

Vail Valley Economic Forum Firmly in Recovery Mode



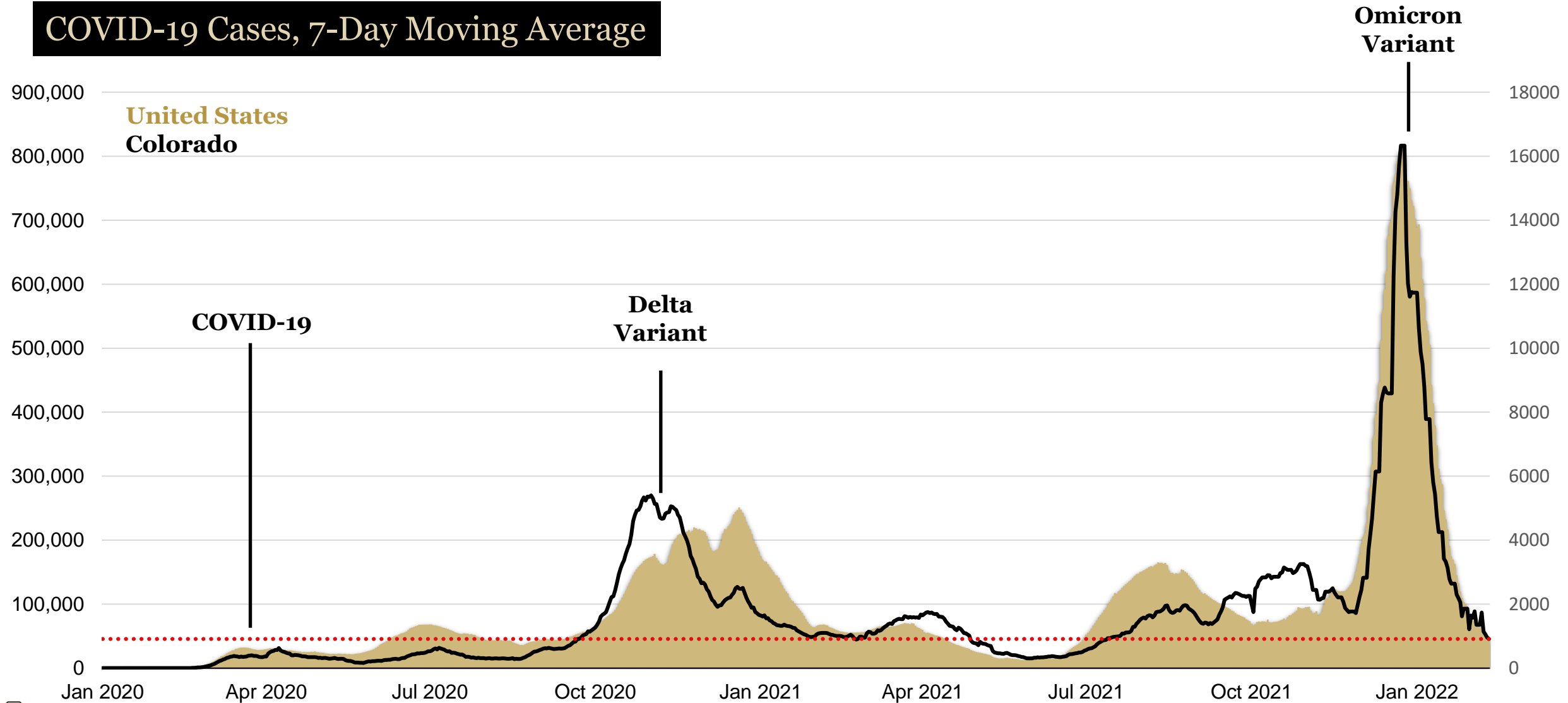
Richard Wobbekind

Senior Economist and Associate Dean for Business and Government Relations
Business Research Division
University of Colorado Boulder

