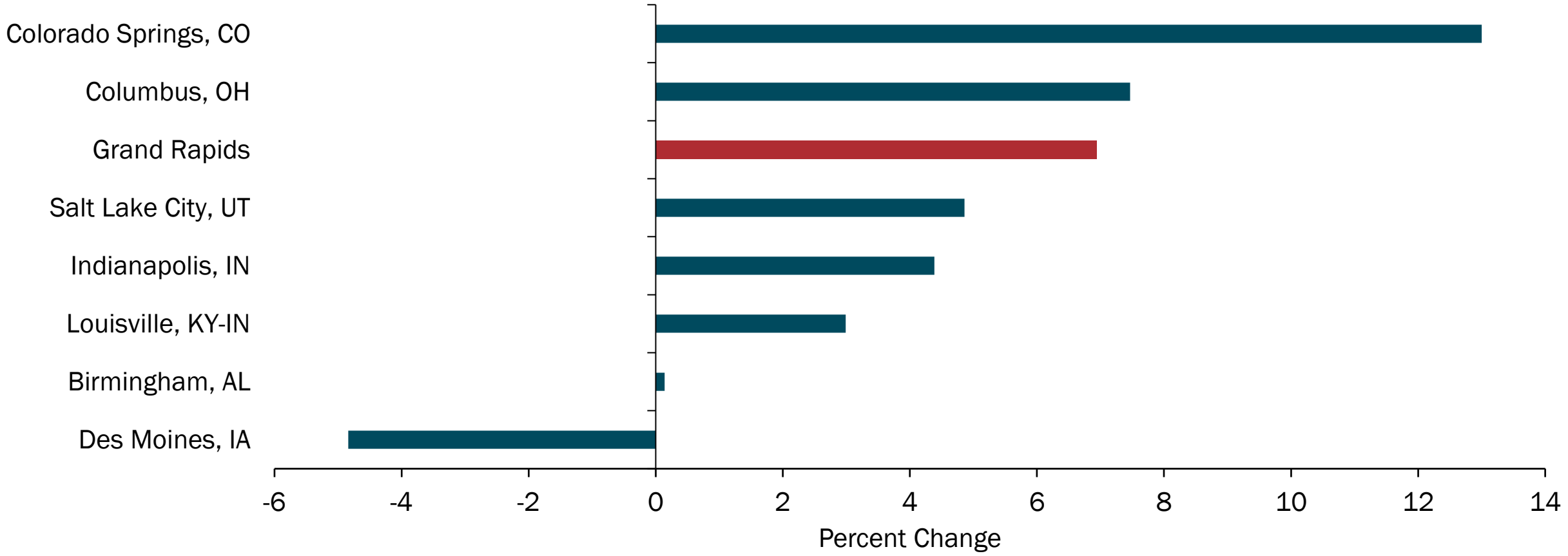
Source: Bureau of Labor Statistics, Local Area Unemployment Statistics

