



Federal Home Loan Bank
NEW YORK

Presentation from the FHLBNY to:

Turning the Page: The U.S. and Local Economic Outlook

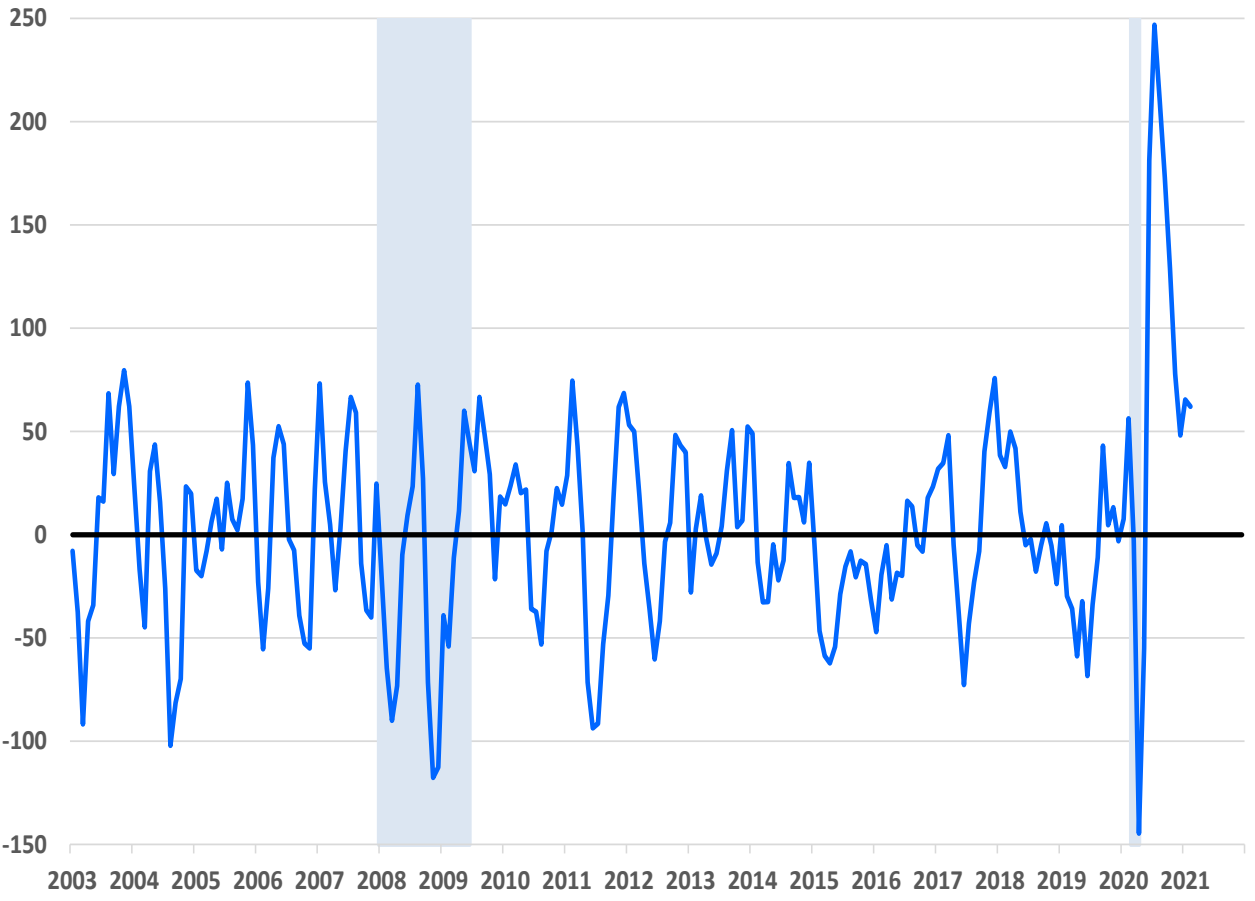
Brian Jones, Vice President & Financial Economist, FHLBNY

February 11, 2021

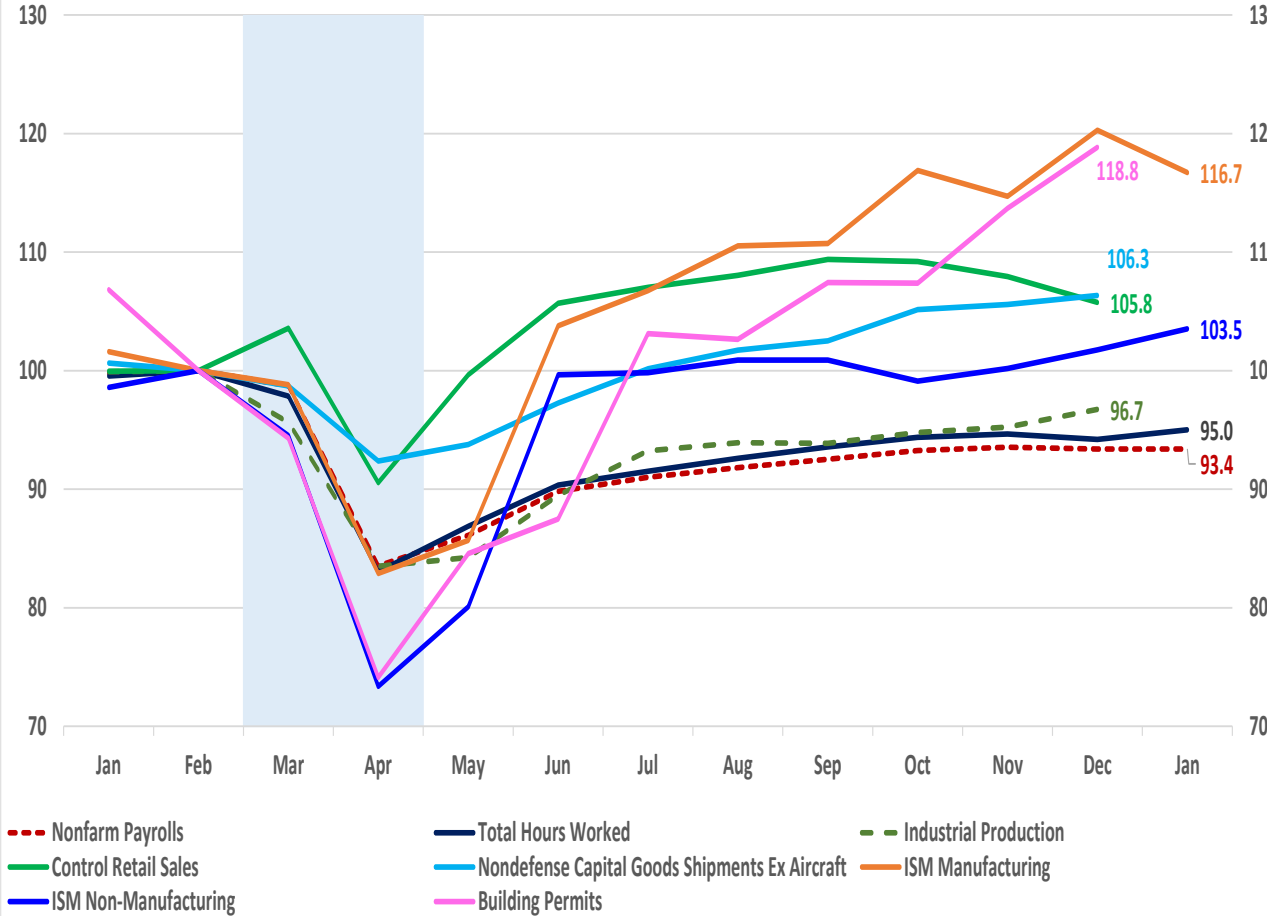


Recent Data Continue to Eclipse Economists' Expectations

Citi U.S. Economic Surprise Index
(end of month observations)



Recent Performances of Key Economic Variables
(Index February Cycle Peak = 100)

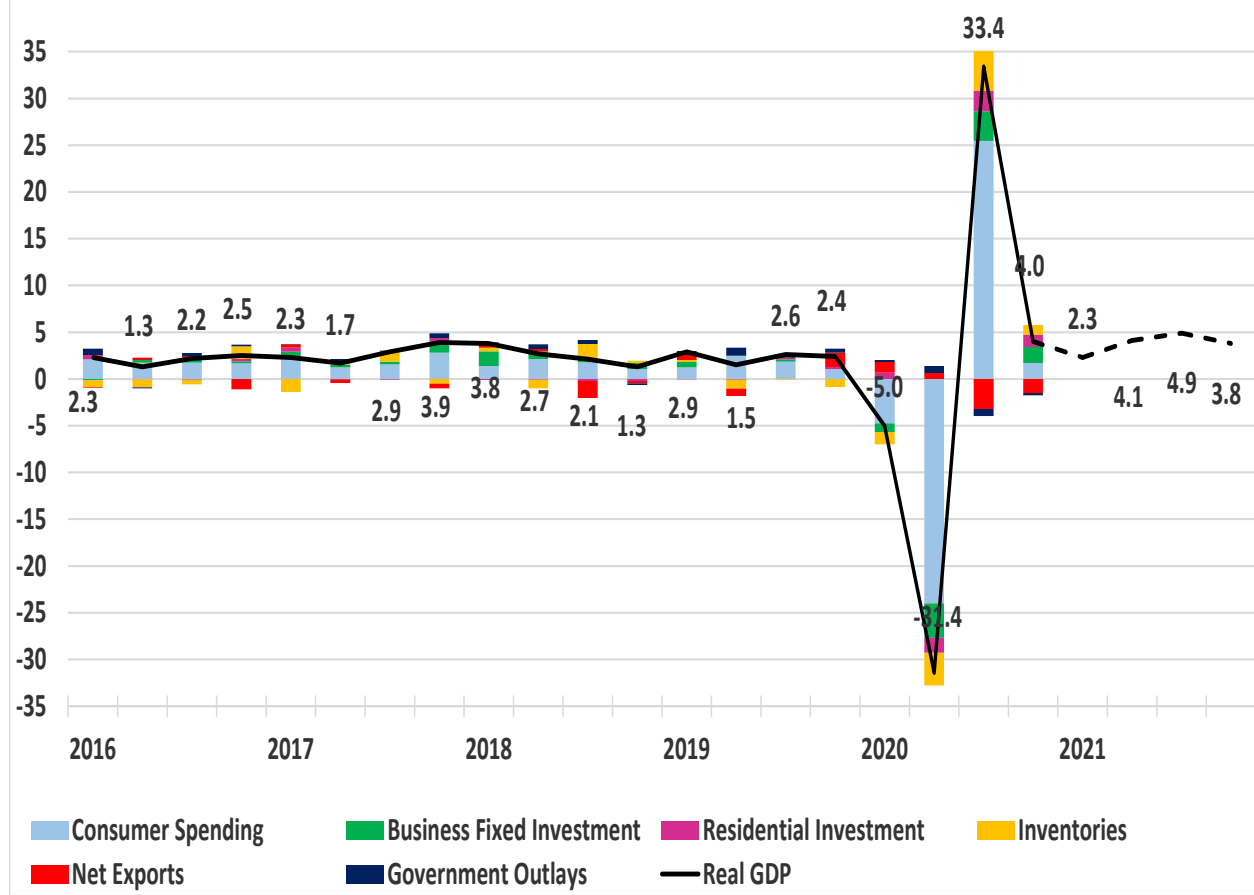


Note: Shaded areas denote recessions. Sources: Citi Investment Research, Bureau of Labor Statistics, U.S. Commerce Department, Federal Reserve System, Institute for Supply Management

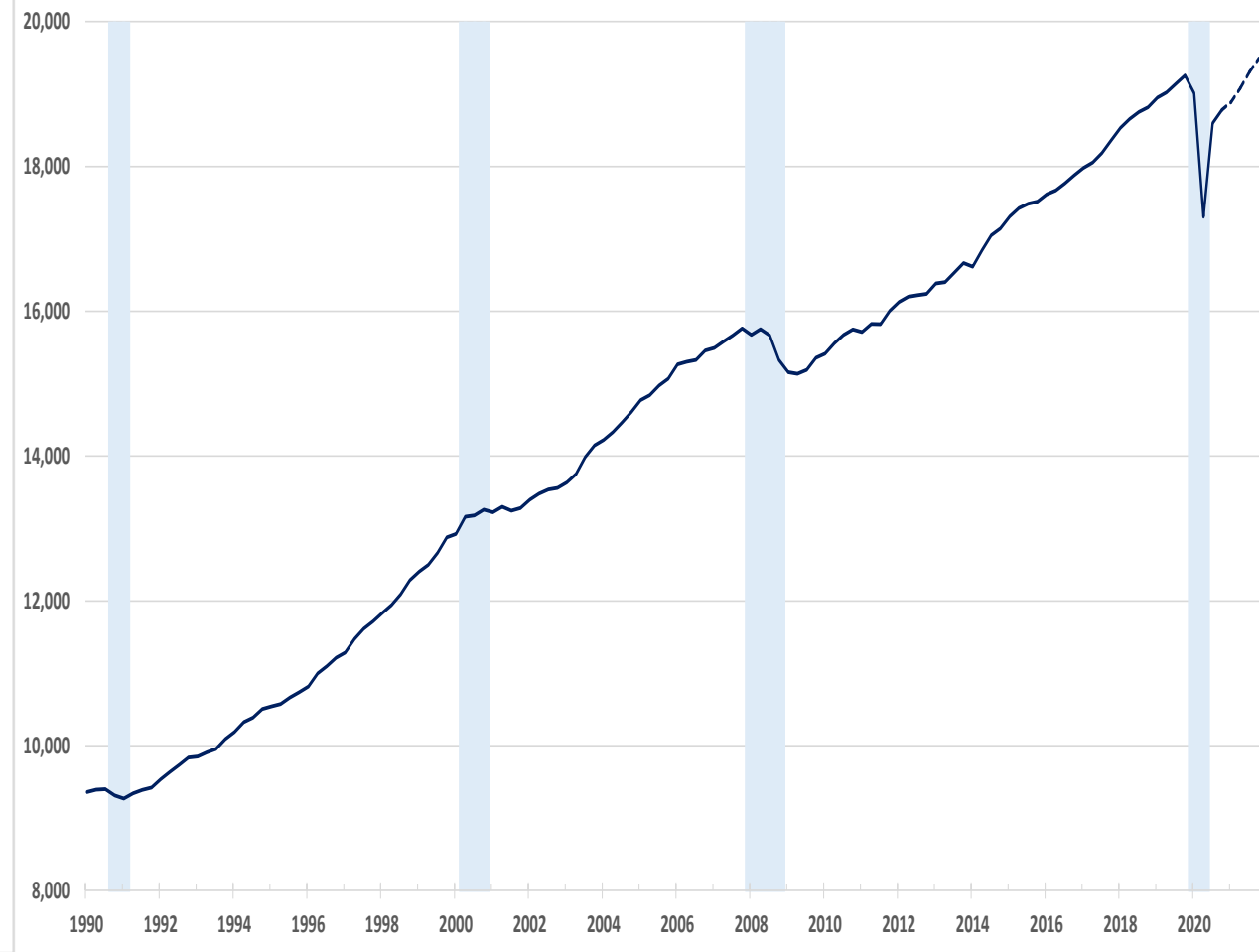


Consensus Projections Imply That Output Lost to the Pandemic Will Be Recovered By Mid Year

Net Contributions to Real GDP Growth
(quarterly percentage change at seasonally adjusted annual rate)

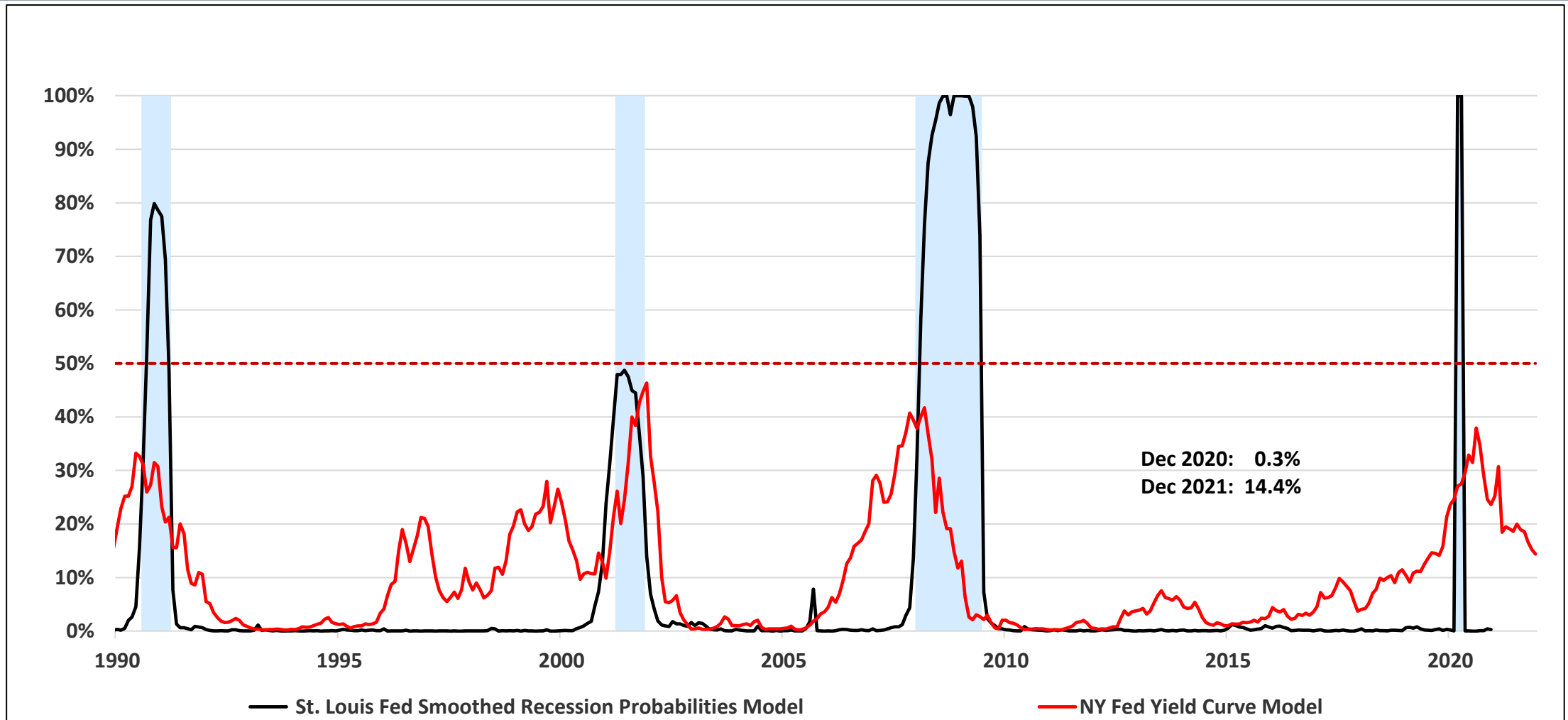


Real Gross Domestic Product, Billions of Chained 2012 Dollars, Quarterly, Seasonally Adjusted Annual Rate



Source: Bureau of Economic Analysis

COVID-19 Recession Likely Ended in May, Year-Ahead Chances of a Downturn Declining



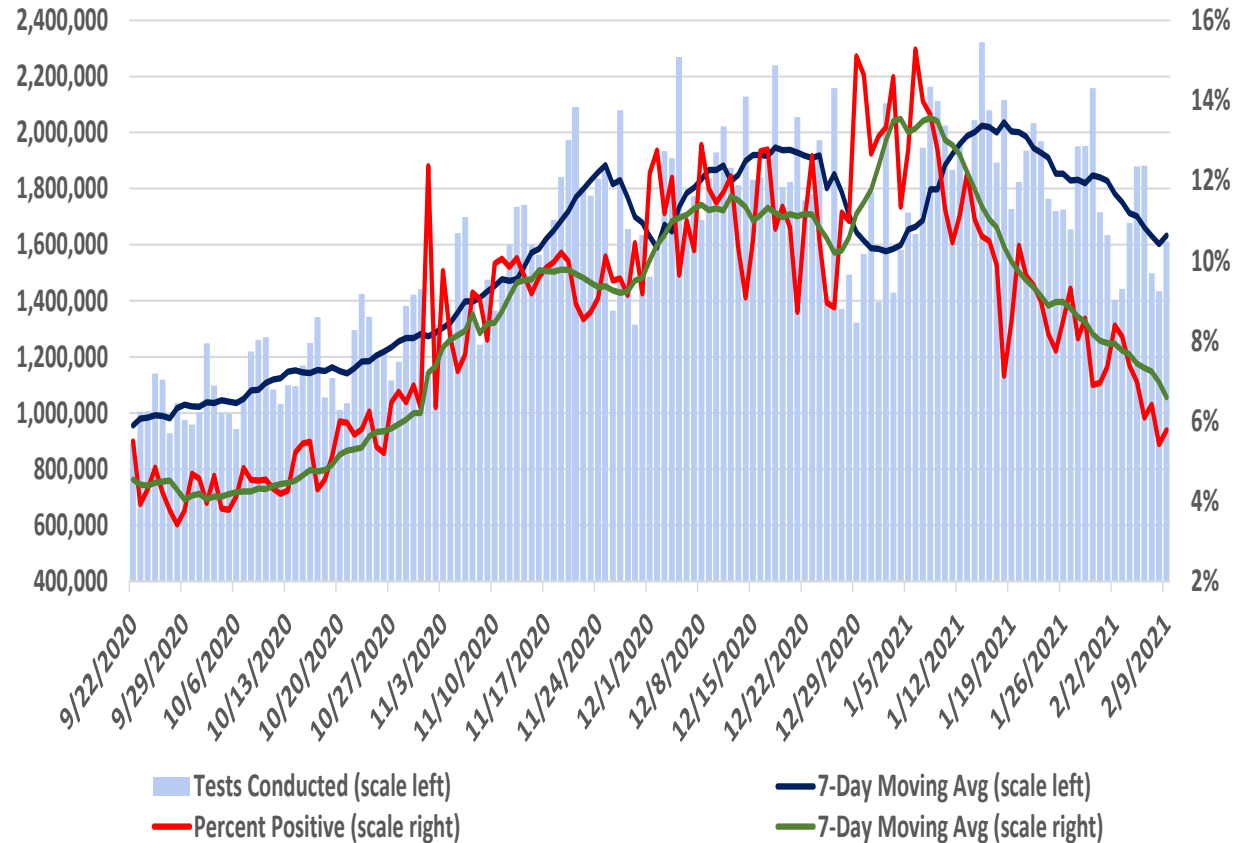
Note: Shaded areas denote recessions.