March 29, 2022

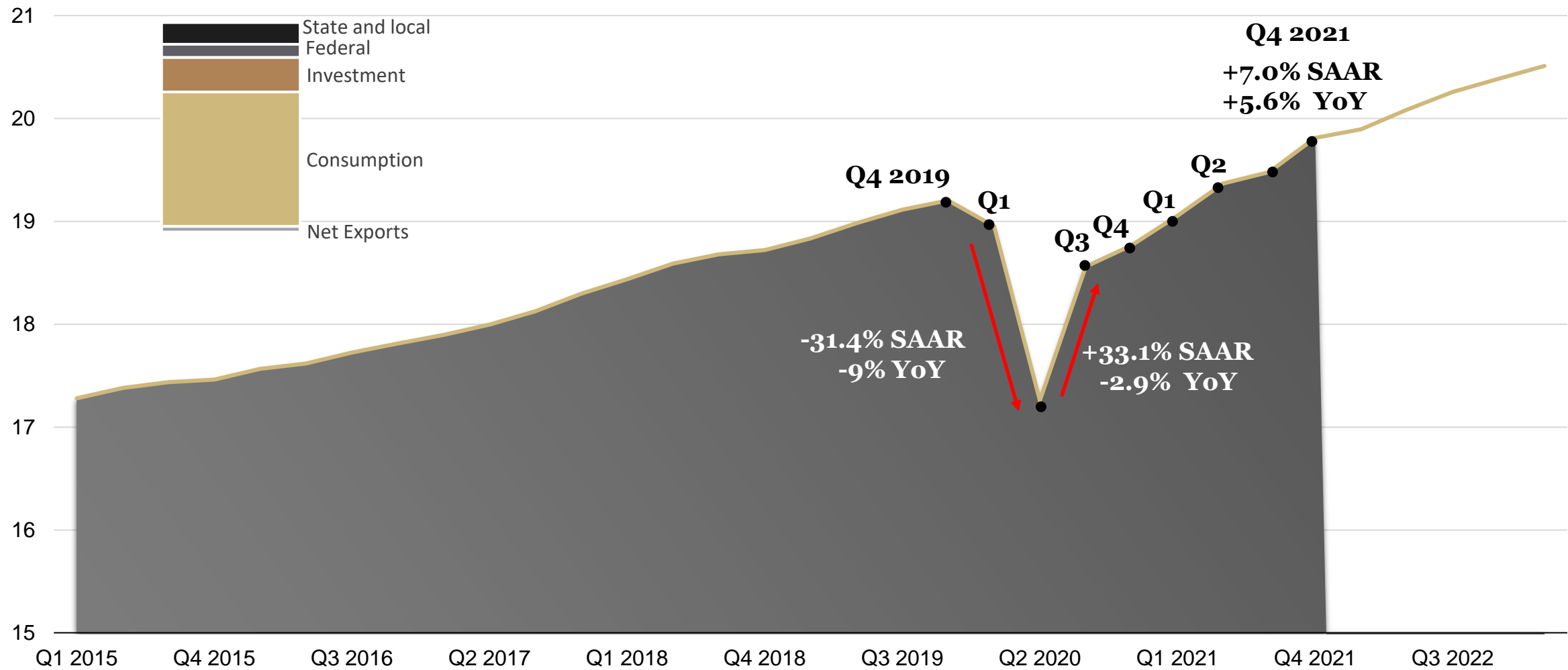
COVID-19 Still Top of Mind

COVID-19 Cases, 7-Day Moving Average



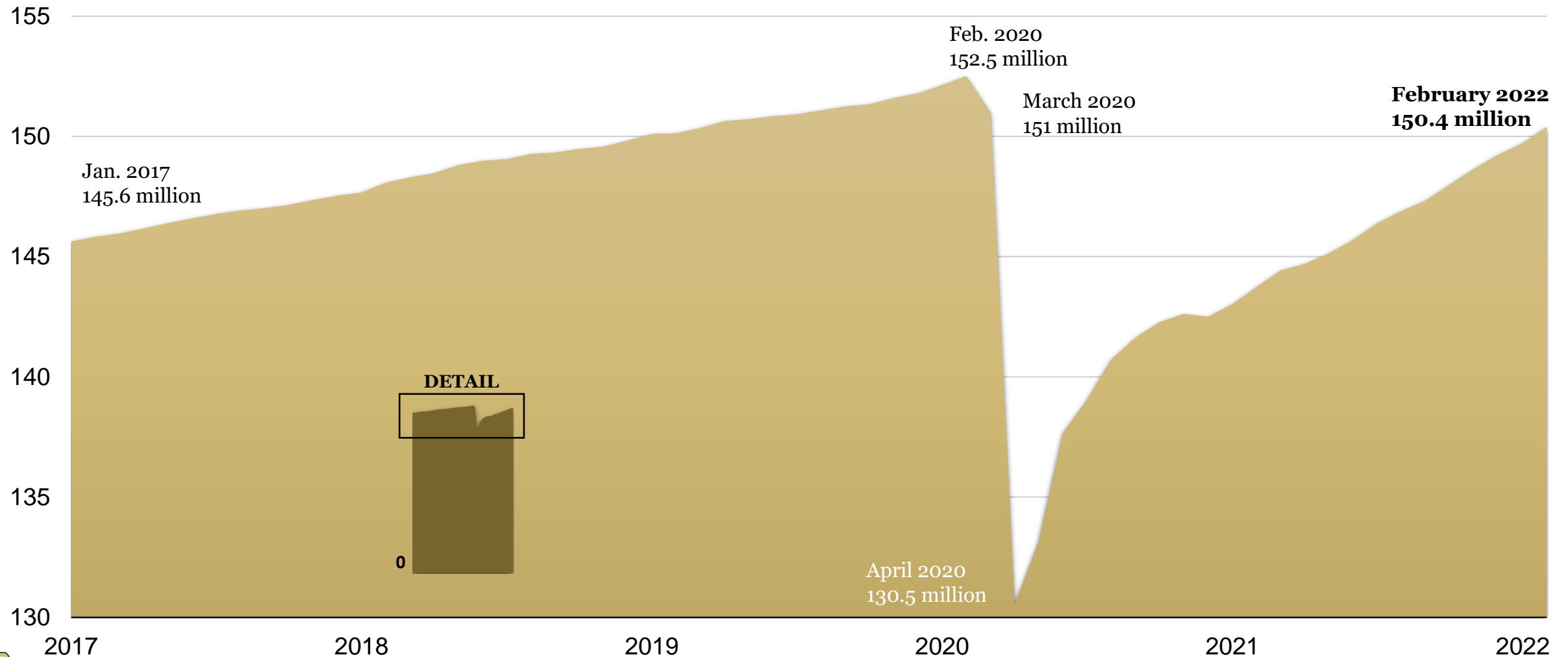
U.S. Real GDP

U.S. Quarterly GDP, \$ Trillions



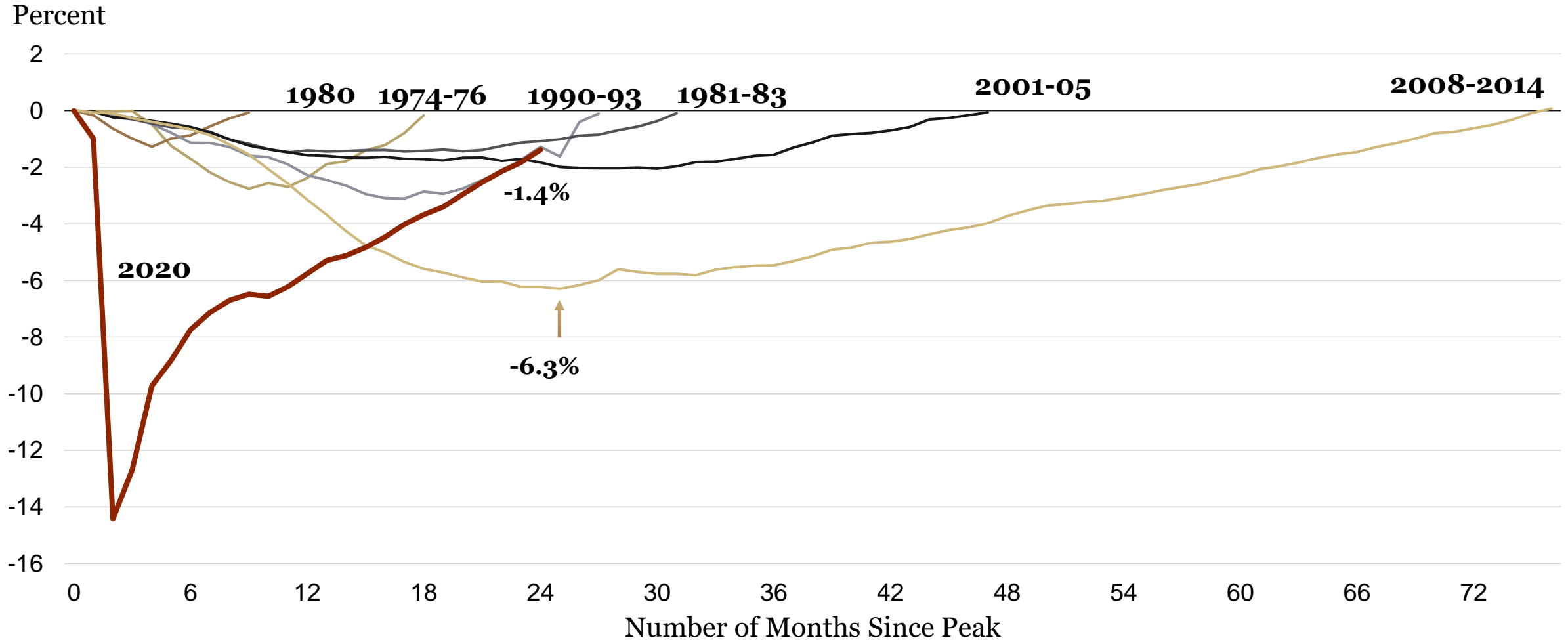
U.S. Nonfarm Employment

U.S. Nonfarm Employment, Monthly, Millions of Jobs



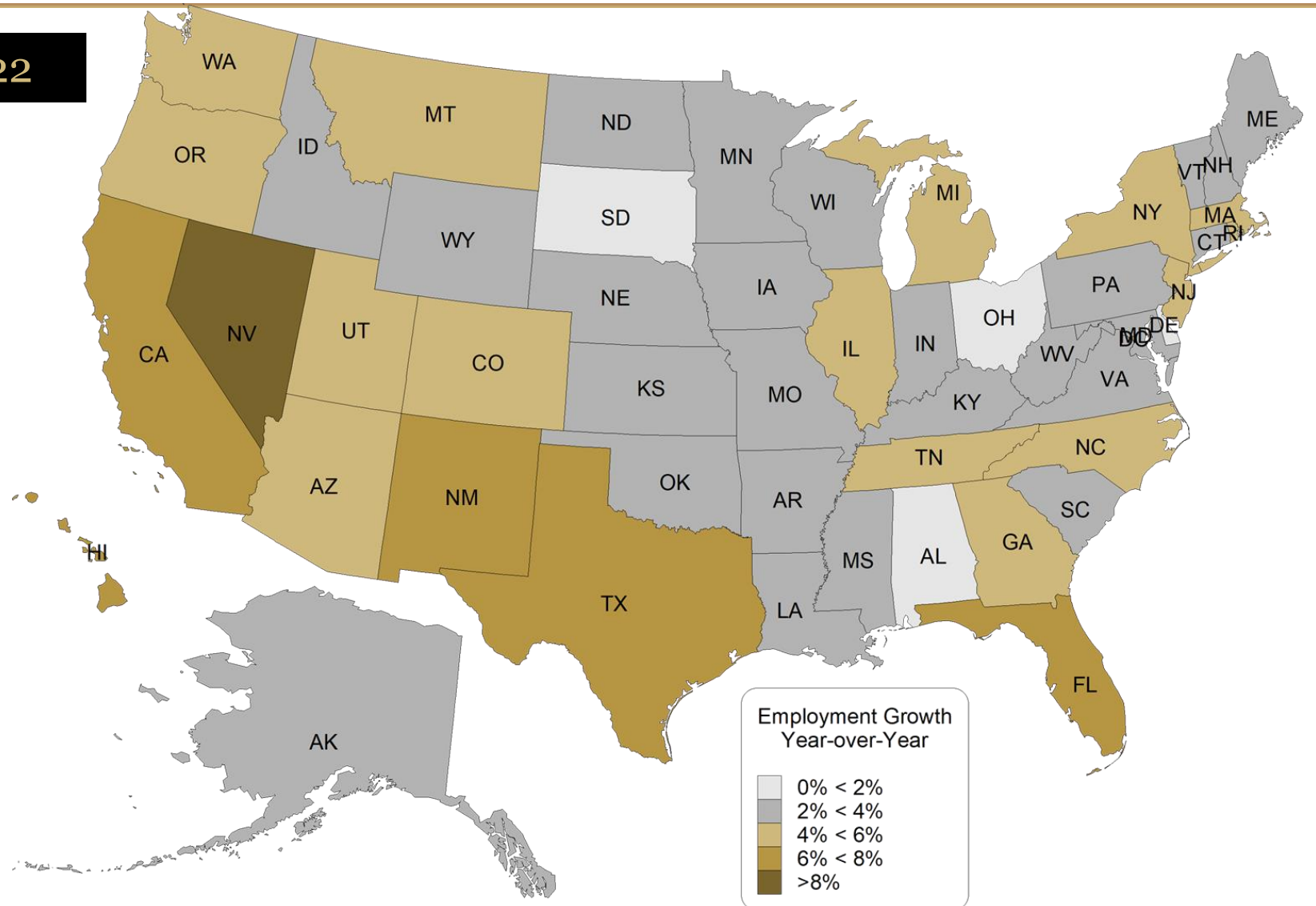
Months to Recovery from Recessions

U.S. Nonfarm Employment, Number of Months Since Recession Peak



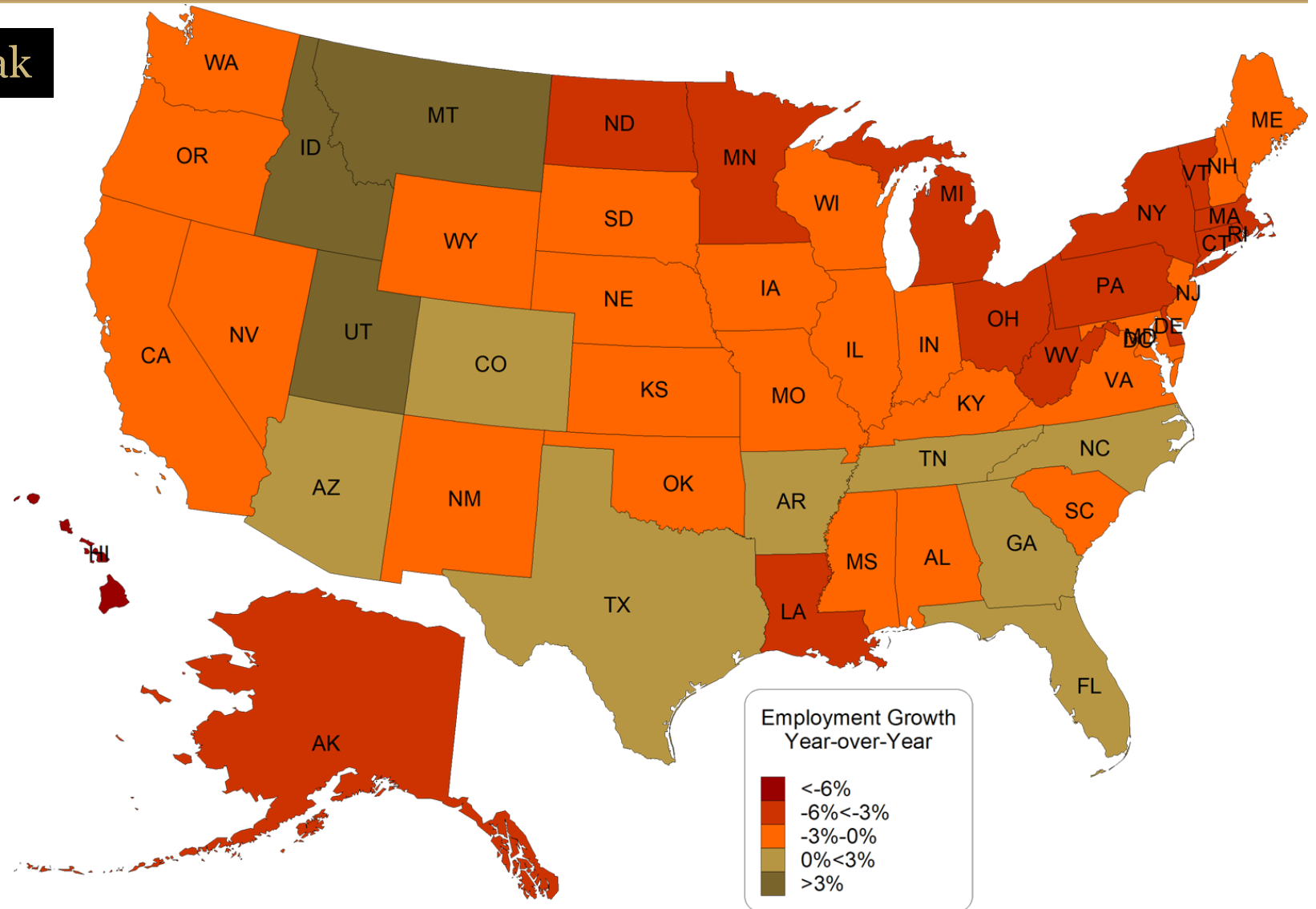
Employment Growth

1-Year Growth February 2022



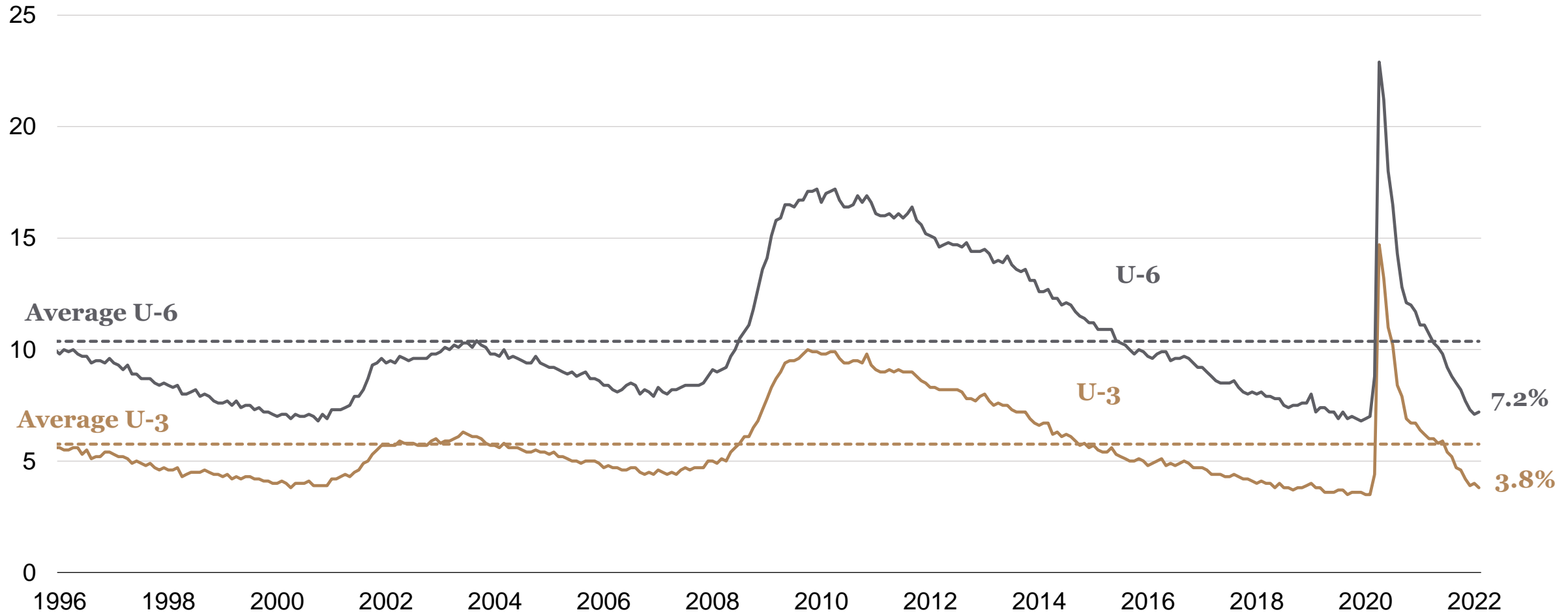
Employment Recovery

Change from Prerecession Peak

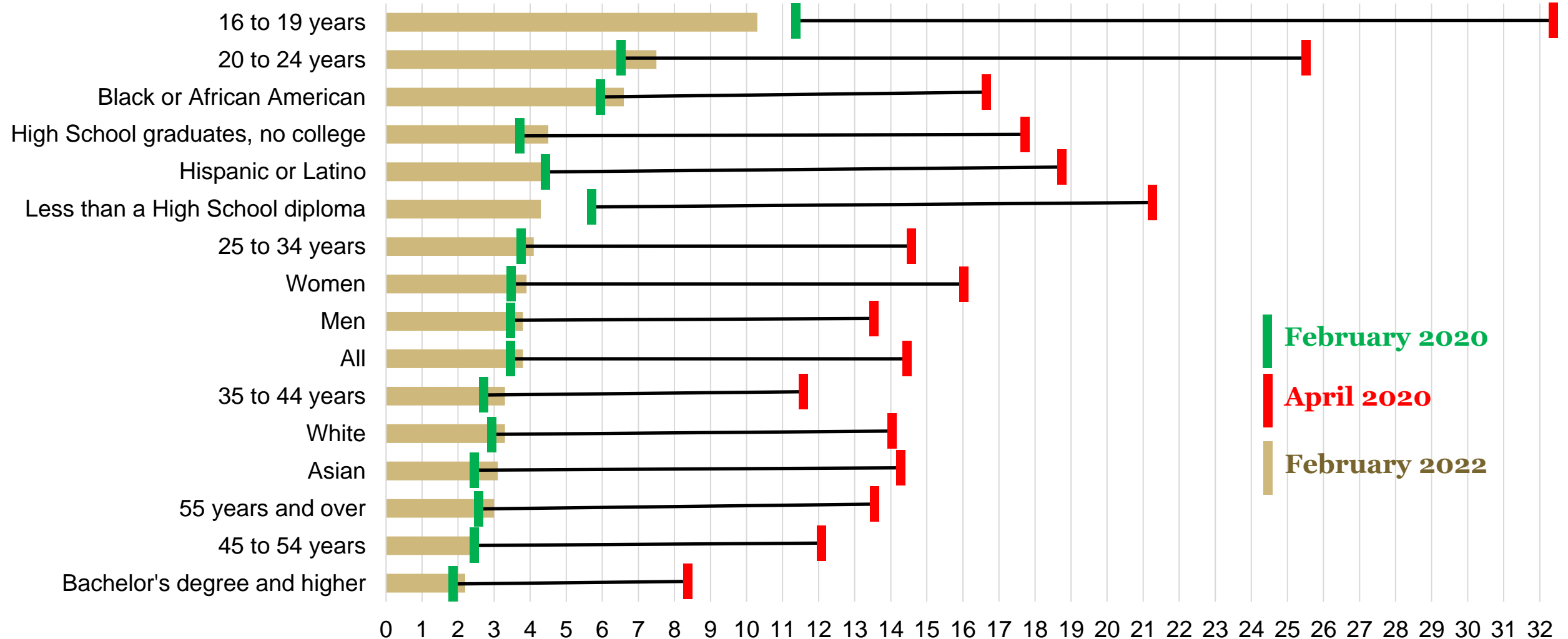


National Unemployment

U.S. Unemployment Rate, Monthly

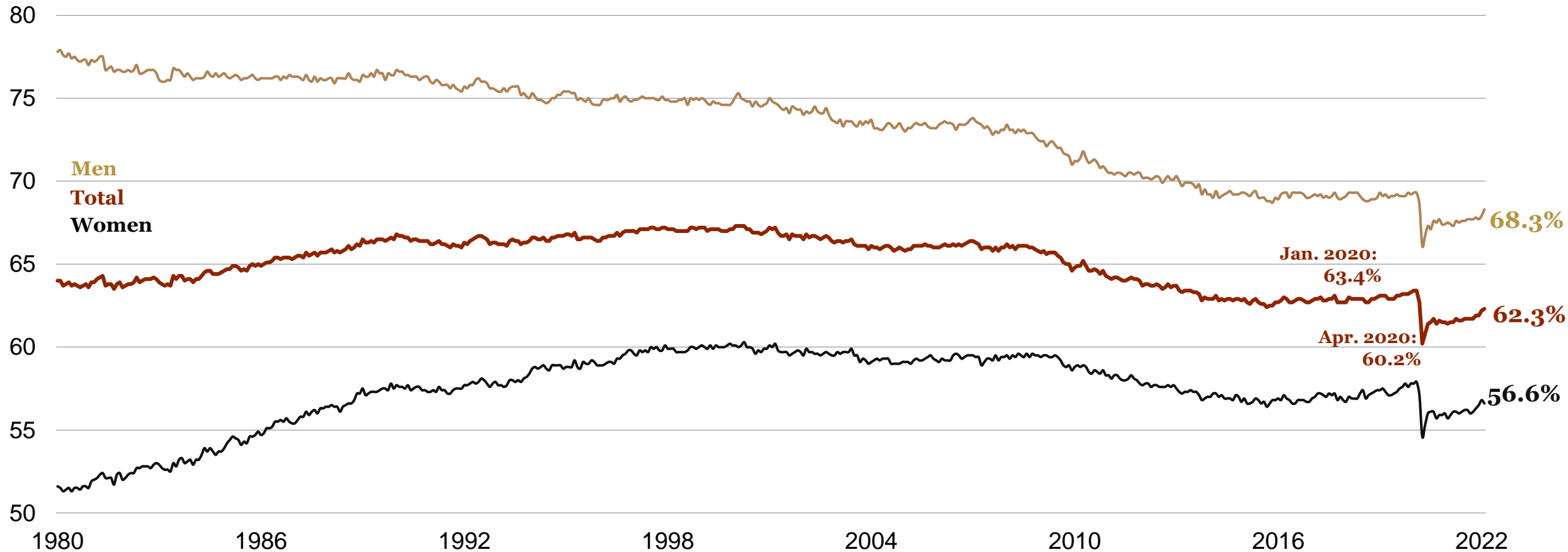


National Unemployment Rate



Labor Force Participation Rate

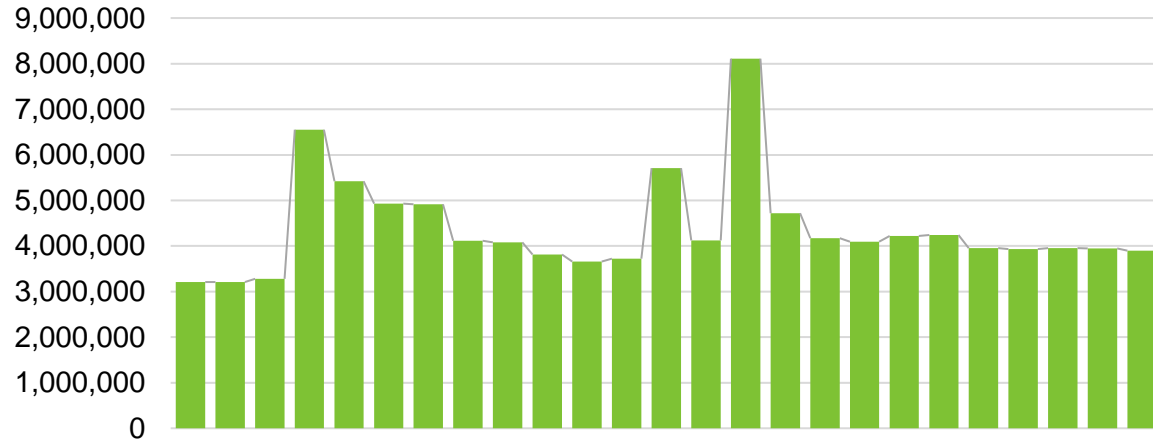
Percent of Population, 16 and Over



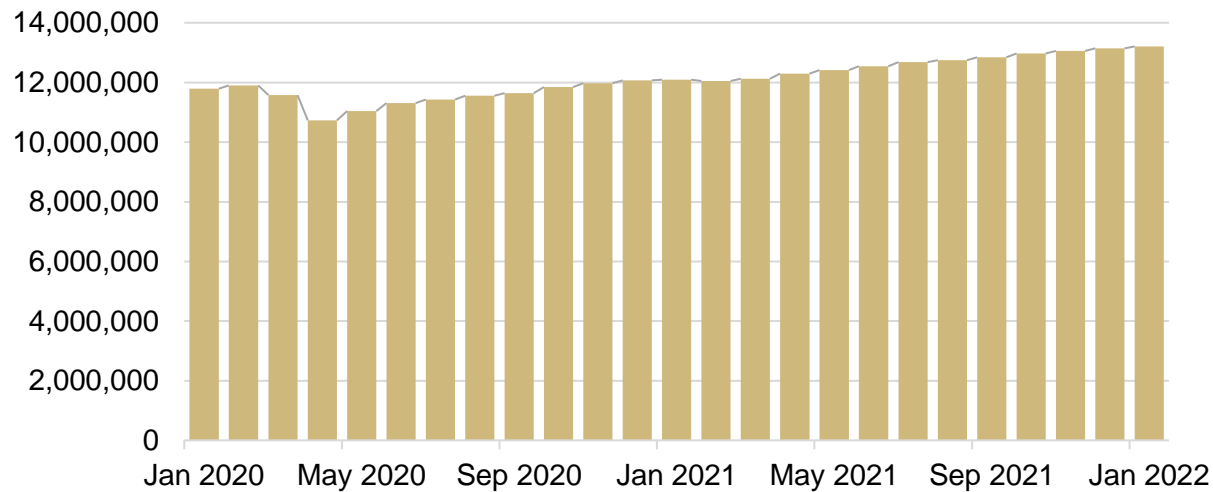
National Personal Income

U.S. Personal Income, Monthly, \$ Millions, Seasonally Adjusted Annual Rate

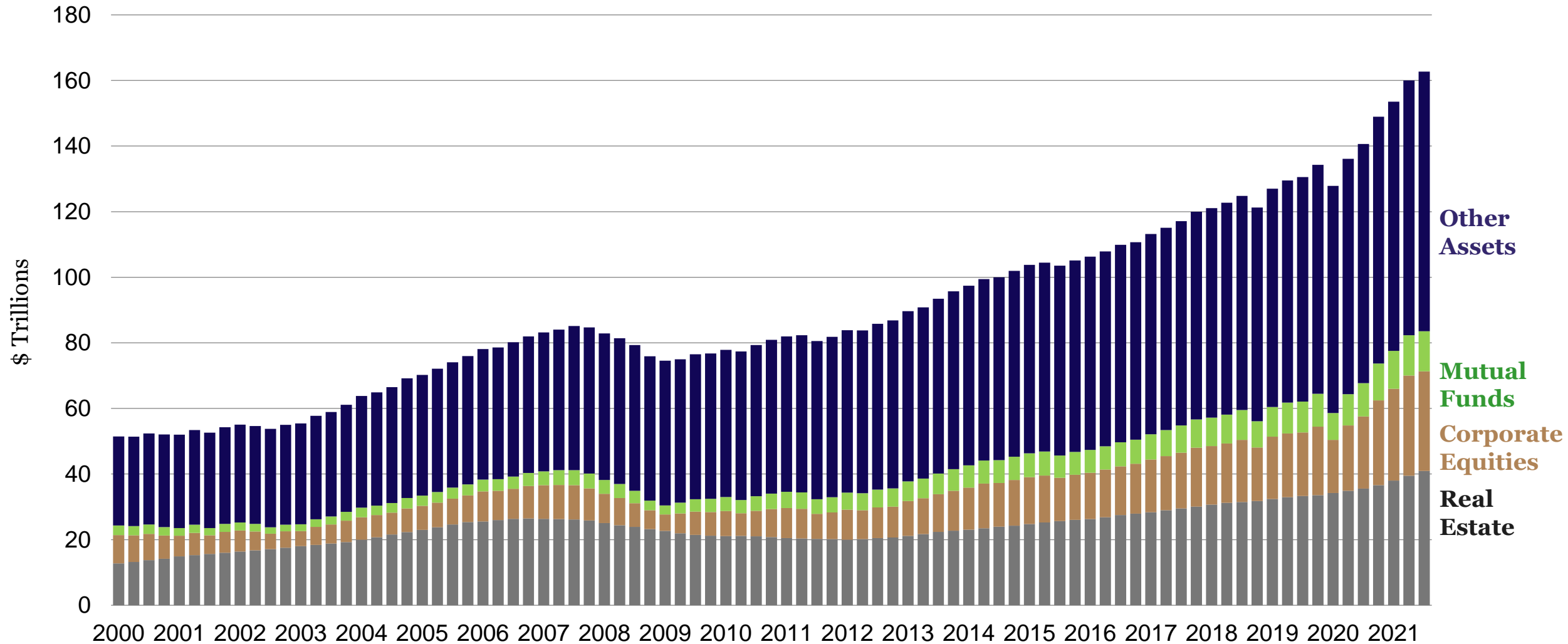
Transfer Receipts



Employee Compensation

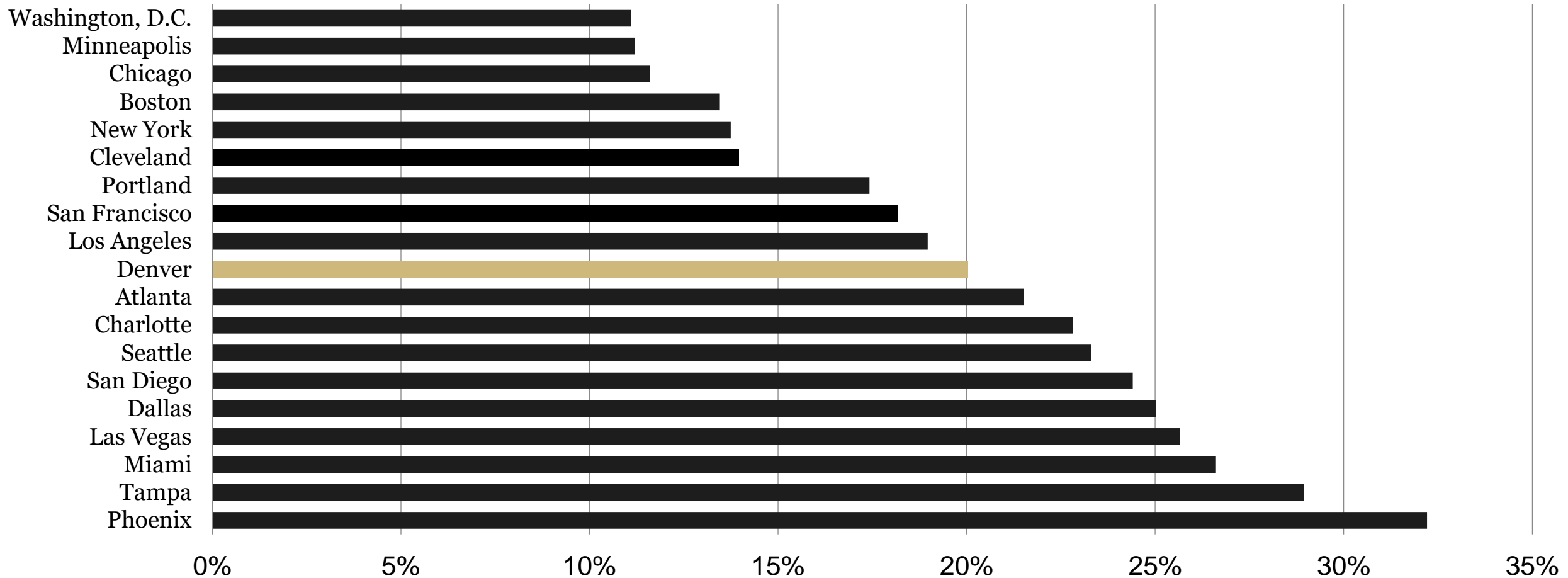


Household Wealth



S&P/Case-Shiller Home Price Indices

1-year Home Price Change, November 2021

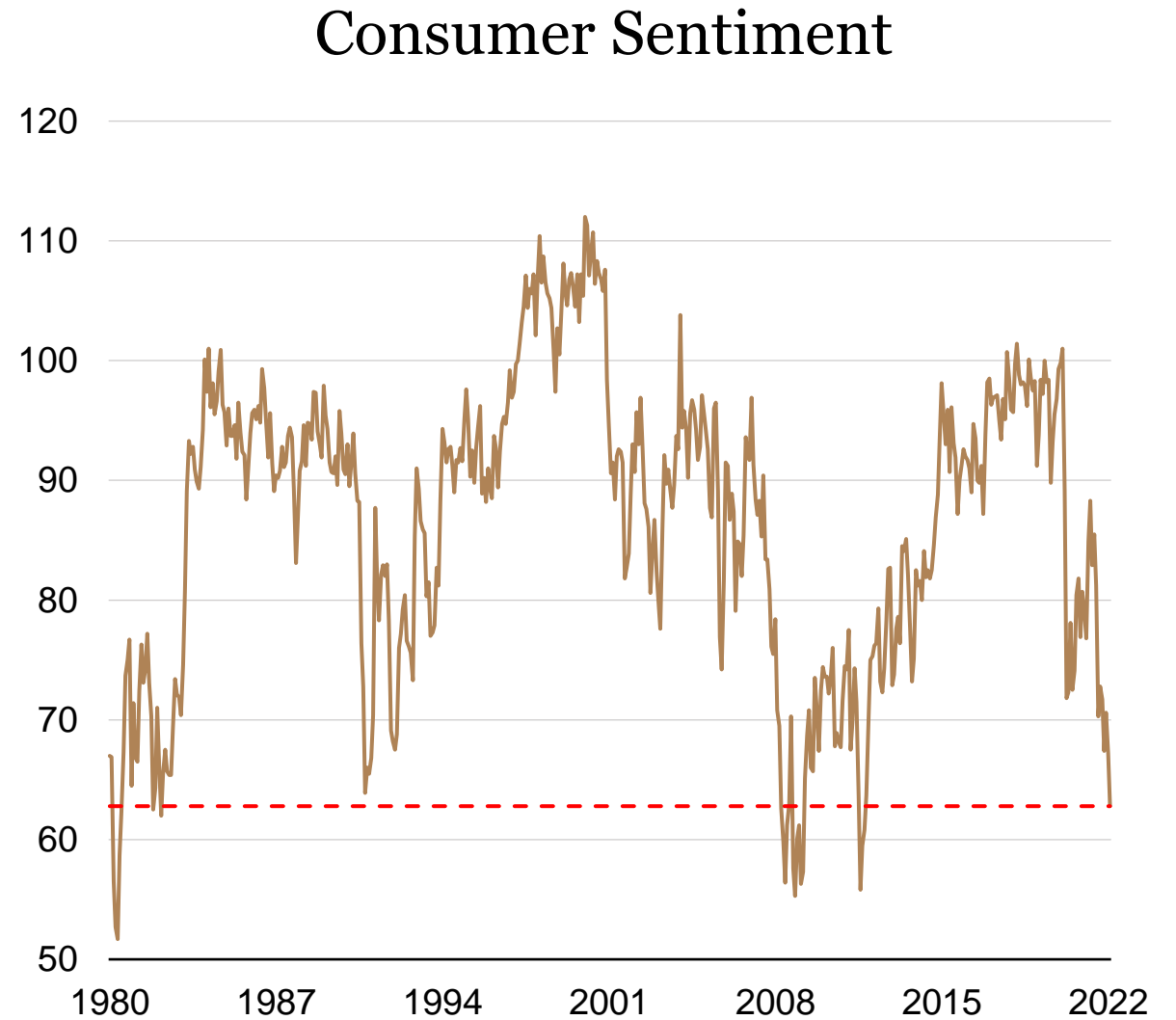
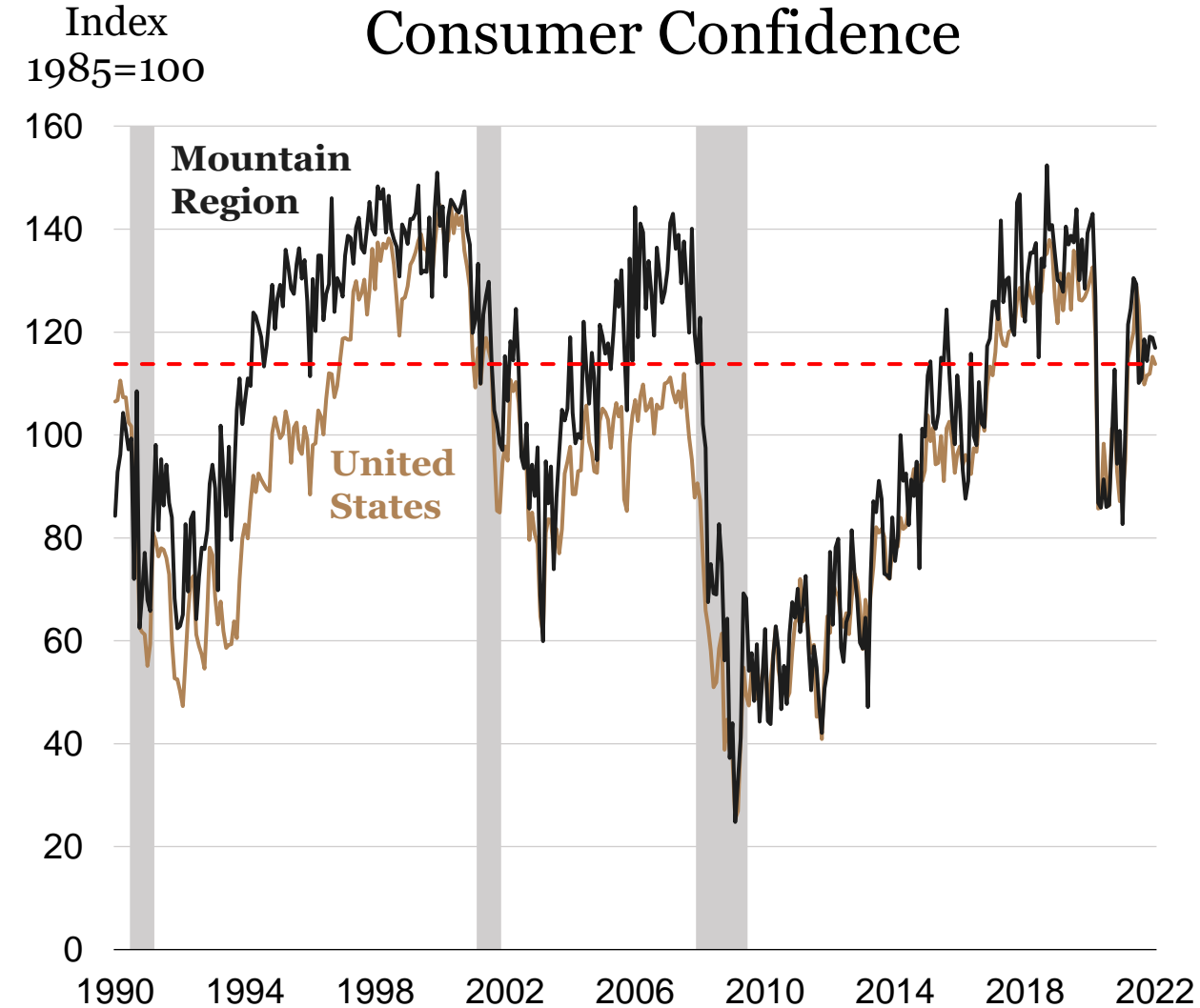