Private Services Employment Change, 2022-2023



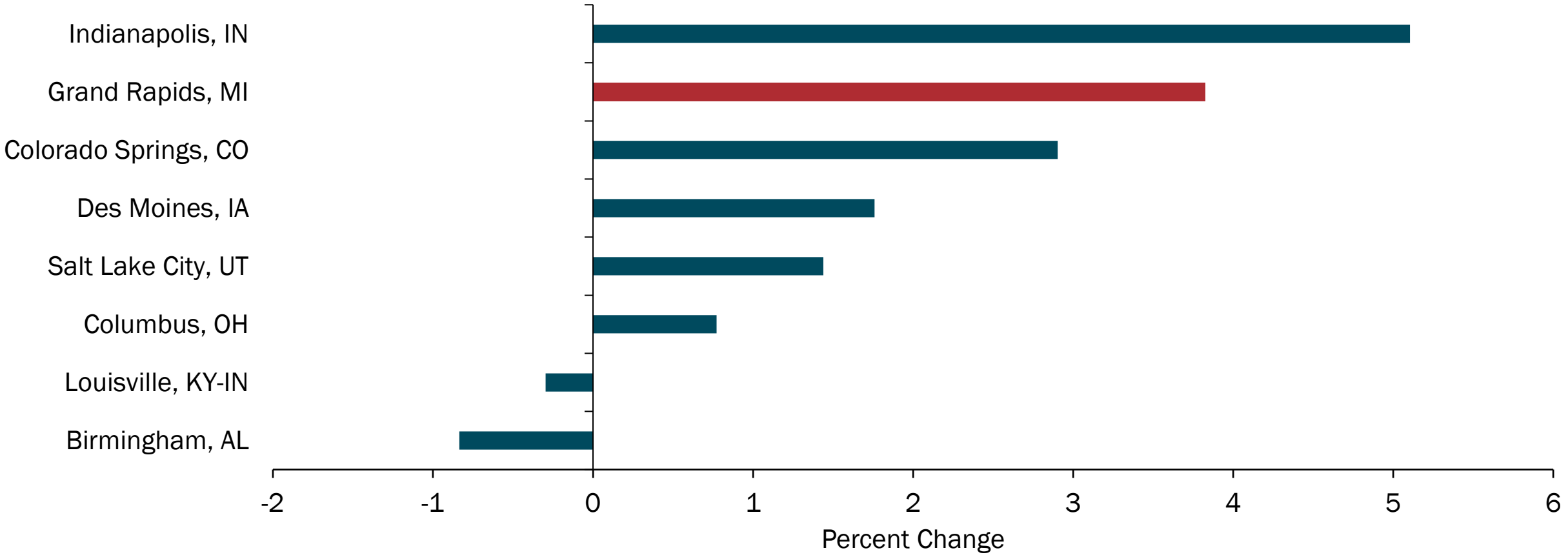
Source: Bureau of Labor Statistics, Current Employment Statistics

Professional, Scientific, and Technical Services, 2022-2023



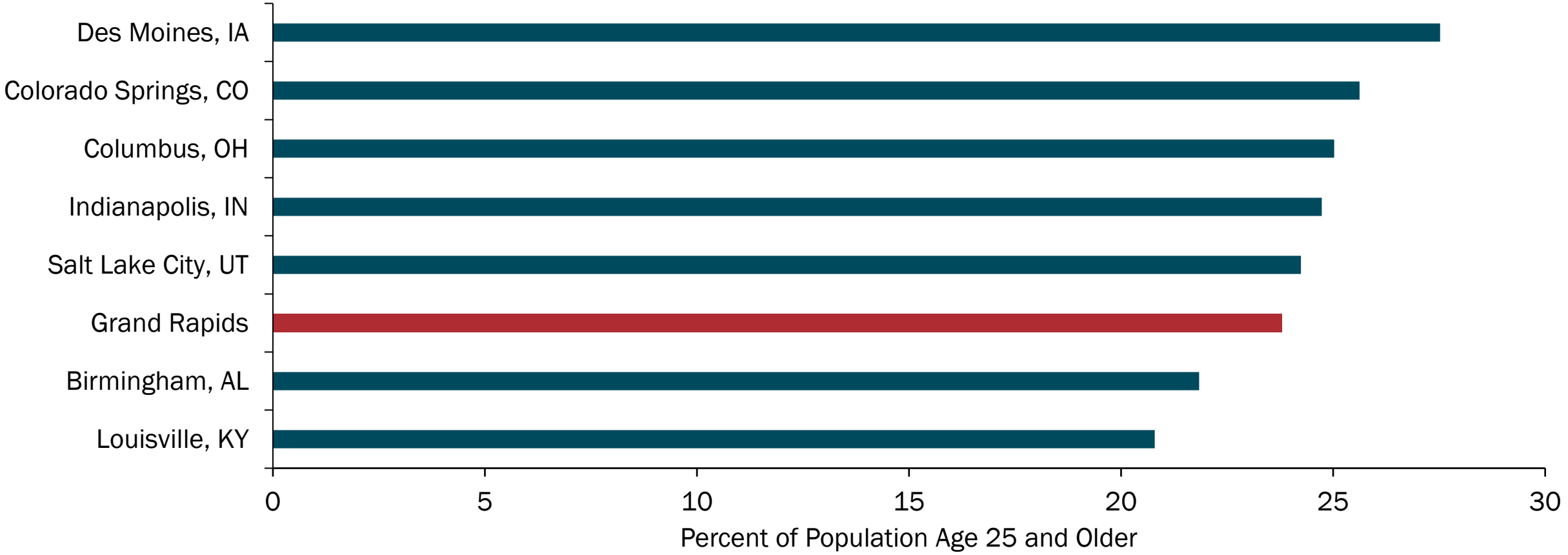
Source: Bureau of Labor Statistics, Current Employment Statistics

