

COVID-19: Economic Implications and Policy Response

Emeritus Students College of Marin

May 6, 2020 Jon Haveman, Ph.D. Executive Director, NEED





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National Economic Education Delegation

Vision

- One day, the public discussion of policy issues will be grounded in an accurate perception of the underlying economic principles and data.

Mission

 NEED unites the skills and knowledge of a vast network of professional economists to promote understanding of the economics of policy issues in the United States.

NEED Presentations

- Are **nonpartisan** and intended to reflect the consensus of the economics profession.



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Who Are We?

- Honorary Board: 48 members
 - 2 Fed Chairs: Janet Yellen, Ben Bernanke
 - 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
 - Give presentations
- 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
- Trade and Globalization
- Trade Wars

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



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Credits and Disclaimer



- This slide deck was authored by:
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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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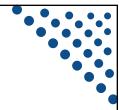


- What is this?
- Evidence of Impact
- Government Policy
- What to expect going forward



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- A natural disaster with important twists
 - Global
 - Duration is unpredictable
 - Economic toll is enormous and potentially durable
- A health crisis with enormous economic implications.
 - A perfect storm of economic difficulty
 - o Supply side
 - o Demand side
 - o Financial
 - Without a culprit



Process for Dealing with a Natural Disaster



- Mitigation of effects
- Tend to the vulnerable
- Shore up structures
- Rebuild

This crisis requires the same approach and sequence.



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Priorities for Government Policy

- Policies to protect public health
 - Long run benefits for the economy.
 - Though there may well be short run pain.
- Policies to protect the economically vulnerable
- Policies to maintain structure of the economy
 - Help firms stay in business, maintain ties with workers.
- Policies to stimulate aggregate demand (rebuild)
 - Long run once the economic switch is turned back on.



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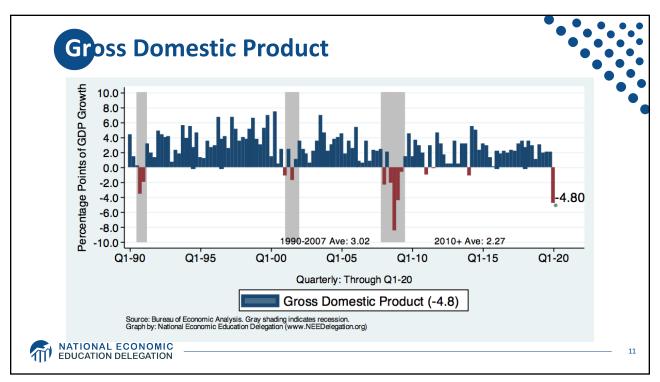
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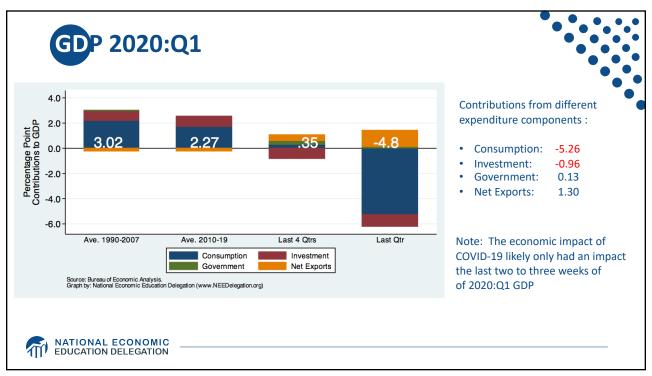
Evidence of Impact

