

COVID-19: Economic Implications and Policy Response

Boulder Valley Rotary Club
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- 6 Chairs Council of Economic Advisers
 - o Furman (D), Rosen (R), Bernanke (R), Yellen (D), Tyson (D), Goolsbee (D)
- 3 Nobel Prize Winners
 - o Akerlof, Smith, Maskin

Delegates: 500+ members

- At all levels of academia and some in government service
- All have a Ph.D. in economics
- Crowdsource slide decks
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• Global Partners: 45 Ph.D. Economists

- Aid in slide deck development



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Available NEED Topics Include:

- US Economy
- Climate Change
- Economic Inequality
- Economic Mobility
- US Social Policy
- Trade and Globalization
- Trade Wars

- Immigration Economics
- Housing Policy
- Federal Budgets
- Federal Debt
- 2017 Tax Law
- Autonomous Vehicles



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Credits and Disclaimer



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- Jon D. Haveman, NEED
- Geoffrey Woglom, Amherst College (emeritus)

This slide deck was reviewed by:

- Jon Haveman
- Disclaimer
 - NEED presentations are designed to be nonpartisan.
 - It is, however, inevitable that the presenter will be asked for and will provide their own views.
 - Such views are those of the presenter and not necessarily those of the National Economic Education Delegation (NEED).



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- Economic Dimensions to this Crisis
- Why this Crisis is Different
- What Fiscal & Monetary Policies Can Do
- Prospects for Economic Recovery



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Initial Optimism



- Originally, believed that COVID-19 would be largely contained within a few countries and would disrupt manufacturing supply chains.
- The more a country's manufacturing relied on these supply chains the bigger the impact on GDP.
- Still the effect was likely to be to slow GDP by 0.25 to 0.50 from its baseline prediction.



The Escalation of the Economic Effects





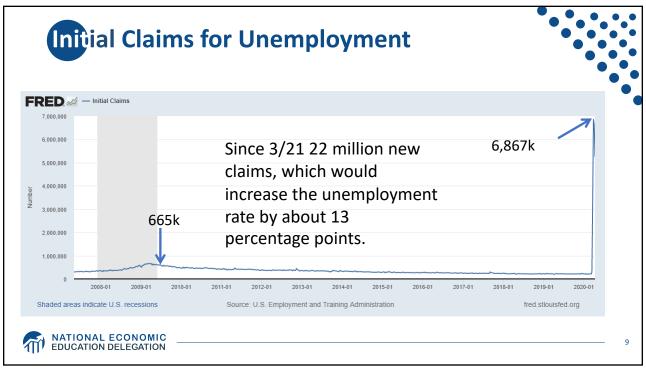
Most Importantly, most services require face-to-face contact



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Coronavirus Disruptions (2018 Data from BEA) US is a Service Economy 23.83% 9.94% 6.72% 6.25% 5.92% 6.77% 3.45% 4.77% 3.45% 4.23% PRIVATE SECTOR FINANCE, INSUBANCE PROFESSIONAL EDUCATION AND WHOLE SALE TRADE RETAIL TRADE INFORMATION AND SERVICES SERVICES SERVICES



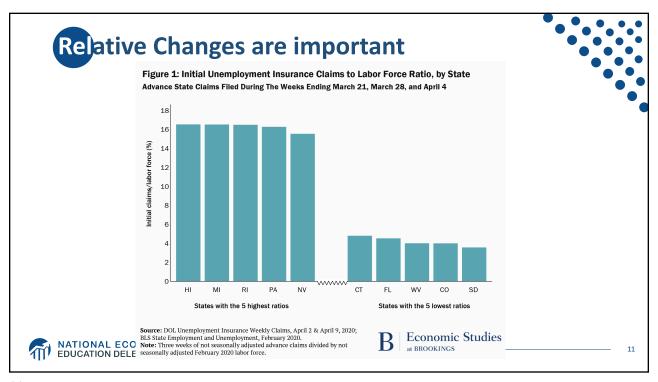
But these numbers understate the changes in uncertain ways