Household Debt Burden

Percent of Disposable Income

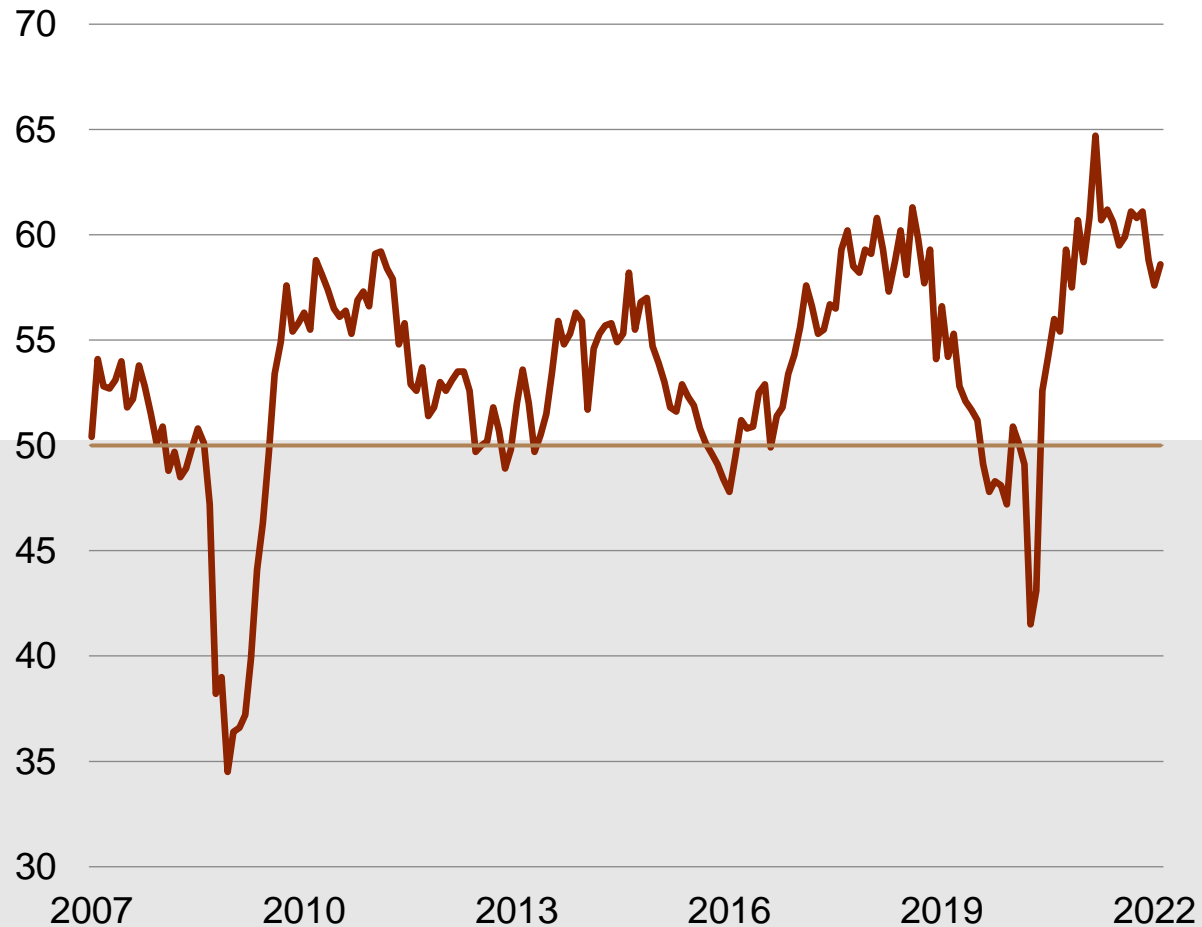


Index of Consumer Confidence

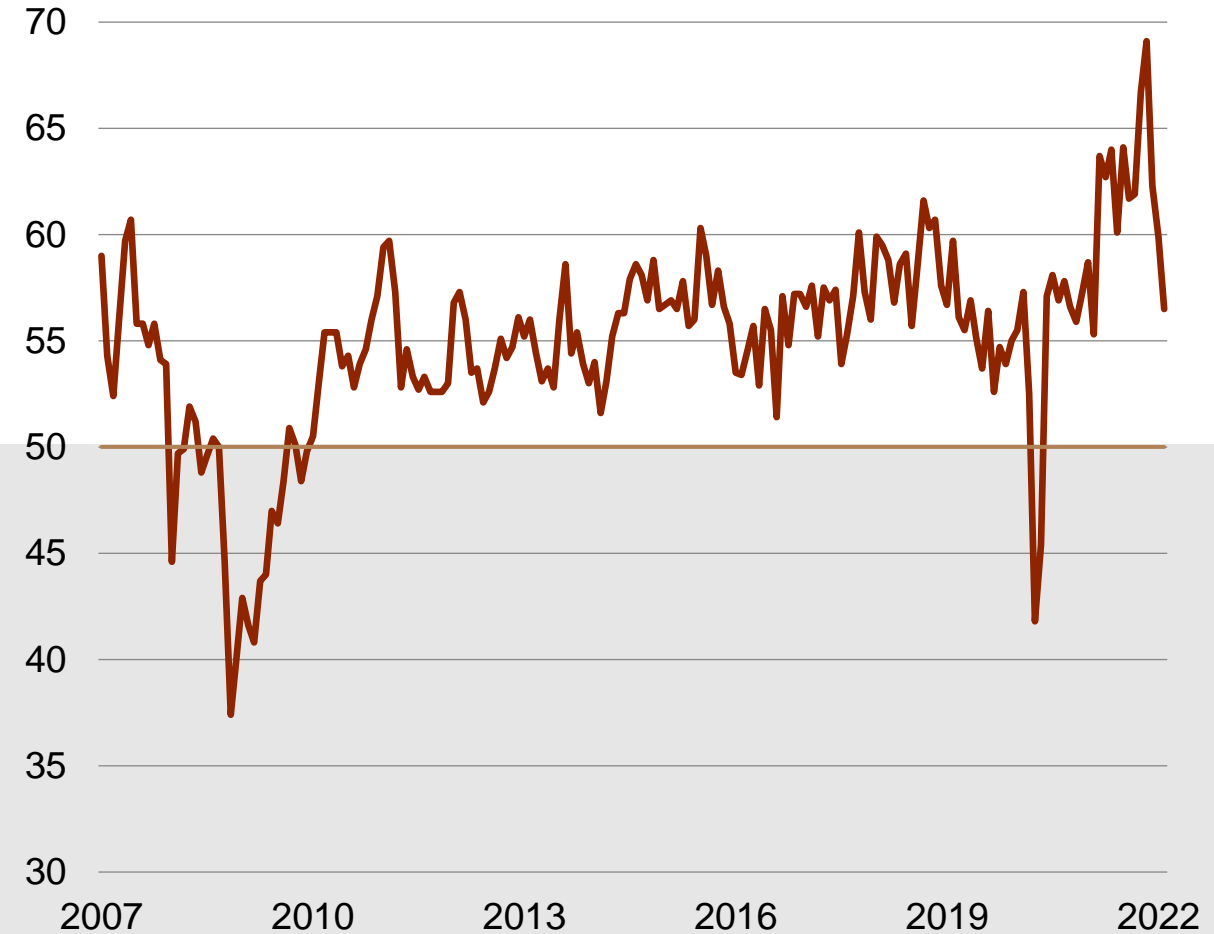


ISM Indices

ISM Manufacturing PMI® Index

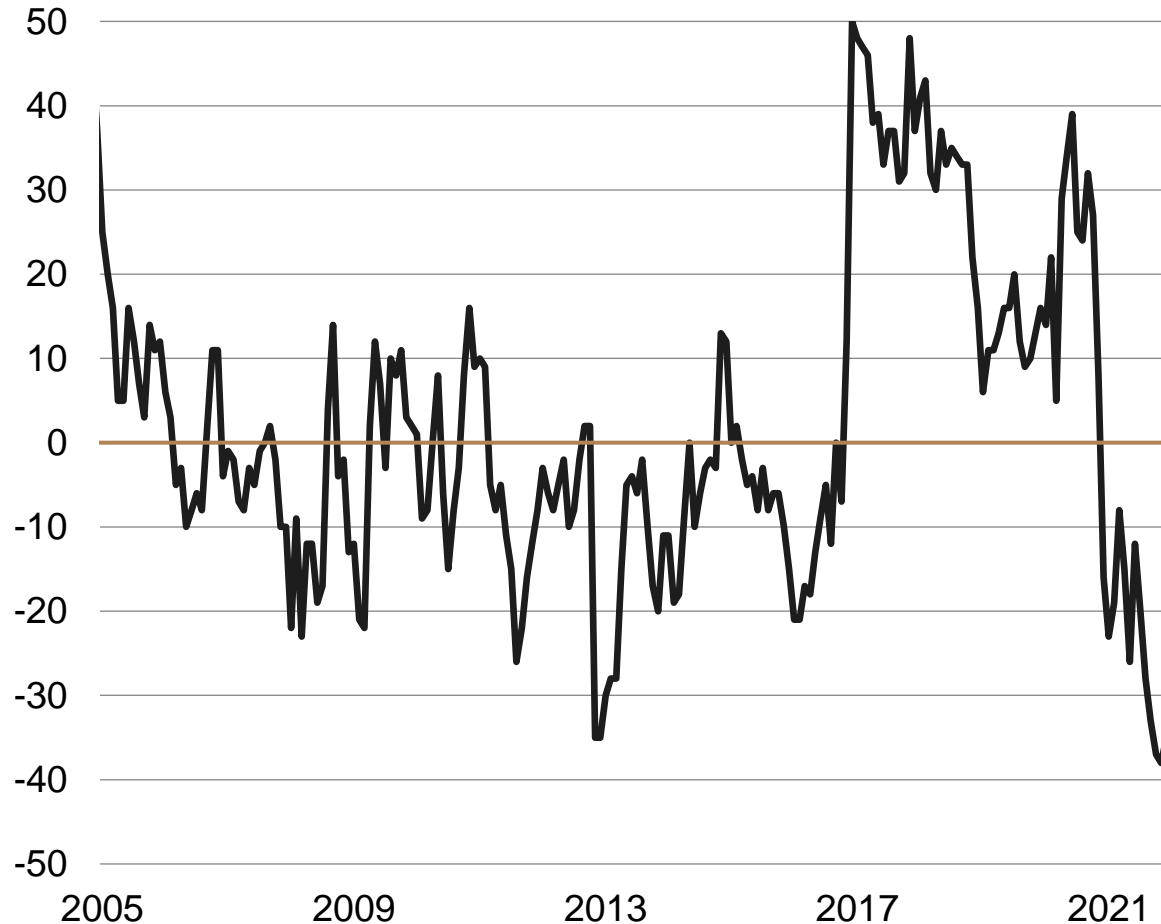


ISM Services PMI® Index



Small Business Outlook

Business Conditions

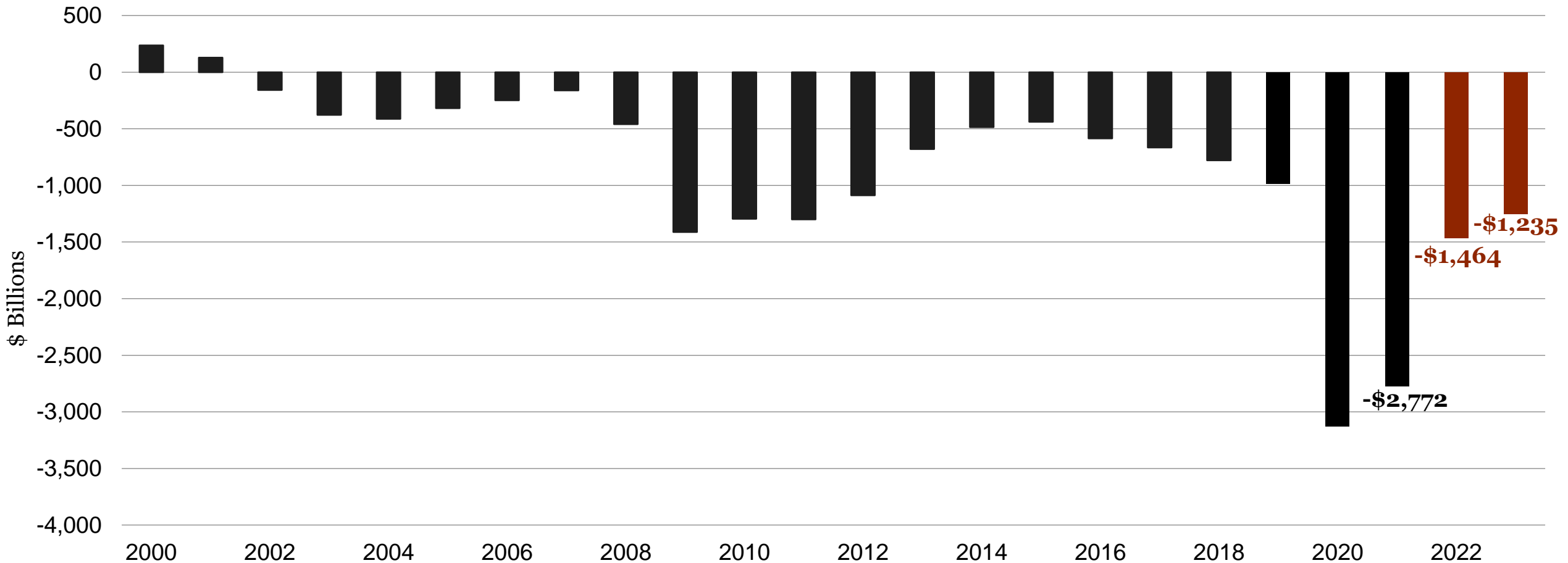


Optimism Index



Federal Budget Balance

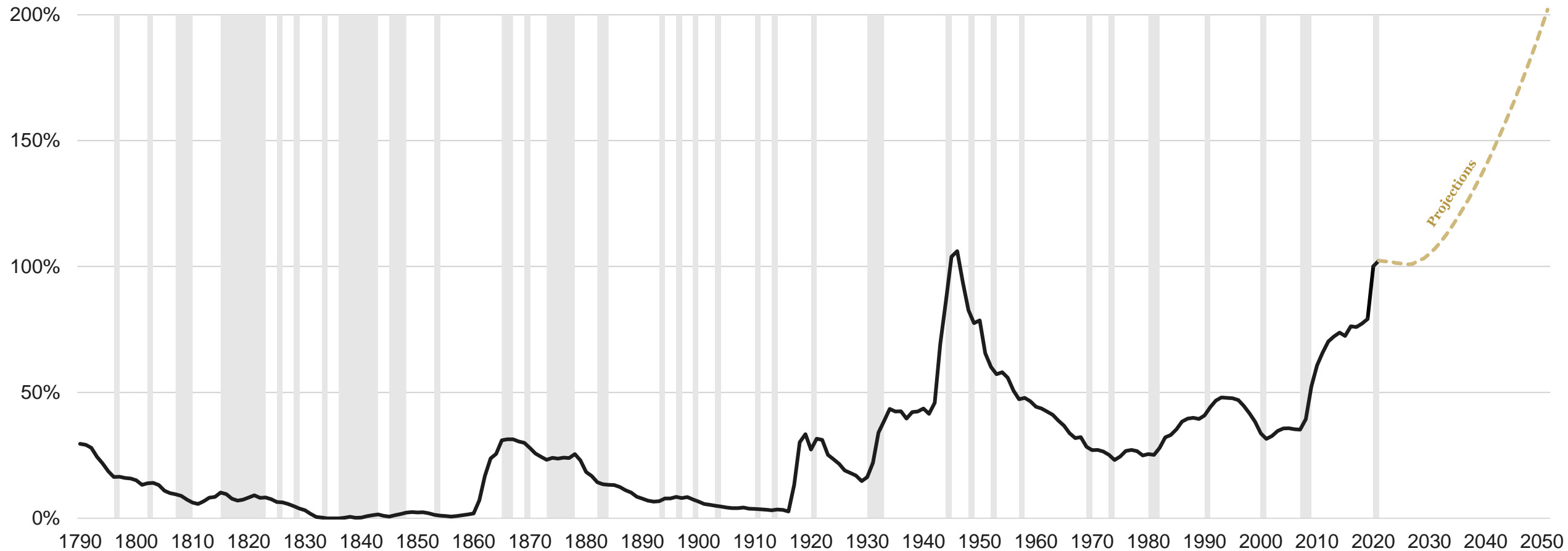
2000 to 2022



U.S. Federal Debt as a Percentage of GDP

1790 – 2050

■ Recessions



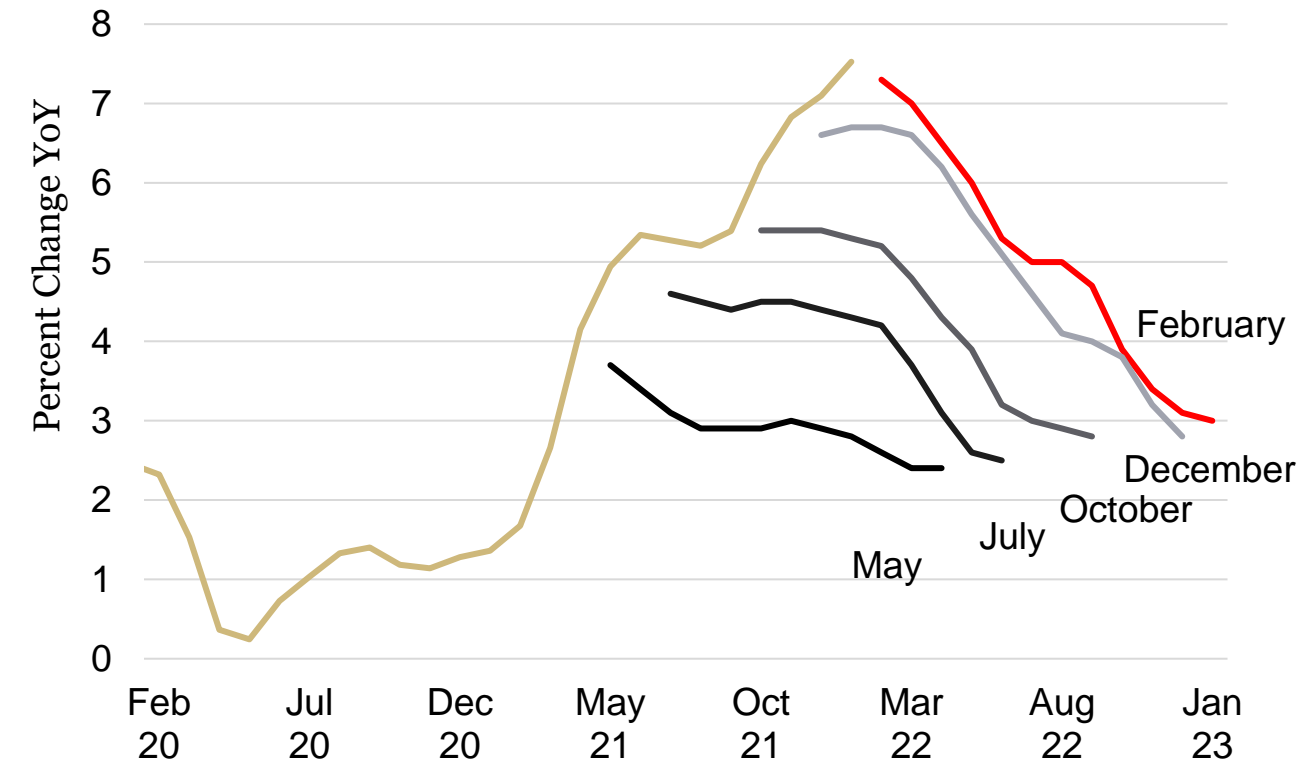
Money and Prices



Inflation

Consumer Price Index, Percent Change Year-Over-Year

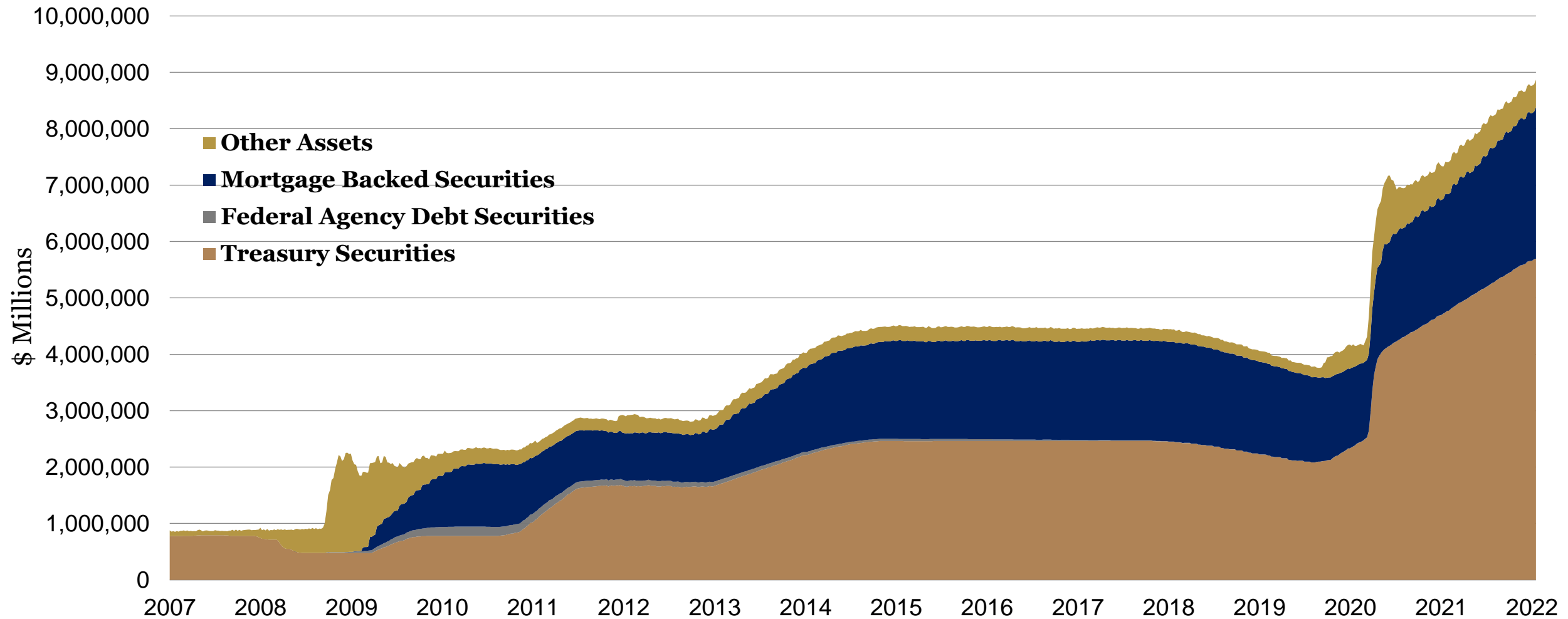
National CPI: All Items



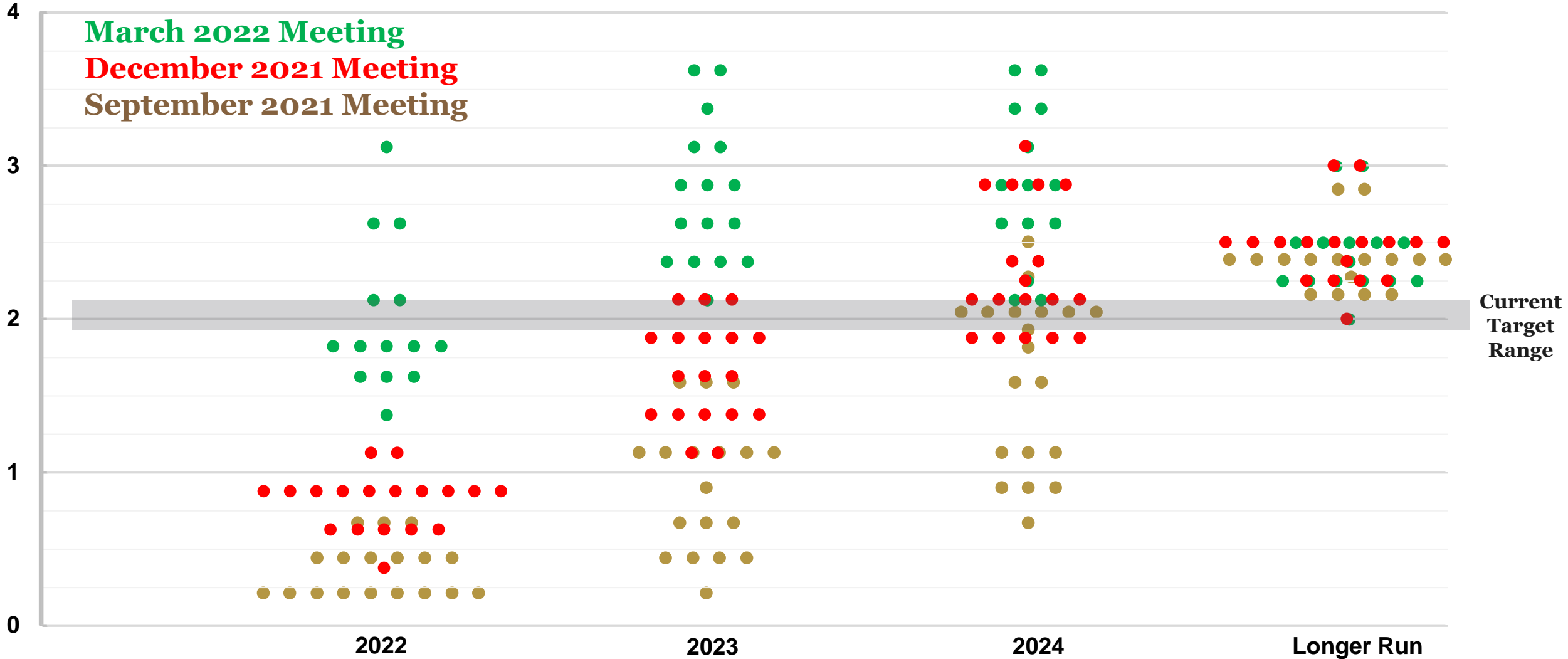
Items	US	Denver-Aurora-Lakewood	Item Weights
All items	7.5%	7.9%	100.0%
Food and beverages	6.7%	7.0%	14.3%
Housing	5.7%	5.1%	42.4%
Apparel	5.3%	9.7%	2.5%
Transportation	20.8%	21.1%	18.2%
Medical care	2.5%	12.1%	8.5%
Recreation	4.7%	6.0%	5.1%
Education and comm	1.6%	-2.2%	6.4%
Other goods and services	4.9%	8.6%	2.7%

Source: Bureau of Labor Statistics, CPI for All Urban Consumers (CPI-U).

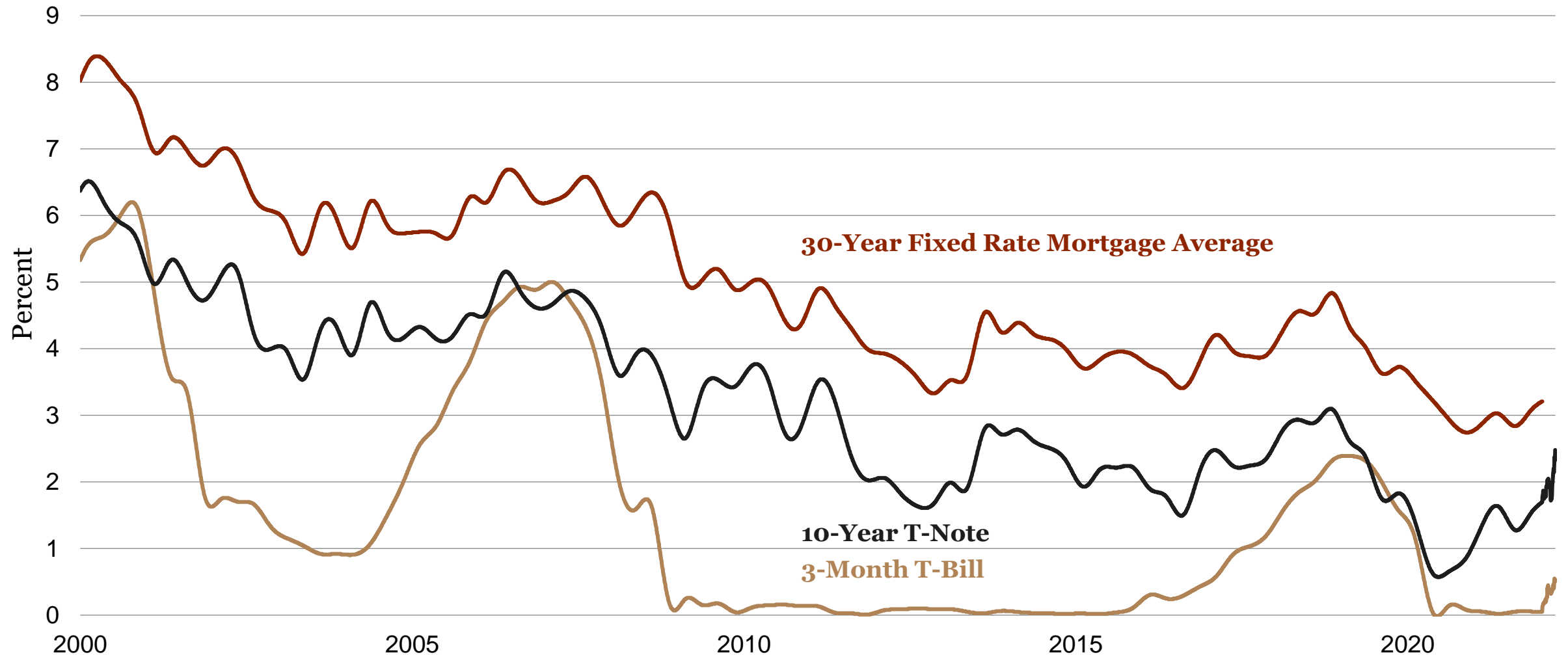
The FED



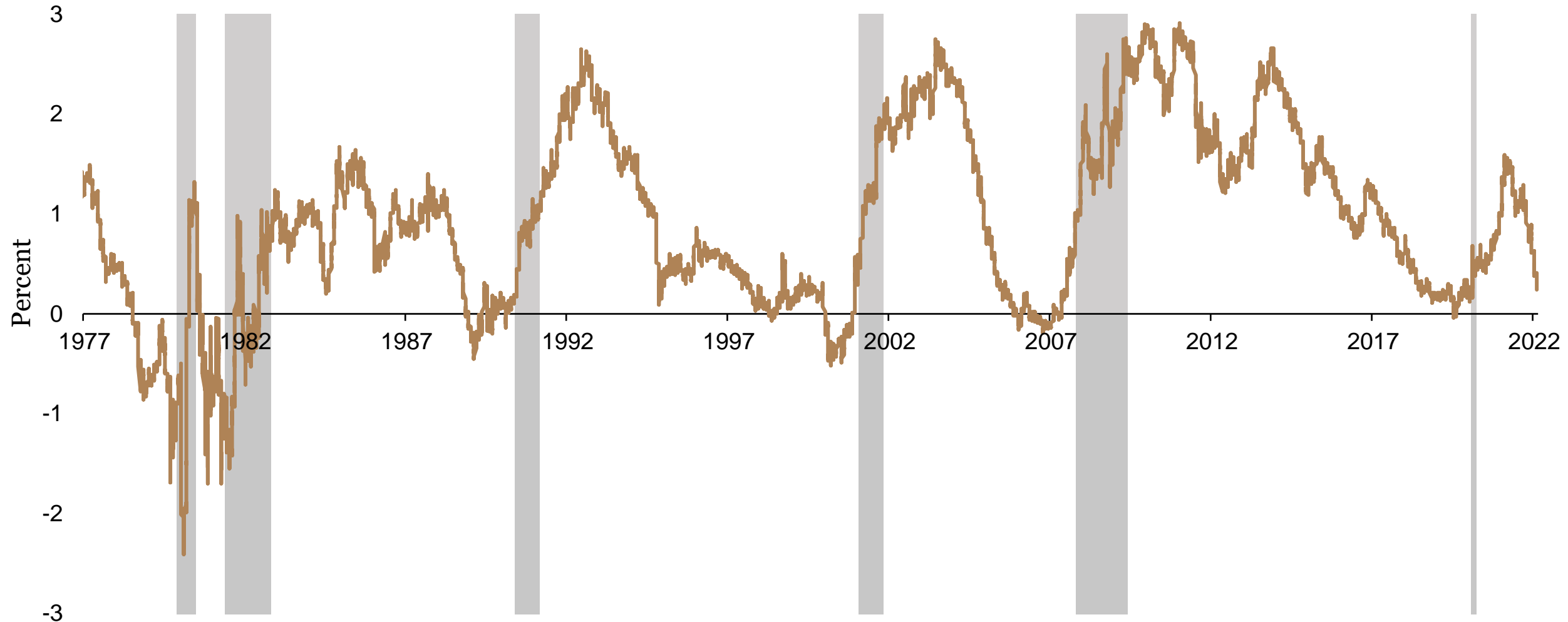
Federal Funds Rate Outlook



Interest Rates

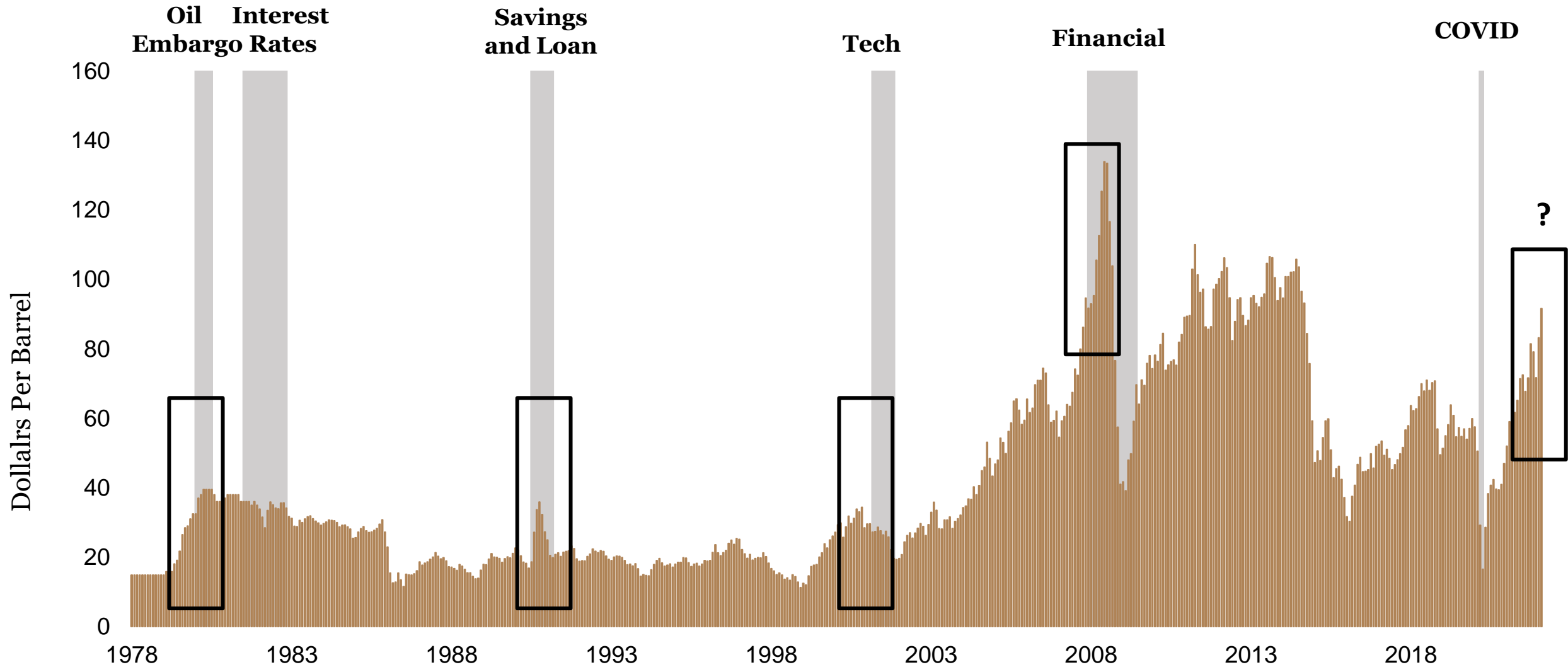


10-Year Treasury Minus 2-Year Treasury



Sources: Federal Reserve Bank of St. Louis and the National Bureau of Economic Research.