Sources: Federal Reserve Banks of New York and St. Louis

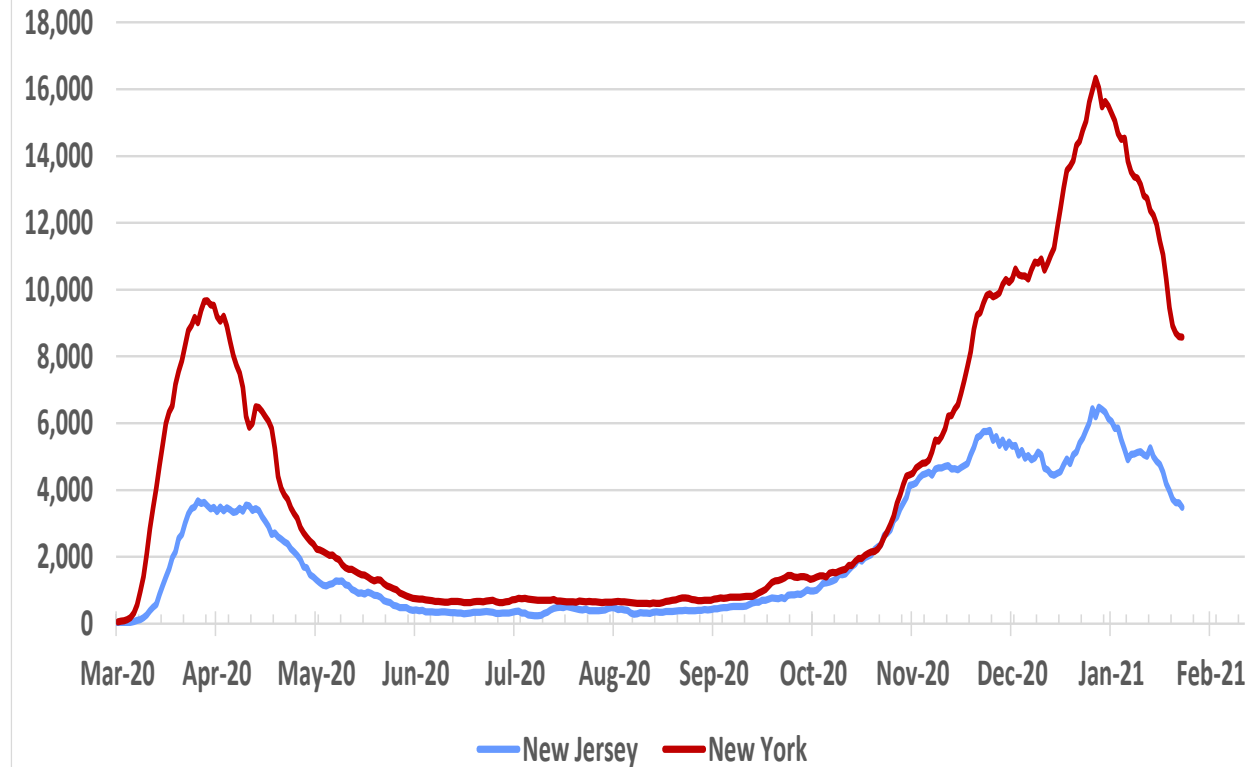


Economy's Near-Term Progress Will Depend on Stemming Renewed COVID-19 Outbreak

U.S. COVID-19 Tests Results Per Day



Positive COVID-19 Test Results (7-Day Moving Averages)



Source: COVID Tracking Project

And Progress in Distributing COVID-19 Vaccines

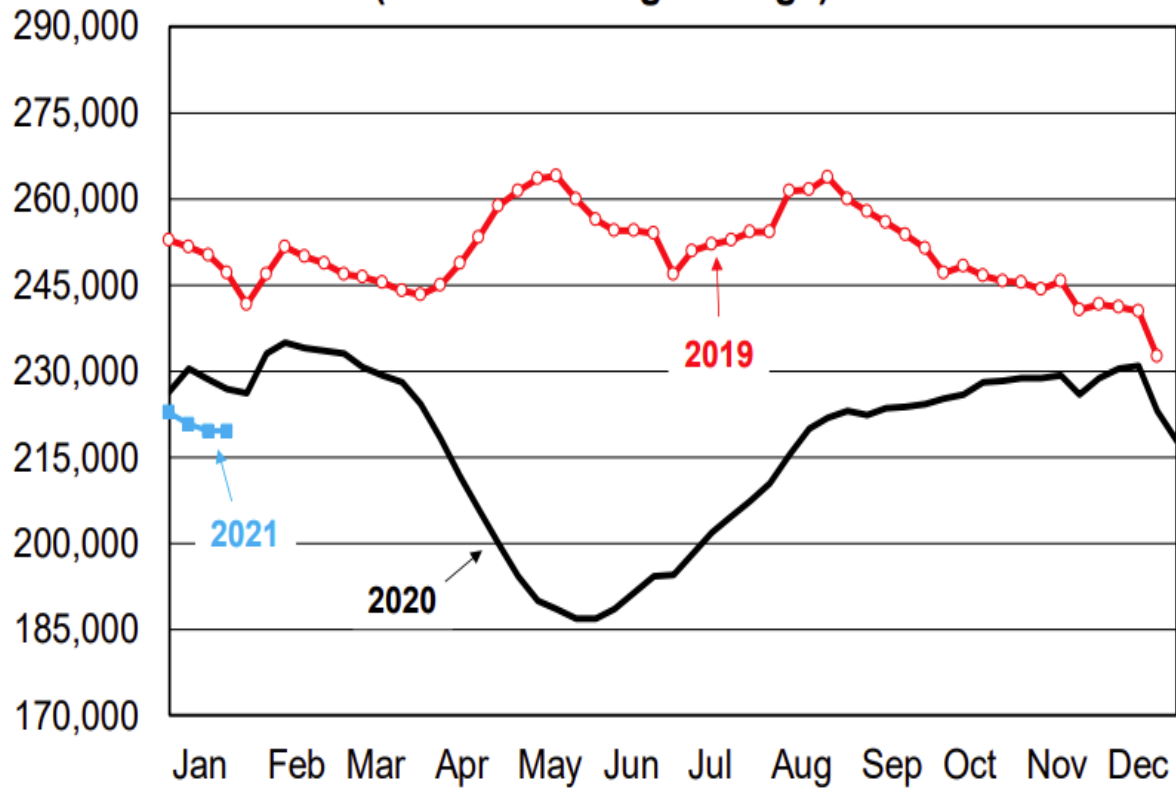
	Doses Administered	% of Population Given		Daily Rate of Doses Administered	% of Supply Used
		1+ Dose	2 Doses		
United States	44,413,509	10.2	3.1	1,528,618	70.6
FHLBNY District:					
New York	2,513,387	9.7	3.2	76,921	73.3
New York City	1,032,158	9.3	3.0	29,784	69.9
New Jersey	1,096,789	9.6	2.7	37,172	74.1
Puerto Rico	321,965	7.4	2.4	21,783	51.0
Virgin Islands	10,064	6.9	2.6	479	46.8



Source: Bloomberg

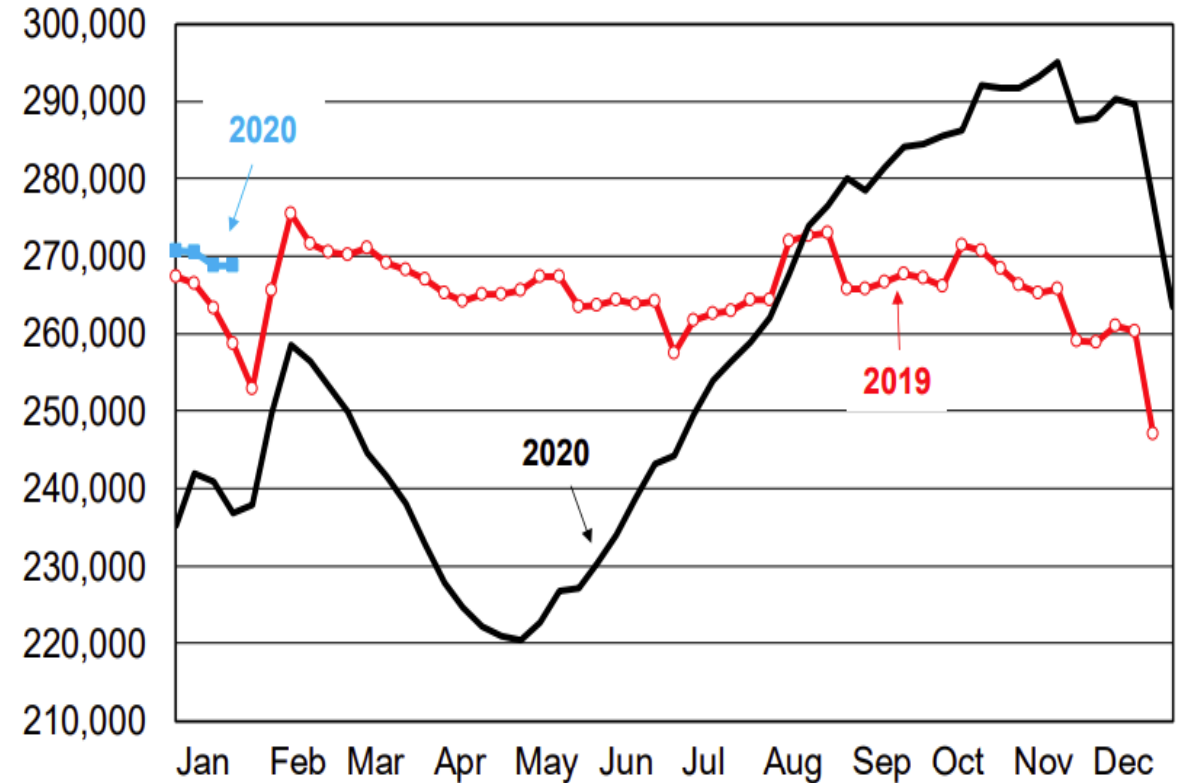
U.S. Railroad Traffic Well Off Pandemic Lows

Total U.S. Rail Carloads (6-week moving average)



Data are 6-week moving average originations, do not include intermodal, and do not include the U.S. operations of CN, CP, and GMXT. Source: AAR Rail Time Indicators

U.S. Rail Intermodal Units (6-week moving average)



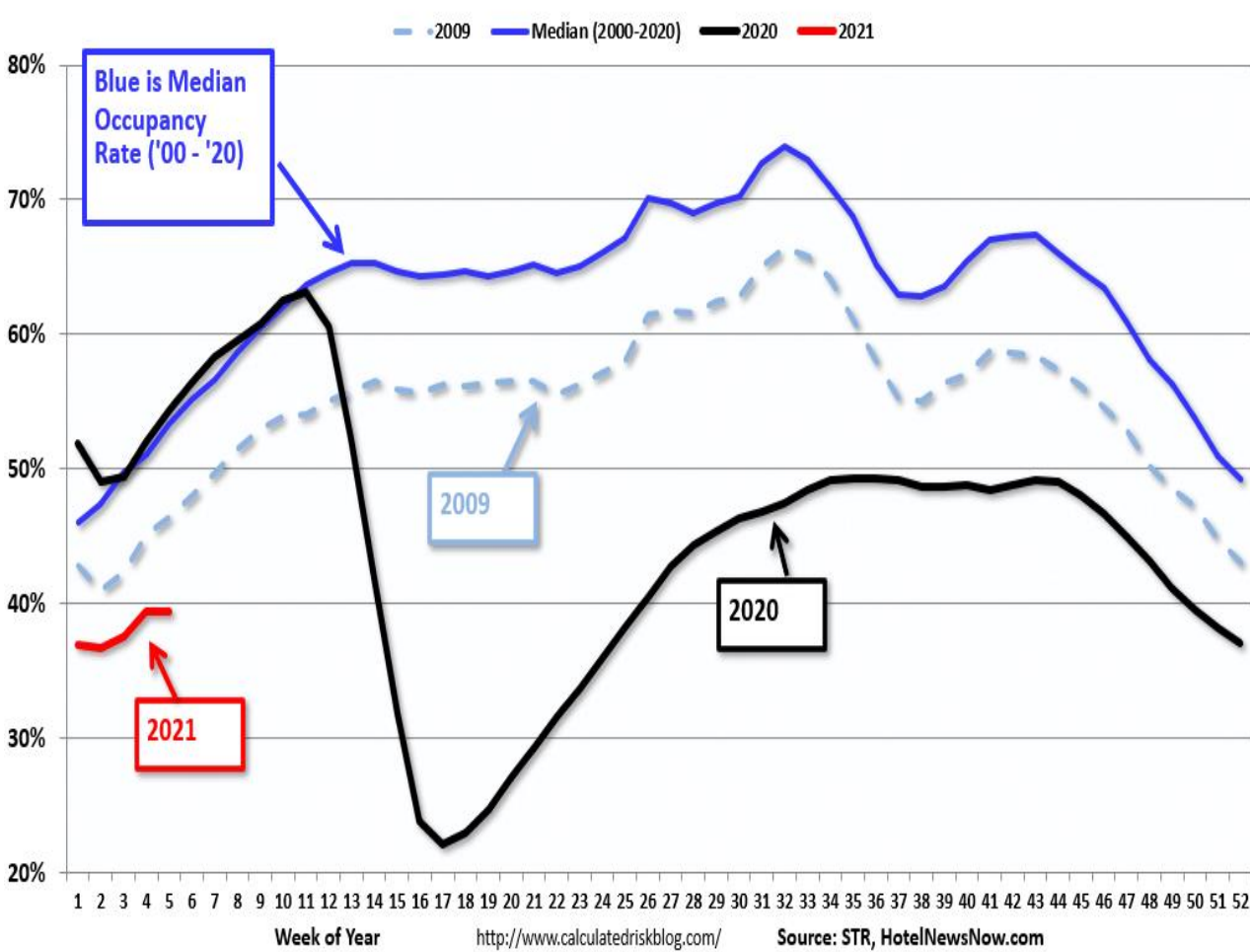
Data are 6-week moving average originations and do not include the U.S. operations of CN, CP, and GMXT. Source: AAR Rail Time Indicators



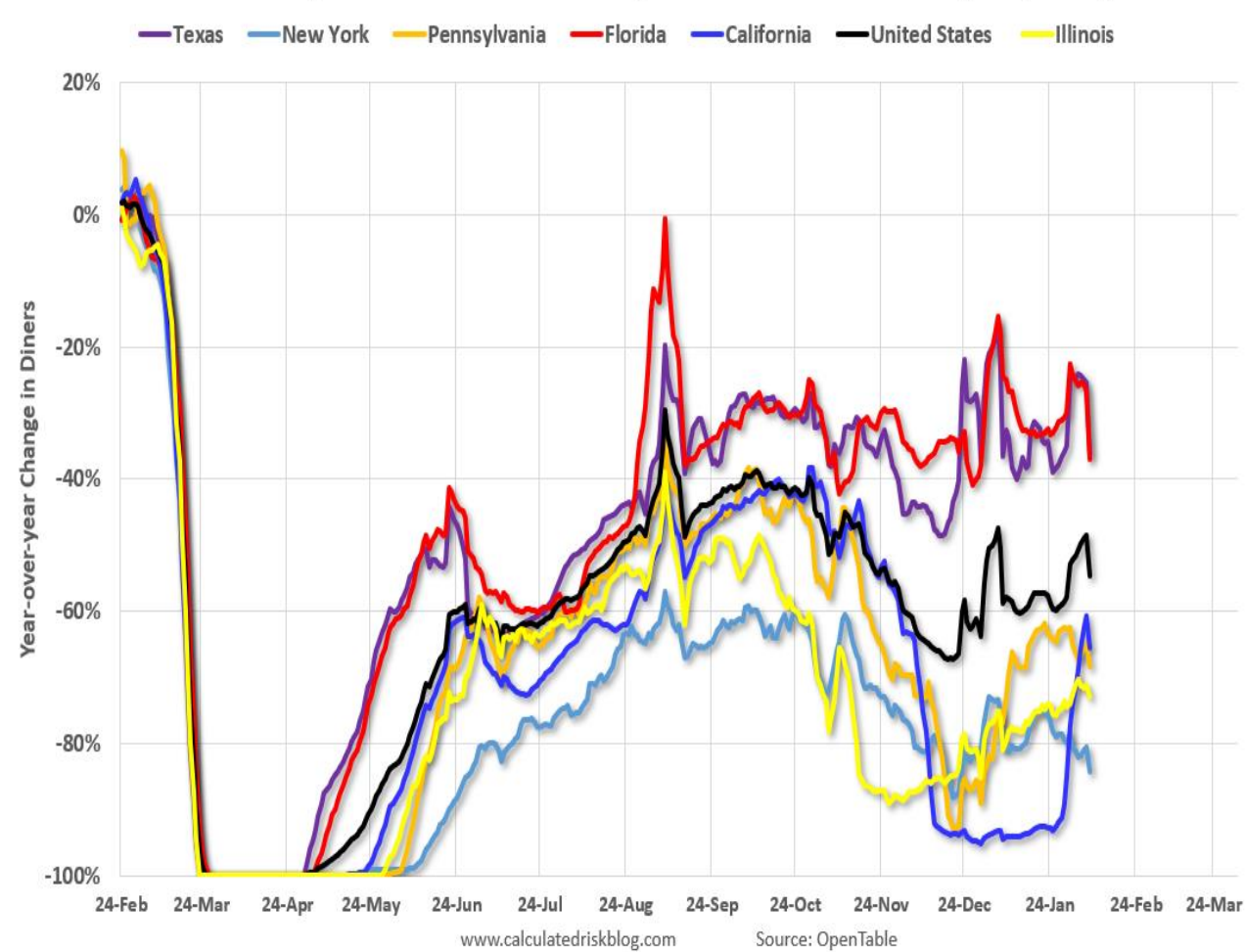
Source: Calculated Risk

Resurgence in COVID-19 Infections Impacting Service-Sector Activity

Hotel Occupancy Rate by Week of Year (4 week moving average)



Year on Year Change in Seated Diners from Online, Phone or Walk-in Reservations, 7 Day Average



Source: Calculated Risk

Office Occupancy Rising in Major Metro Areas, But Still Well Below Pre-Pandemic Levels



KASTLE BACK TO WORK BAROMETER

Weekly Occupancy Report from Kastle Access Control System Data

2.8.21

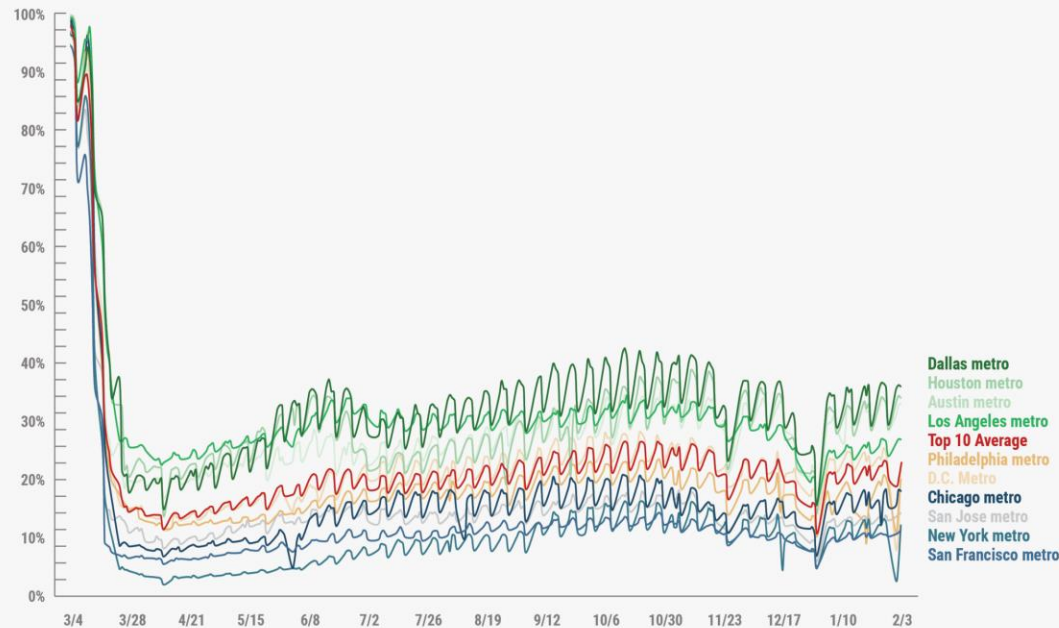


KASTLE BACK TO WORK BAROMETER

Weekly Occupancy Report from Kastle Access Control System Data

2.8.21

OCCUPANCY OVER TIME — MARCH 4 TO FEBRUARY 3



BAROMETER THIS WEEK



	Wed 1/27	Wed 2/3	% Change
Philadelphia metro	26.4%	23.6%	2.8% ▼
San Jose metro	14.2%	15.4%	1.2% ▲
New York metro	14.4%	13.3%	1.1% ▼
Austin metro	34.8%	34.0%	0.8% ▼
San Francisco metro	11.7%	12.5%	0.8% ▲
Washington D.C. metro	21.7%	21.0%	0.7% ▼
Dallas metro	37.3%	36.8%	0.5% ▼
Chicago metro	18.6%	19.1%	0.5% ▲
Average of 10	24.2%	23.8%	0.3% ▼
Houston metro	34.7%	34.9%	0.1% ▲
Los Angeles metro	27.8%	27.8%	0.0% ▲

Kastle customers are in 2,681 buildings in 138 cities. The Barometer reflects daily swipes of Kastle access controls from the top 10 cities. It summarizes recent weekday building access activity among our business partners, not a national statistical sample.

