# Morgan Stanley



# COVID-19 and Its Effects on the US Economic Outlook

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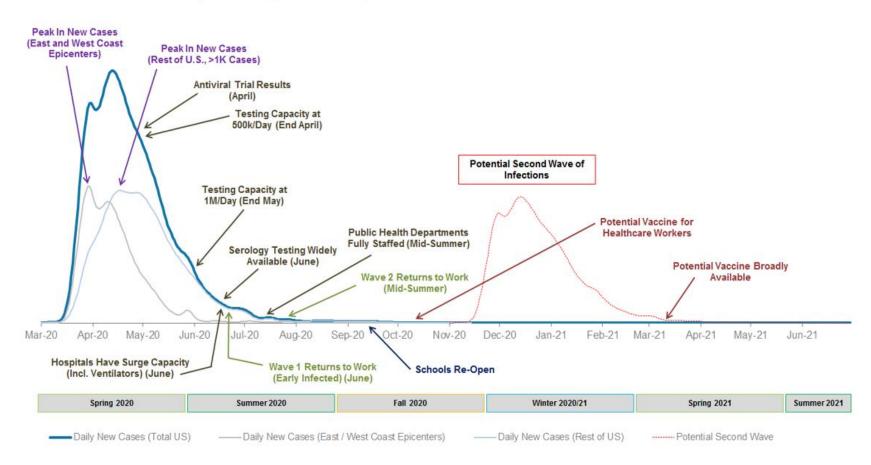
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All information as of April 9, 2020 unless otherwise stated.

# A Prescription to Get the US Back to Work

## Projected timeline and milestones for a return to work in the US

Actual/Estimated New Case Count (United States, Non-Cumulative)



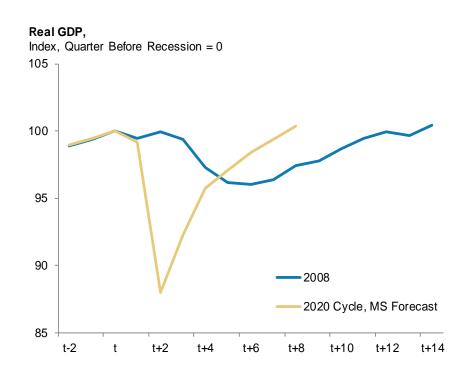
Note: See Biotechnology: COVID-19: A Prescription To Get The US Back To Work (3 Apr 2020)

Source: Morgan Stanley Research

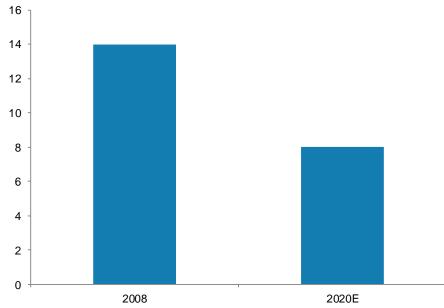
# The Great COVID-19 Recession - Output

The loss of real GDP will be greater compared with 2008...

...but real GDP should recover faster compared with 2008



Number of Quarters After Beginning of Recession to Recover Back to Pre-Recession Level of Real GDP



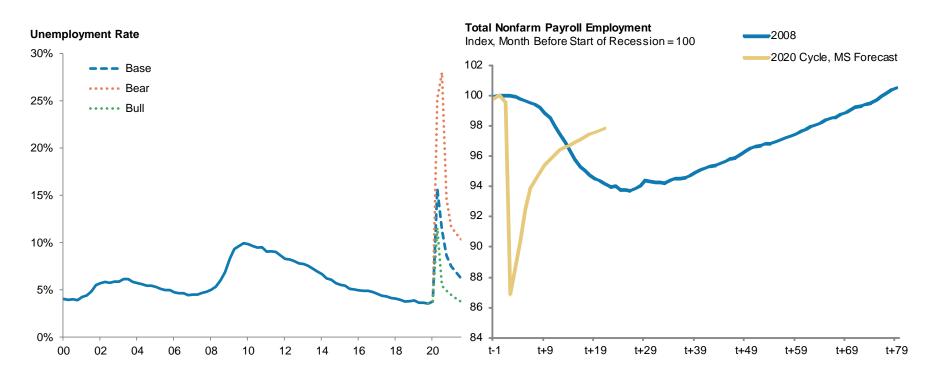
Note: Bars show the number of quarters between the beginning of the recession and the quarter in which real GDP returns back to that level. See US Economics: Deeper Drop, Slower Climb (3 Apr 2020)