Oil Prices



Sources: Energy Information Administration (WTI) and the Federal Reserve Bank of St. Louis..

Colorado Population, Employment, and the Economy

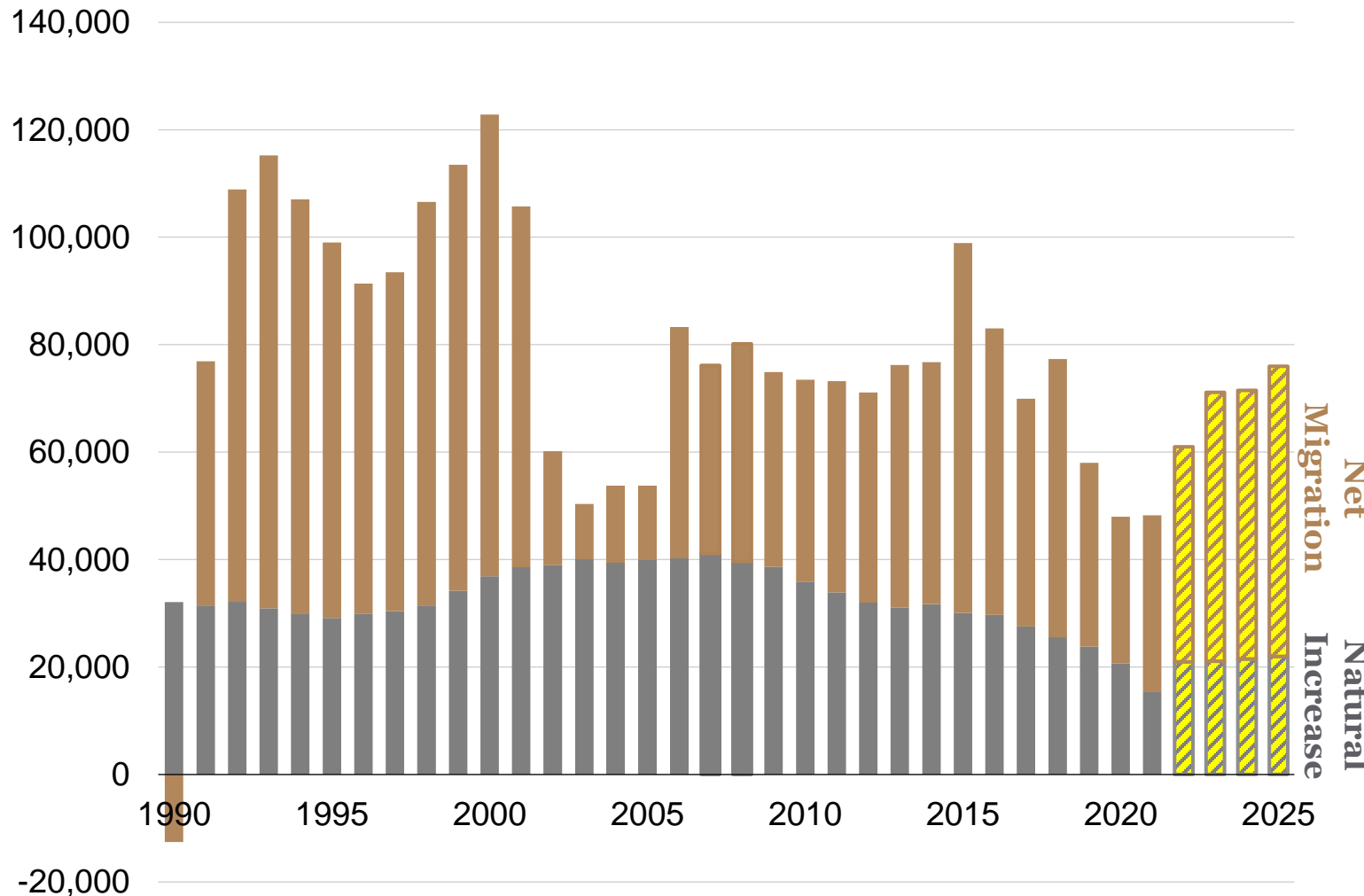


Colorado Rank Among Other States

Metric	1-Year	3-Year	5-Year	10-Year
Real GDP Growth	9	7	6	5
Employment Growth	12	11	8	6
Population Growth	12	9	9	7
Personal Income Growth	7	16	5	4
PCPI Growth	7	16	3	5
PCPI	8	11	12	21
Average Hourly Wage % Growth	13	37	21	22
Average Annual Pay % Growth	27	10	10	10
Average Annual Pay	8	9	11	12
Unemployment Rate	28	10	5	28
Labor Force % Growth	5	6	4	3
LFPR	3	4	6	11
FHFA Home Price Index Growth	20	16	13	8

Data Sources: Bureau of Economic Analysis (2021), Bureau of Labor Statistics (2/22), U.S. Census Bureau (2020), Bureau of Labor Statistics (2022), Federal Housing Finance Agency All Transactions Index (Q4 2021), BRD calculations. *Unemployment rate for the last month.

Colorado Change in Population



Colorado's population changes:

- **48k in 2020**
- **48k in 2021**
- **61k in 2022**

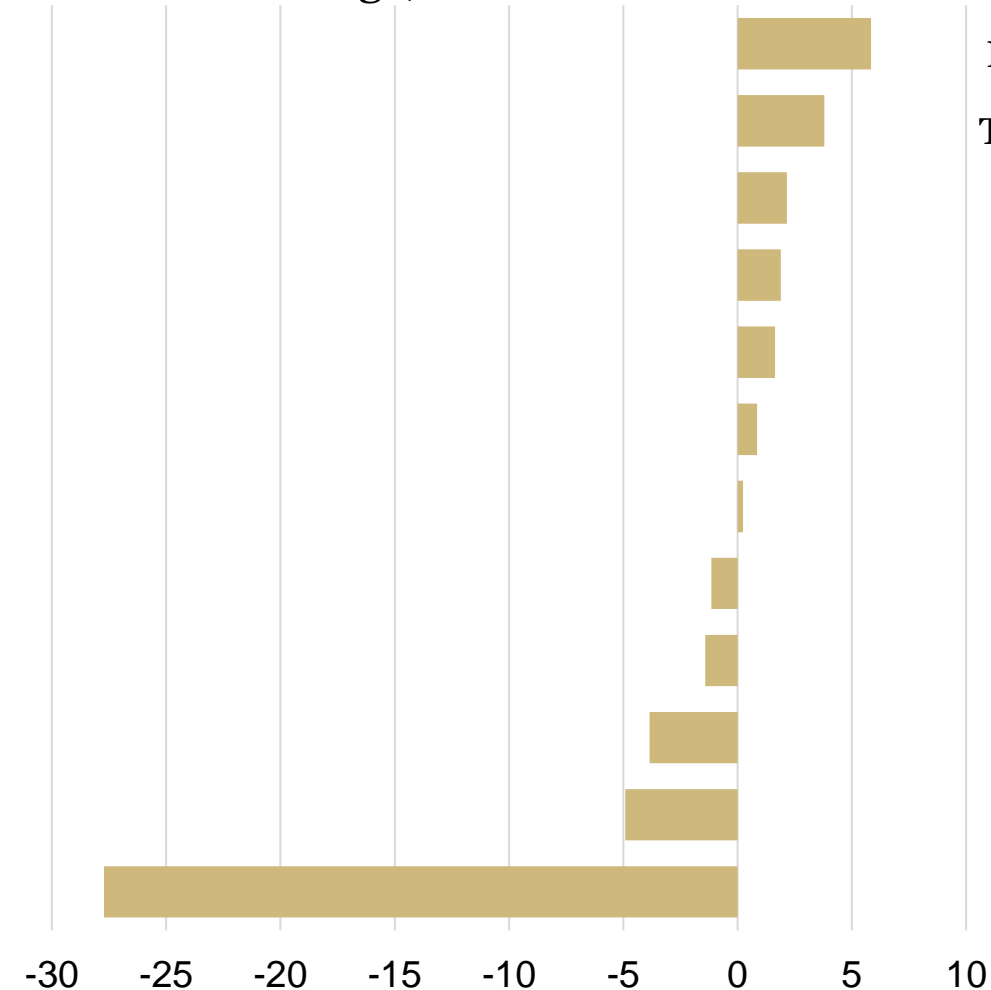
COVID impact on migration

Slowest population growth
since 1990

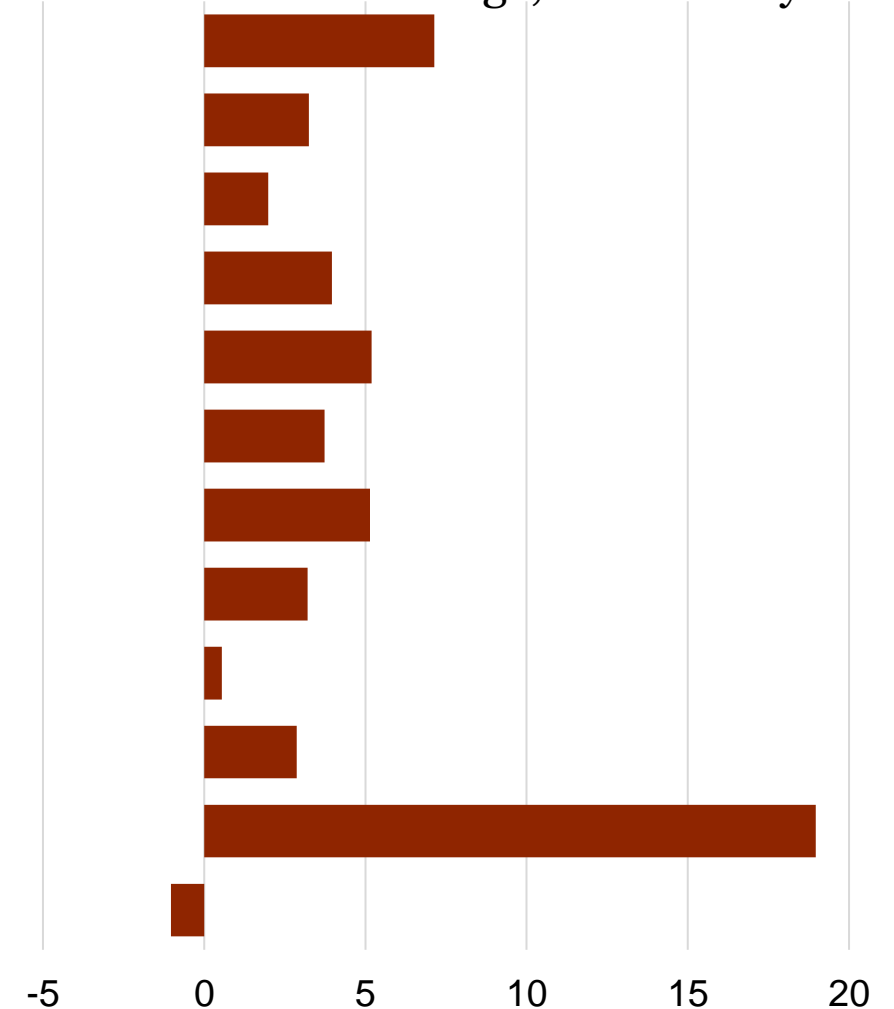
Slowest net migration
since 2005

Colorado Employment Change

Pct. Change, Jan. 2020-Jan. 2022



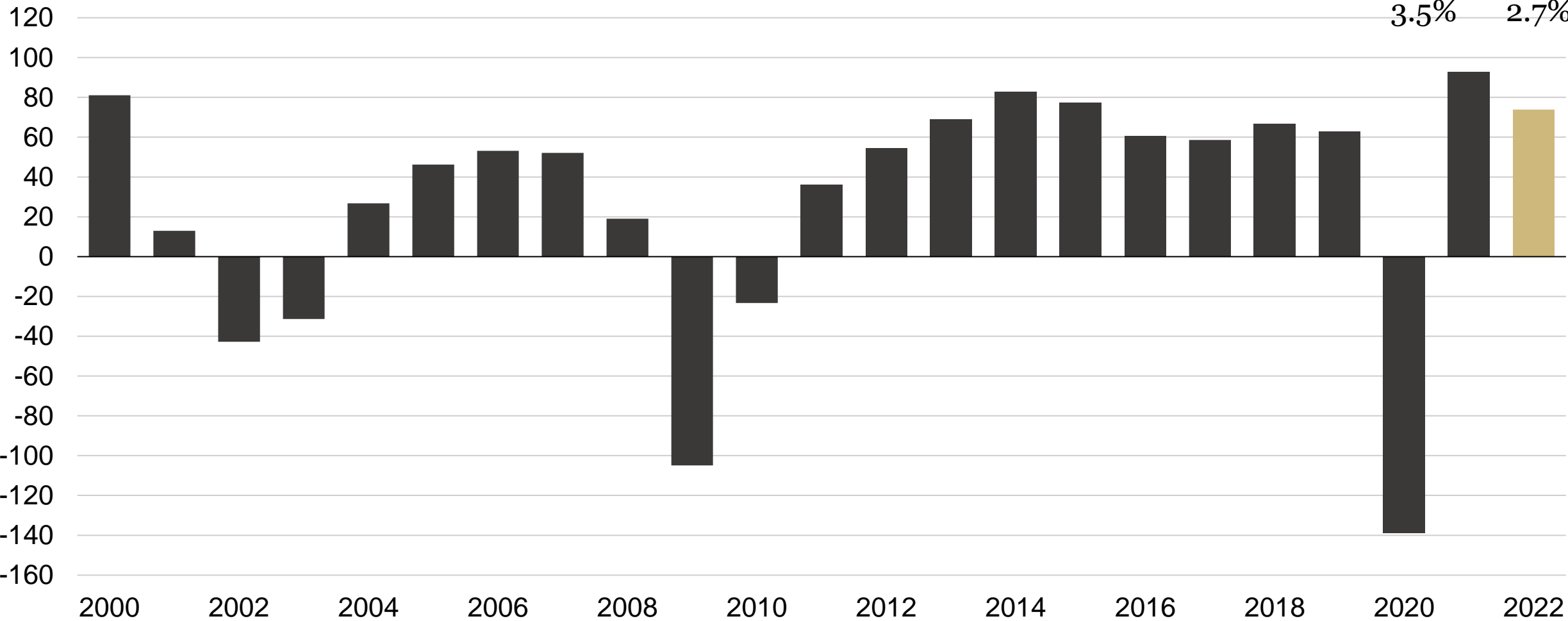
Pct. Change, Year-over-year



Colorado Employment Growth

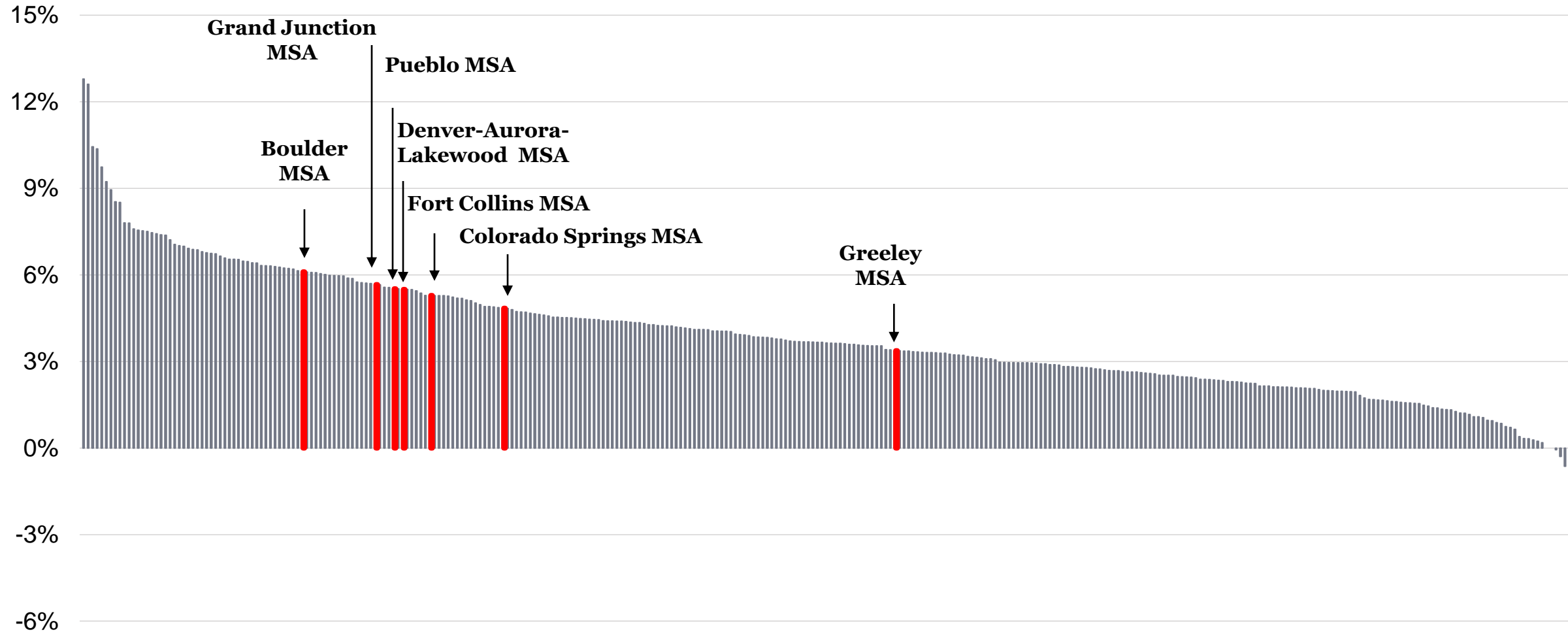
Jobs Added, Thousands, 2000-2022

2021	2022
92,900	73,900
3.5%	2.7%



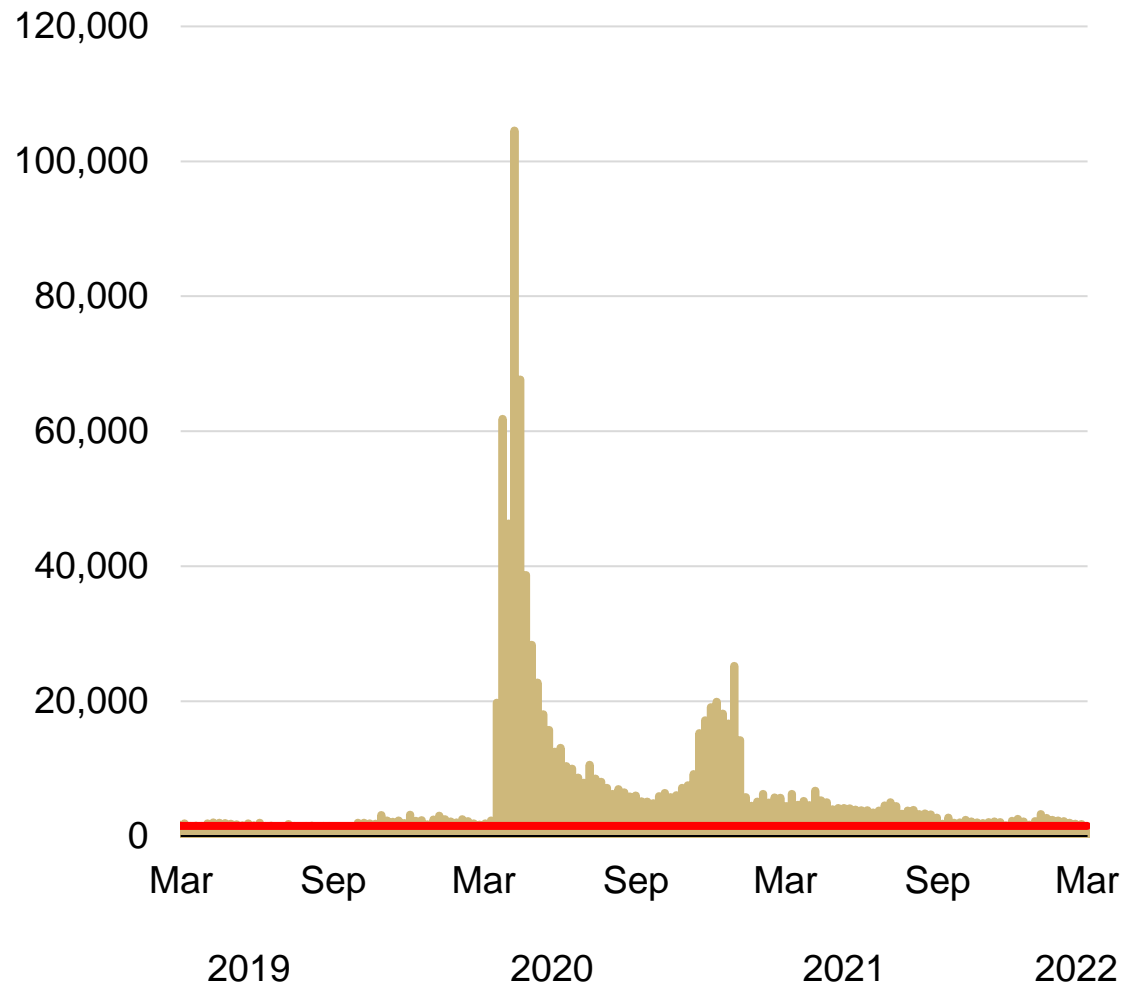
Employment by MSA, February 2022

Percent Change, Year-over-Year

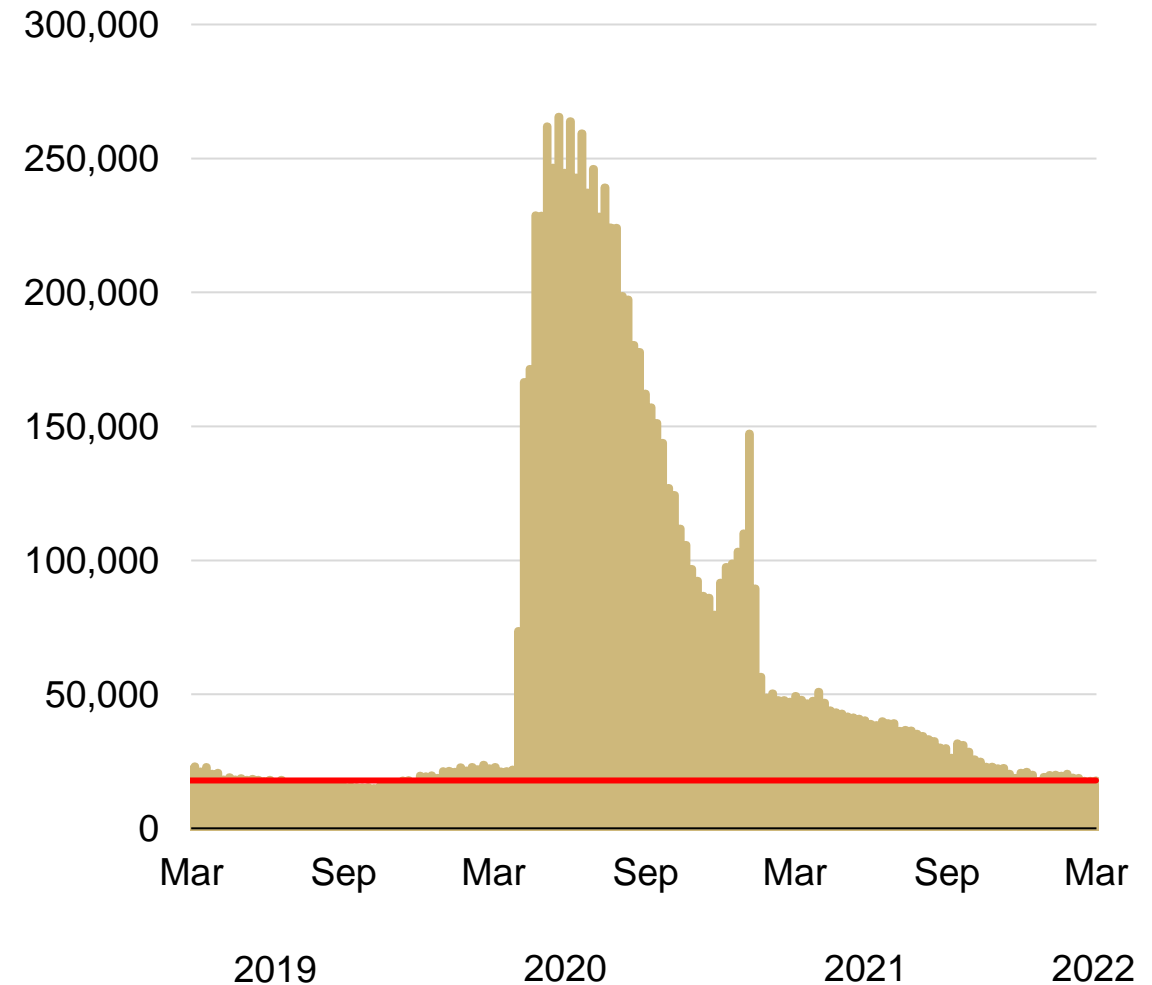


Jobless Claims in Colorado

Initial Jobless Claims, Weekly

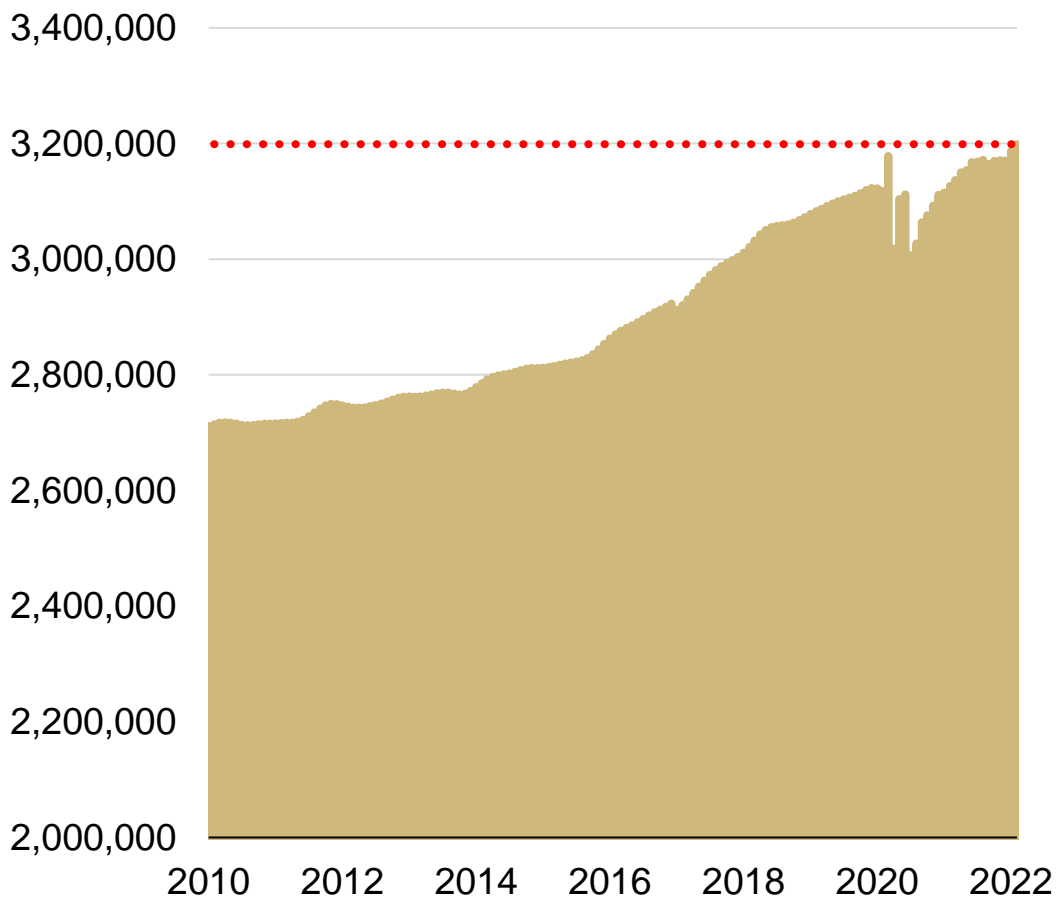


Continued Jobless Claims, Weekly

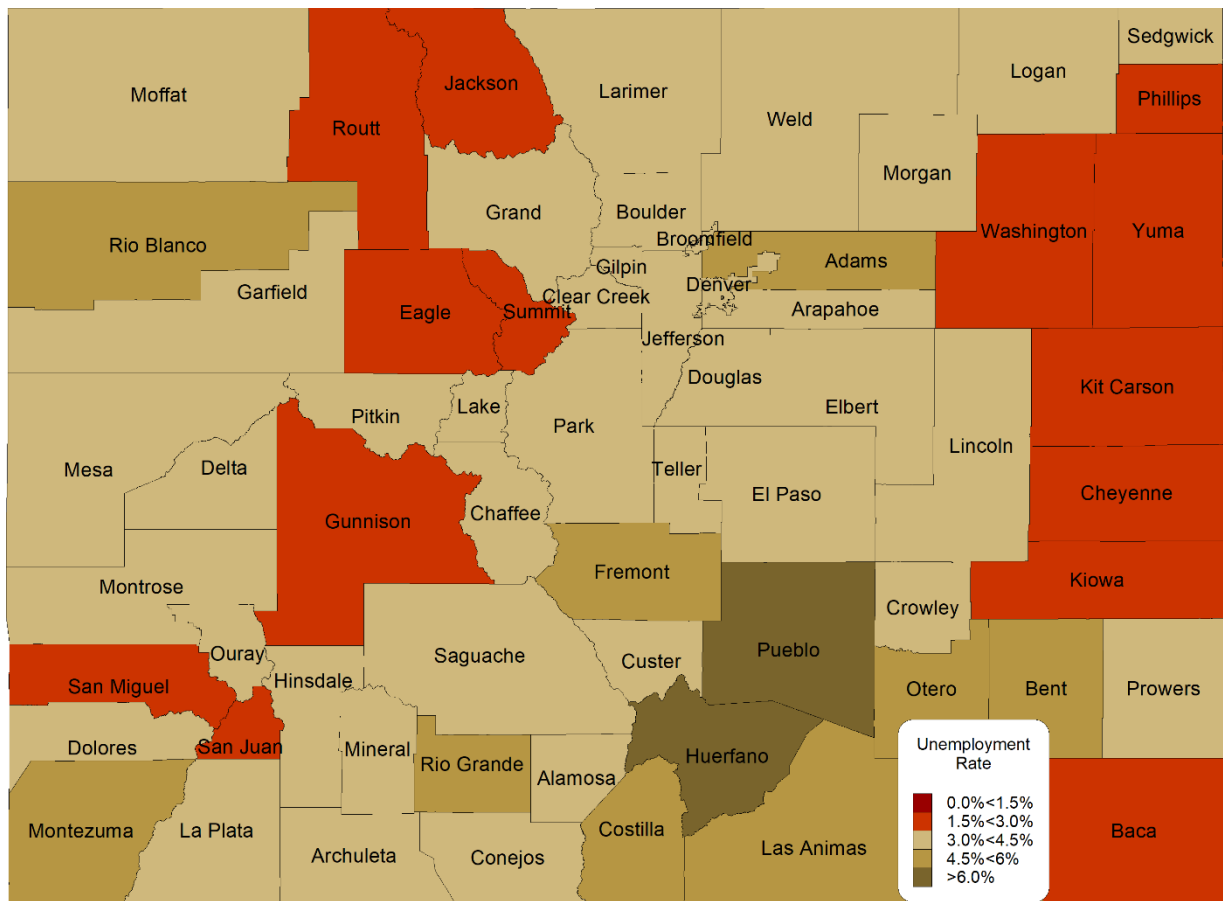


Labor Force and Unemployment, February 2022

Labor Force

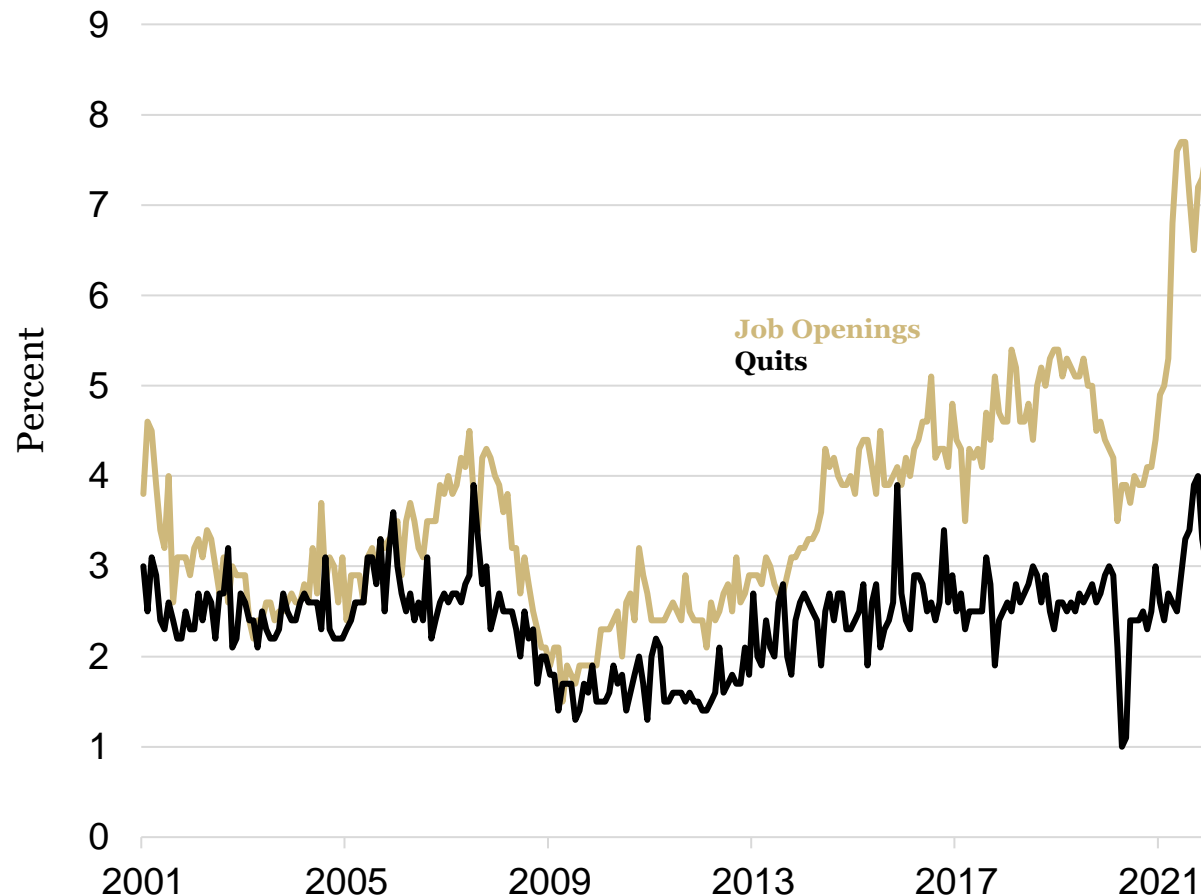


Unemployment Rate

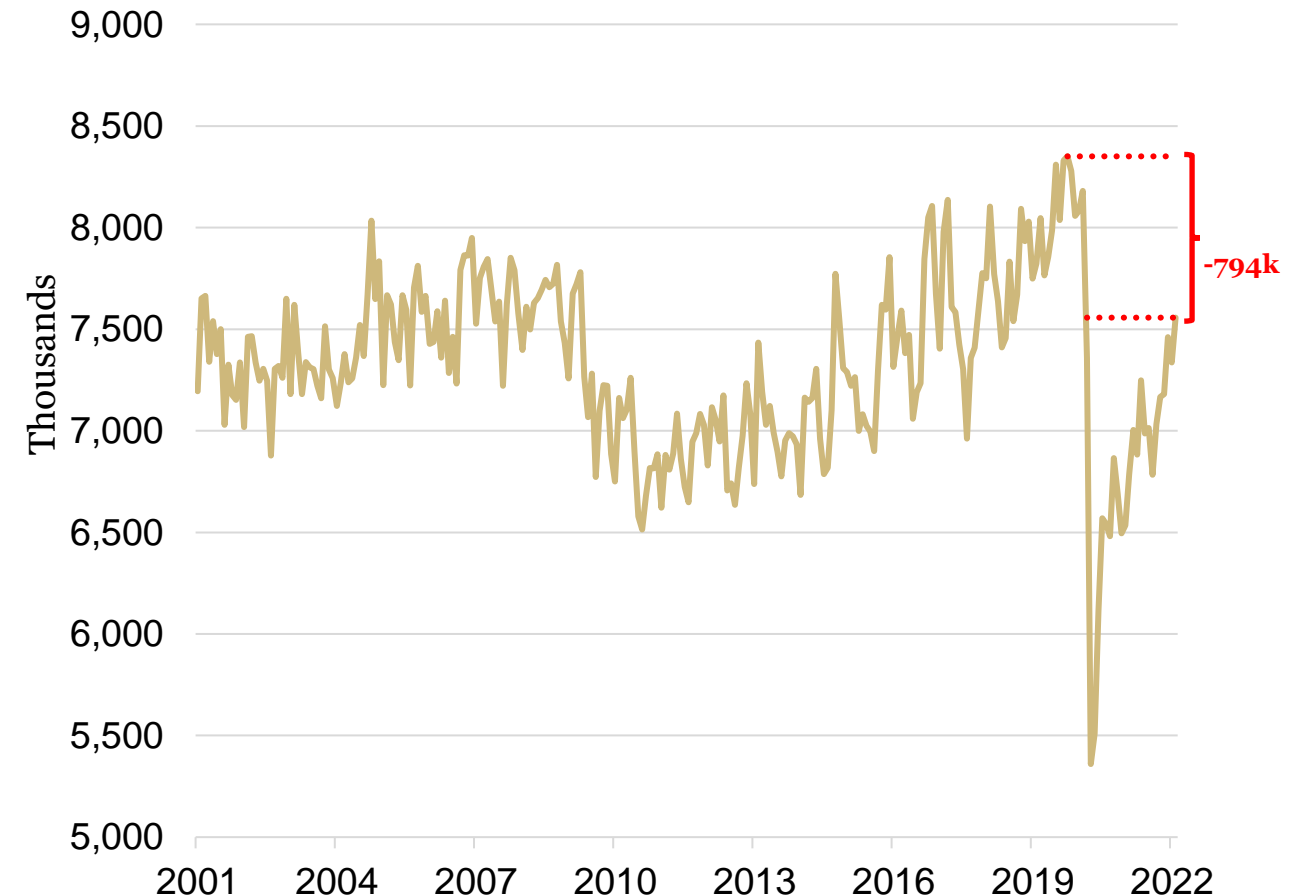


Labor Shortage

Colorado Job Openings and Quits

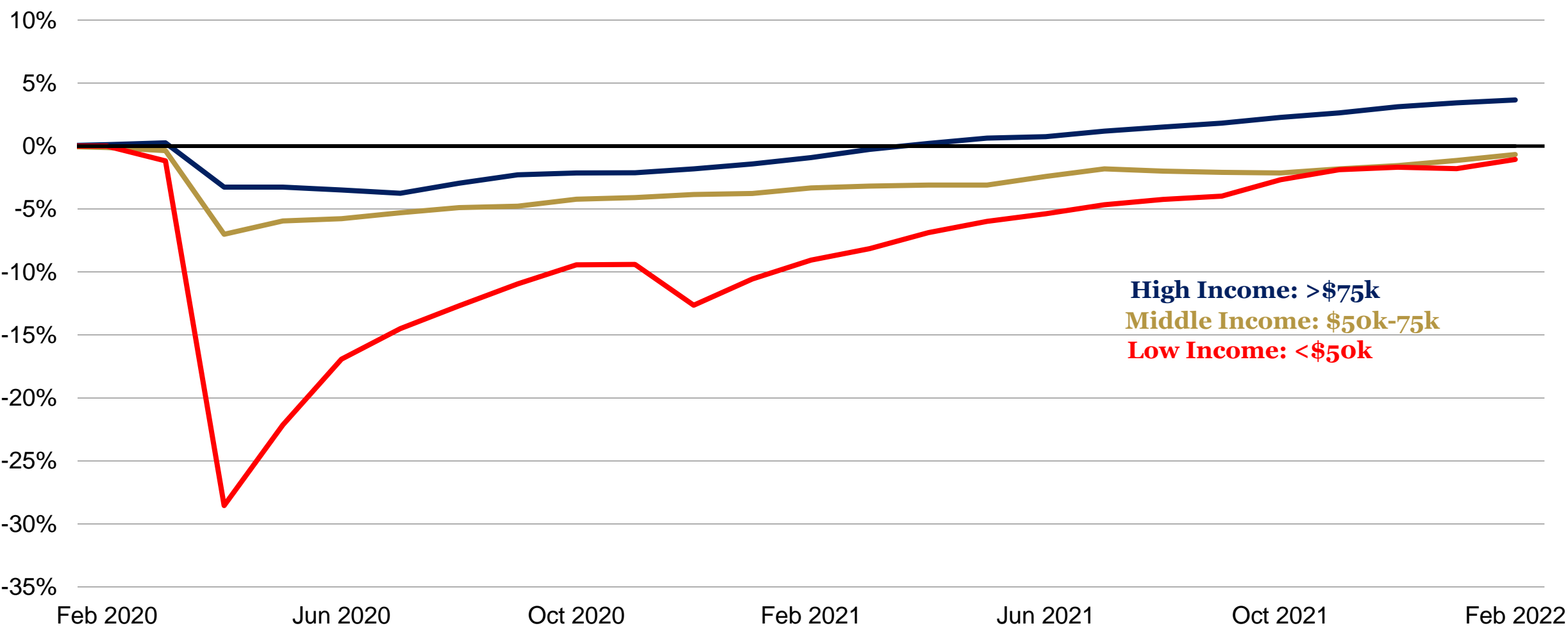


National Multiple Jobholders



Colorado Employment by Wage Group

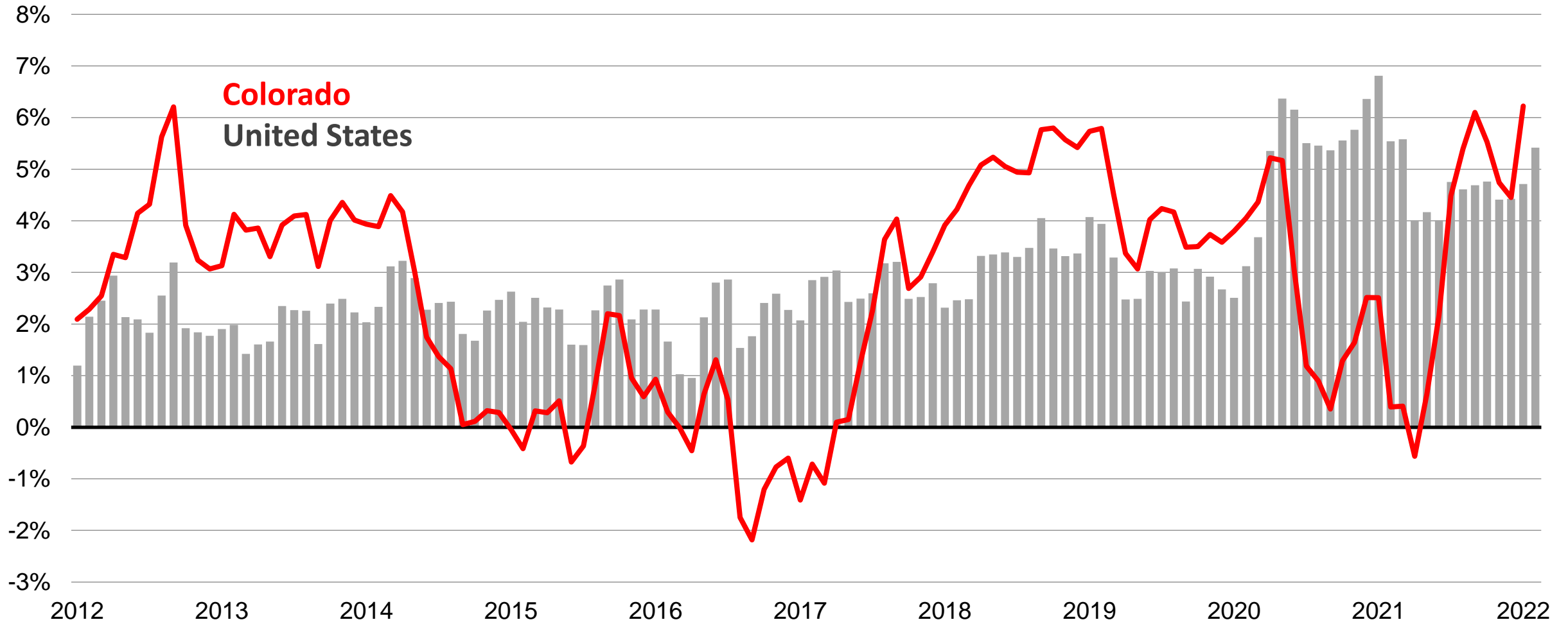
Percent Change from January 2020



High Income: >\$75k
Middle Income: \$50k-75k
Low Income: <\$50k

Average Weekly Wage Growth

Year-over-Year Changes (3-Mo. Average)