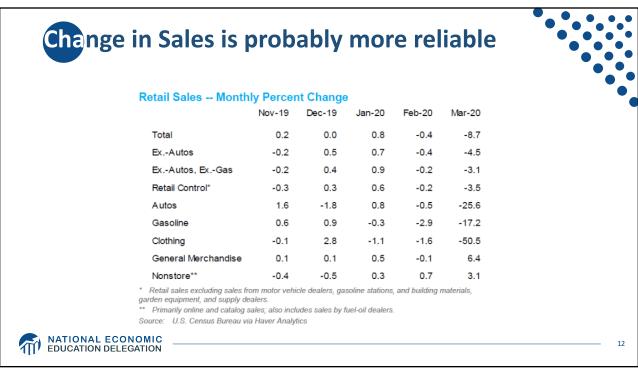


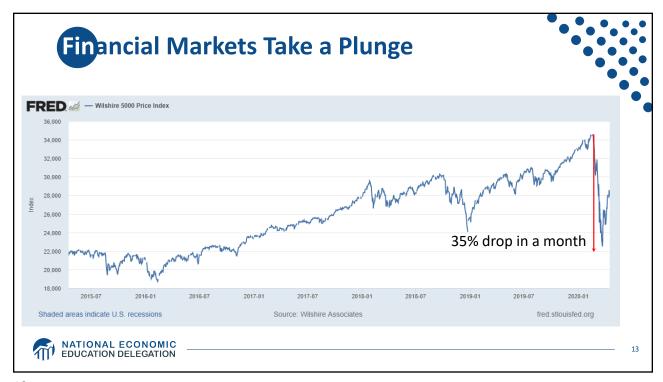
- 1. States unemployment offices have been deluged with large backlogs.
- 2. Employment Status isn't obvious anymore you aren't working but you still have your job
- Monthly unemployment reports (next one on May 8th) are worse
 - Unemployment rate is based on a household survey
 - Number of jobs gained or lost is based on a survey of firms



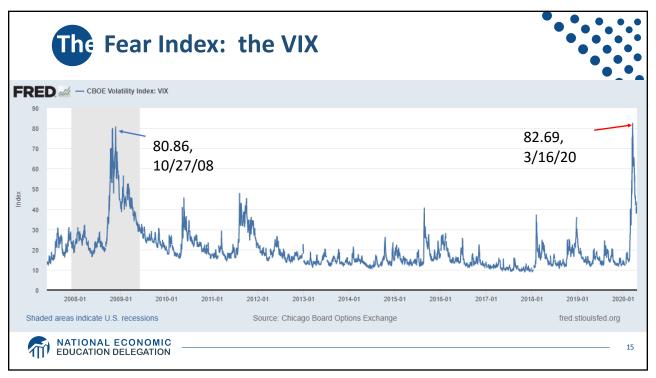
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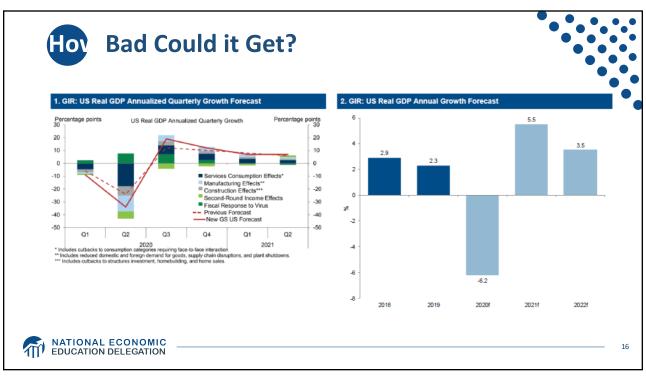














- Great Depression and Recession (Demand Shocks)
 - A Financial Crisis due to inadequate regulation, which led to
 - A Collapse of demand with persistent high unemployment
- Oils Crisis of 1975 due to a sharp rise in the price of oil (Supply Shocks)
- Prior to the pandemic none of the above:
 - Financial markets were not in trouble.
 - Real GDP growth was strong buoyed by strong consumer spending.
 - Unemployment and inflation were both low.
 - Oil prices were falling.
- "Health Shock:" public health requires cessation of economic activity



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What Economic Policy Can't Do in this Crisis



- Fiscal:
 - 1. Tax cuts
 - 2. Increased spending
- Monetary
 - Reduce short-term interest rates
 - 2. Reduce long-term interest rates using (Q)uantitative (E) easing

But, if people can't leave their homes changing these policies won't work – Go on a cruise because of tax cut or lower interest rate?



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What Economic Policy Can Do in this Crisis



- Aid households, firms, state and local governments and credit markets in order to survive the crisis.
- In this way, the goal of policy is to minimize long-term damage caused by the crisis.
- When the pandemic is under control, the economy can regain former strength as quickly as possible.



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The nk you Goldman Sachs



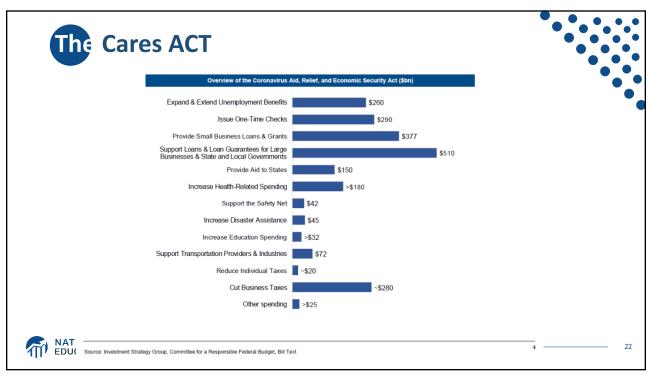
• The Next 3 Slides are from:

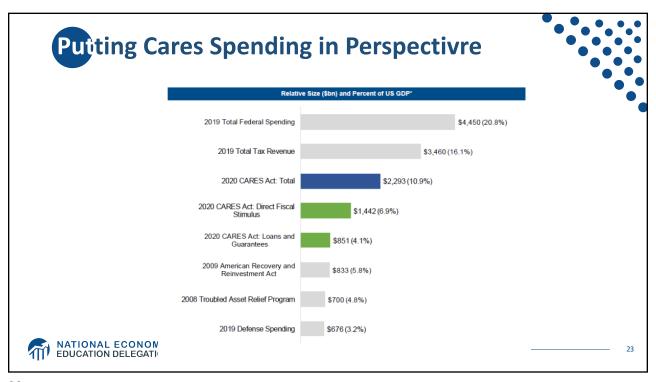
"The US Coronavirus Aid, Relief, and Economic Security Act & the Economic and Investment Implications (Seventh in a Series)" March 31, 2020

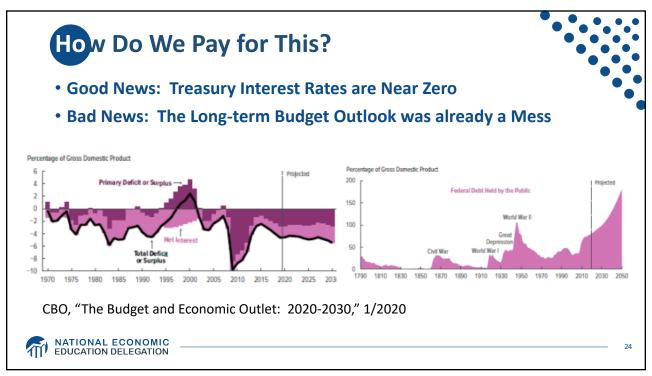
https://www.goldmansachs.com/insights/talks-at-gs/04-01-20-cares-act-impact-on-us-economicoutlook-f/report.pdf











Monetary Policy: 2008 Redux, but Bigger and Faster

I. Short-term Interest Rates

- 1. March 3, the Fed lowers the target range for the federal funds rate from 1.75-1.5 percent to 1.25-1.0 percent.
- 2. March 15, the Fed lowers the target range to 0.25-0.0 percent, essentially 0.

II. QE

- 1. March 15, the Fed announces a QE program
 - 1. \$500 billion in Treasuries and
 - 2. \$200 billion in agency mortgage-backed securities.
- 2. March 23, QE is unlimited and should include commercial mortgage-backed securities

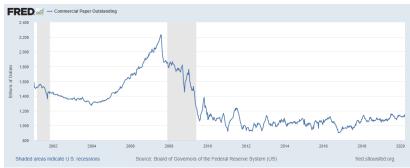


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Liquidity Measures

- In a Financial Crisis, nobody wants to lend, which can lead to panics, bank runs and the destruction of credit markets.
- The Fed must act as the "Lender of Last Resort" to keep credit flowing and to minimize long-term damage to these markets.





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In Contrast to 2008, Quick Fed Action

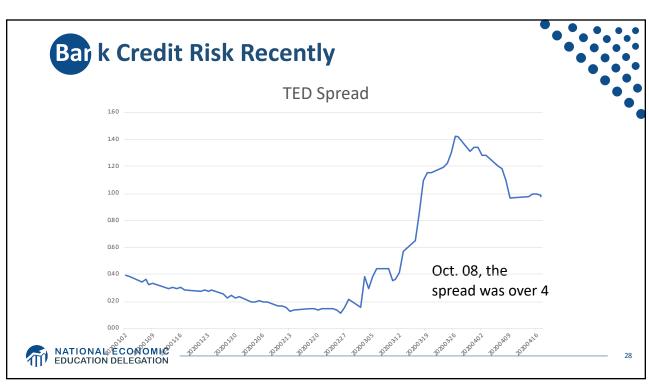


- I. The Fed saw emerging panic during Mid March
 - 1. Liquidity all of a sudden became scarce in the Market for US Treasuries (NYTimes, 3/12/20)
 - 2. The next week institutional investors withdrew 11% of their holdings of money market mutual fund shares. (WSJ, 3/21)
- II. In the current crisis the Fed acted immediately to provide liquidity to a myriad of credit markets and to encourage continued bank lending



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Fee Liquidity Measures taken from 3/15-23



- Loans and Support to Credit Markets Participants:
 - Primary Dealer Credit Facility
 - Money Market Mutual Fund Liquidity Facility More active participation in the "Repo" market which provides wholesale short-term financing
 - Loans to Foreign central banks: swaps
- Encouraging Bank Lending
 - Lowers the discount rate and encourages its use by non-troubled banks
 - Eliminates reserve requirements
 - Temporarily reduce bank capital requirements



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Con bined Fed & Treasury Measures



- (P)aycheck (P)rotection (P)rogram \$337billion to firms with 500 or fewer employees (in 1 location!)
 - Loans made by banks, Fed will acquire 95%
 - Loans forgivable, losses to the Treasury
- "Main Street Lending Program" 4-year loans to firms with under 10,000 employees \$600 billion
 - Again loans made by banks, Fed acquires 95%
 - Loan losses borne by banks and Treasury up to \$75 billion
- Congressional Oversight??