Source: Bureau of Economic Analysis, Morgan Stanley Research forecasts

# The Great COVID-19 Recession - Unemployment

We expect the unemployment rate to average 15.7% in 2Q20 (high of 16.4% hit in May)

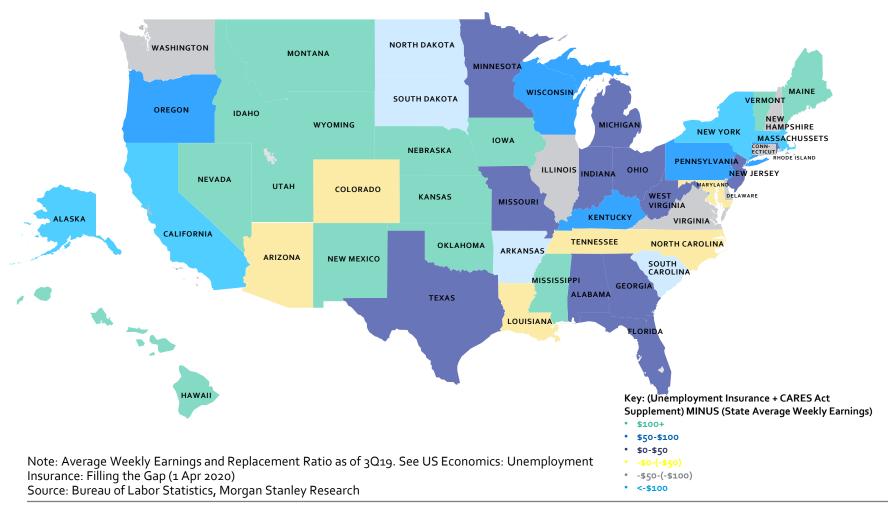
We expect a sharp upfront pattern of job losses