To learn more about KastleSafeSpaces visit: www.kastle.com/kastlesafespaces/



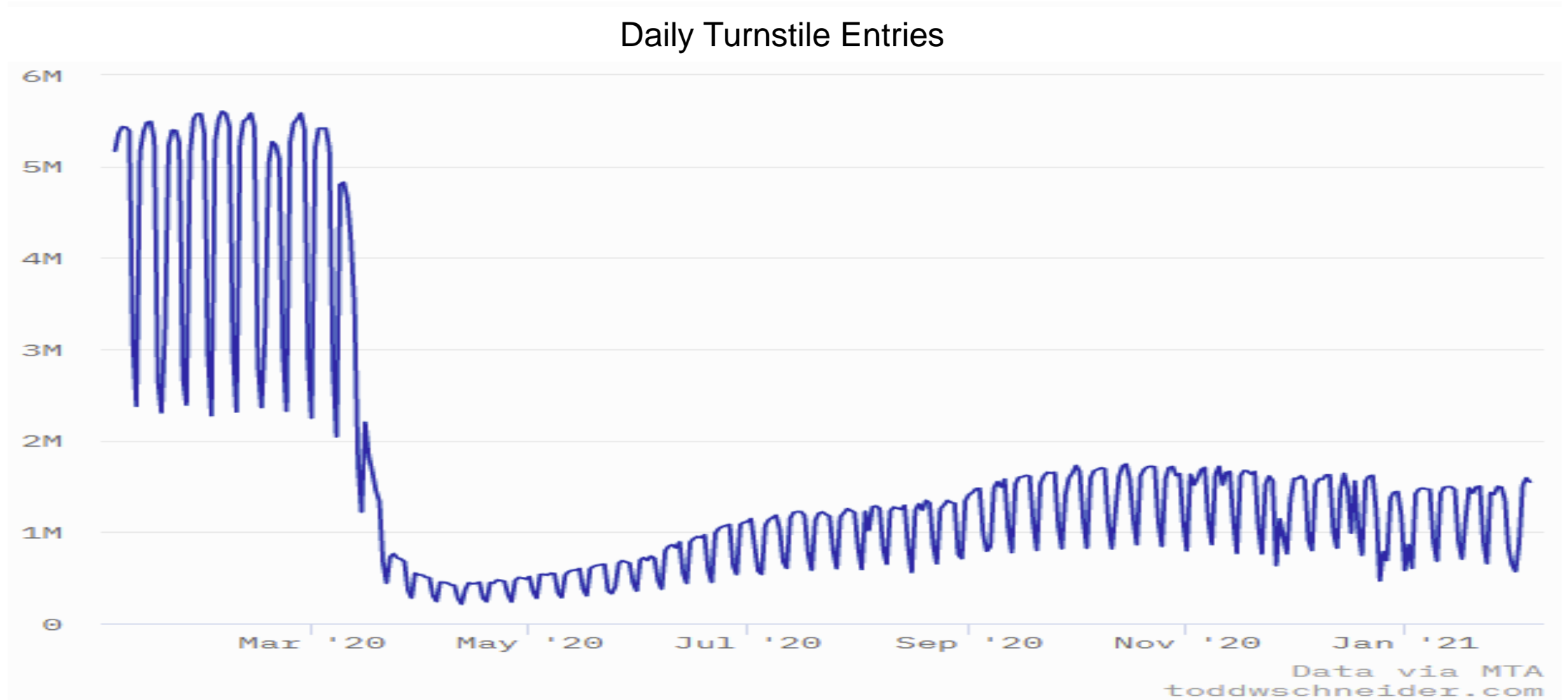
To learn more about KastleSafeSpaces visit: www.kastle.com/kastlesafespaces/



Source: Kastle Systems

FHLB NY

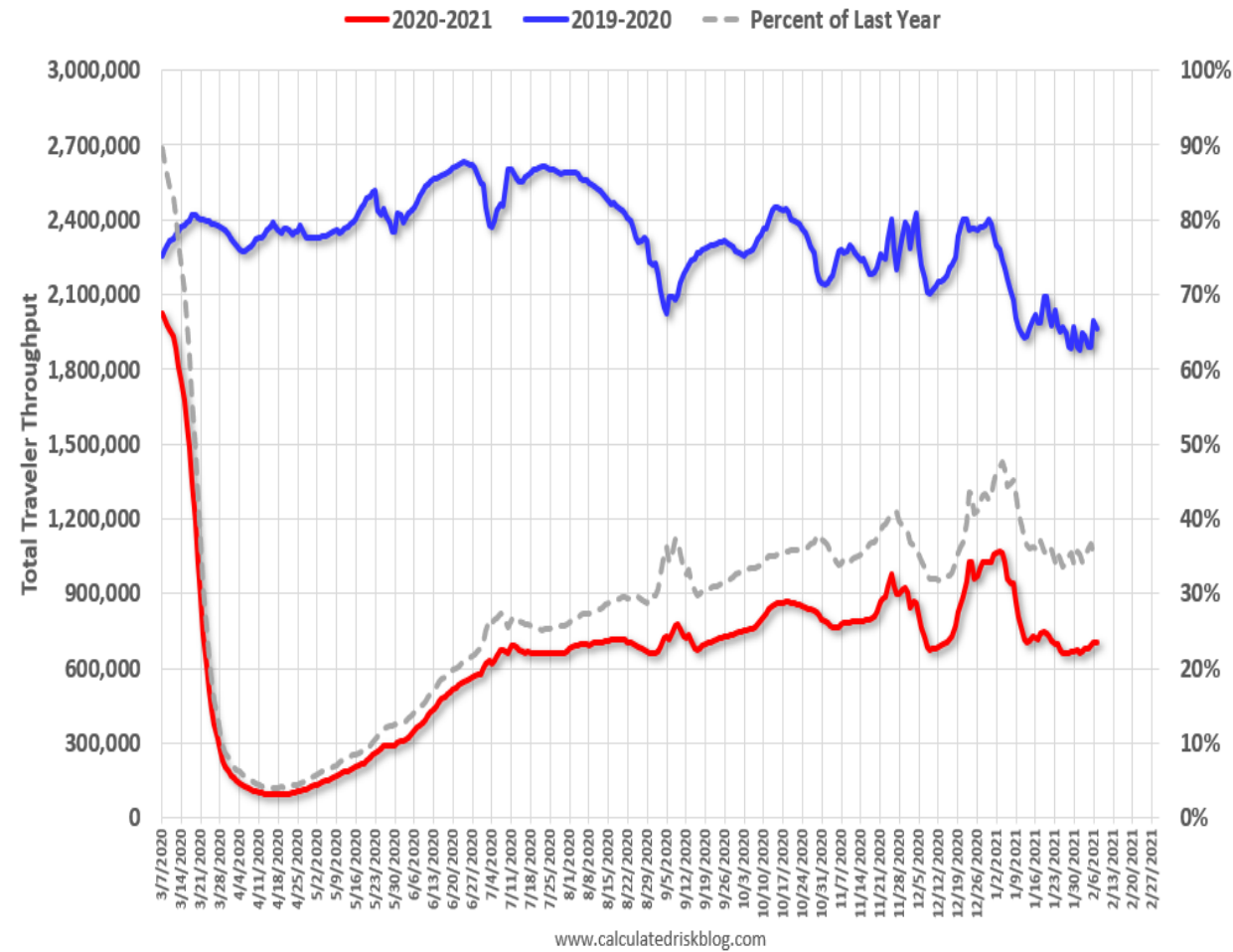
With Less Than 15% of Workers Back in the Office, Subway Usage Well Below Normal



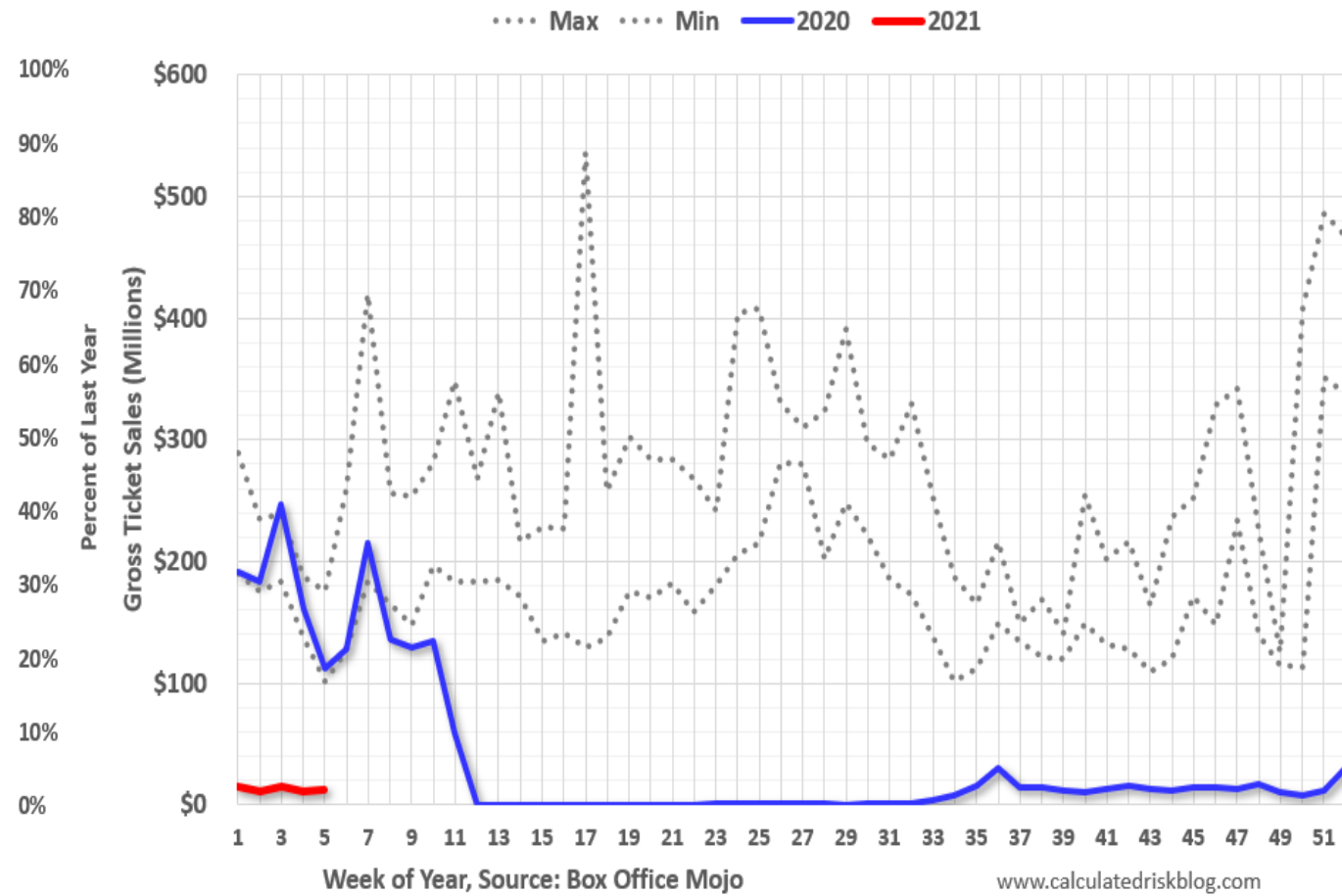
Source: Calculated Risk

Other Service-Producing Segments Continue to Struggle

TSA checkpoint travel numbers, 7 Day Average and Percent of Last Year



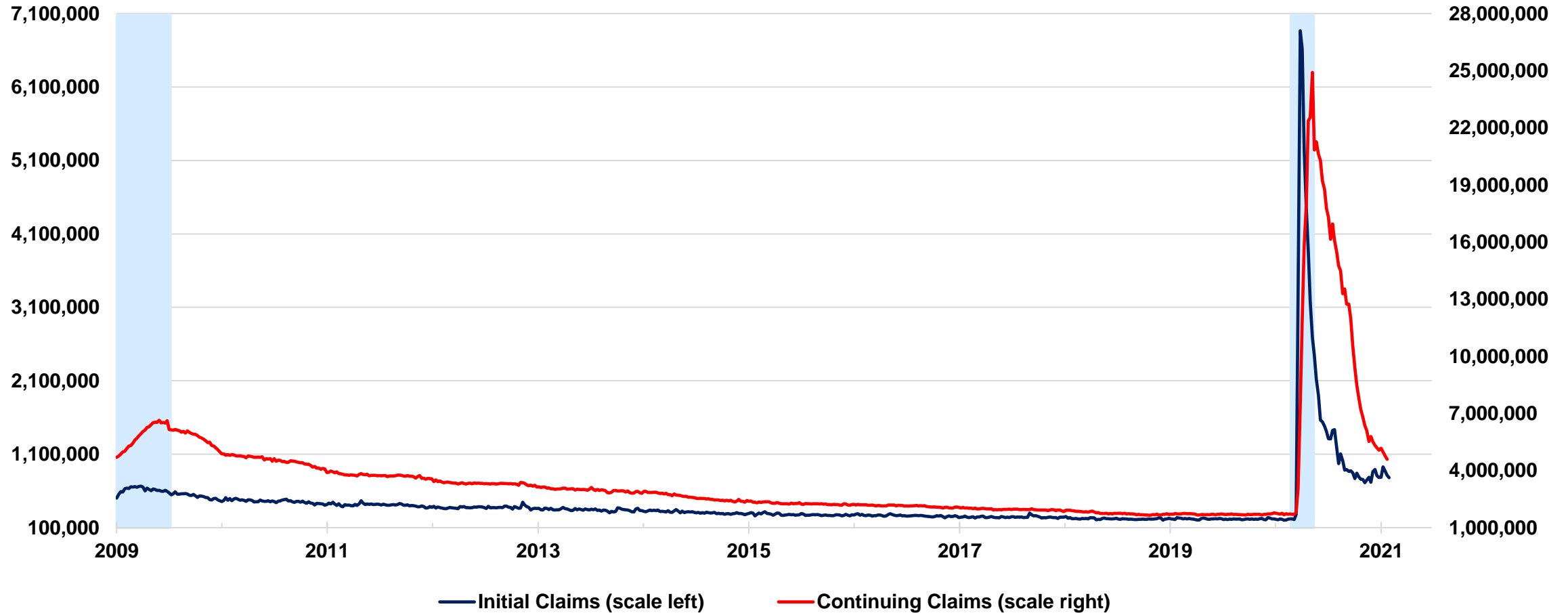
Gross Movie Sales Weekly, Max and Min for 2016 - 2019



Source: Calculated Risk

Labor Market Conditions Will Remain Challenging for the Foreseeable Future

Jobless Claims Remain Well Above Pre-Pandemic Levels

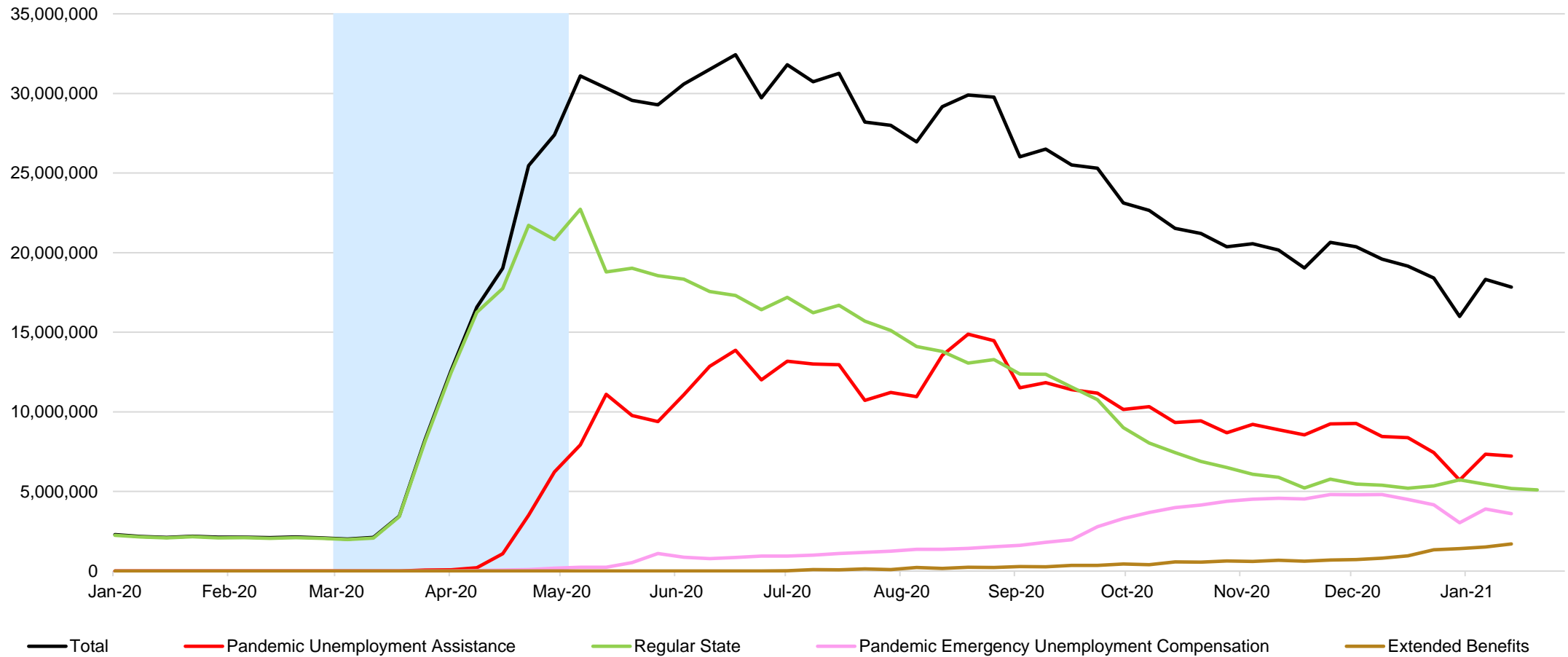


Note: Shaded areas denote recessions. Source: U.S. Department of Labor



Roughly 11% of the Civilian Labor Force Receiving Assistance

Unemployment Assistance Recipients Under Various Programs

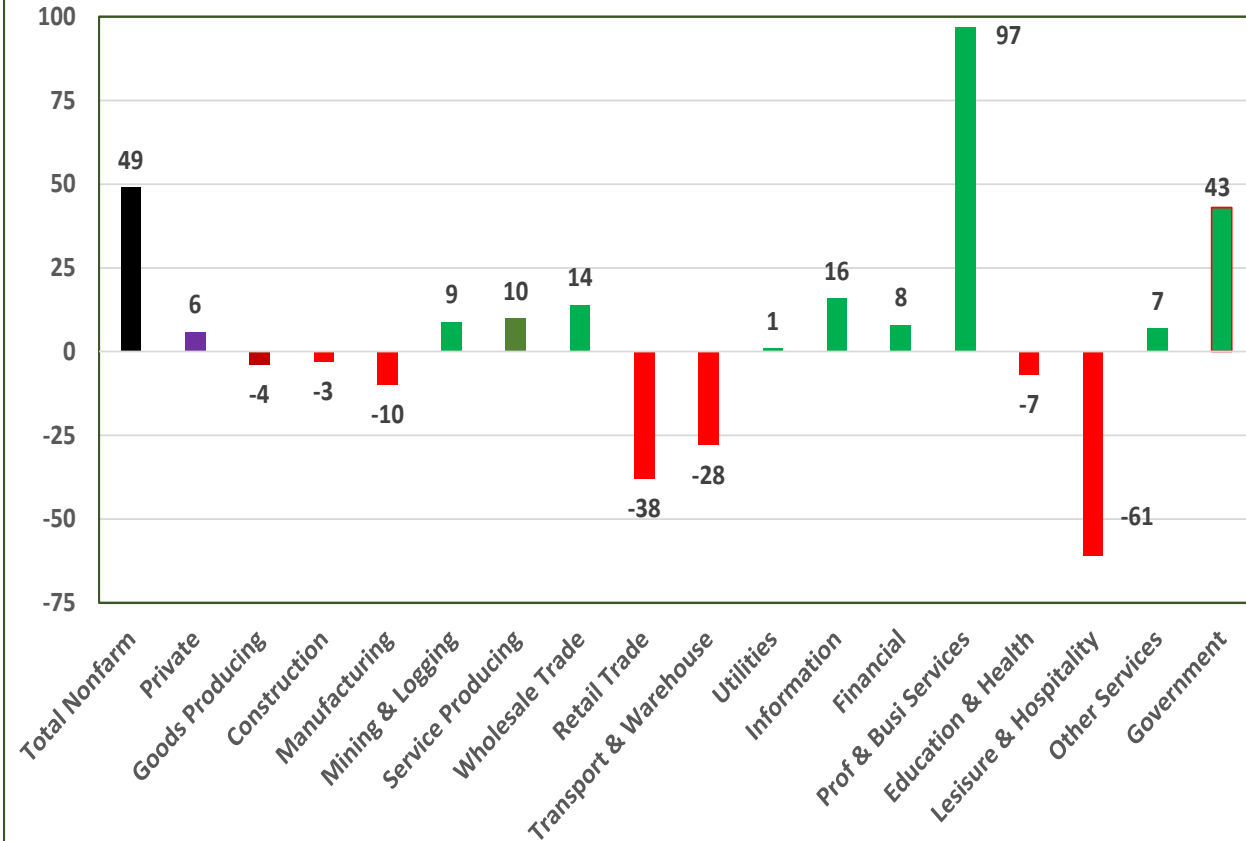


Note: Shaded area denote recession. Source: U.S. Department of Labor

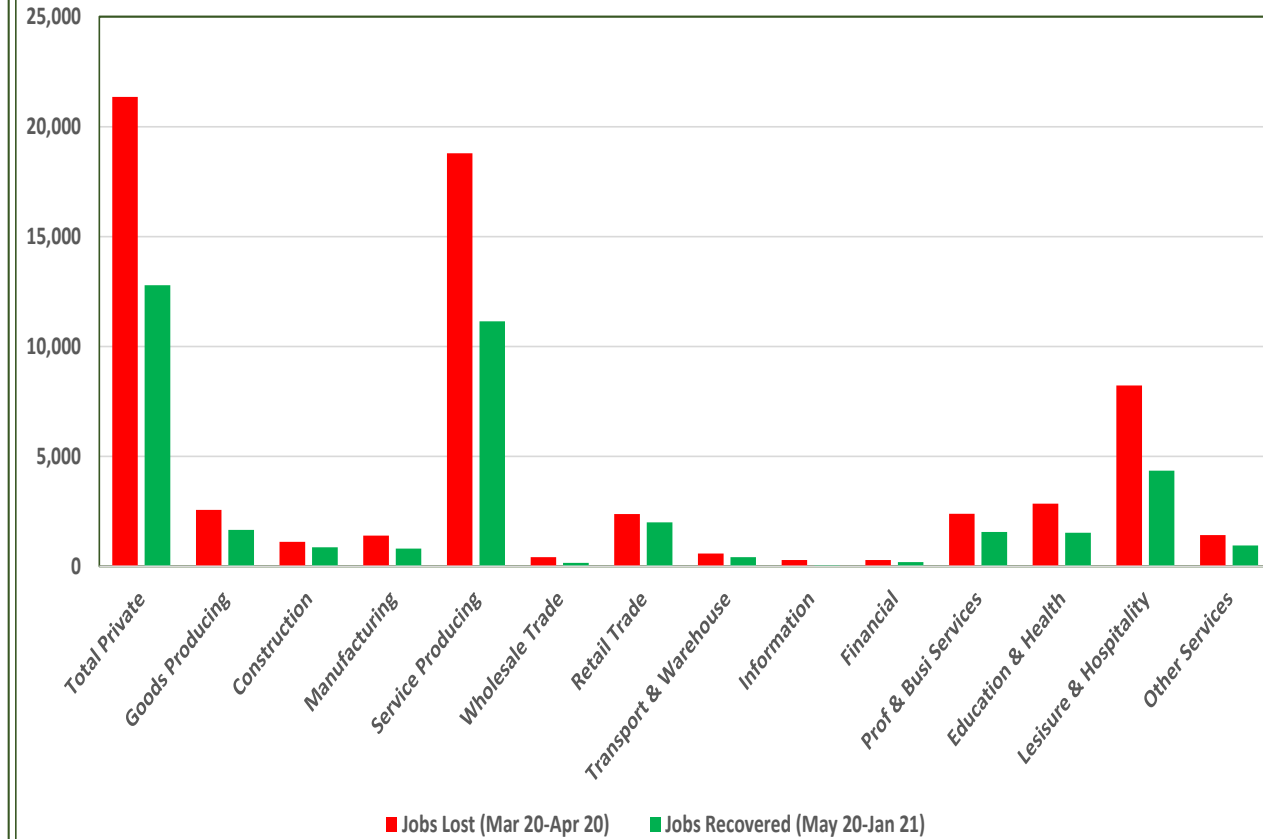


Nonfarm Payrolls Rose Modestly in January; 59.9% of Private Jobs Lost Have Been Recovered