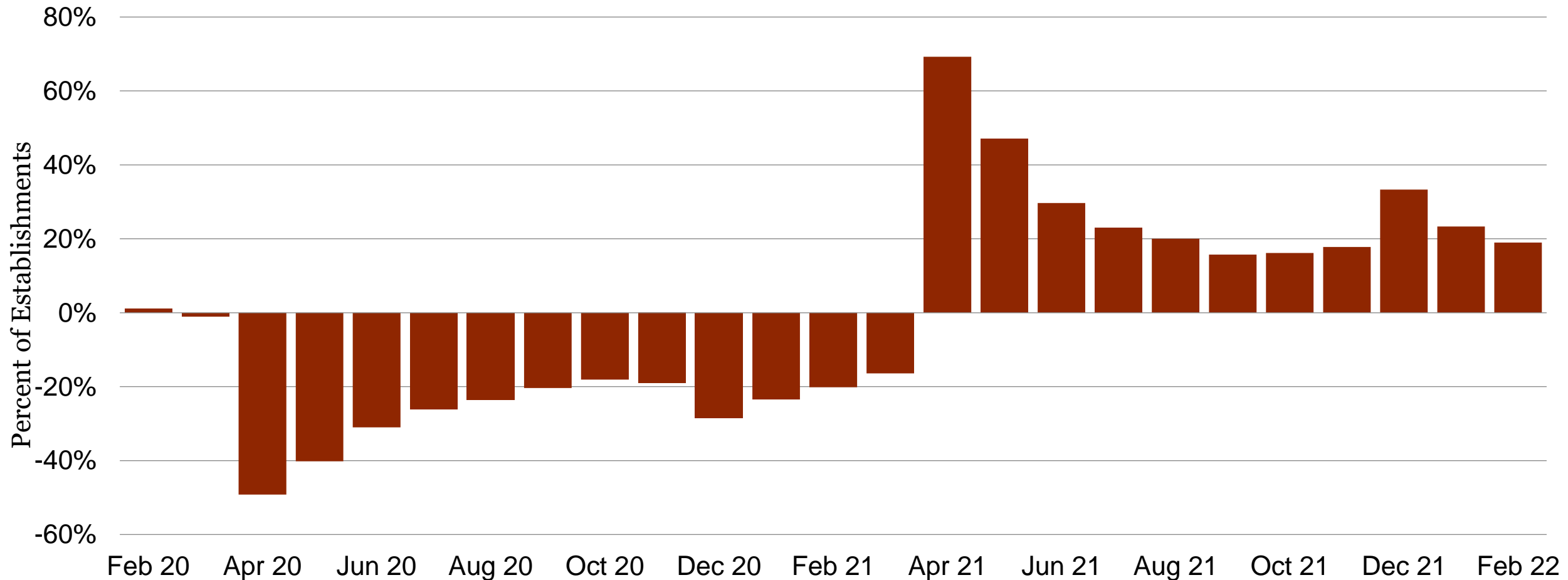


Leisure and Hospitality



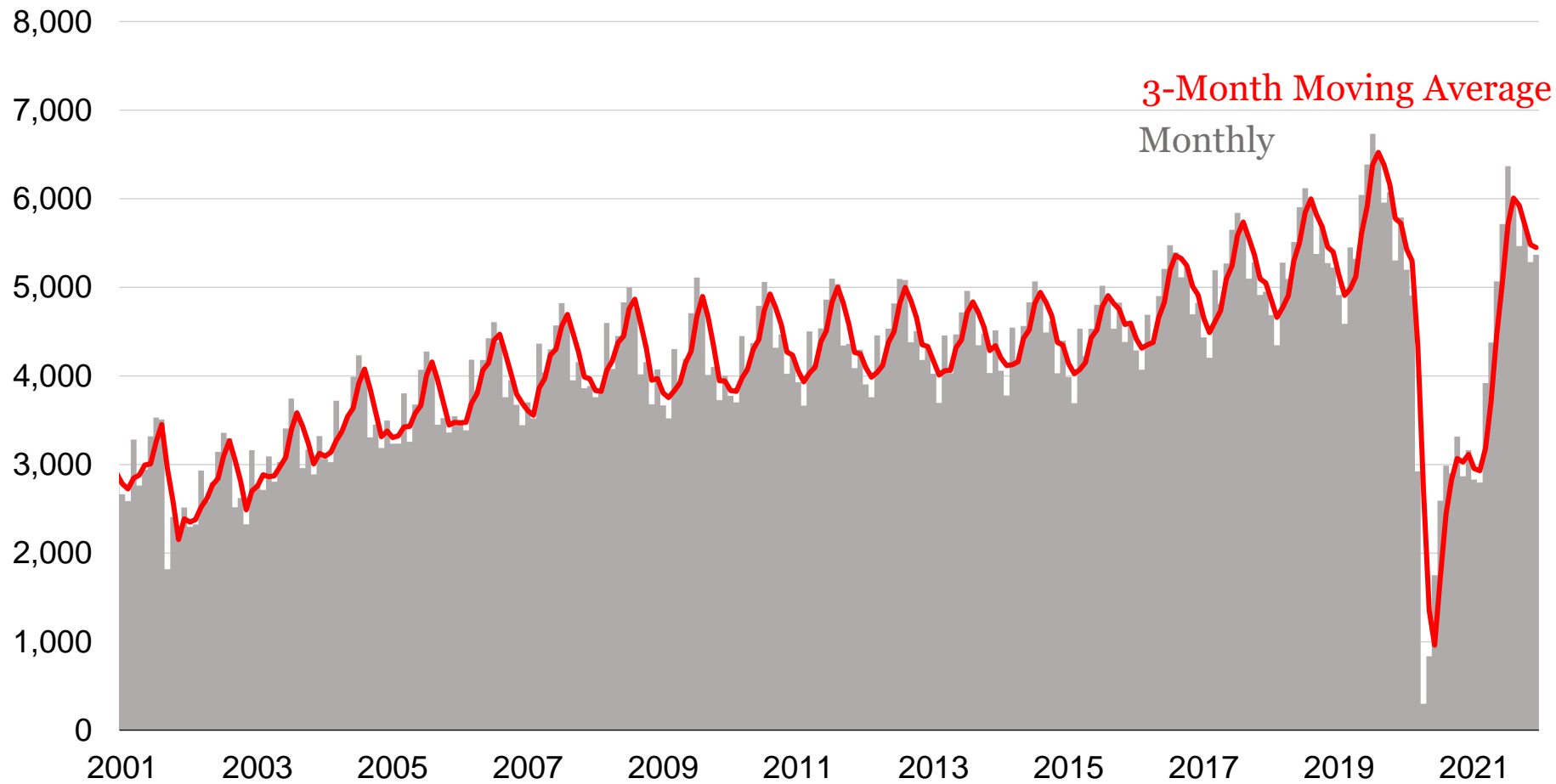
Leisure & Hospitality Employment

Year-Over-Year Percent Change in Leisure & Hospitality Employment

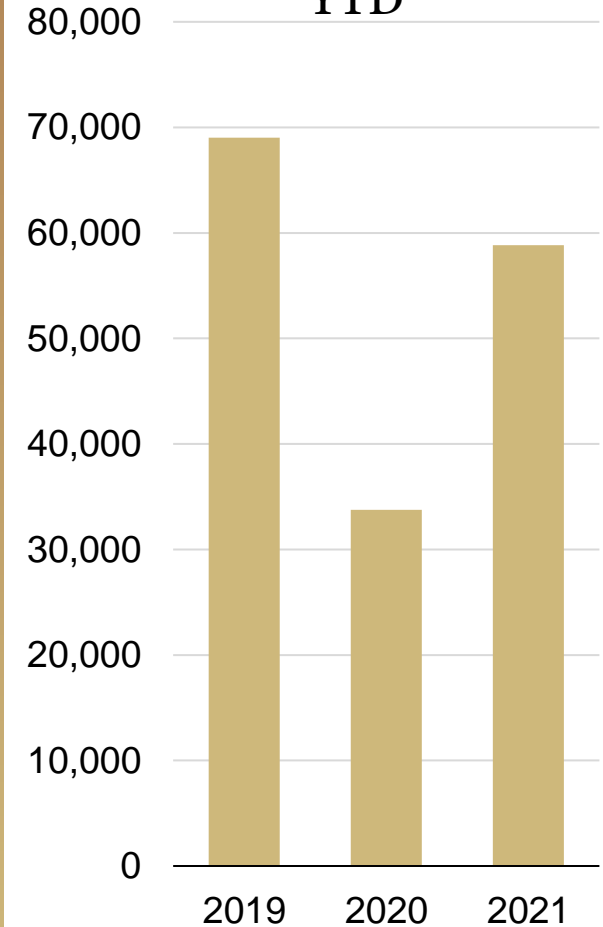


DIA Enplanements and Deplanements

DIA Monthly Passenger Traffic, Thousands, 2001-2021

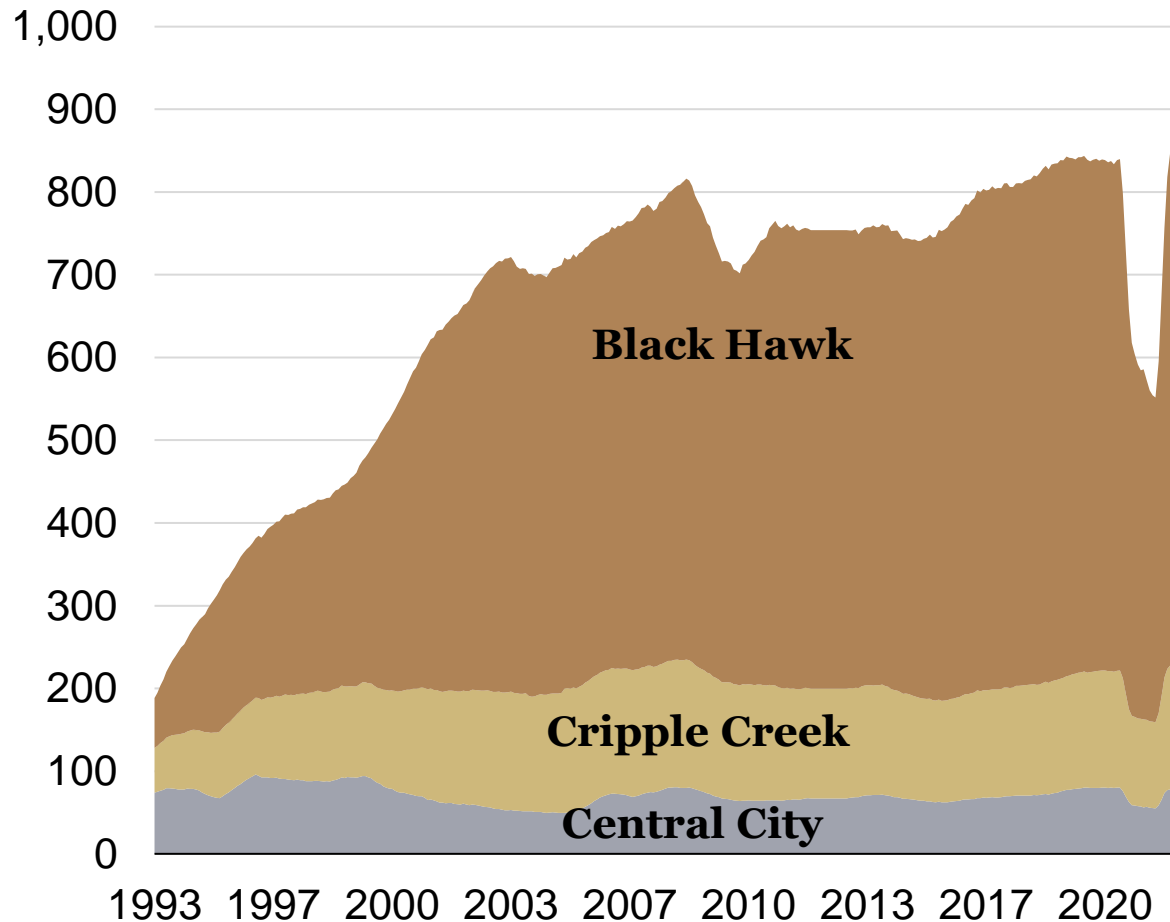


December
YTD

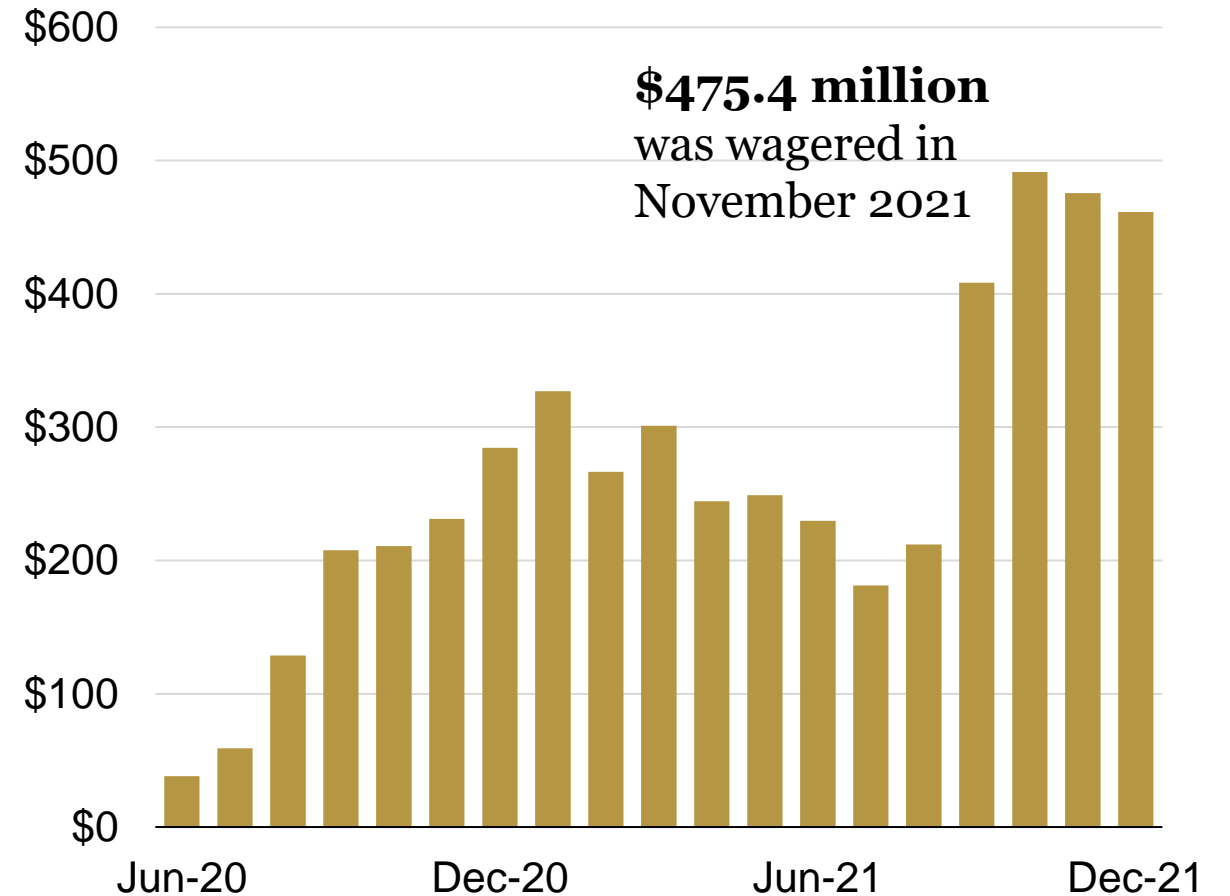


Casinos

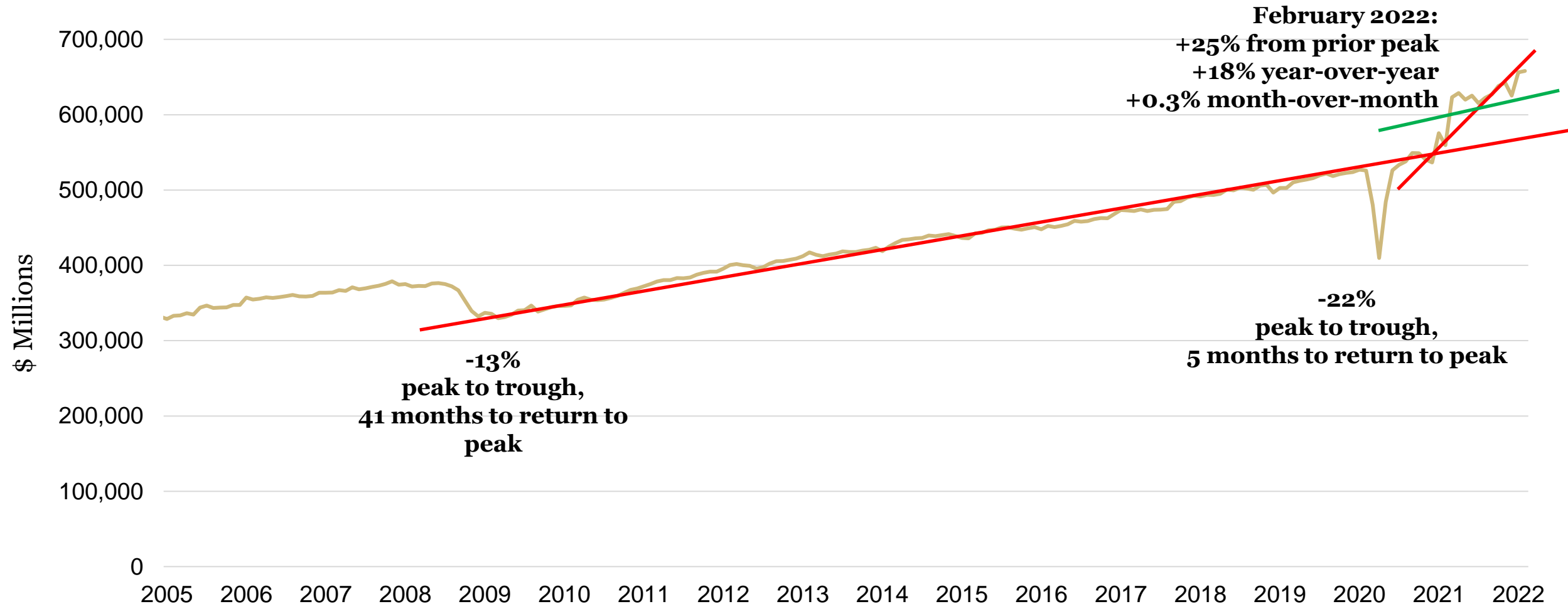
Adjusted Gross Proceeds, \$ Millions, 12-Month Rolling Sum



Colorado Sports Betting Wagers, Millions

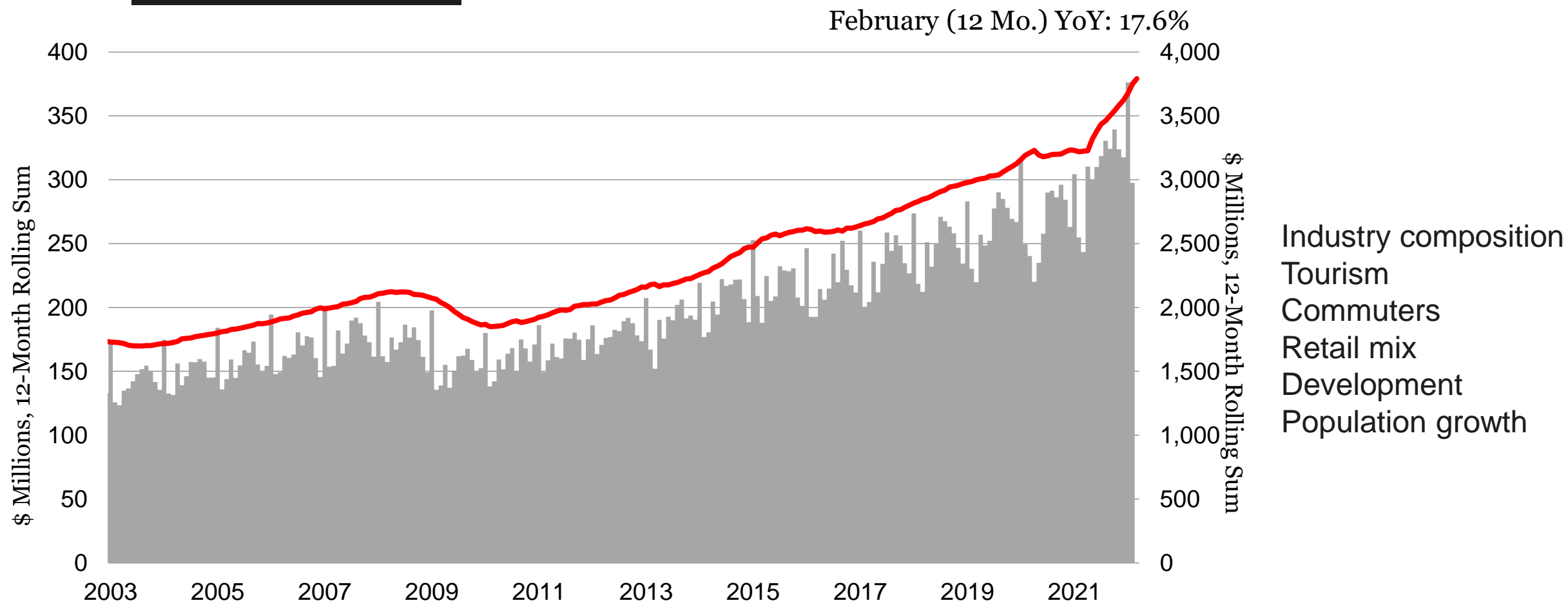


National Retail and Food Services Sales



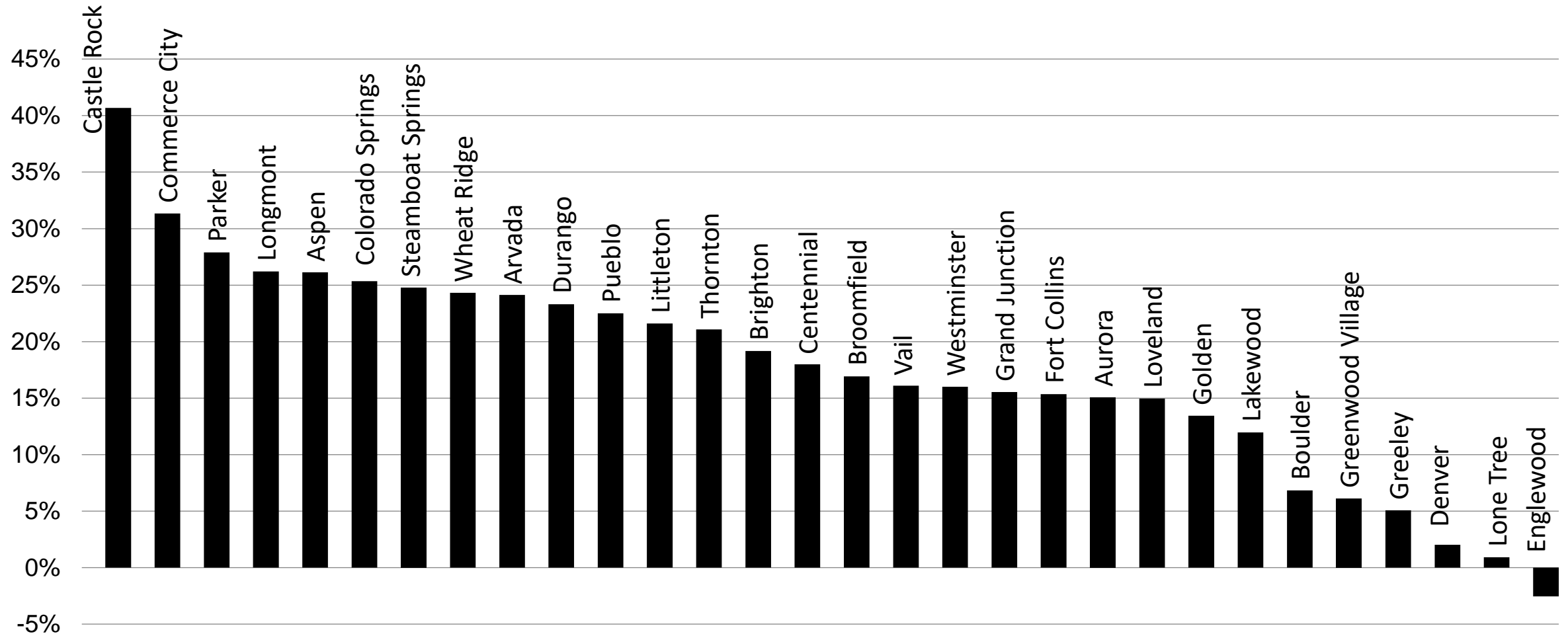
Sales Tax Collections

State of Colorado



State Net Taxable Sales by City

2021 compared to 2019



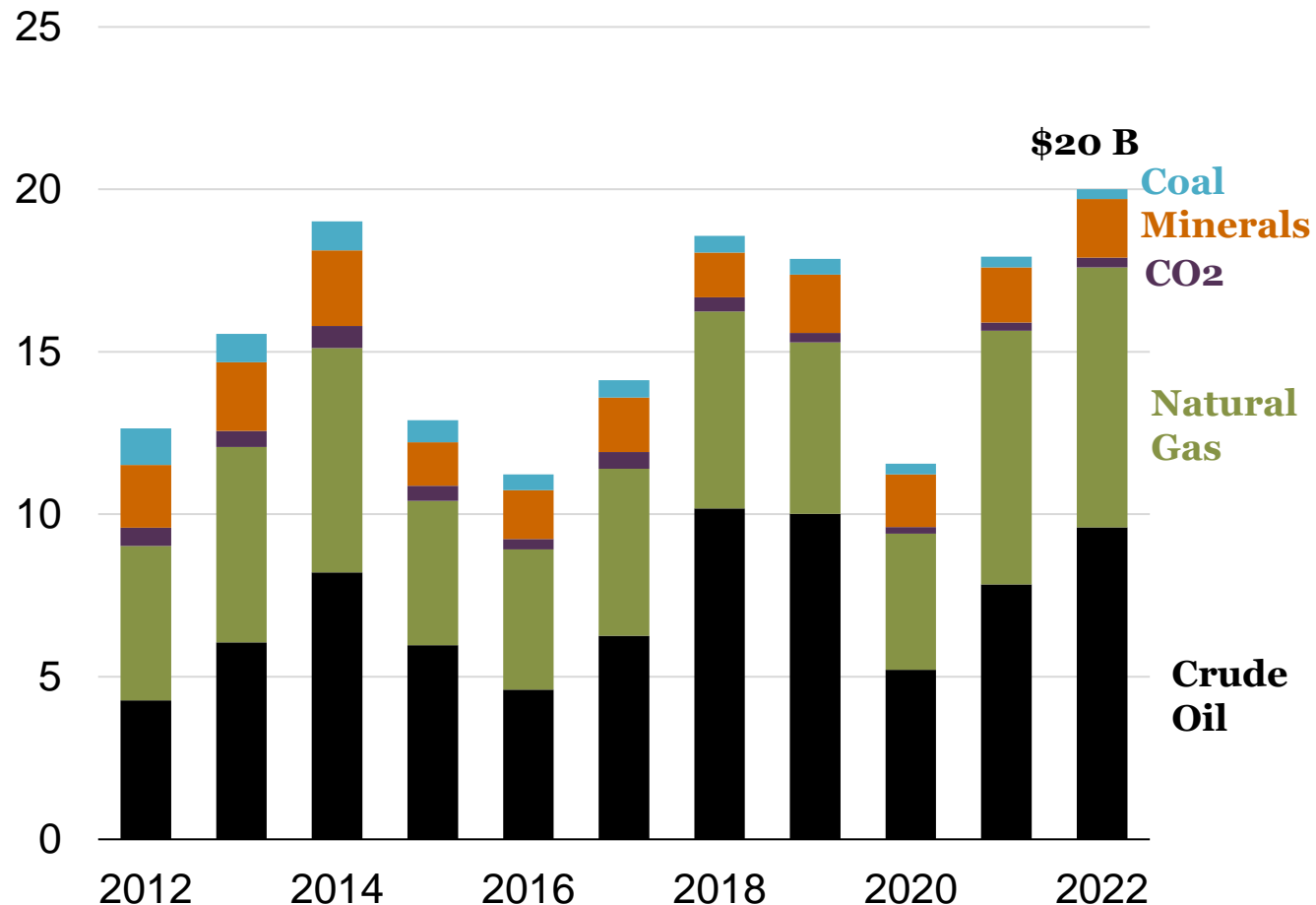
Natural Resources and Mining



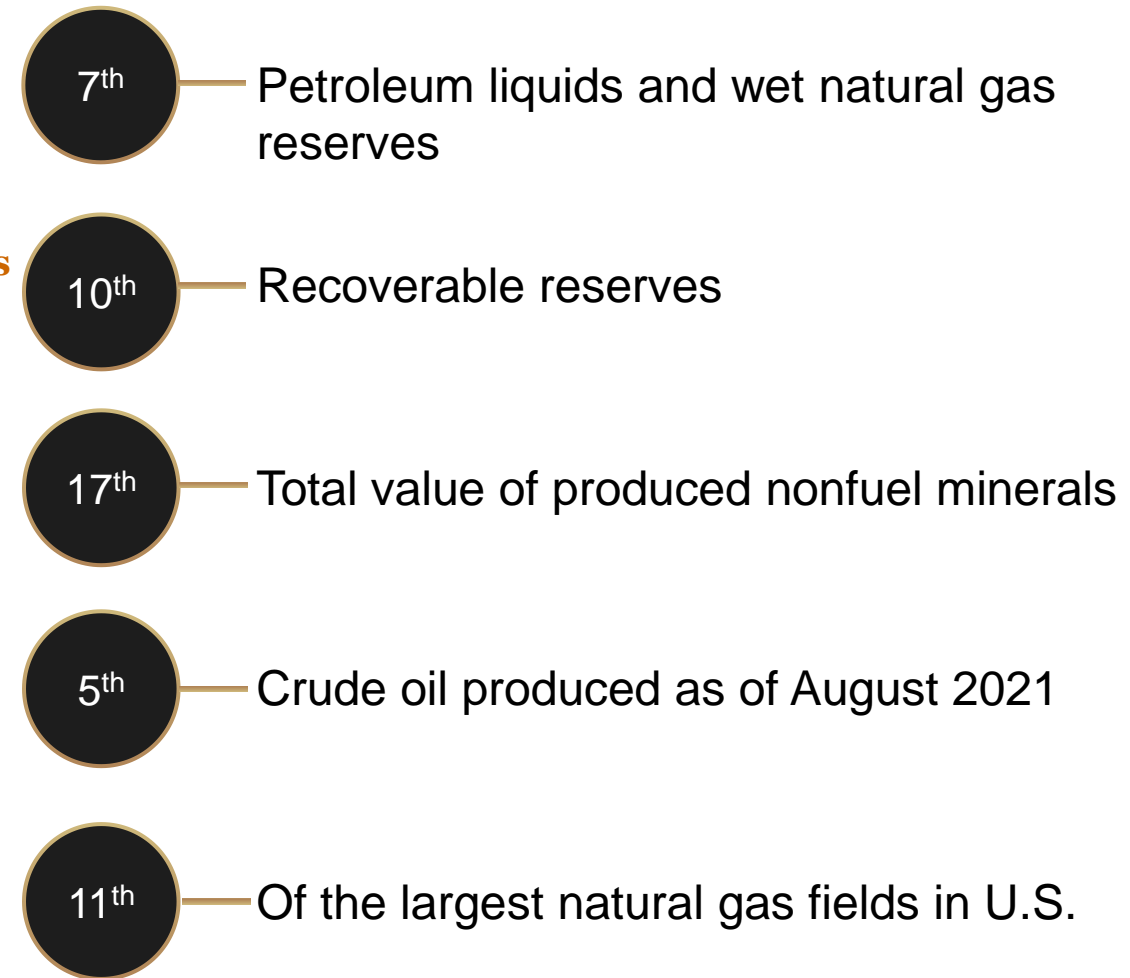
Photo Courtesy of Visit Colorado Springs