Manufacturing Employment Change, 2022-2023



Source: Bureau of Labor Statistics, Current Employment Statistics

Percent Bachelor's Degree or Higher, 2022



Source: US Census American Community Survey

STEM Occupations Employment Concentration

Region	2022 EMP STEM occupations	2022 EMP STEM occupations LQ	Median annual earnings
Grand Rapids	30,125	0.88	$77,502
Detroit	152,144	1.34	$90,582
Michigan	285,921	1.11	$84,042

Unique Job Postings for STEM Occupations, 2023 YTD

- Kent County: 11,347
- Ottawa County: 2,986
- Ionia County: 149
- Montcalm County: 119

- Grand Rapids: 14,601
- Detroit: 71,075
- Michigan STEM Total: 139,782

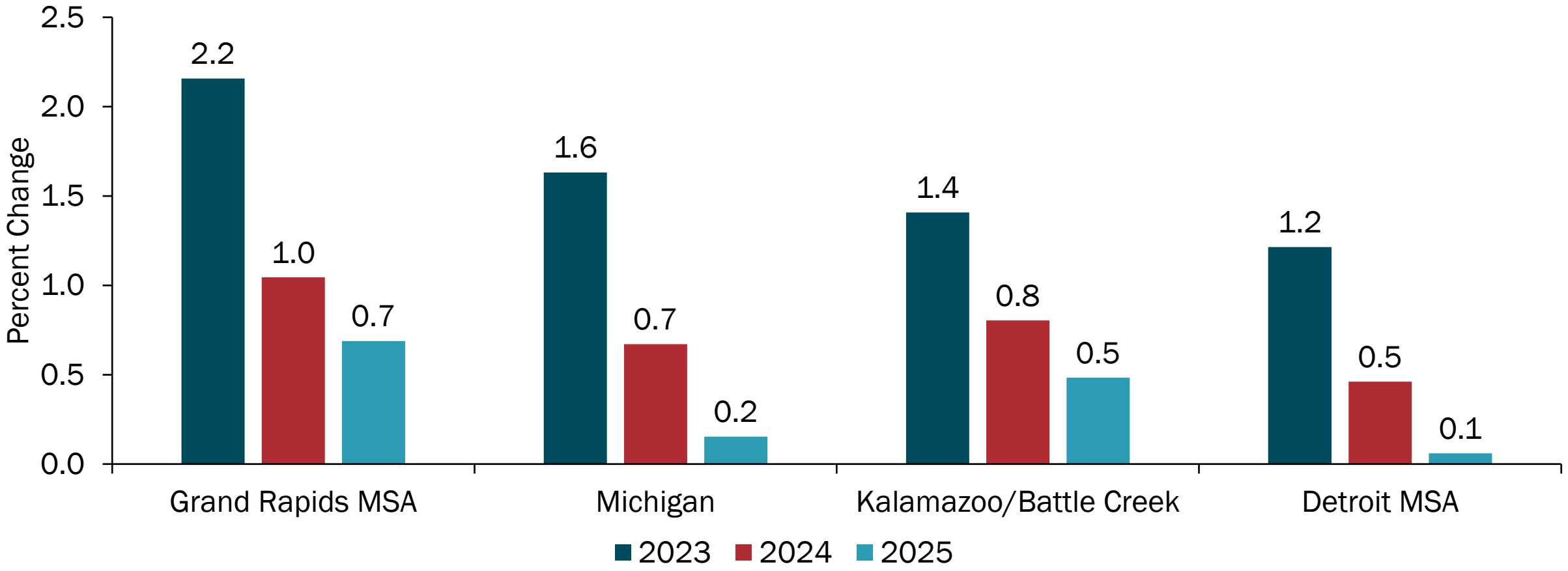
Source: Lightcast Occupation Data

Projections

Statewide University of Michigan RSQE Forecast

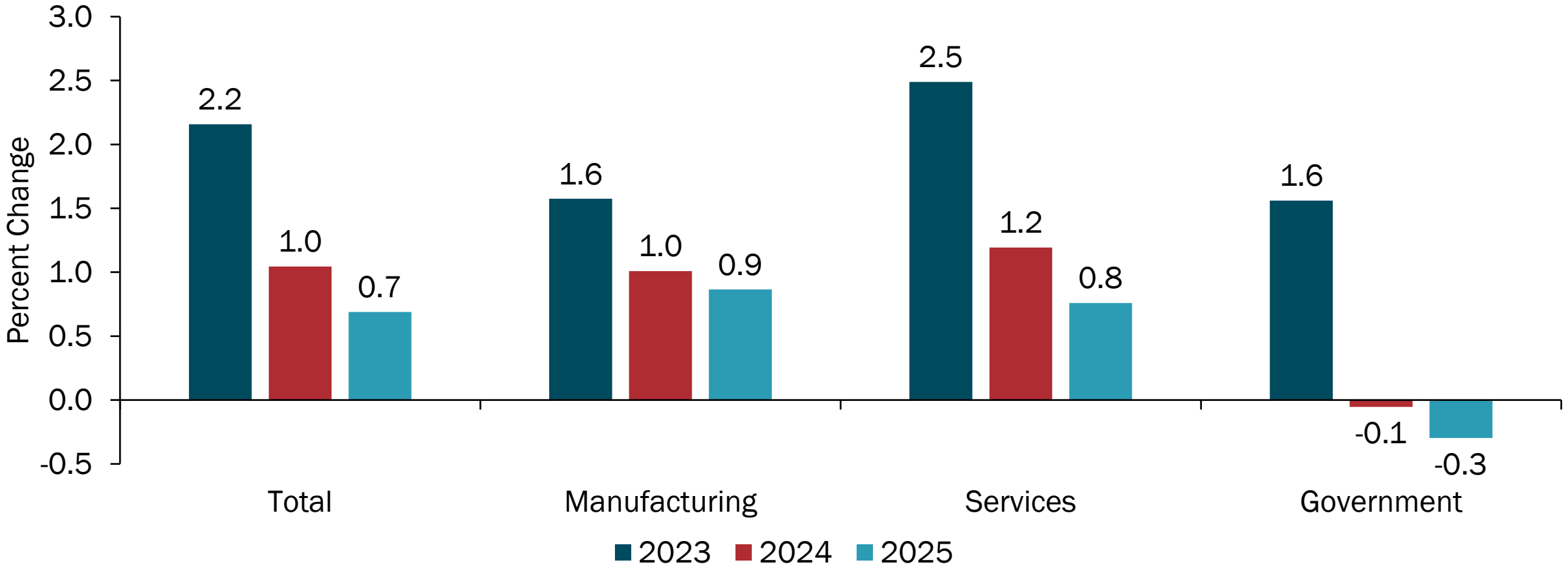
	2023	2024 (Forecast)	2025 (Forecast)
Employment (Percent)	1.51	0.91	0.95
Manufacturing Employment (Percent)	0.41	0.92	1.15
Unemployment Rate (Percent)	3.7	4.2	4.1
CPI-Detroit/Inflation (Percent)	5.9	3.8	2.6