January Changes in Nonfarm Payrolls
(thousands, seasonally adjusted)

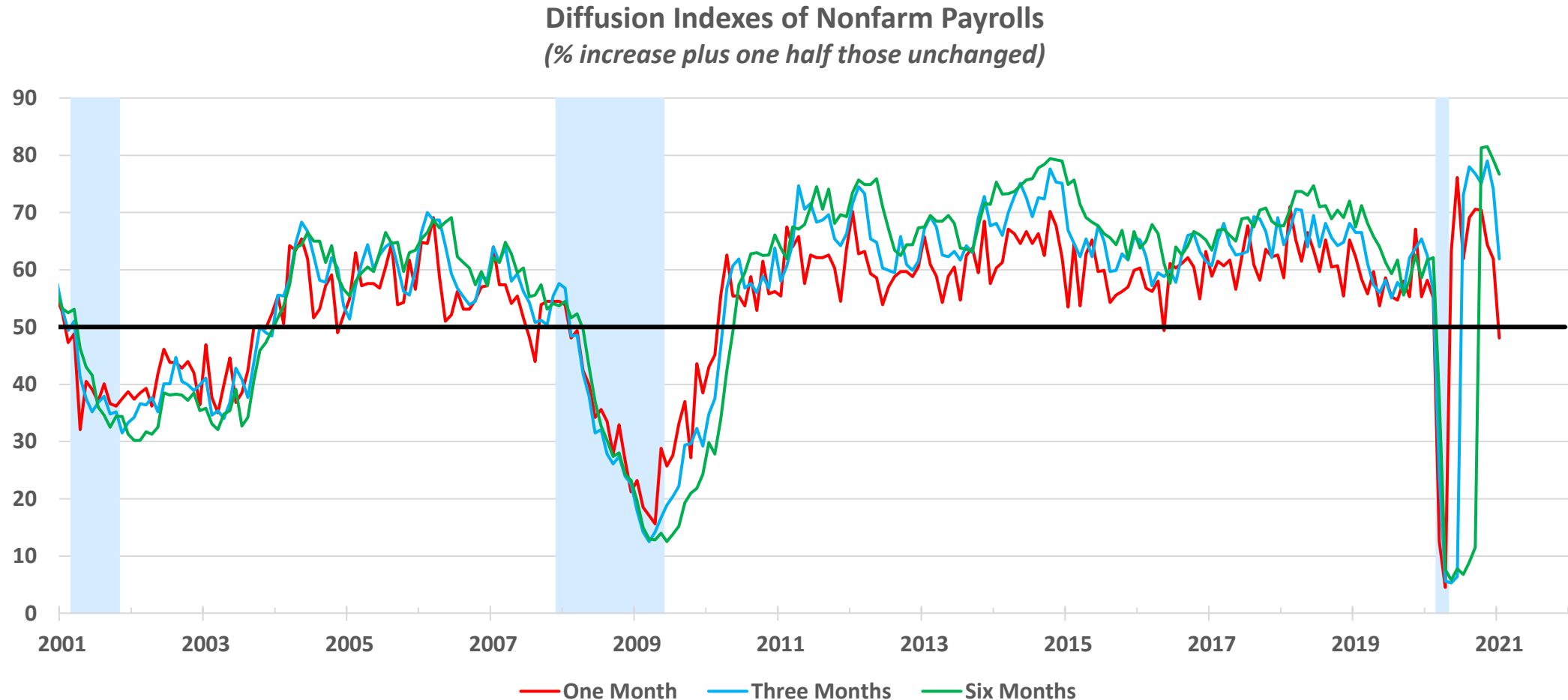


Still a Considerable Way to Go to Recover COVID-19 Job Losses
(thousands, seasonally adjusted)



Source: Bureau of Labor Statistics

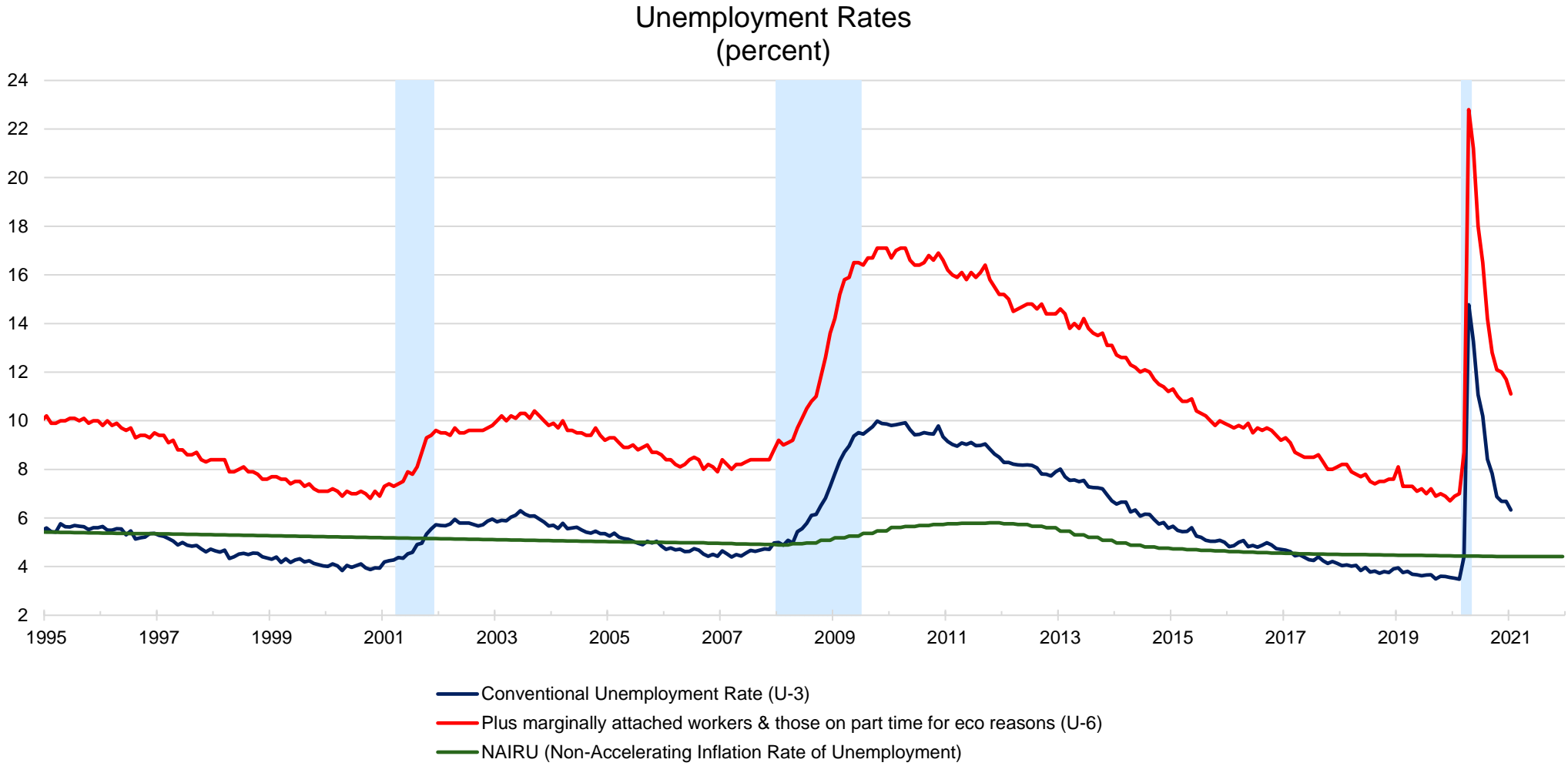
Hiring Breadth Gauges Retreated Across the Board in January



Note: Shaded areas denote recessions. Source: Bureau of Labor Statistics



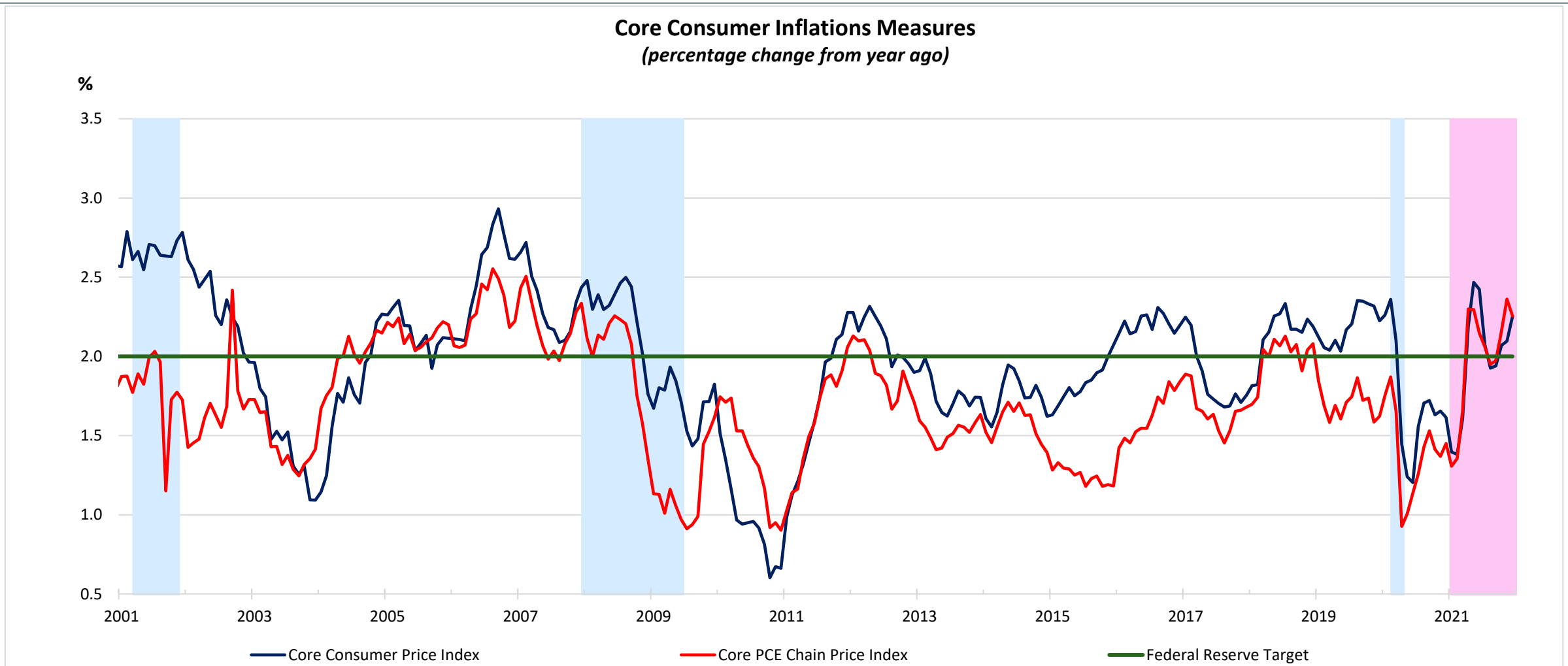
Unemployment Measures Remained Elevated at Beginning of New Year



Note: Shaded areas denote recessions. Source: Bureau of Labor Statistics



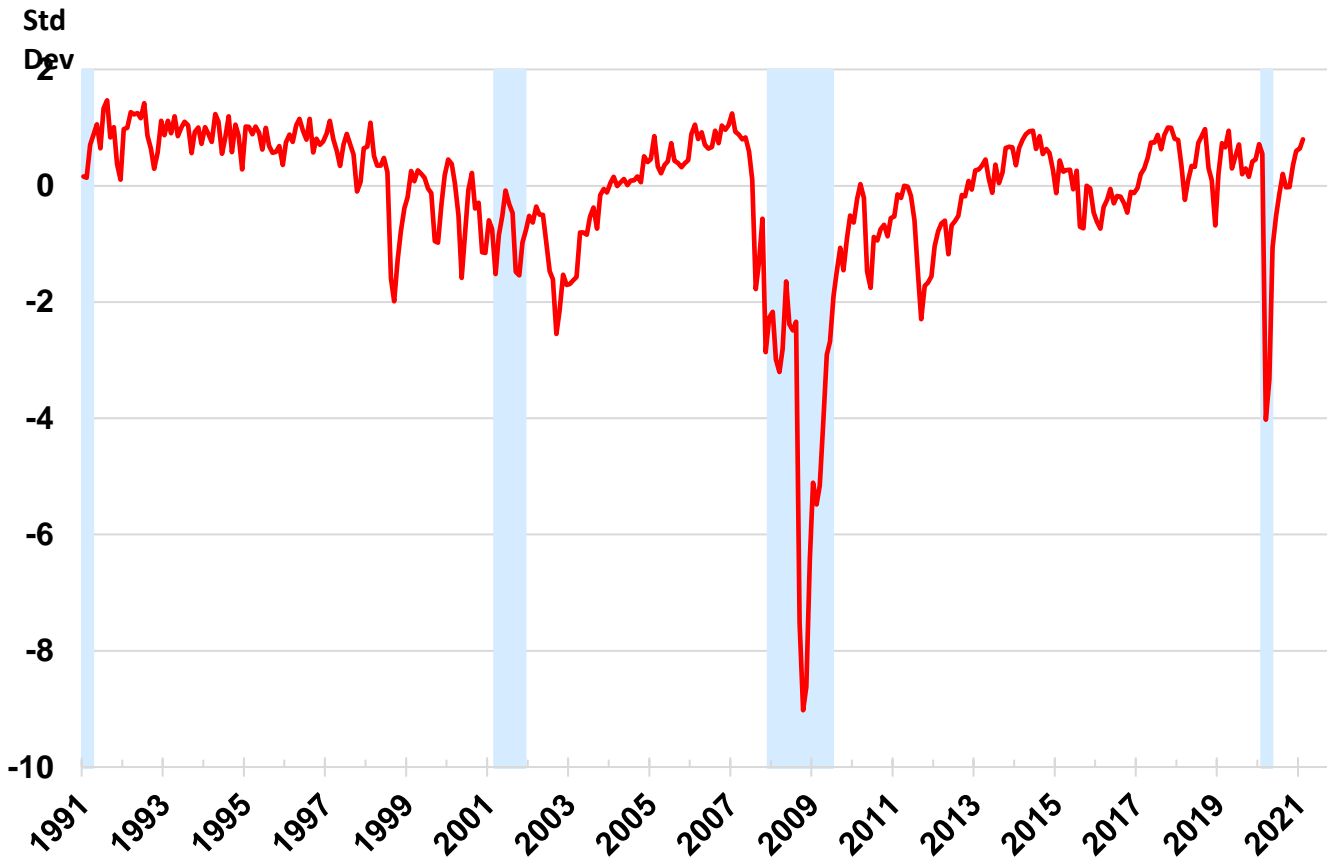
Core Consumer Inflation Gauges Likely Will Remain Below Fed Target Until the Spring



Notes: Light blue shaded areas denote recessions. Pink shaded area denotes projections. Sources: Bureau of Labor Statistics and FHLBNY

Financial Conditions Have Returned to Pre-Pandemic Levels

Bloomberg U.S. Financial Conditions Index

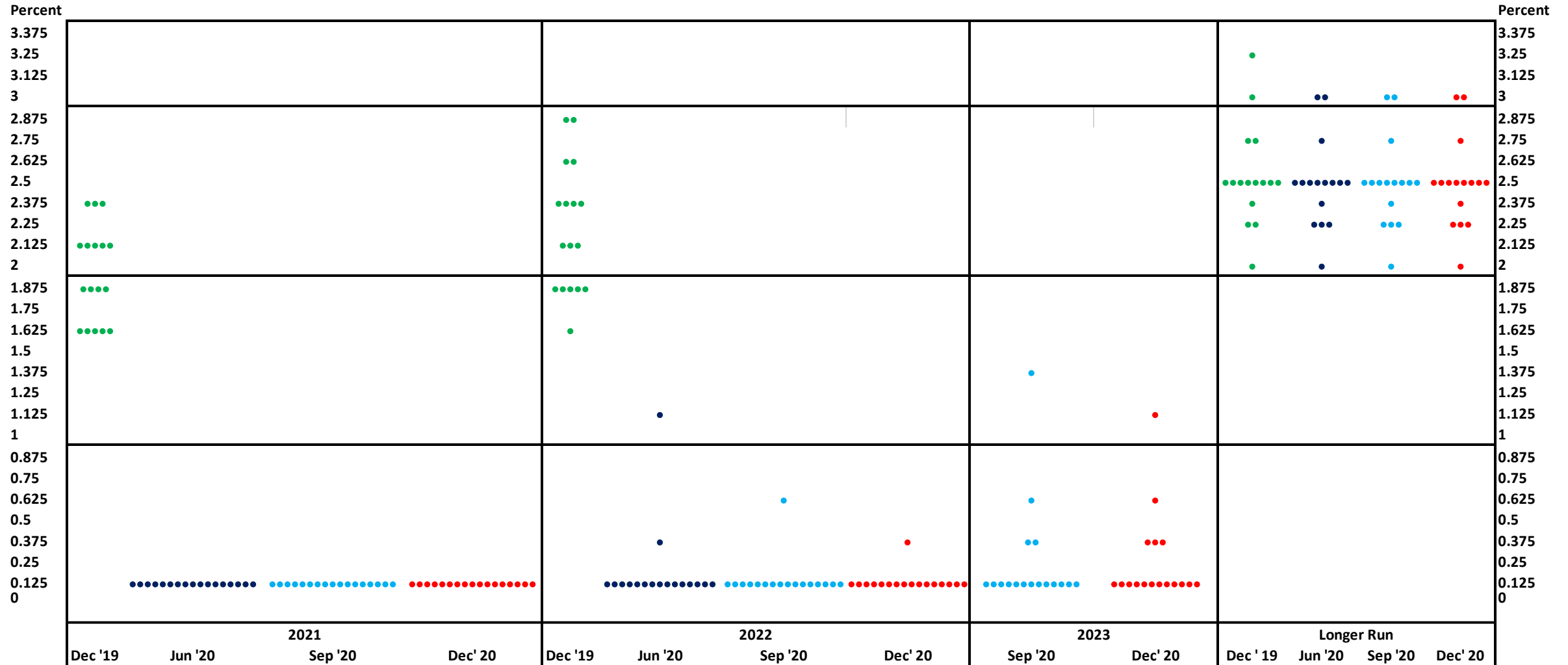


	24-Mar-20	10-Feb-21	Change
US Financial Conditions	-6.34	0.80	7.13
Money Market Spreads:			
TED Spread	127.05	16.98	-110.07
Libor/OIS Spread	112.05	13.11	-98.94
Com Paper/T-Bill Spread	205.64	9.20	-196.44
Bond Market Spreads:			
Baa/10-Yr Treasury Spread	456.37	98.71	-357.66
High-Yield/10-Yr Treas Spread	11.00	3.28	-7.72
Muni/10-Yr Spread	235.89	-44.14	-280.03
Swaption Volatility Index	118.27	63.78	-54.49
Equity Market:			
S&P 500	2447.33	3903.24	1455.91
VIX S&P Volatility Index	61.67	22.68	-38.99