Natural Resources and Mining

Value of Production, \$ Billions

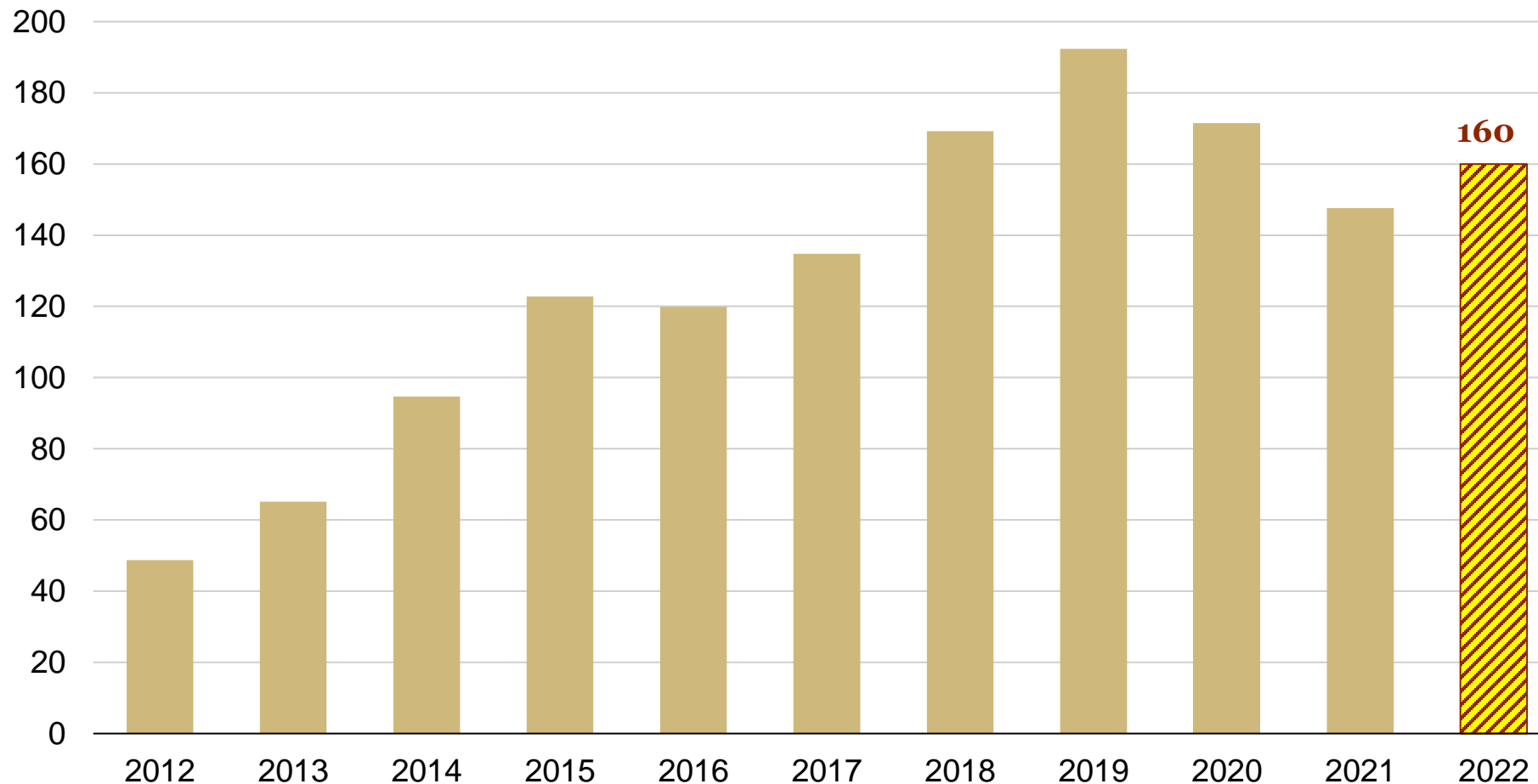


Colorado's National Ranking



Crude Oil Production

Colorado Crude Oil Production, Millions of Barrels



Largest Producers

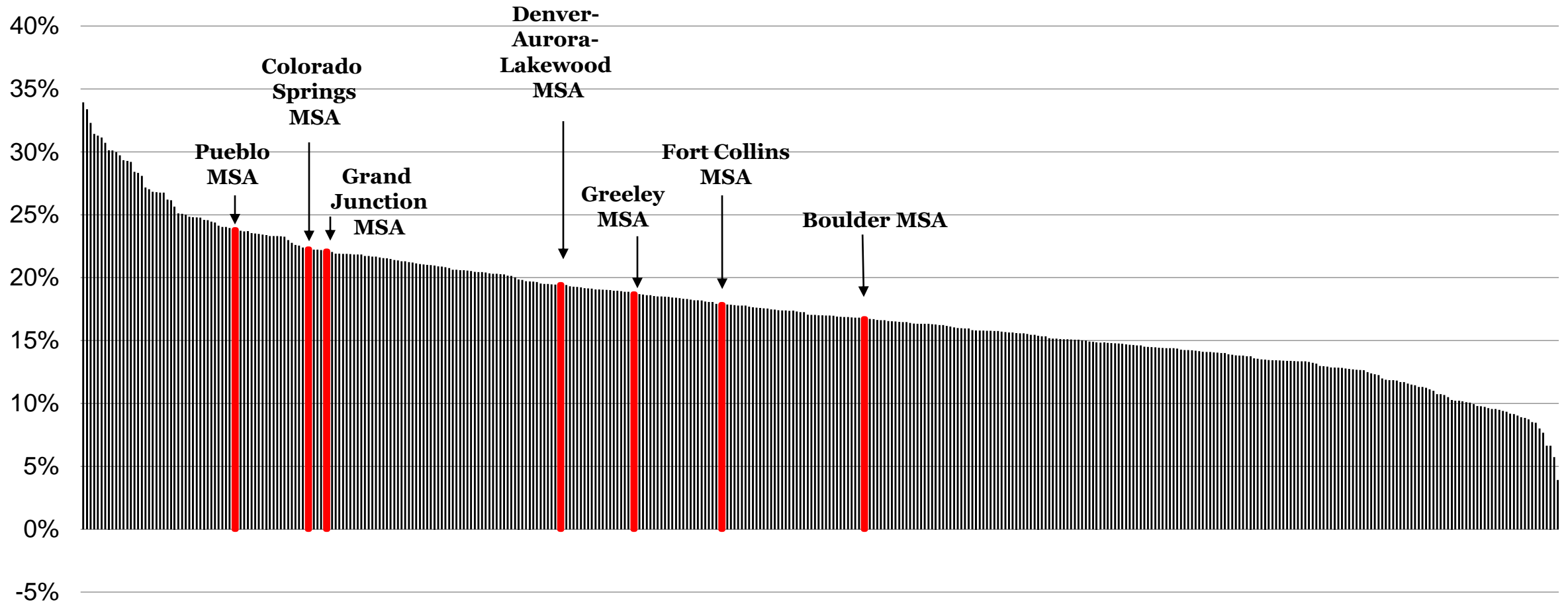
1. Texas
2. New Mexico
3. North Dakota
4. Alaska
- 5. Colorado**
6. Oklahoma
7. California
8. Wyoming
9. Utah
10. Louisiana