Source: Bureau of Labor Statistics, Morgan Stanley Research forecasts

# **Unemployment Insurance Under the CARES Act**

Supplement brings total benefit higher than average weekly earnings in 34 states

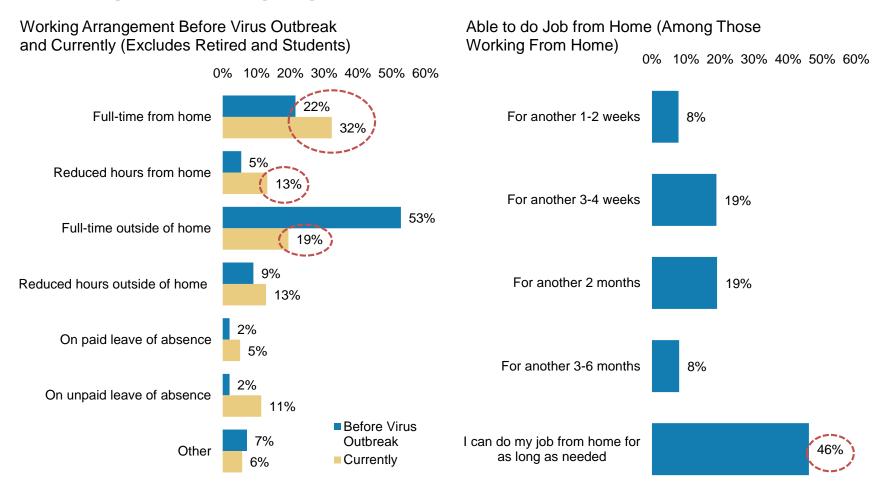


US ECONOMIC OUTLOOK

APRIL 2020

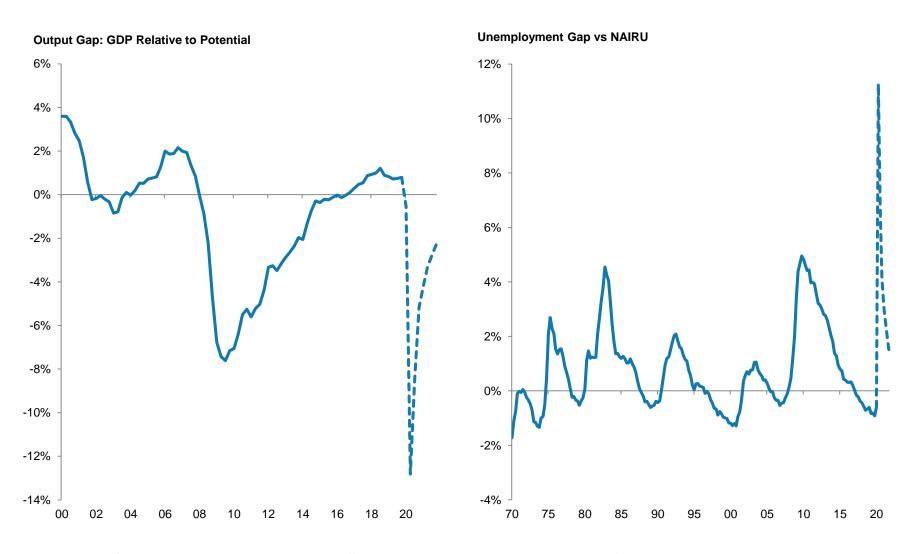
# The Great COVID-19 Recession – Consumer Discretionary

Tacking back to normal will be a slower process dampened by high rates of job loss, rolling WFH arrangements and lingering uncertainty over future finances.



Source: Morgan Stanley AlphaWise weekly survey of 2,000 US consumers aged 16-75, conducted the week of April 6, Morgan Stanley Research

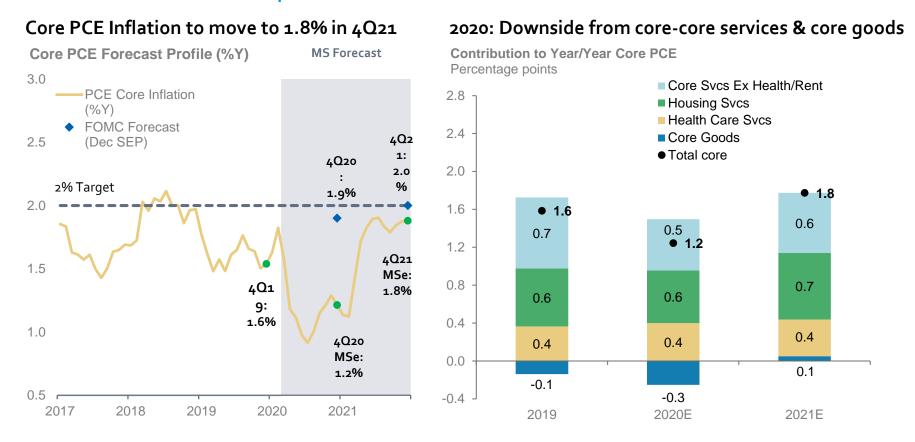
# The Great COVID-19 Recession – Output & Unemployment Gaps



Source: Bureau of Labor Statistics, Congressional Budget Office, Federal Reserve, Morgan Stanley Research forecasts

# The Great COVID-19 Recession – Near Term Disinflation

Price discovery in the near-term will be fraught with measurement issues. Pressure on households income will keep the substitution effect alive.