Note: Shaded areas denote recessions. Source: Bloomberg

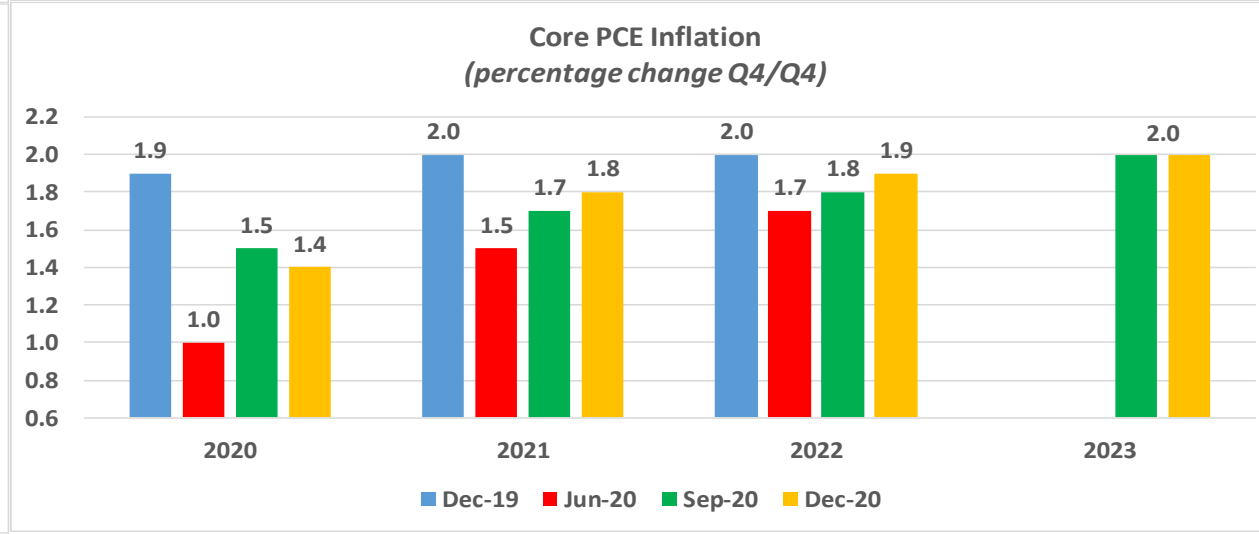
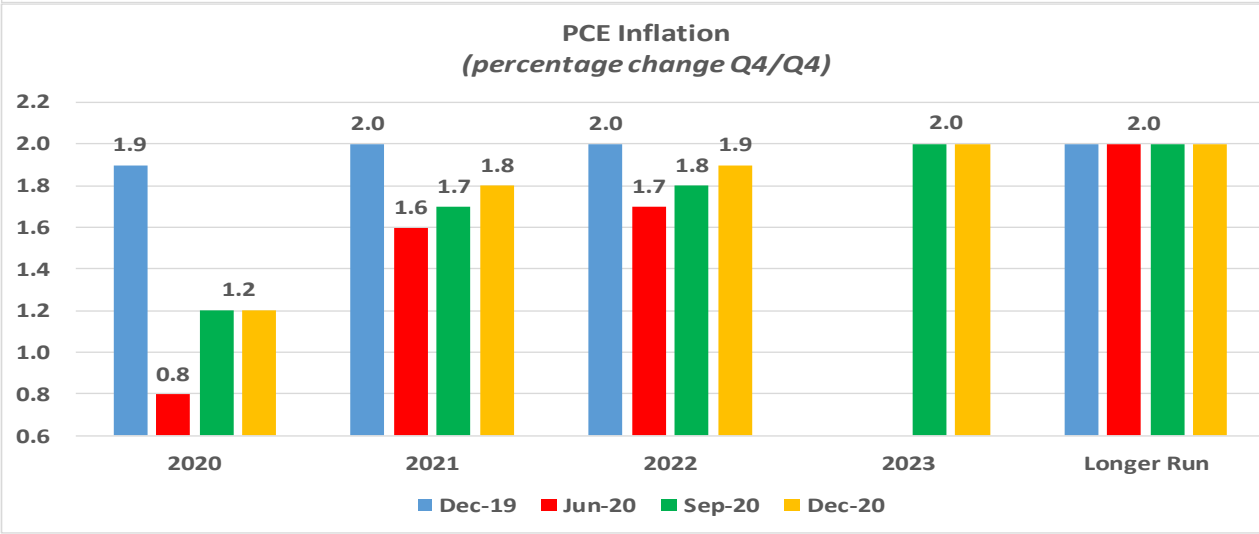
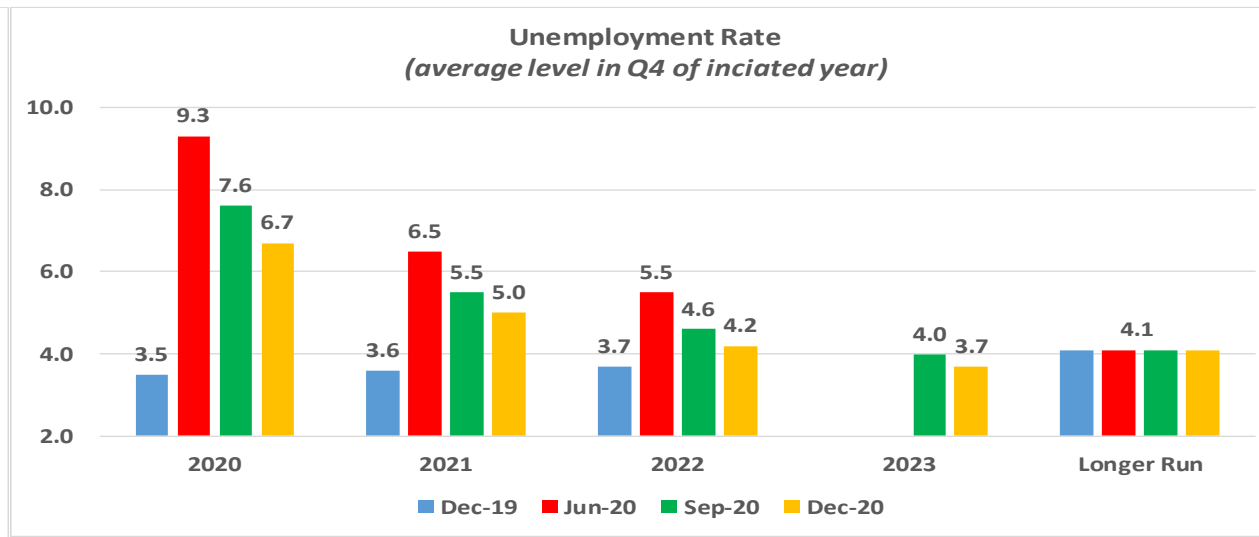
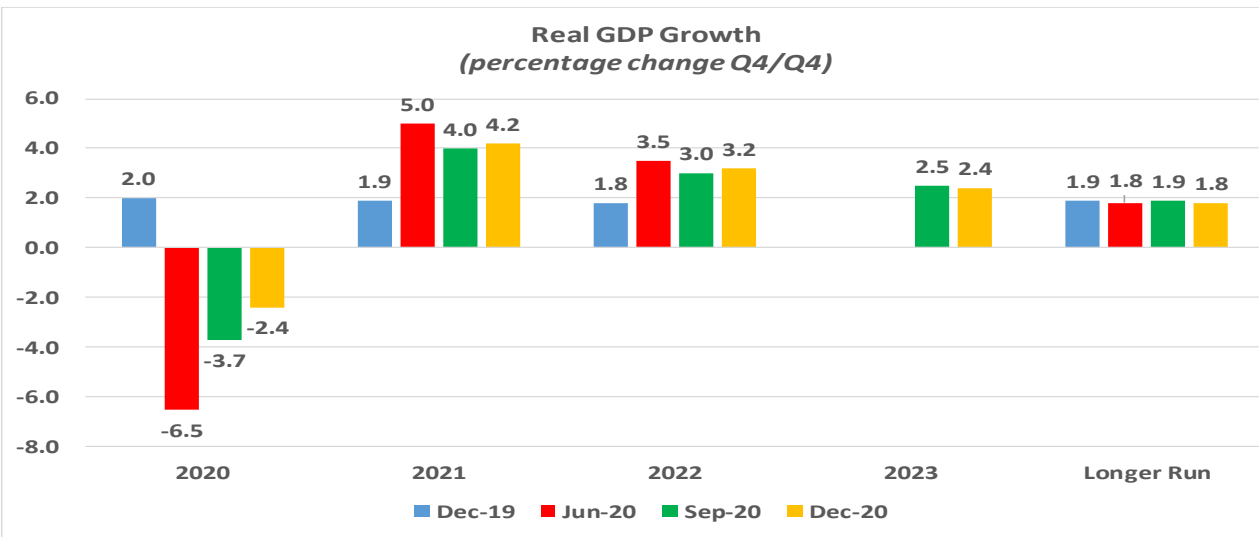
Fed Officials Expect No Change in Fed Funds Target Range Over Next Three Years



Source: Federal Reserve Board



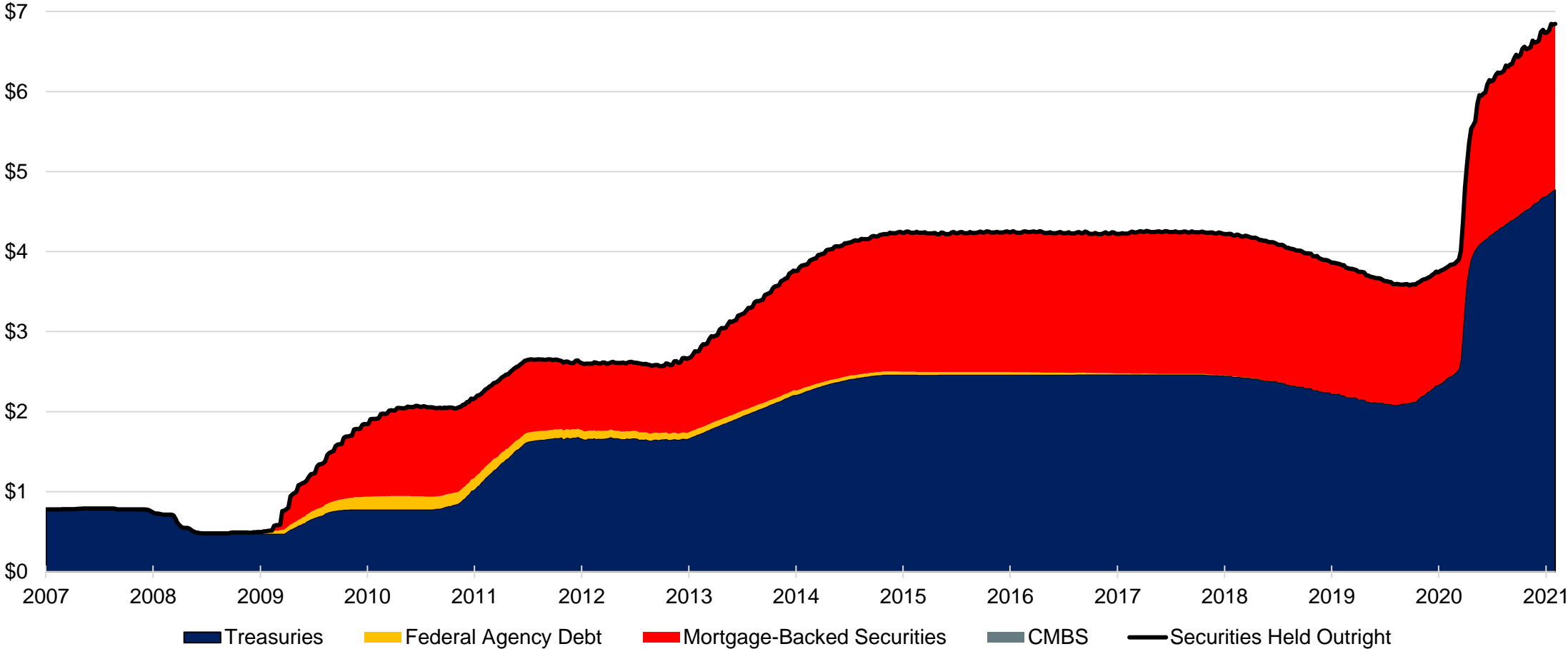
Policymakers Revised Forecasts at December FOMC Meeting



Source: Federal Reserve Board

Fed Securities Holdings Stand \$2.9 Trillion Above Their Pre-COVID-19 Level

Securities Held Outright by the Federal Reserve
(trillions of dollars)



Source: Federal Reserve Board

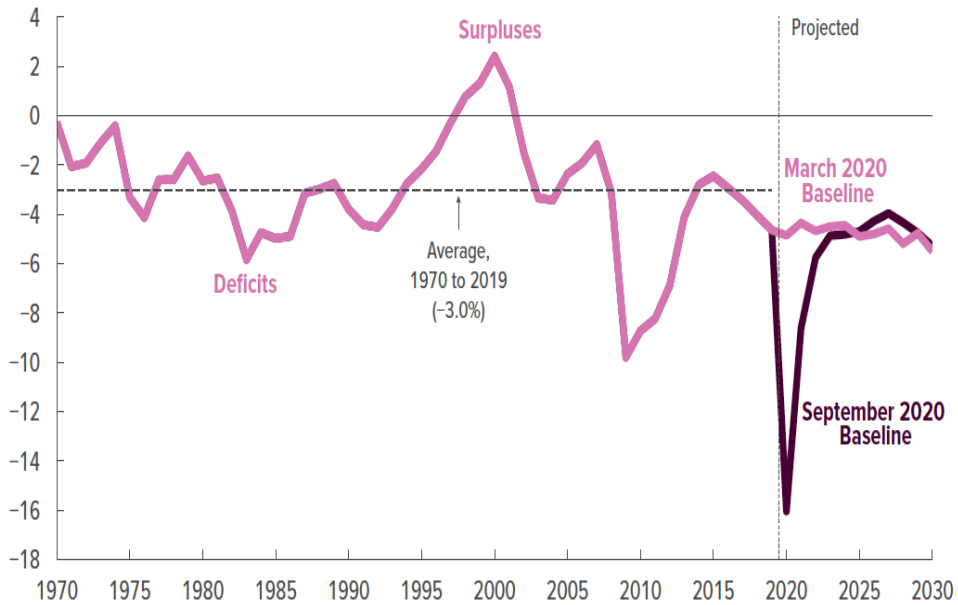


Massive Federal Deficits in the Wake of the COVID-19 Outbreak Will Require Record Treasury Debt Issuance

Figure 1.

Deficits in CBO's September 2020 Baseline Versus Its March 2020 Baseline

Percentage of Gross Domestic Product



The deficit in 2020 will be the largest since 1945 as a percentage of GDP. Under current law, it is projected to shrink over the following few years, eventually returning to levels similar to those CBO projected before the coronavirus pandemic. Nevertheless, annual deficits would exceed their 50-year average throughout the 2021–2030 period.

Source: Congressional Budget Office.

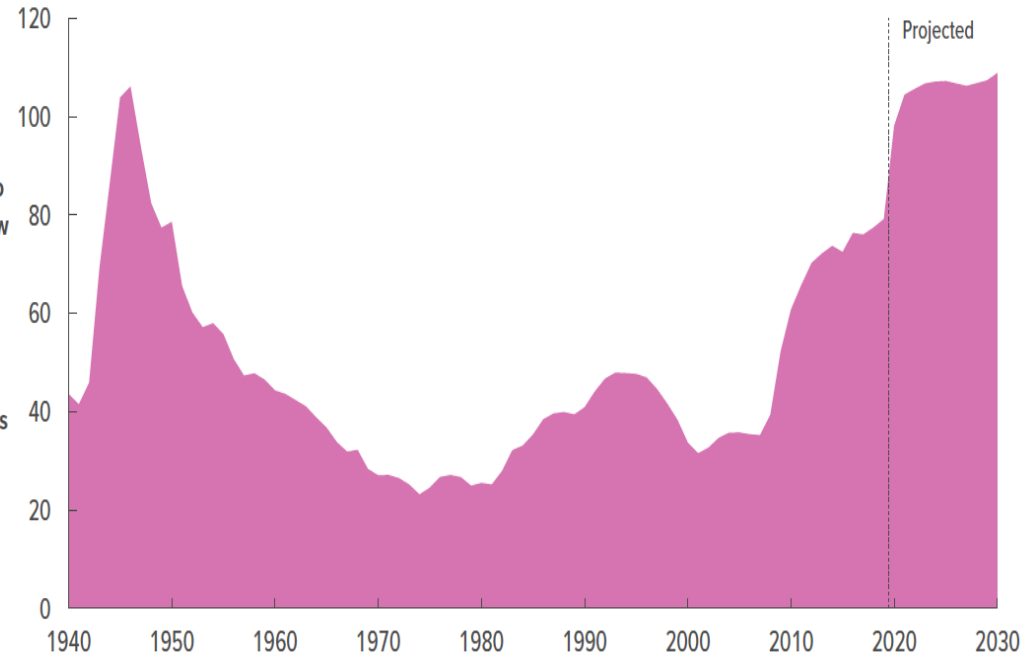
When October 1 (the first day of the fiscal year) falls on a weekend, certain payments that would ordinarily have been made on that day are instead made at the end of September and thus are shifted into the previous fiscal year. All projections presented here have been adjusted to exclude the effects of those timing shifts. Historical amounts have been adjusted as far back as the available data will allow.

GDP = gross domestic product.

Figure 3.

Federal Debt Held by the Public

Percentage of Gross Domestic Product

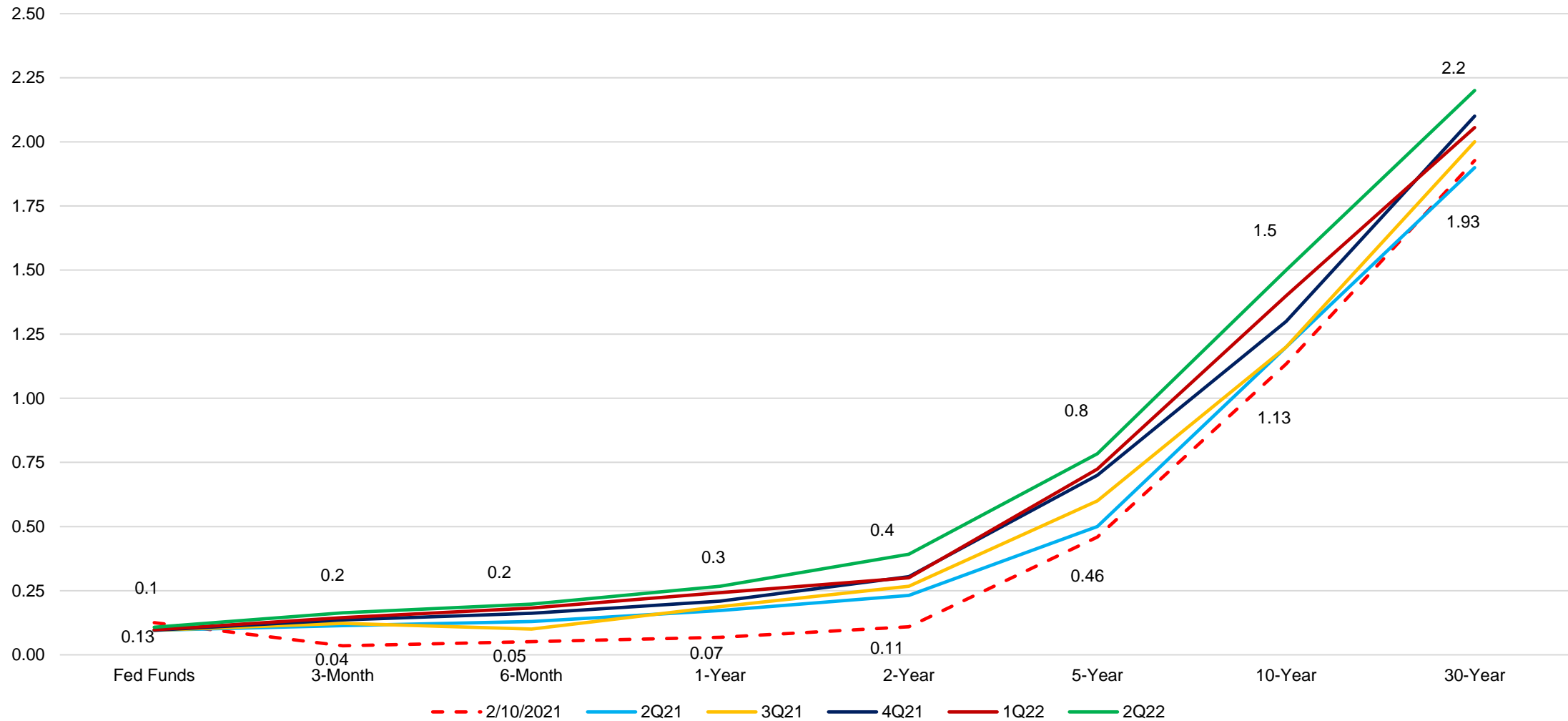


Federal debt has increased sharply this year and is projected to increase in most years over the coming decade. Beginning in 2023, debt would be higher than at any other time in the nation's history.

Source: Congressional Budget Office.



Consensus Projections Call for Steady Rise in Treasury Rates Through Spring of 2022