Employment Change: MI and Grand Rapids



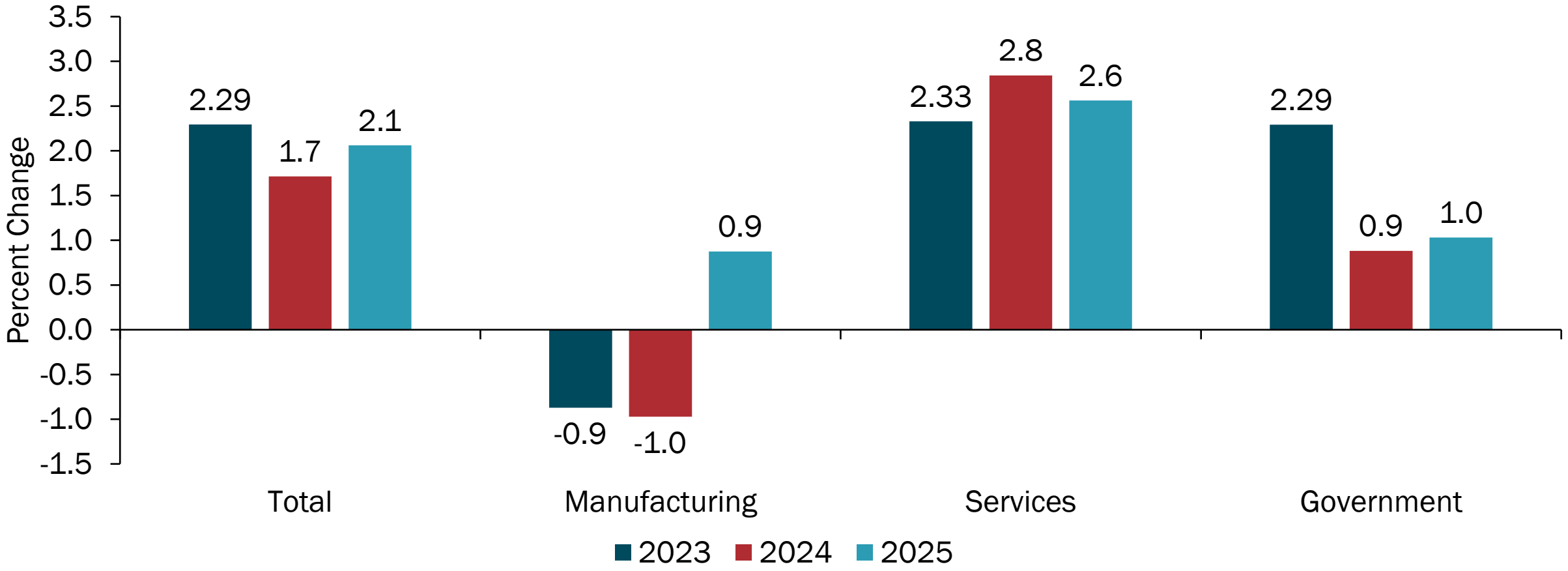
Source: Moody's Analytics, Upjohn

Employment Change: Sectors of Grand Rapids



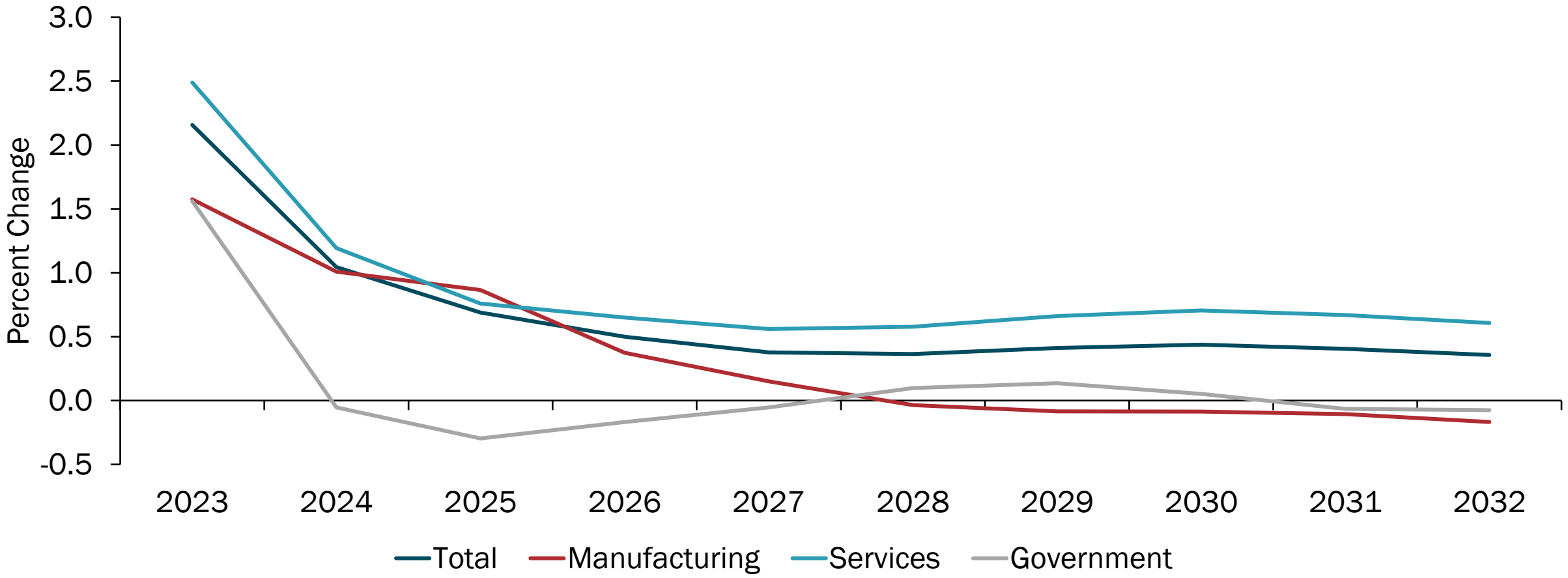
Source: Moody's Analytics, Upjohn

GDP Change: Sectors of Grand Rapids