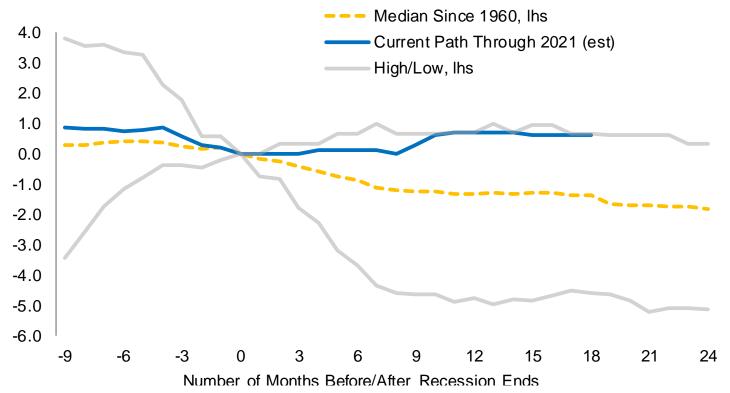


Source: Bureau of Labor Statistics, Morgan Stanley Research forecasts

# The Great COVID-19 Recession – Will Disinflation Prevail?

Core inflation continues to slow following the start of expansion, most impacted by slack effects in the labor market. This suggests downside risks to our projected path for core CPI.

Path of core consumer price inflation (percentage point difference in y/y growth rate around recession)



Note: Current path reflects actual core CPI through February 2020 with MS forecasts through December 2021 and assumes June 2020 as start of expansion. Source: Bureau of Labor Statistics, Morgan Stanley Research

-17.0

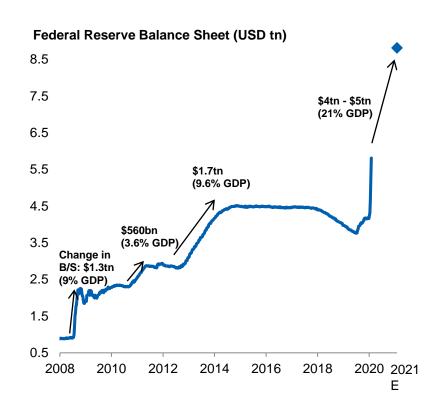
# **Aggressive Fiscal & Monetary Policy Response**

## US cyclically adjusted primary balance, CY

US General Government Cyclically Adj Primary Balance

# -1.0 -3.0 -5.0 -7.0 -9.0 -11.0 -13.0 -15.0 -14.6

## Federal Reserve balance sheet trend



Source: Bureau of Economic Analysis, Department of Treasury, Morgan Stanley Research forecasts

2015

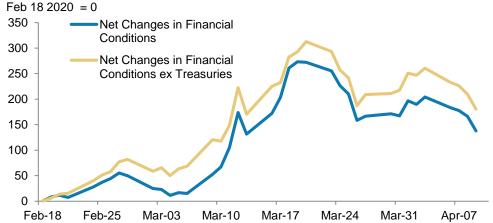
2014

2013

# **Financial Conditions Remain Tight**

Financial conditions remain tighter and more volatile since mid-February, but both the level and volatility of financial conditions have receded from peaks

## **Changes in Financial Conditions Since Mid-February**



### 5-Day Rolling Standard Deviation of Changes in FCI



- As of April 9, financial conditions remained tight, but had eased somewhat after the Fed's announcement of expanded credit facilities.
- Broad financial conditions remain about 138bp tighter since the middle of February, and excluding the effect of lower Treasury yields financial conditions remain about 180bp tighter of that same period. But notably, this is the easiest level for both broad financial conditions and ex Treasuries FCI since March 13.
- Portfolio balance channel focus: The Treasury
  will issue significant amounts of new Treasuries
  to finance the \$2tn CARES Act, and we expect
  the Fed to keep buying Treasuries in QE (\$4-\$5tn
  total, in our view). We expect Treasury issuance
  to complement Fed buying with the Fed
  switching to buying more back-end Treasuries
  and the Treasury issuing in the front end (seeing
  its current WAM as appropriate).

Source: Morgan Stanley Research

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