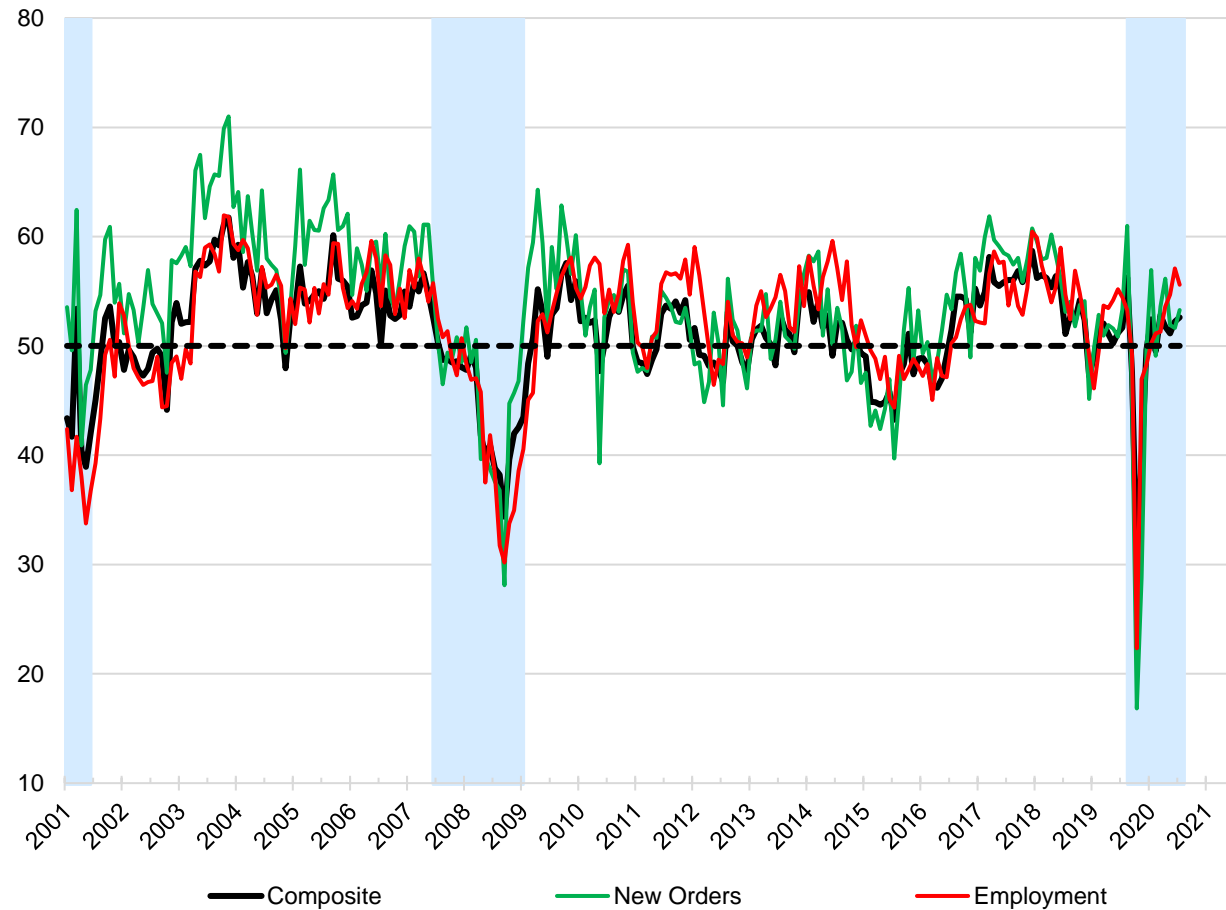


Sources: Bloomberg, Blue Chip Consensus

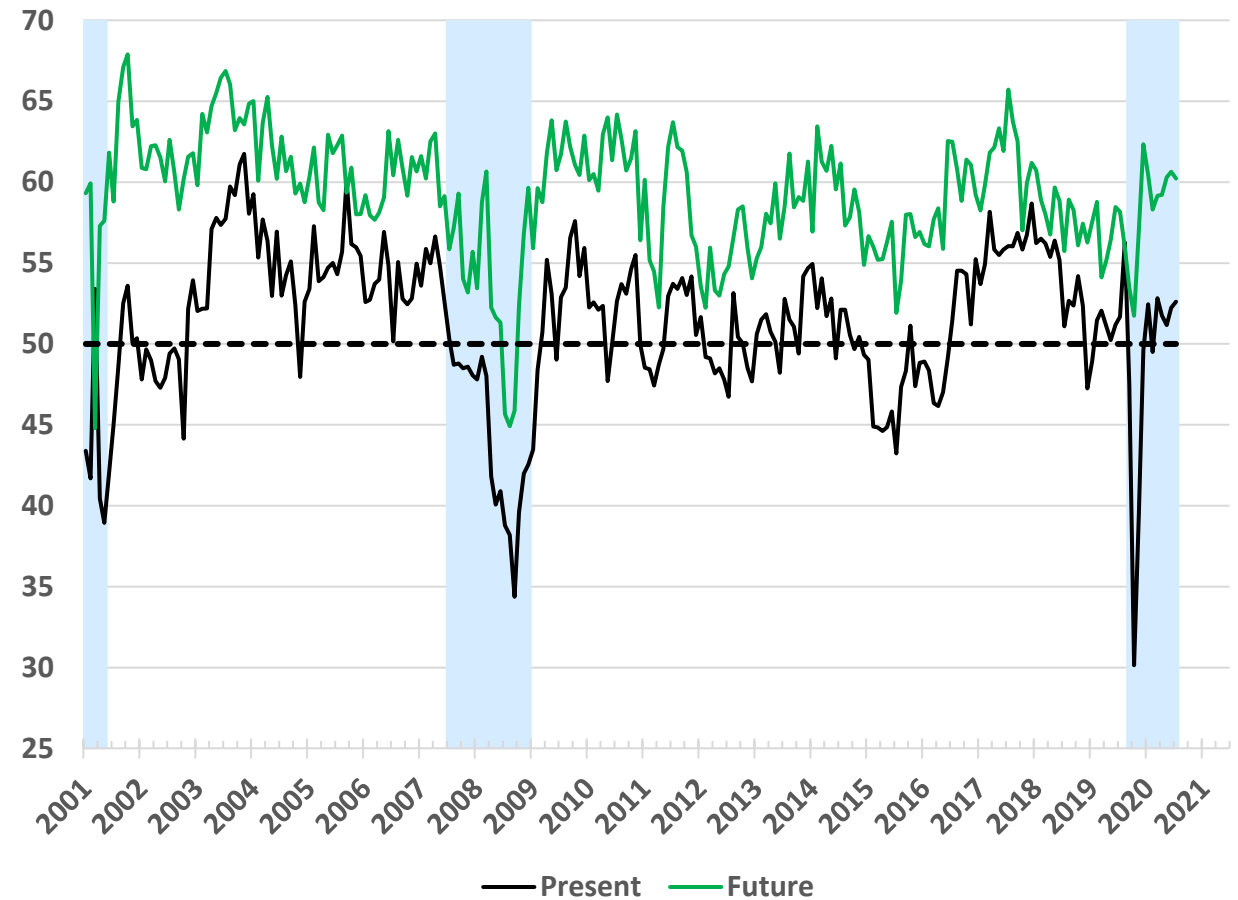


NY Factory Activity Rose Modestly in January; Firms More Hopeful About the Future

Empire State Manufacturing Survey
(diffusion indexes, 50 = no change from prior month)



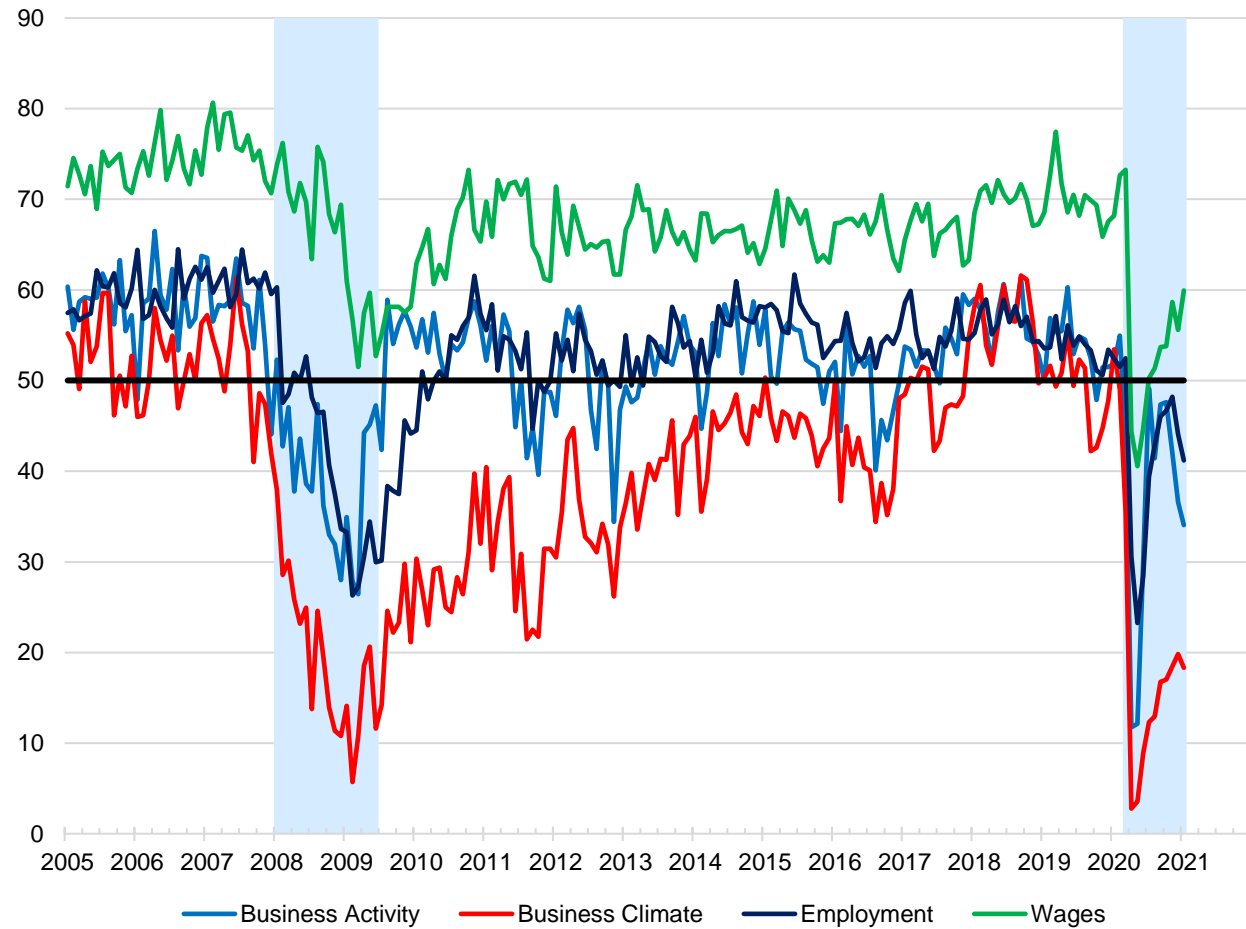
Empire State Manufacturing Composite Indexes
(diffusion indexes, 50 = no change from prior month)



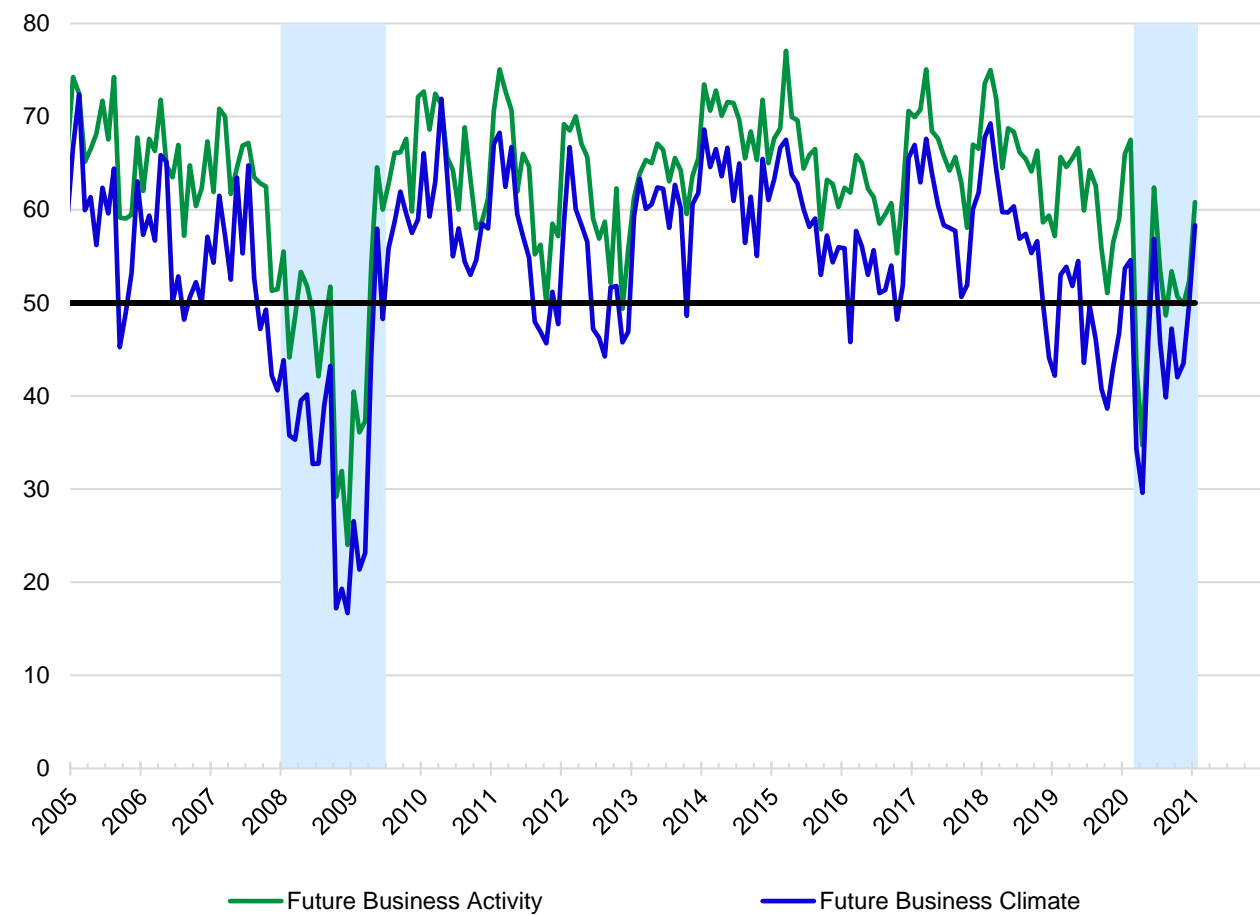
Note: Shaded areas denote recessions. Sources: Federal Reserve Bank of New York, FHLBNY estimates

Local Service-Producing Activity Weakened, Yet Firms More Optimistic About the Future

New York Fed Business Leaders Survey
(diffusion indexes, 50 = no change from prior month)



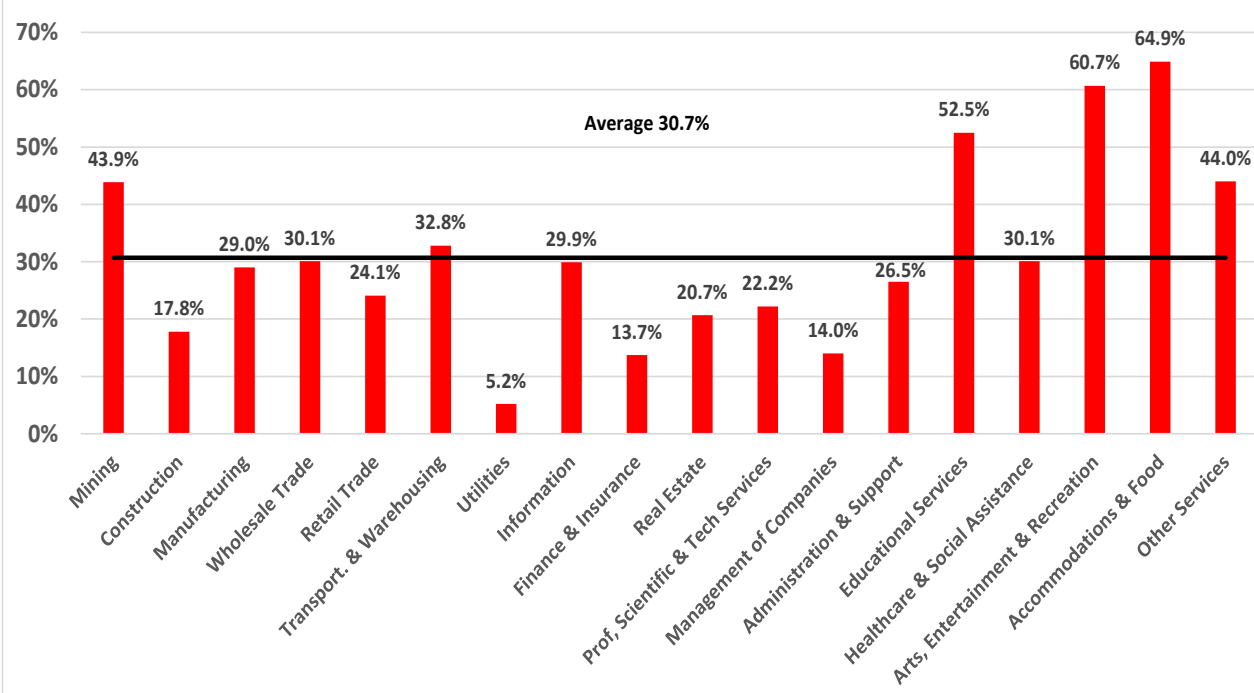
New York Fed Business Leaders Survey
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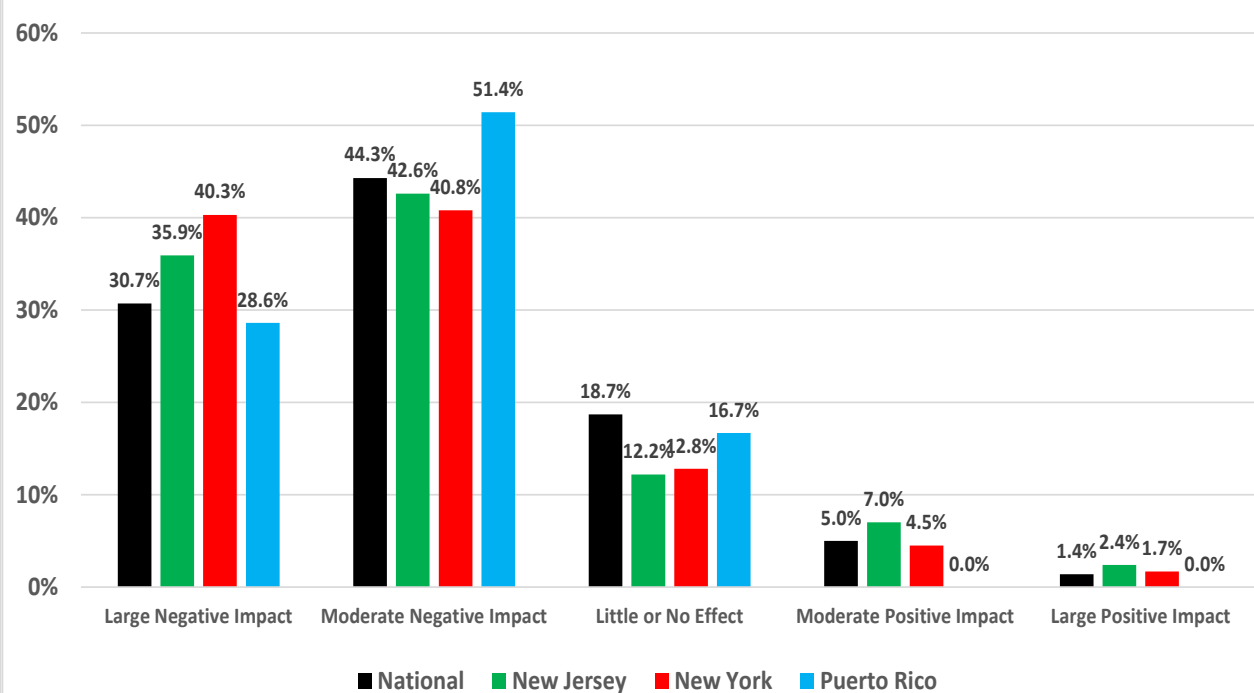
Note: Shaded areas denote recession. Sources: Federal Reserve Bank of New York, FHLBNY estimates

Small Business in the FHLB NY District Have Suffered More Than Others Amidst Healthcare Crisis

Firms Experiencing a Large Negative Impact From COVID-19 By Industry

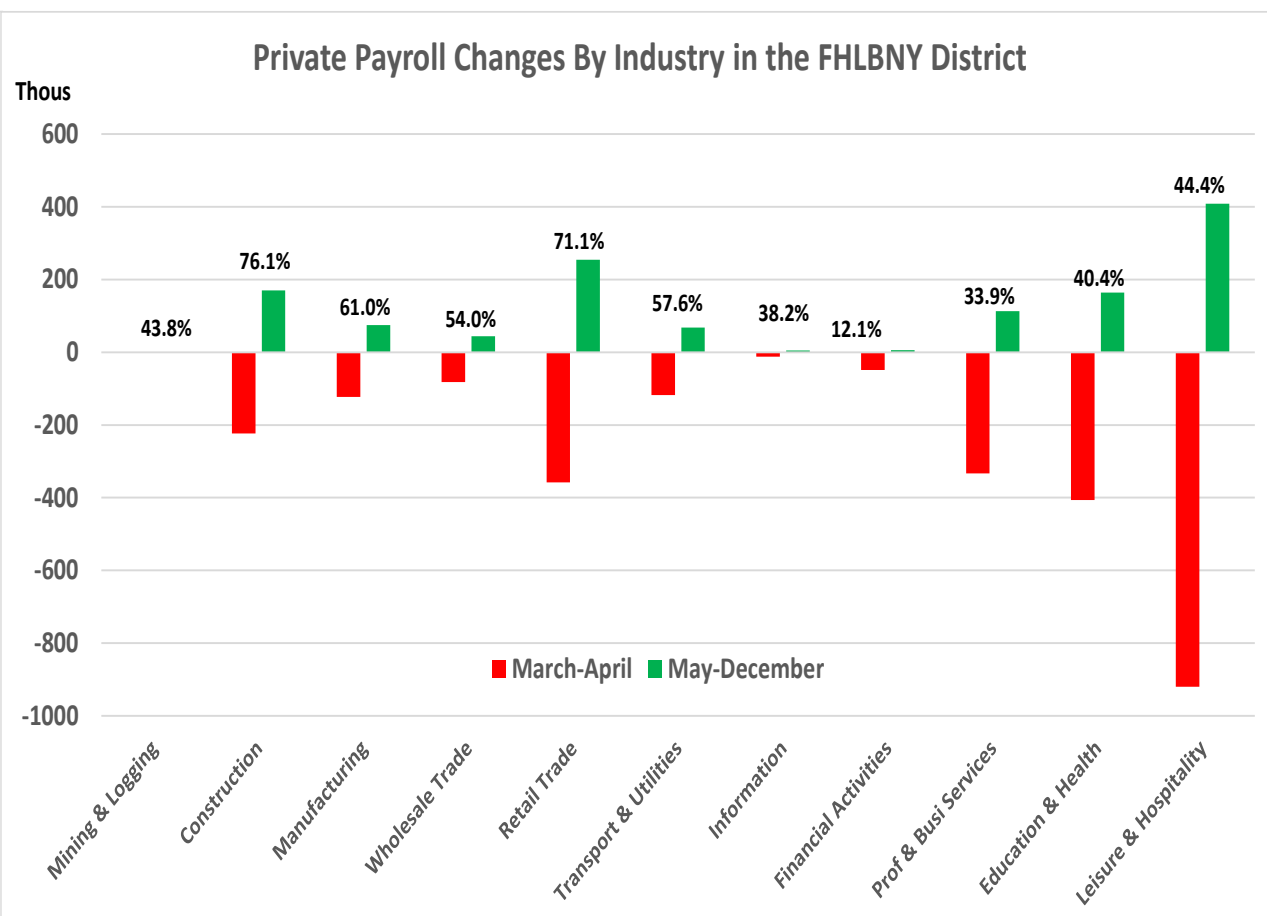
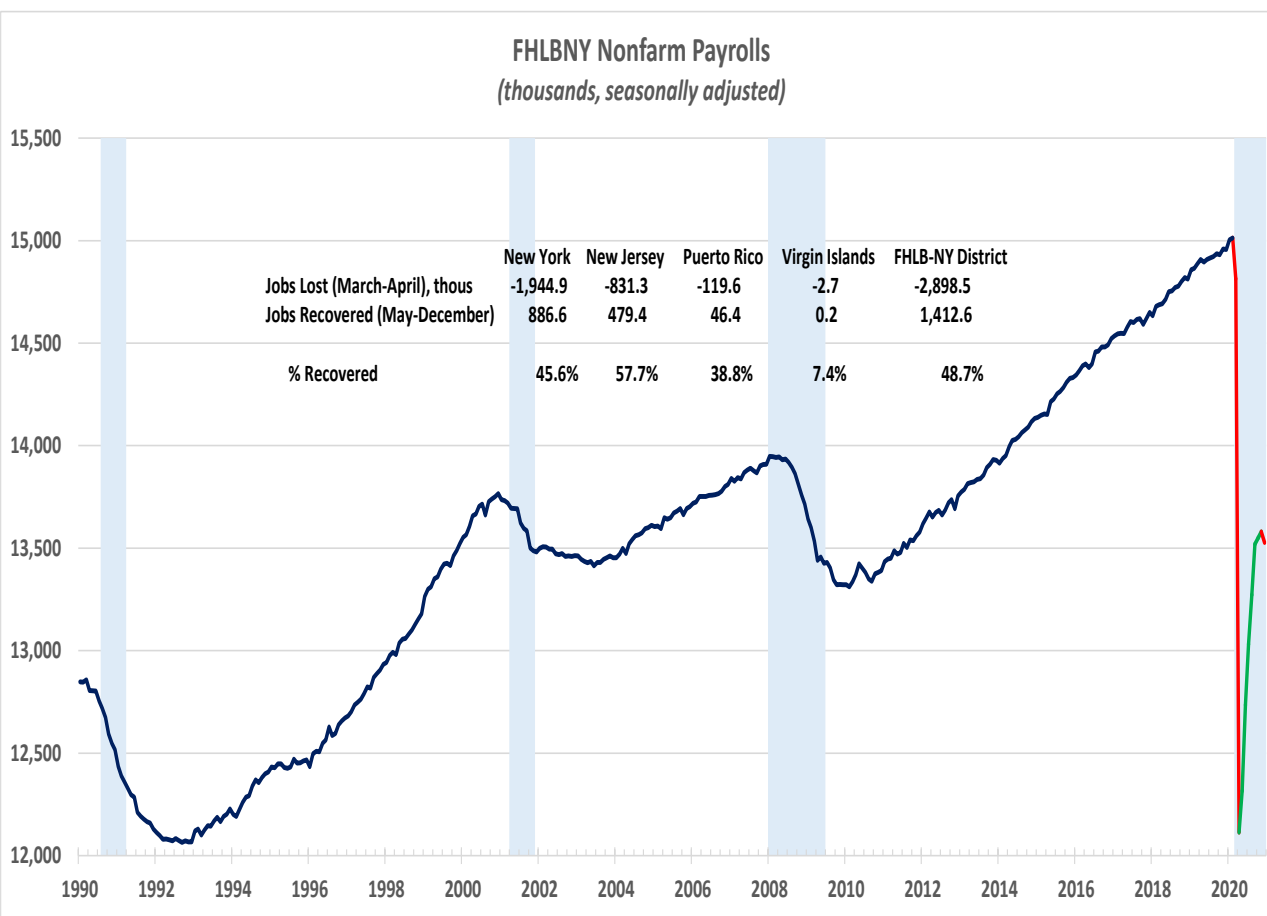


Overall, how has business been effected by the COVID-19 pandemic?