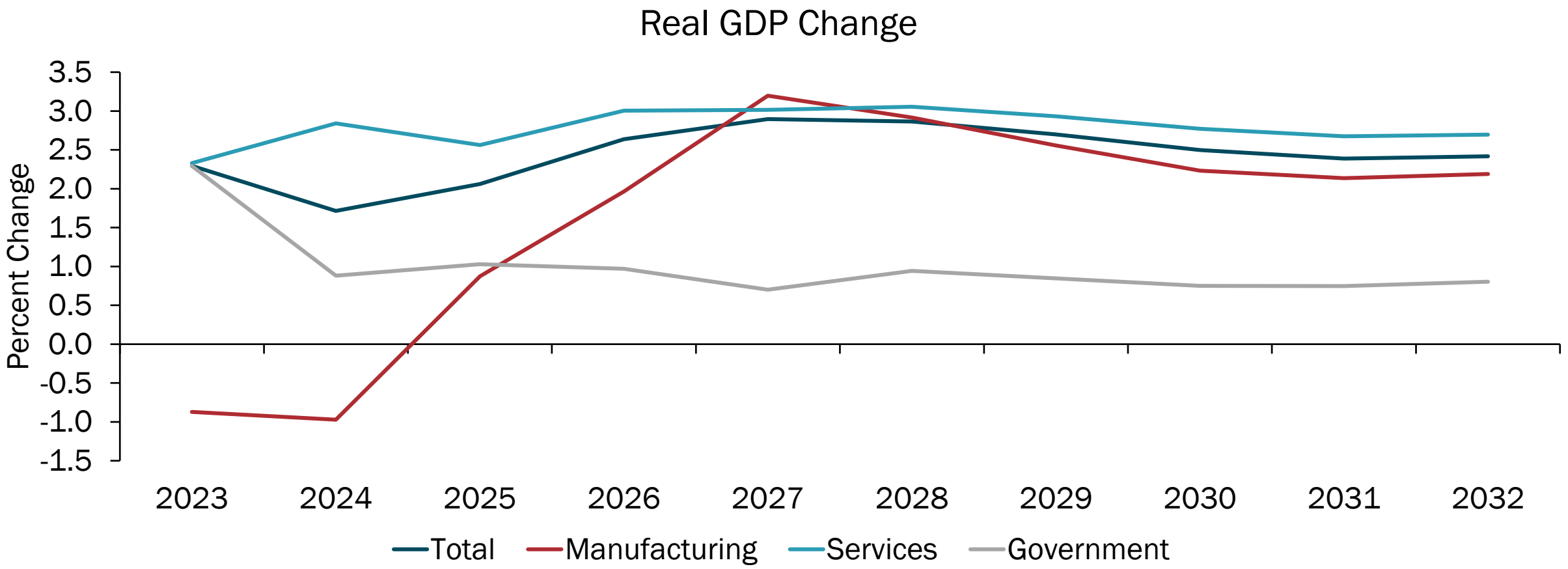
Source: Moody's Analytics

Grand Rapids: Employment Trends



Source: Moody's Analytics, Upjohn

Grand Rapids: GDP Trends



Source: Moody's Analytics, Upjohn

Questions and Data Requests

Iryna V. Lendel
lendel@upjohn.org
269.385.0450