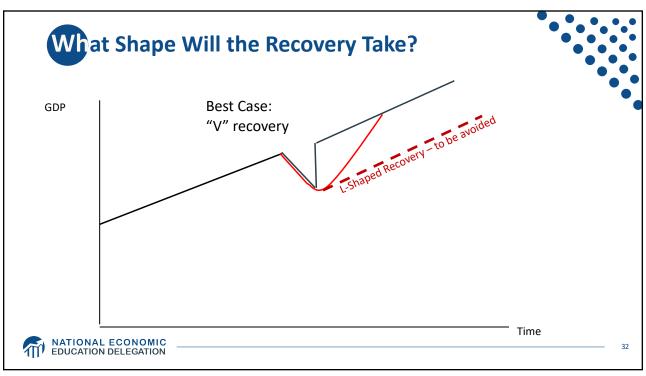
Dor't Add Apples and Oranges

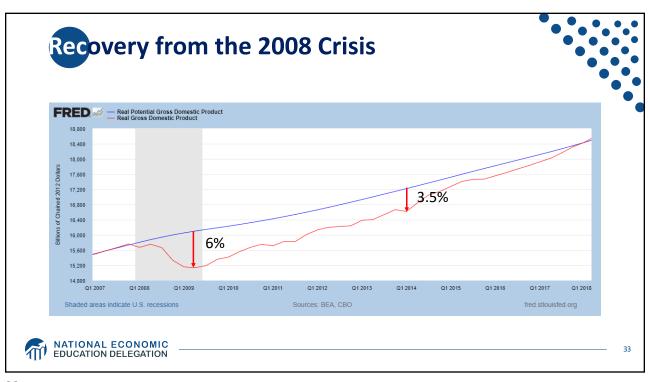


- "White House economic adviser Larry Kudlow on Tuesday projected that the total economic stimulus to be enacted by the federal government will reach \$6 trillion." National Review, 3/24
 - \$4 trillion from the Fed in "liquidity measures"
 - \$2 trillion from Congress
- Apples: Loans which we hope will be repaid (e.g., Main Street Lending)
- Oranges: Tax Cuts, Grants and Other Spending (e.g., PPP)
- In the 2008 crisis the Fed made money on its crisis lending



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Lessons from the Last Recovery



• Reasons for Optimism

- 2007 economy was rife with unsustainable financial speculation: housing bubble.
- Financial markets and institutions badly damaged by the crisis.
- Fiscal and Monetary policy responses could have been quicker and bigger.



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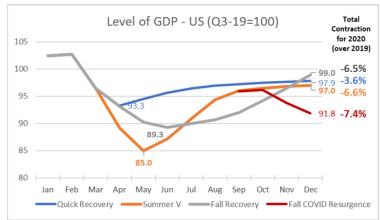


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- P. Krugman, "Right now the economy is in the equivalent of a medically induced coma..." (NYTimes, 4/16).
- We are trying to keep the patient alive, but damage is being done;
 - How many personal and business bankruptcies?
 - What is the future of companies that bring many people together?
 - o Cruise Lines.
 - o Theaters.
 - o Sports.
 - o Malls.
 - Looming State and Local Fiscal Crisis



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ALot Depends on the Course of the Disease



Source: The Conference Board, April 2020



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Aid to Households Payments to Individuals Eligibility Program Terms & Process Rebate phases out gradually for Tax rebate of \$1,200 (or \$2,400 for a incomes greater than \$75,000 Taxpayers with incomes up to (\$150,000 joint) ioint tax return) \$99,000 (or \$198,000 joint) based on 2019 tax return (2018 if not available) Additional \$500 rebate per child Rebates sent "as rapidly as possible" targeted for early April **Increased Unemployment Insurance** Eligibility Program Terms & Process Provides standard unemployment Individuals qualifying for standard compensation (roughly 50%) for 39 unemployment compensation weeks, vs standard 26 weeks Pay is immediate, vs. standard oneweek waiting period Individuals not previously qualifying for Additional \$600 pay per week through unemployment compensation, such as July 31 (4 months), even if contractors and the self-employed unemployment compensation exceeds previous wage level