Source: U.S. Census Bureau

FHLBNY District Added Jobs Over May-December Span, But Payrolls Remain Well Below Pre-Pandemic Levels



Note: Shaded areas denote recessions. Source: Bureau of Labor Statistics

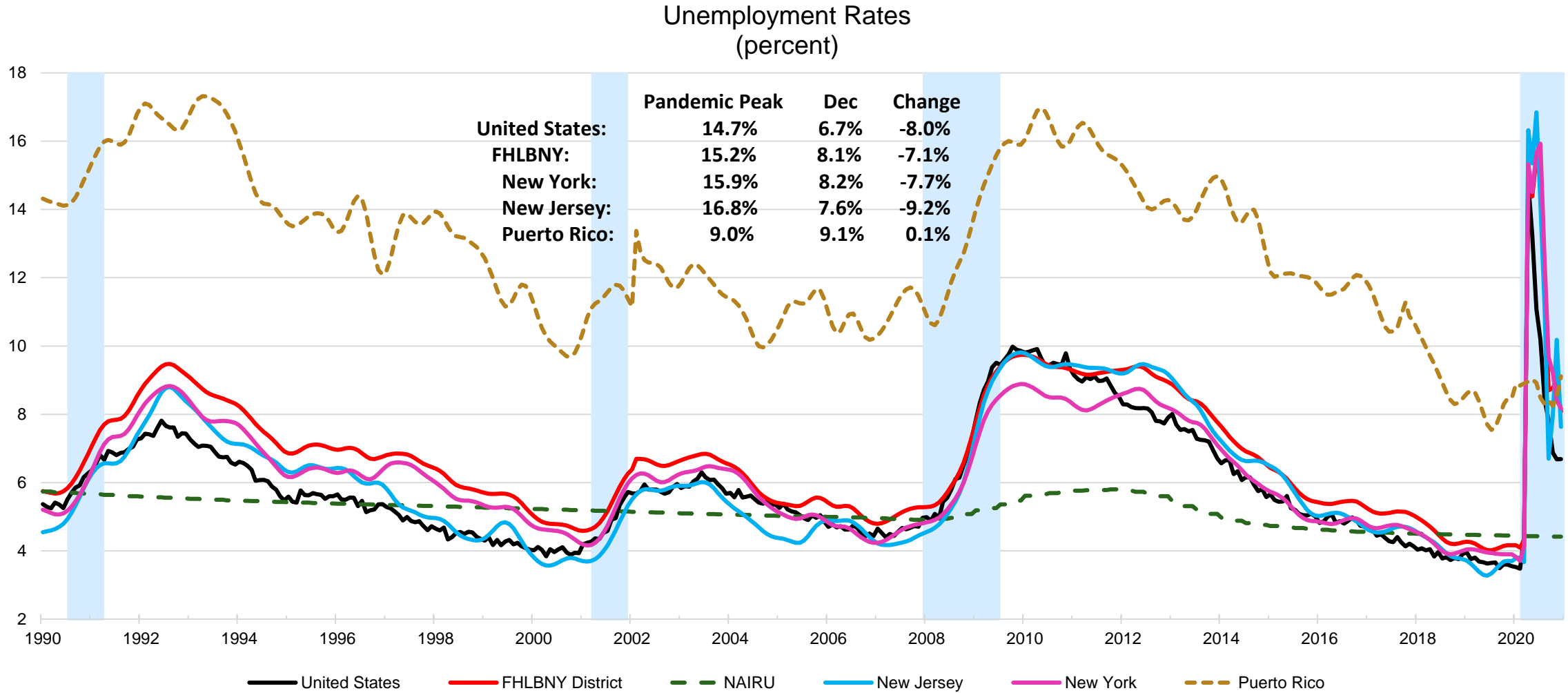
FHLBNY District Has a Considerable Way to Go to Recoup COVID-19 Job Losses

	Jobs Lost (thous)	Jobs Recovered (thous)	Percent		Jobs Lost (thous)	Jobs Recovered (thous)	Percent
United States	-22,160	12,321	55.6%	New Jersey	-831.3	479.4	57.7%
FHLBNY District	-2,899	1,413	48.7%	Atlantic City-Hammonton, NJ	-44.5	25.3	56.9%
New York State	-1,944.9	886.6	45.6%	Camden, NJ Metropolitan Division	-89.7	54.4	60.6%
Albany-Schenectady-Troy, NY	-74.9	29.3	39.1%	Newark, NJ-PA Metropolitan Division	-225.8	105.4	46.7%
Binghamton, NY	-14.2	7.6	53.5%	Ocean City, NJ	-11.1	9.1	82.0%
Buffalo-Cheektowaga-Niagara Falls, NY	-111.7	66.3	59.4%	Trenton, NJ	-38.1	22.5	59.1%
Dutchess County-Putnam County, NY Metropolitan Division	-26.0	11.2	43.1%	Vineland-Bridgeton, NJ	-8.3	4.2	50.6%
Elmira, NY	-4.6	2.2	47.8%	Bergen-Hudson-Passaic, NJ	-185.5	108.8	58.7%
Glens Falls, NY	-10.5	5.8	55.2%	Middlesex-Monmouth-Ocean, NJ	-195.1	128.0	65.6%
Ithaca, NY	-9.7	7.3	75.3%	Puerto Rico	-119.6	46.4	38.8%
Kingston, NY	-9.6	6.4	66.7%	Aguadilla-Isabela	-7.9	4.0	50.6%
Nassau County-Suffolk County, NY Metropolitan Division	-296.4	187.5	63.3%	Arecibo	-4.9	3.7	75.5%
New York-Jersey City-White Plains, NY-NJ Metropolitan Division	-1,478.2	683.0	46.2%	Guayama	-1.6	0.9	56.3%
New York-Newark-Jersey City, NY-NJ-PA	-2,036.2	986.7	48.5%	Mayaguez	-3.9	0.6	15.4%
Rochester, NY	-100.0	43.1	43.1%	Ponce	-10.2	5.3	52.0%
Syracuse, NY	-59.9	25.4	42.4%	San German	-2.7	1.7	63.0%
Utica-Rome, NY	-19.6	9.3	47.4%	San Juan-Carolina-Caguas	-91.8	24.5	26.7%
Watertown-Fort Drum, NY	-7.3	3.3	45.2%	Virgin Islands	-2.7	0.2	7.4%
New York City, NY	-944.1	360.9	38.2%				
Orange-Rockland-Westchester, NY	-149.7	85.3	57.0%				



Source: Bureau of Labor Statistics

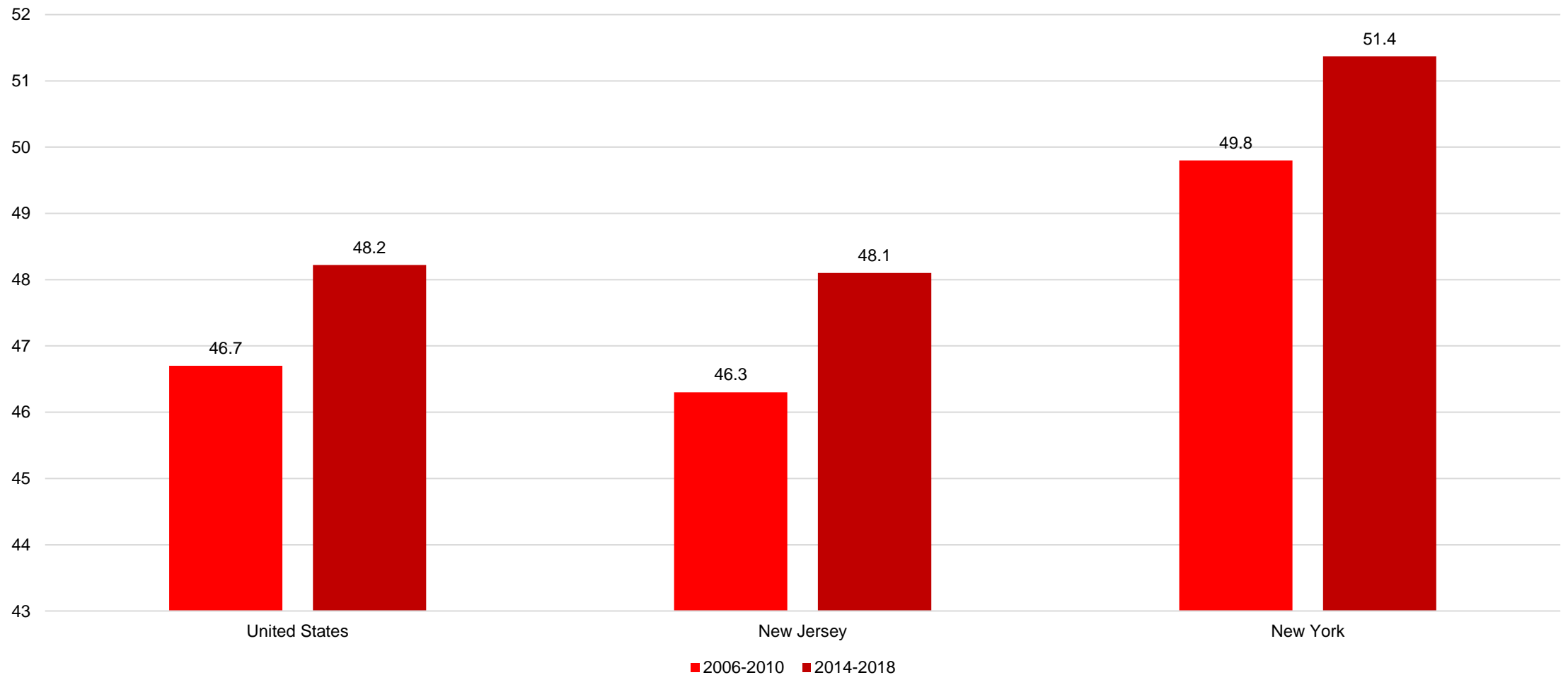
District Jobless Rates Have Generally Moved Lower, But Remain Well Above National Average



Note: Shaded areas denote recessions. Source: Bureau of Labor Statistics



Income Inequality Rising Across U.S. and Majority of FHLB NY District

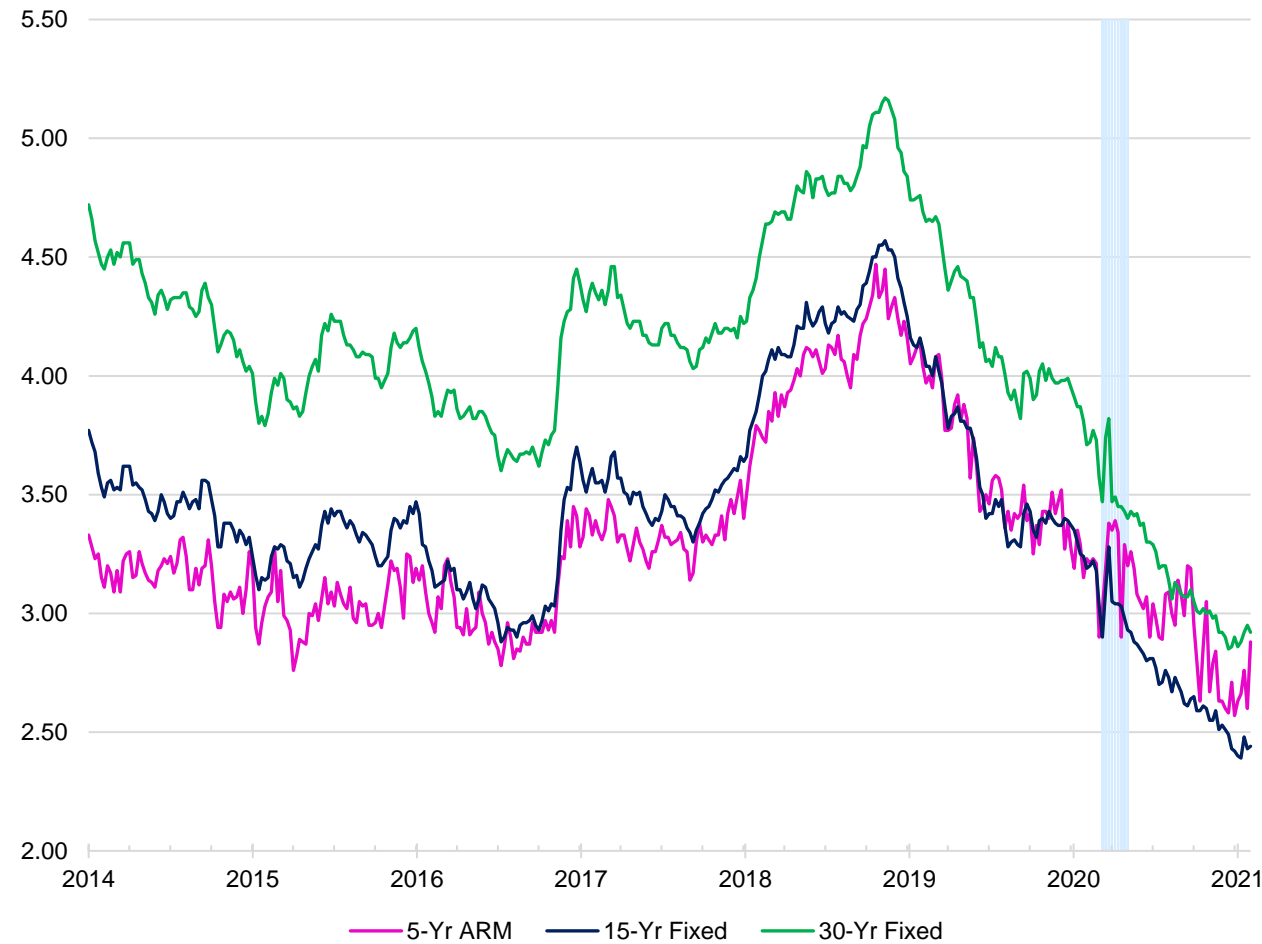


Note: The Gini Index is a summary measure of income inequality. A value of 0 indicates perfect equality while a value of 1 (or 100) indicates perfect inequality. Source: Population Research Bureau