Construction & Real Estate

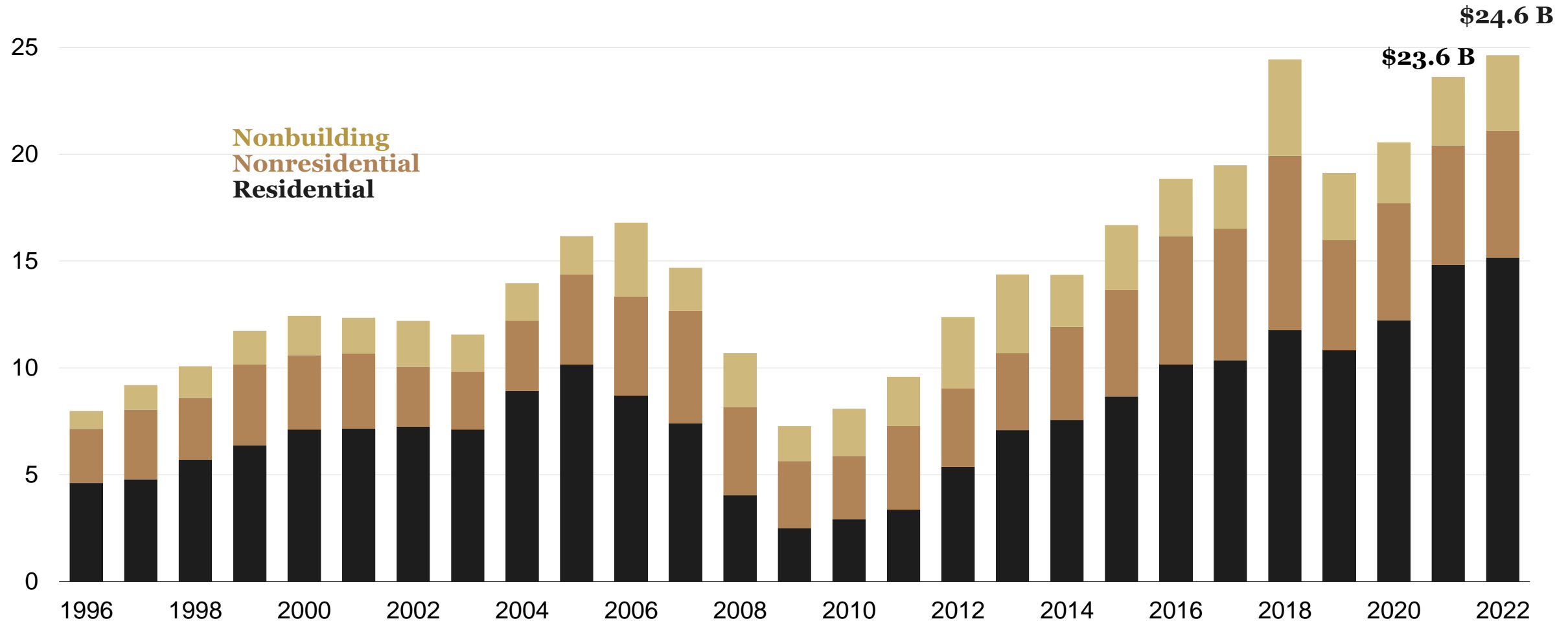
FHFA Home Price Index by MSA

1-Year Home Price Change, Q4 2021



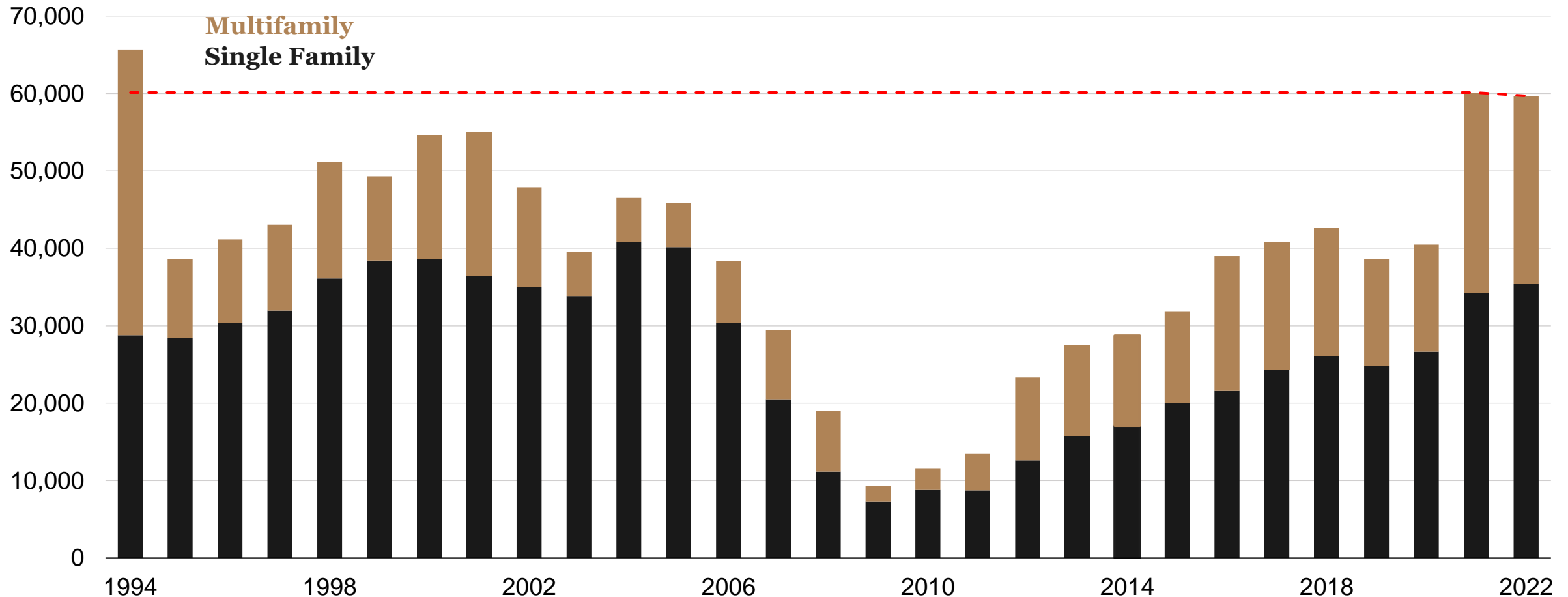
Colorado Total Value of Construction

Total Value of Construction, \$ Billions

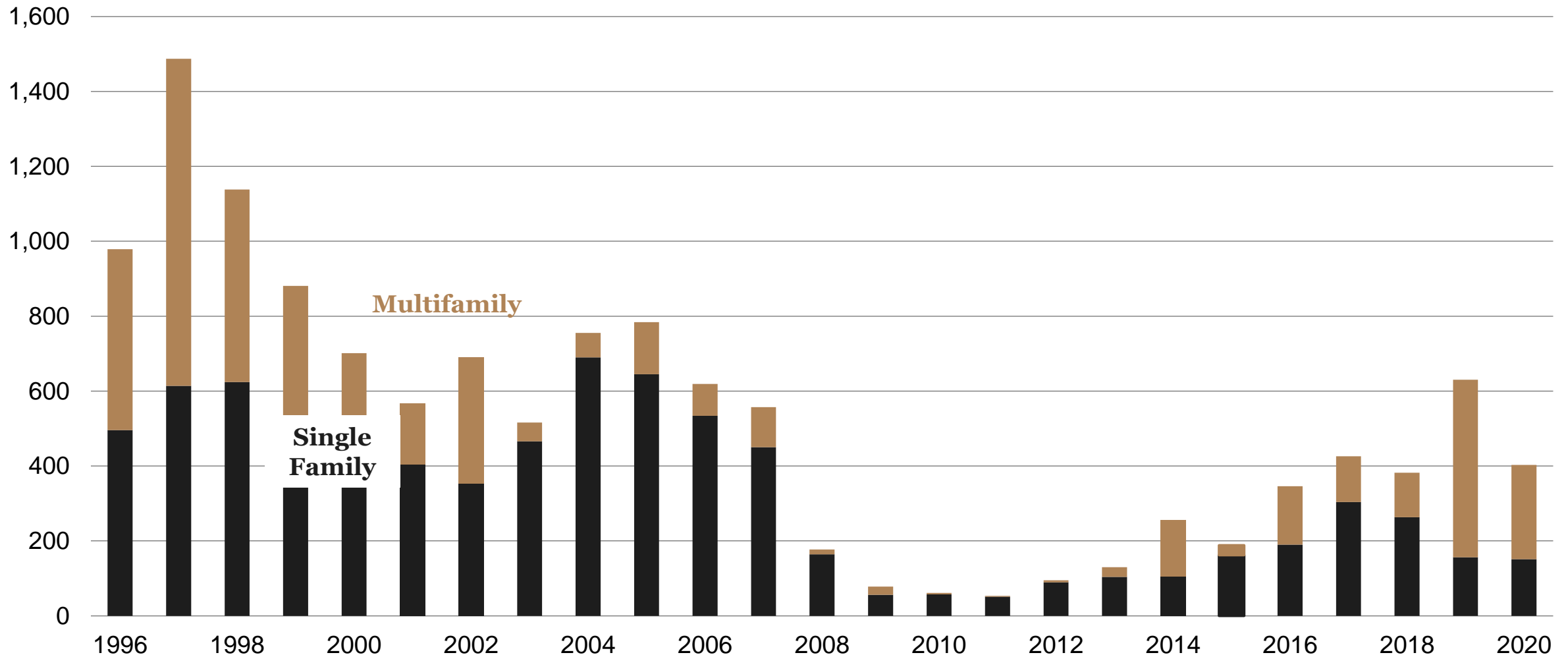


Colorado Residential Building Permits

Permits, 1994-2022

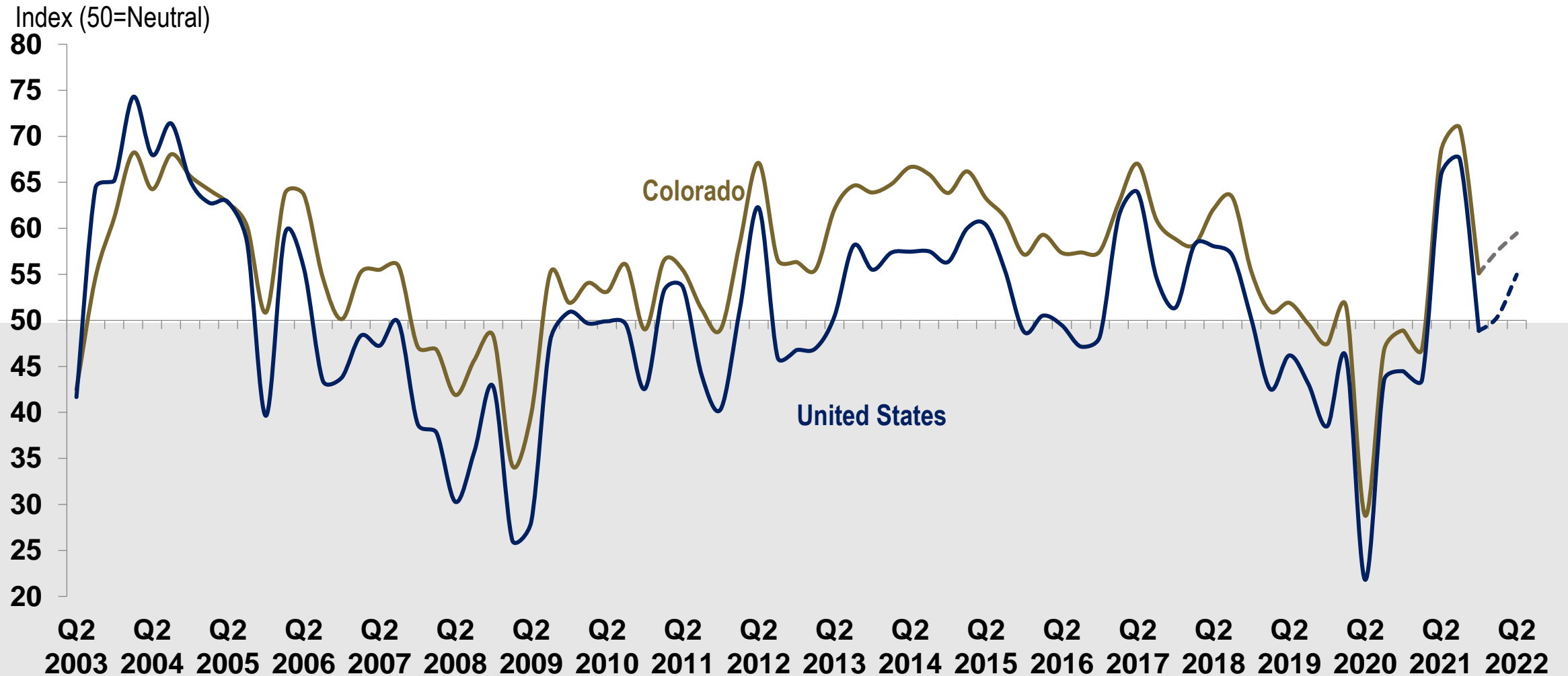


Eagle County Residential Building Permits



Expectations for the U.S. and Colorado Economies

Q1 2003 – Q1 2022



Q&A



Colorado Ski Counties



Ski Counties – Population Change

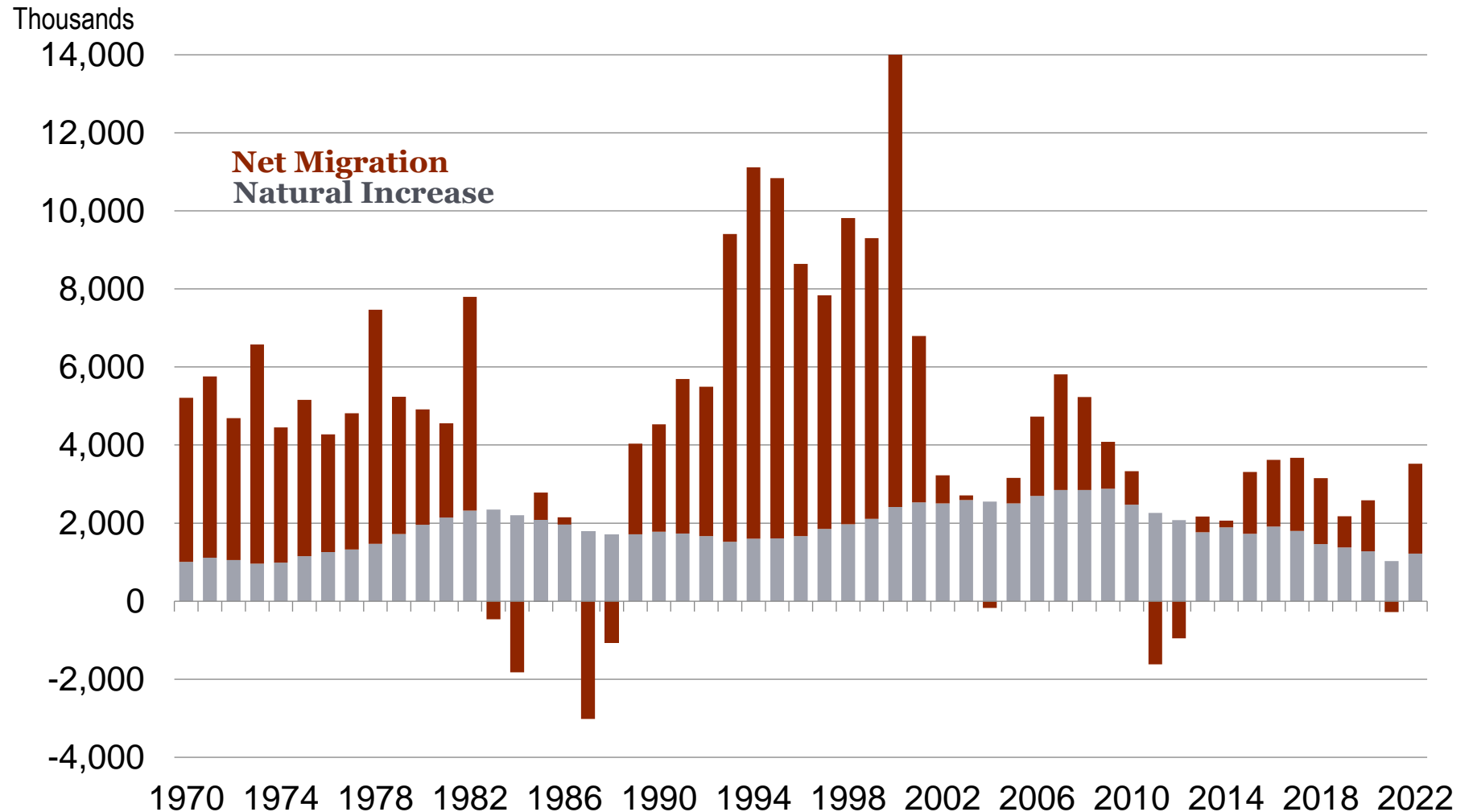
Ski Counties increases

- 2,600 in 2020
- 740 in 2021
- 3,500 in 2022

Migration source of labor

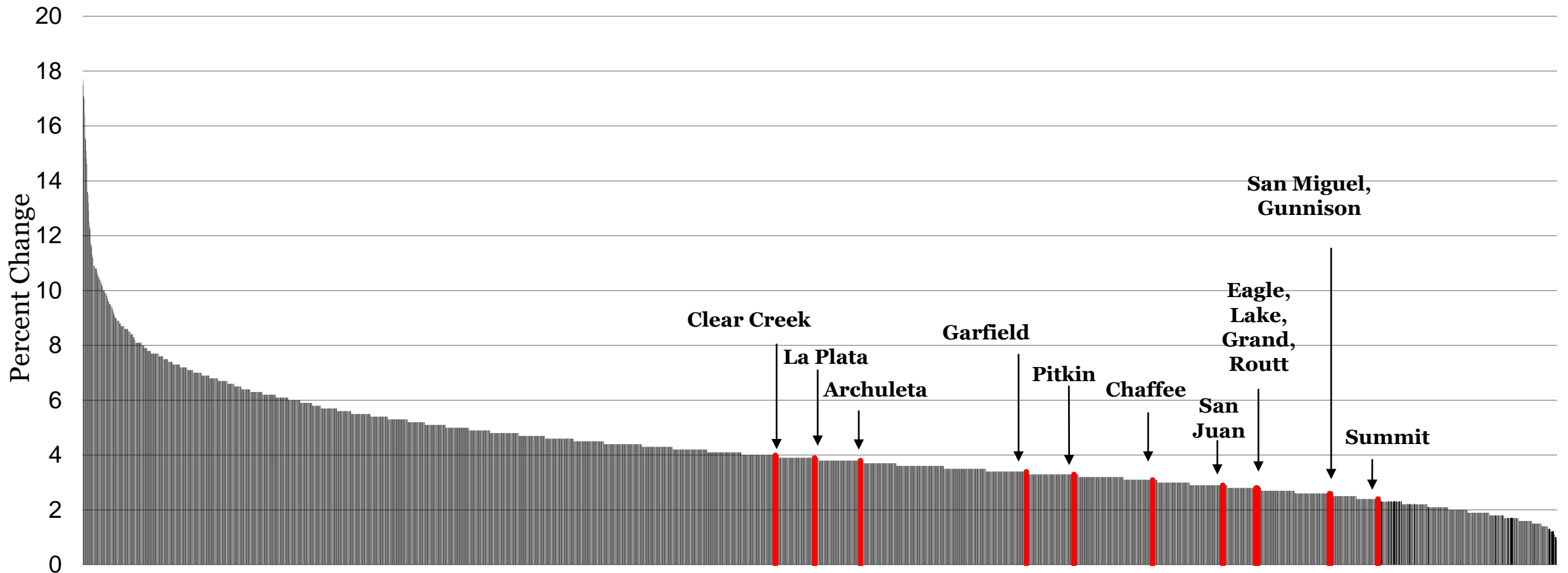
Slower pace than the state

Declining Natural Increase



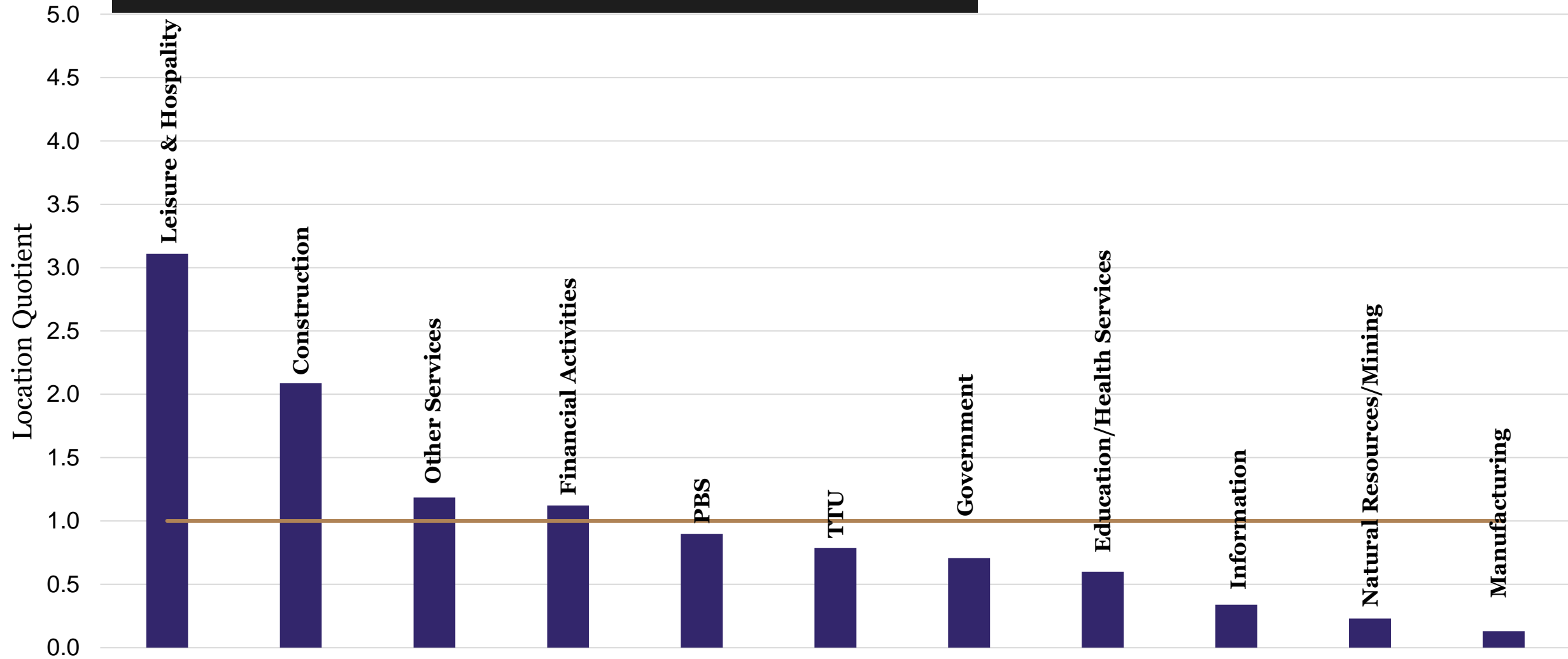
Unemployment Rate

February 2022

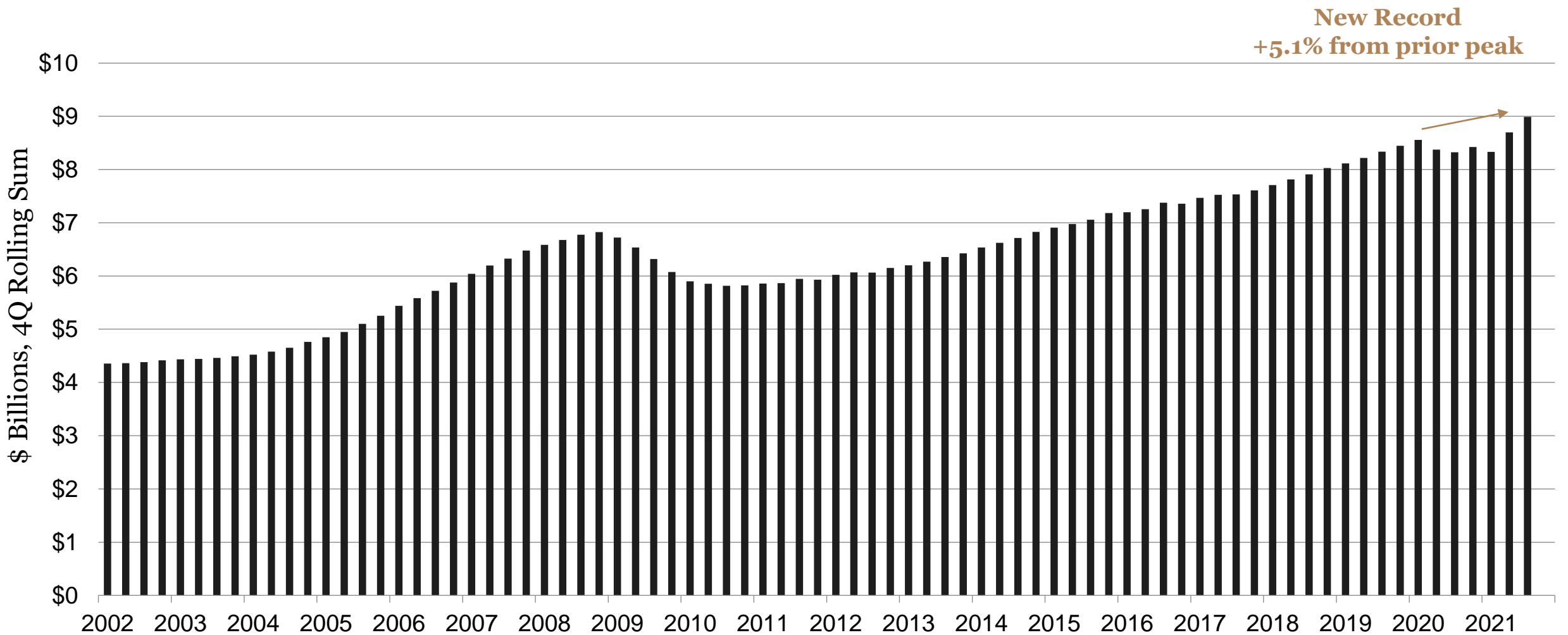


Industry Location Quotients

Eagle County compared to the U.S., 2020 Annual

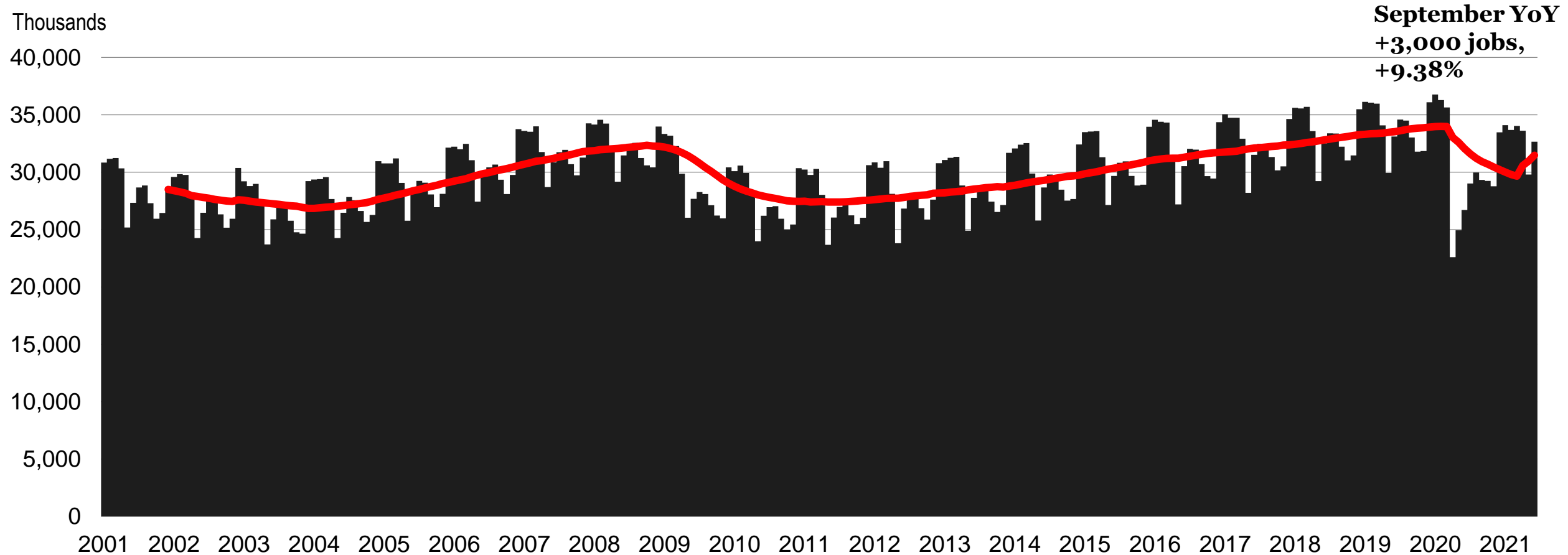


Colorado Ski Counties Covered Wages

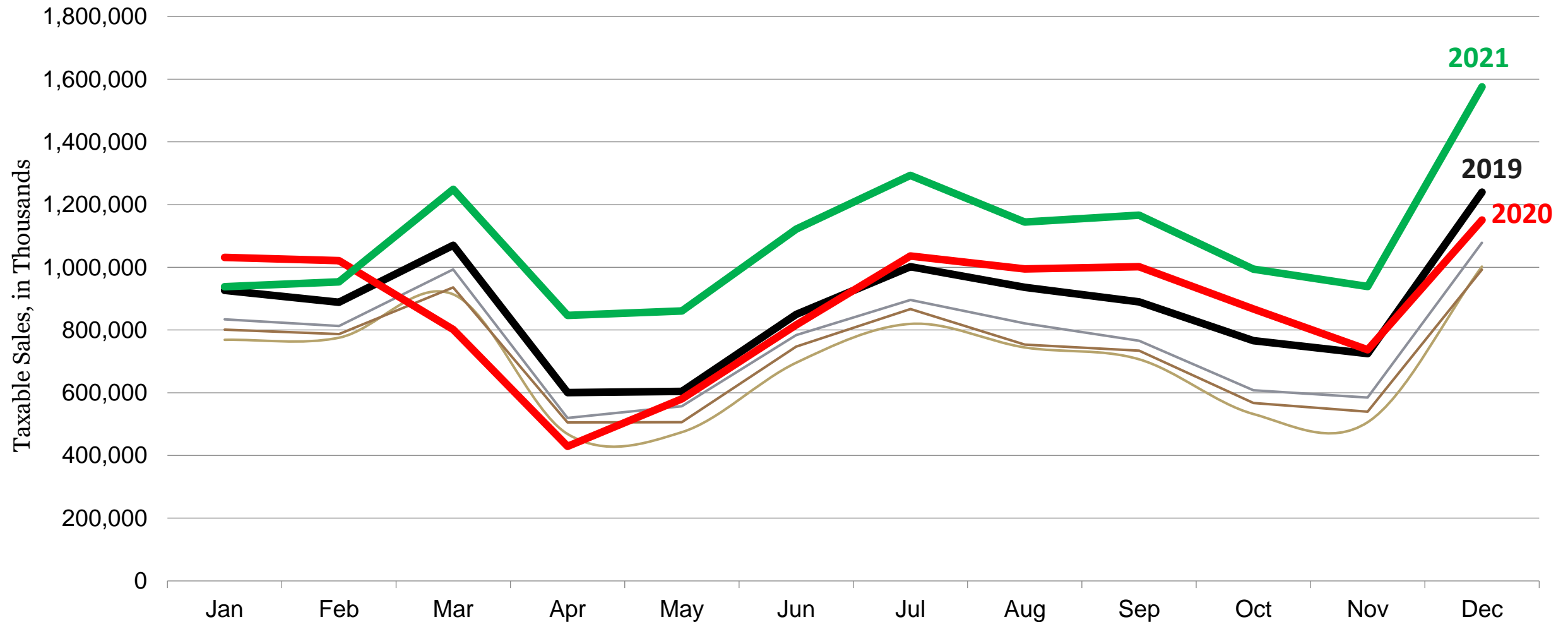


Eagle County Employment

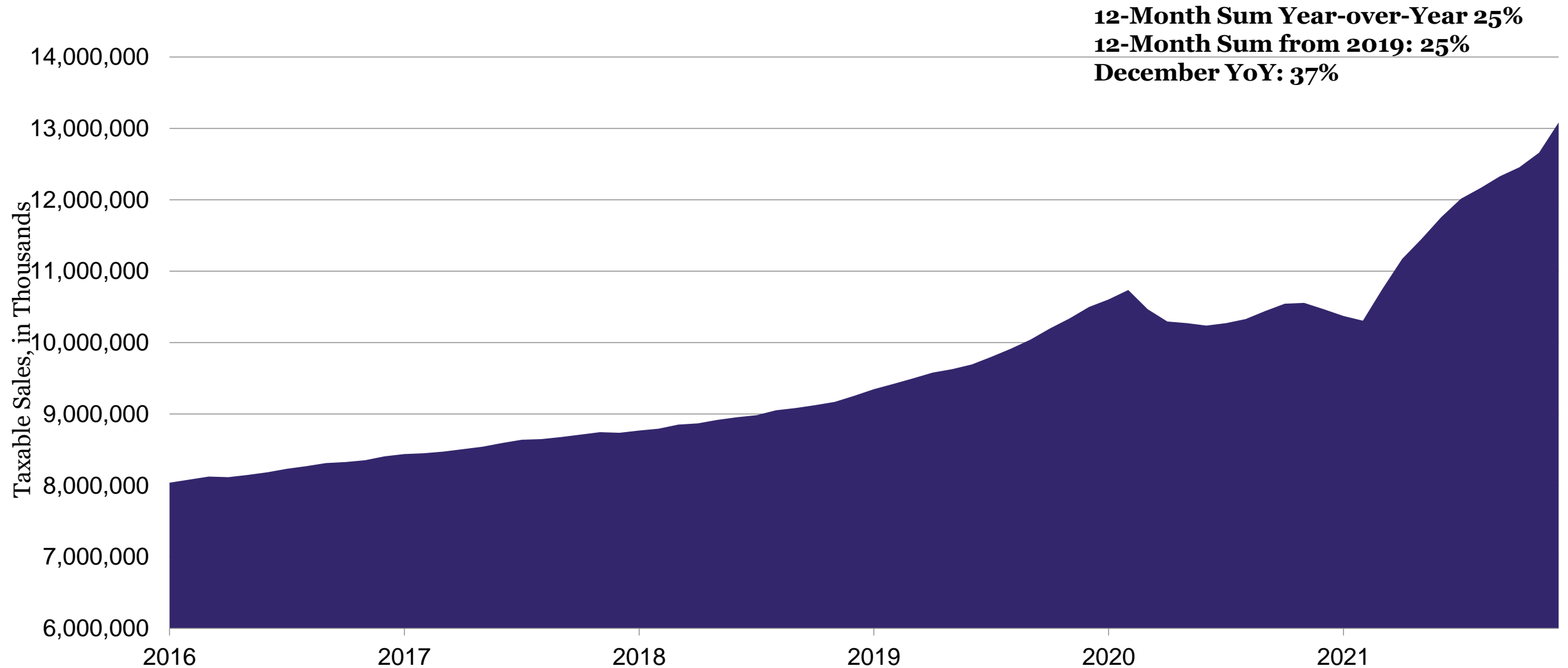
12-Month Rolling Average



Ski Counties Taxable Sales

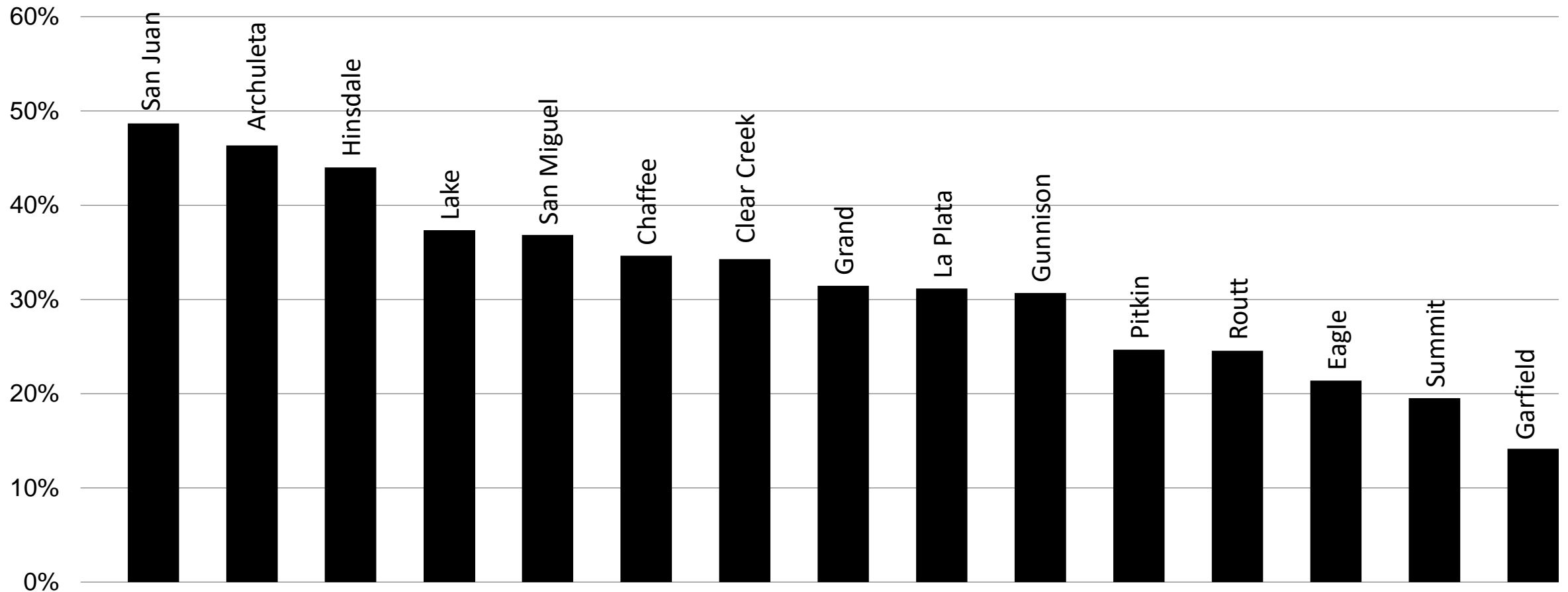


Ski Counties Taxable Sales



State Net Taxable Sales by County

December 2021 YTD Compared to December 2019 YTD

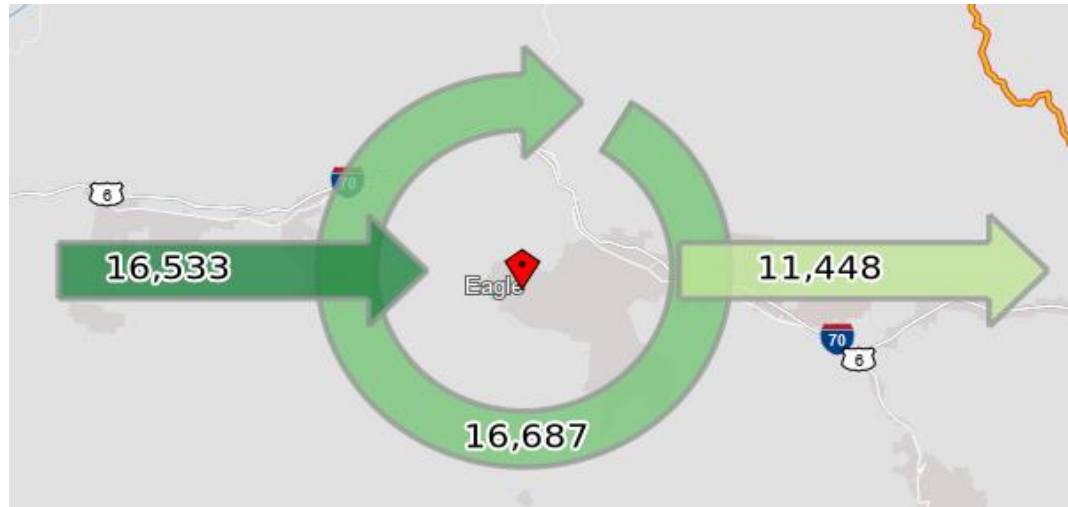


Daily Commute

Vail

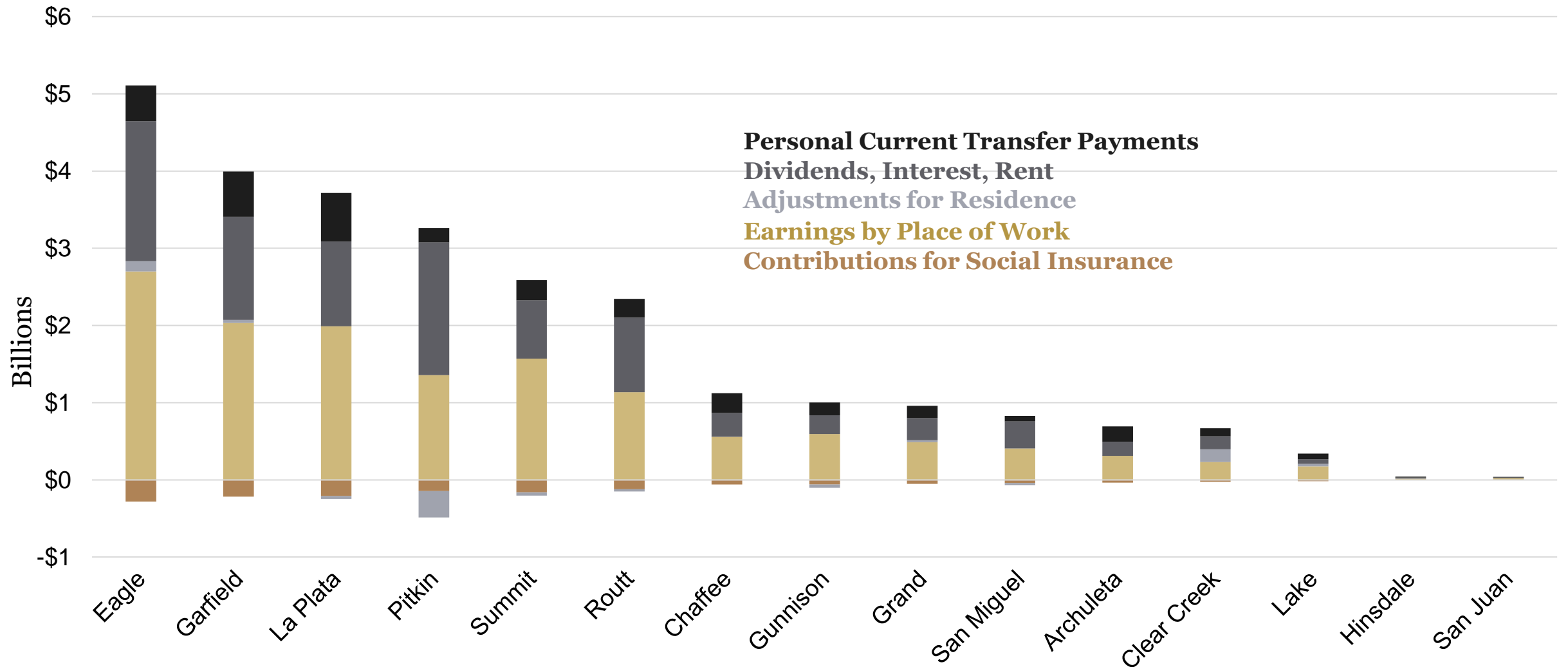


Eagle County

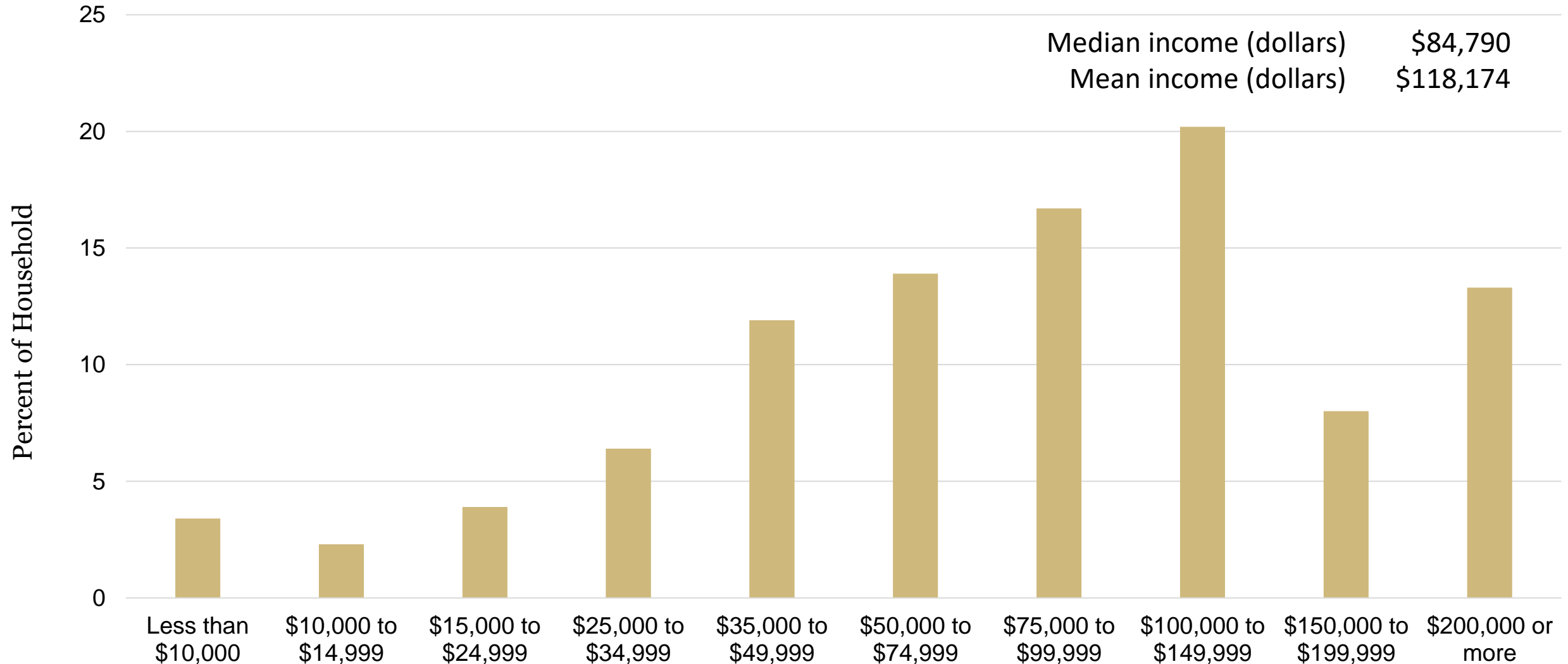


\$134 M Personal income
inflow

Ski Counties Personal Income



Household Income in Eagle County



Tailwinds

Gross Domestic Product
Vaccine
Retail Sales
Energy
Technology
Wage Growth
Infrastructure Spending

Headwinds

COVID Variants
Inflation
Supply Chain Disruptions
Worker Shortages
Fed Policy
Labor Participation
Drought

Unknowns

Human Behavior
Rural Migration
Birth Rates
Work from Home