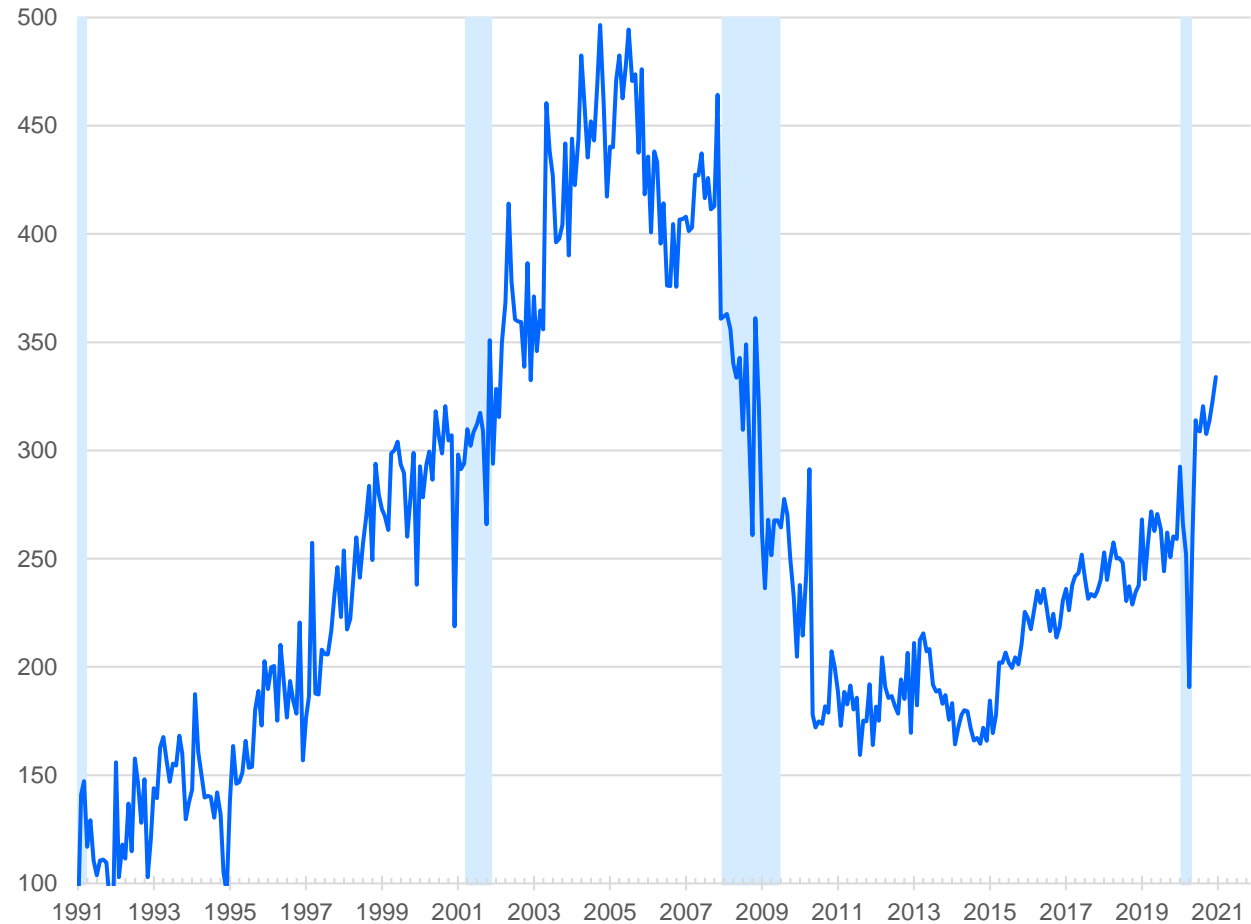


Record Low Mortgage Rates Are Boosting Home-Purchase Mortgage Applications

Mortgage Interest Rates



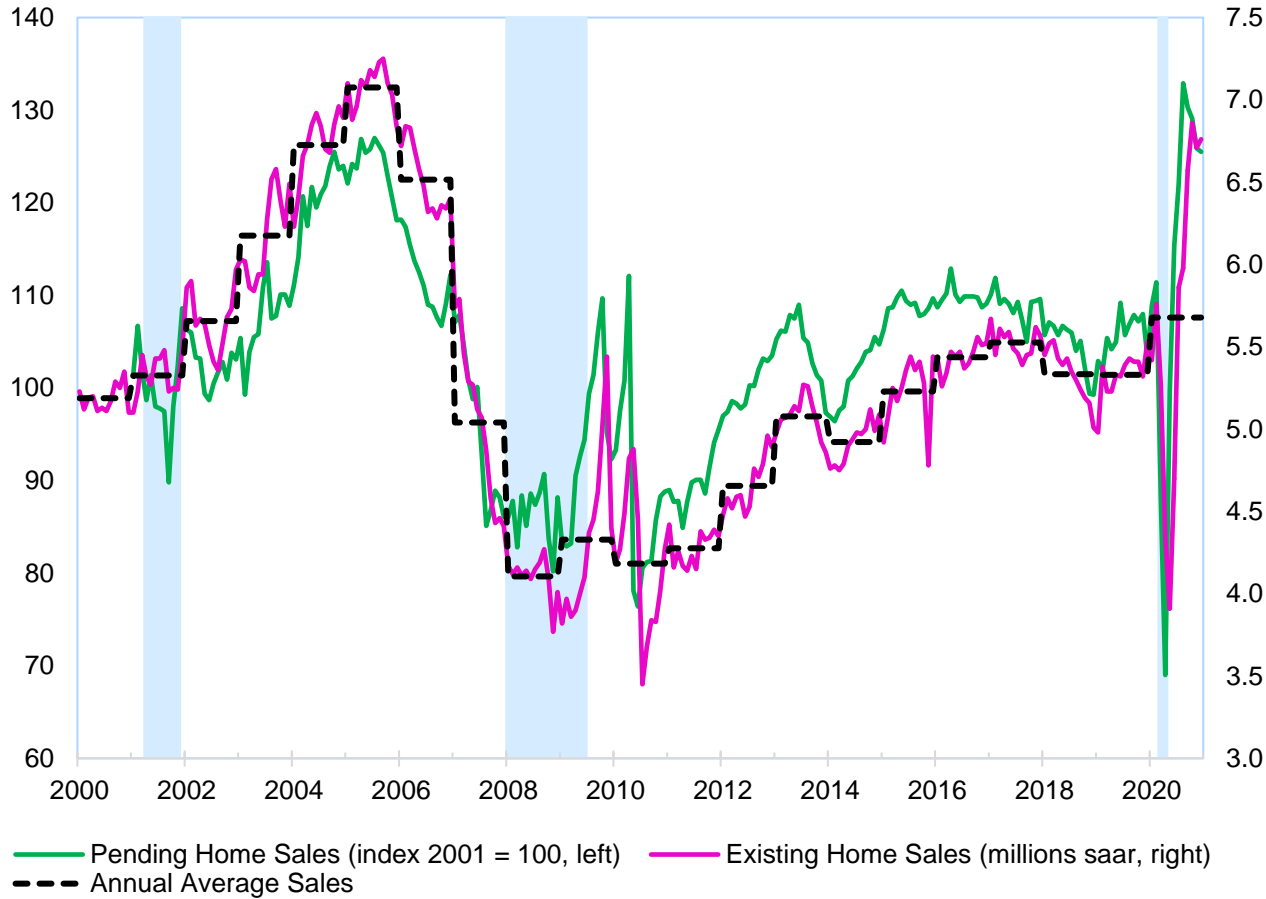
Home-Purchase Mortgage Applications



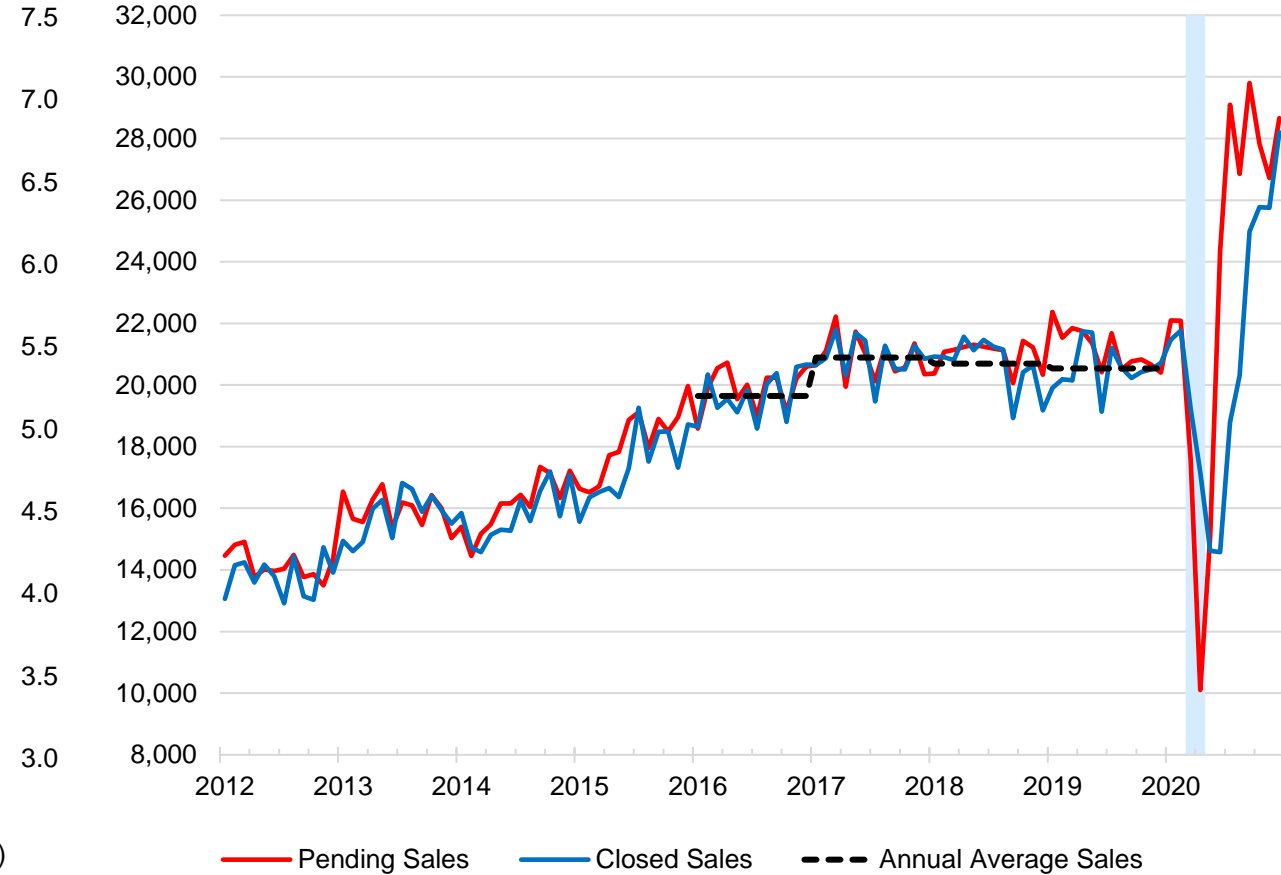
Note: Shaded areas denote recessions. Sources: Mortgage Bankers Association

Strength in Contract Signings Points to Further Gains in Local Home Sales

U.S. Pending and Existing Home Sales



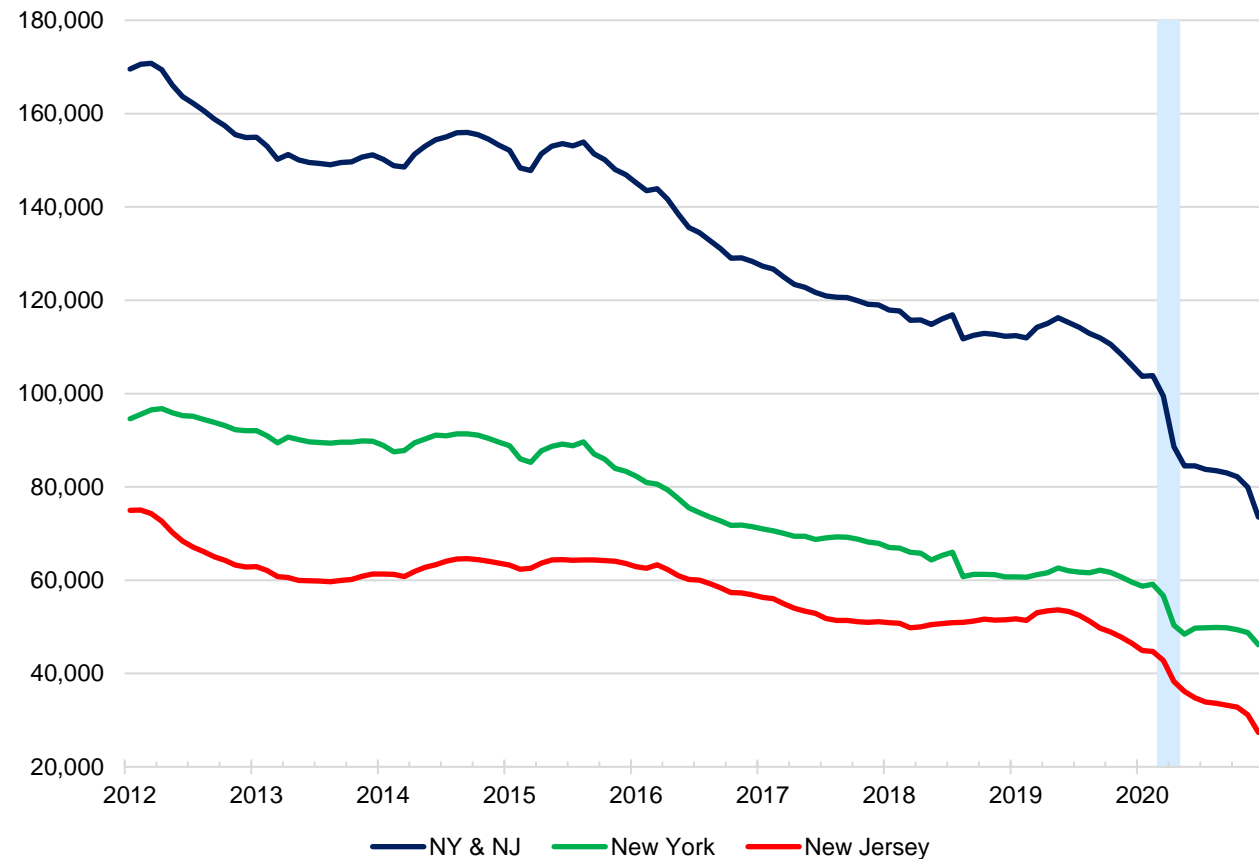
Pending and Closed Home Sales in New York & New Jersey (seasonally adjusted)



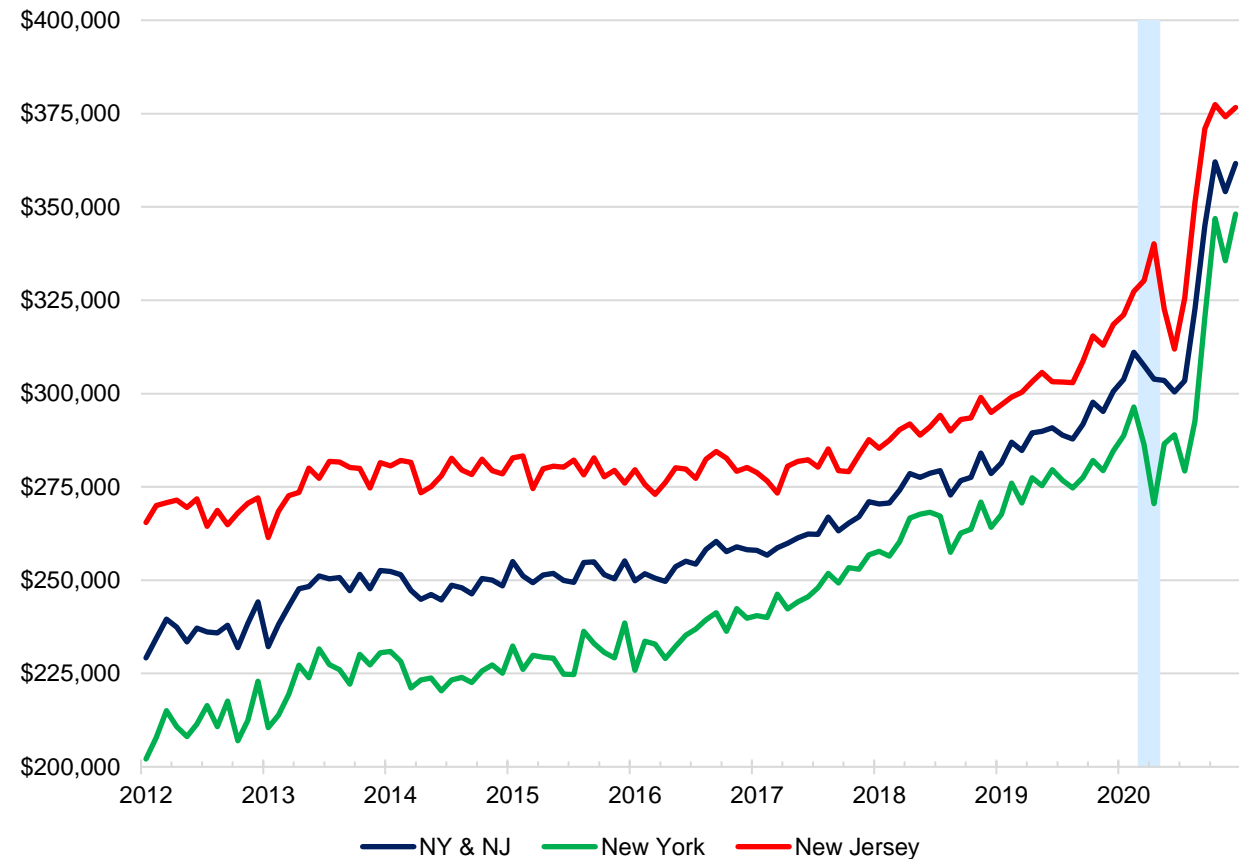
Note: Shaded areas denote recessions. Sources: Mortgage Bankers Association, NYSAR, NJ Realtors and FHLBNY estimates

Historically Low Homes on the Market Will Continue to Support Local Median Prices

Homes Available for Sale
(seasonally adjusted)



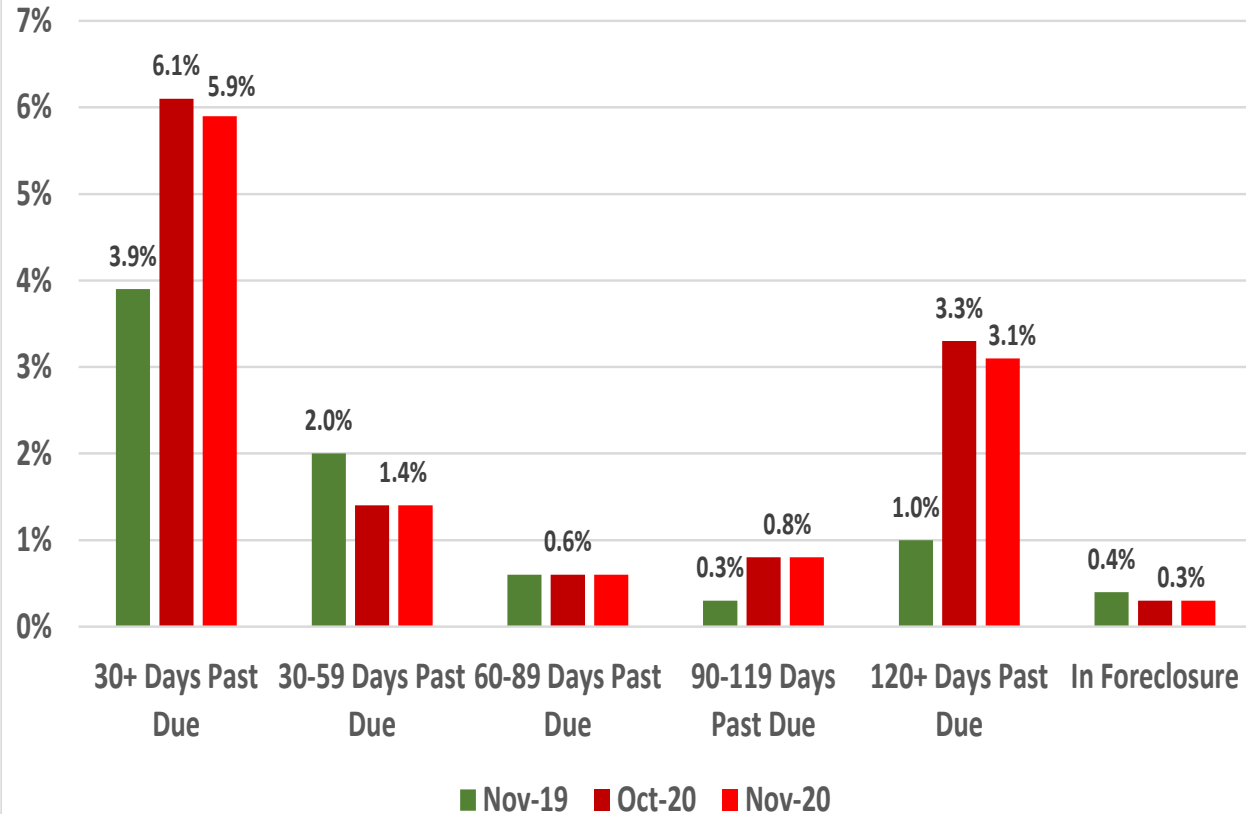
Median Selling Prices
(seasonally adjusted)



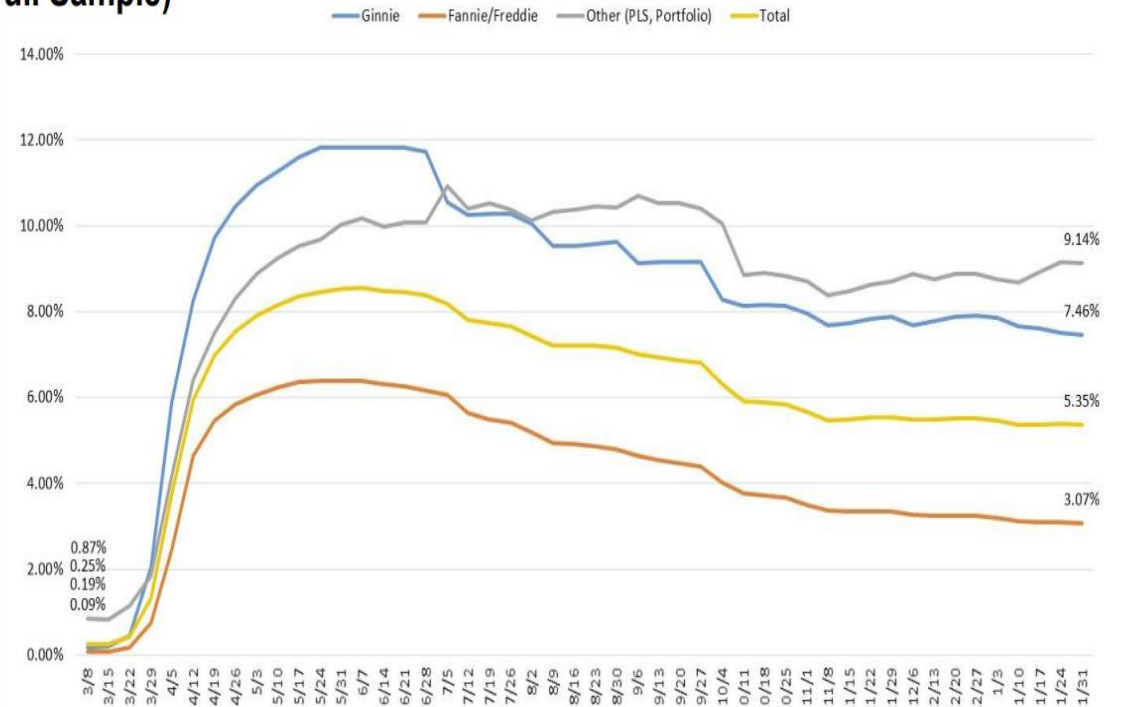
Note: Shaded areas denote recession. Sources: NYSAR, NJ Realtors and FHLBNY estimates

Mortgage Delinquencies Dipped in November; Forbearances Edging Lower

Mortgage Delinquency Rates



% of Servicing Portfolio Volume in Forbearance by Investor Type over Time (Full Sample)

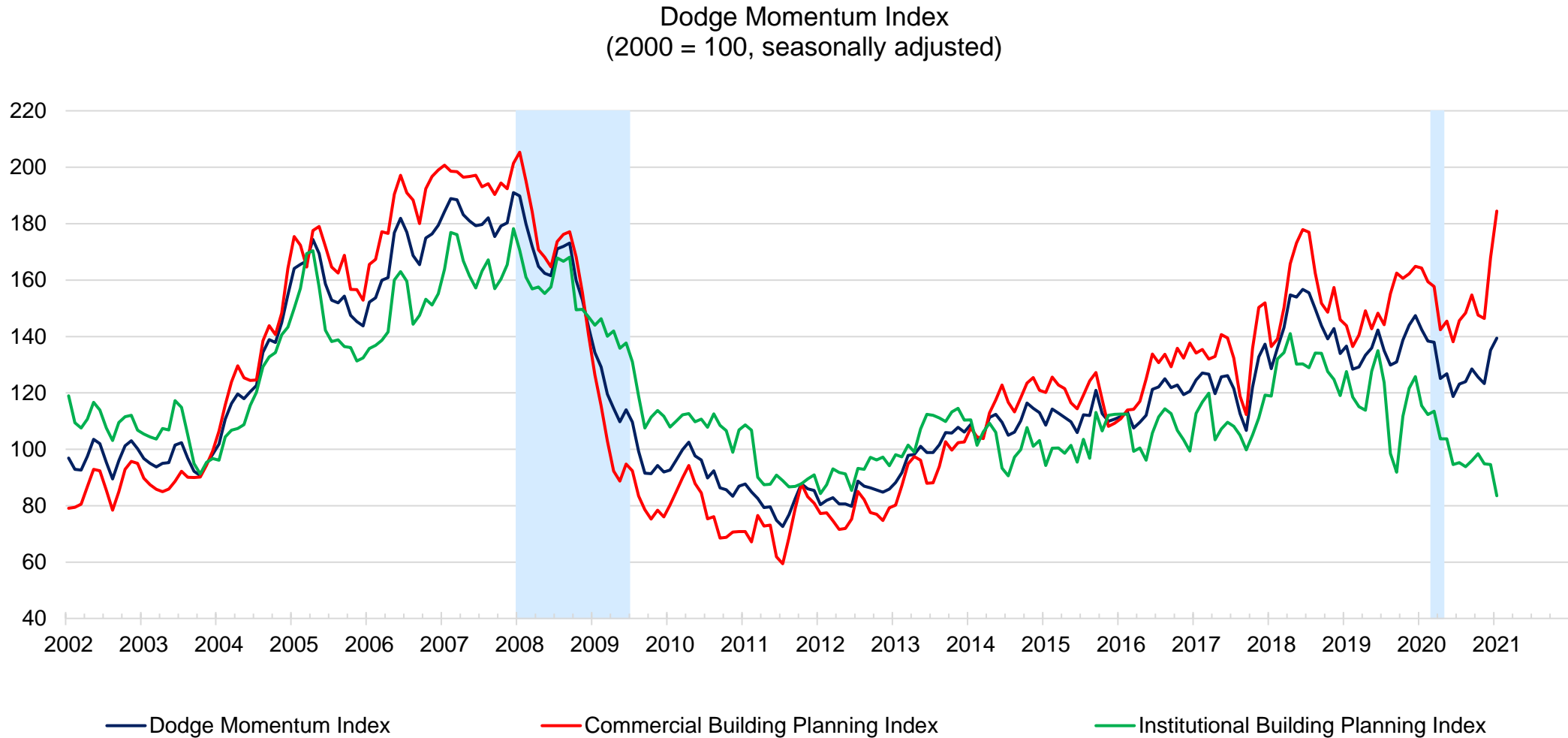


Source: MBA's Weekly Forbearance and Call Volume Survey, as of 1/31/21
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Note: Shaded areas denote recessions Source: Mortgage Bankers Association

Commercial Segment Drove Nonresidential Building Projects Higher at Beginning of 2021



Note: Shaded areas denote recessions. Source: Dodge Data & Analytics



Risks to Commercial Real Estate Will Remain High

In contrast to the residential sector, commercial real estate likely will face significant headwinds in the future:

- \$10,000 cap on state and local tax deductions in the Tax Cuts and Jobs Act of 2018 put the New York City metropolitan area at a competitive disadvantage as people and then businesses moved to lower tax states.
- The City's population growth, which turned negative for the first time in 2017, suffered accelerated declines over the past two years, falling from a peak of 8.47 million in 2016 to 8.34 million in 2019.
- Financial problems at co-working firms – the largest consumers of office space during the past several years – have further reduced demand.
- In addition, the ability to operate successfully from a remote posture in the wake of the COVID-19 pandemic has prompted many companies to question the need for physical office space.
- Finally, new competitive construction will weigh on existing properties, resulting in a rise in vacancy rates.





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