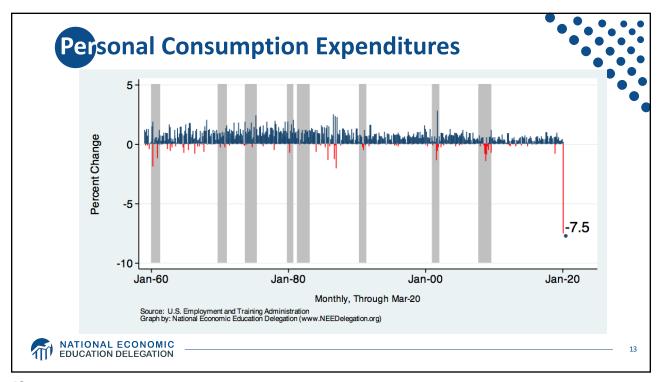


- GDP
- Stock markets
- Unemployment

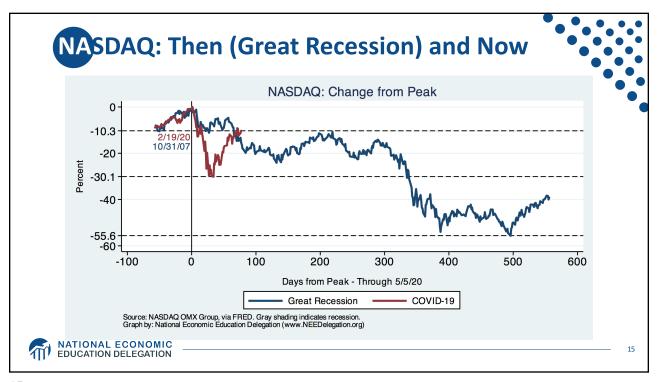


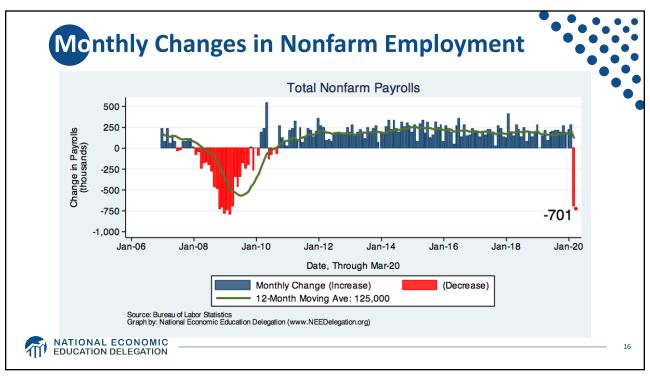


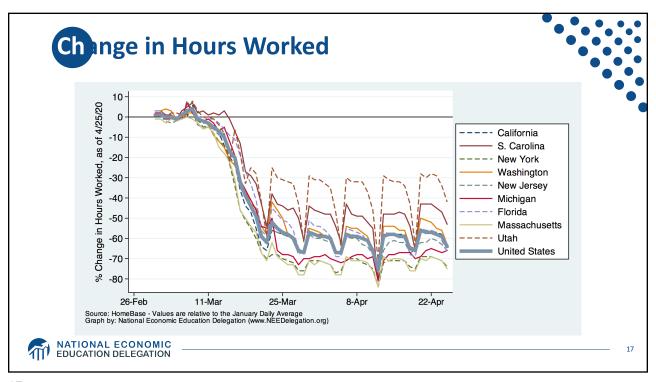


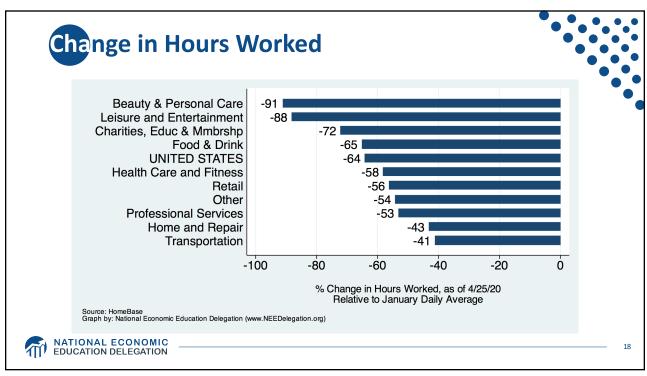


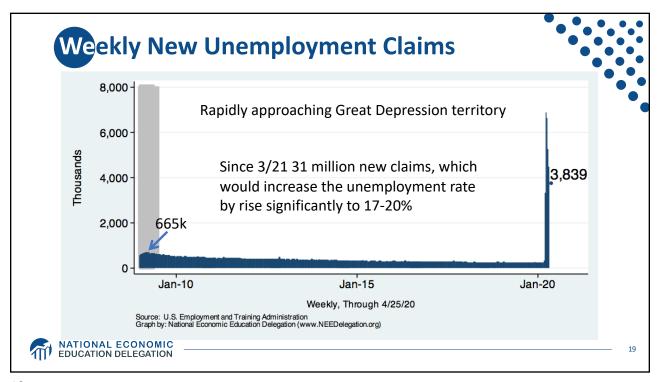


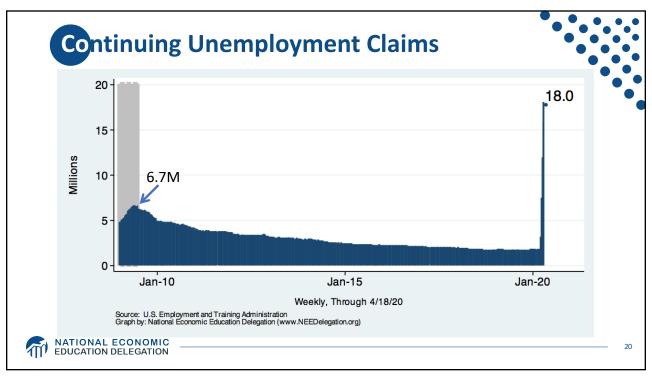












Policy Response





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A Tale of Three Policies Efforts



Social policy: Social Distancing

- Shutdowns on some industries versus others
- Furloughs and lay-offs result
- Vulnerable populations now more vulnerable

Fiscal Policy

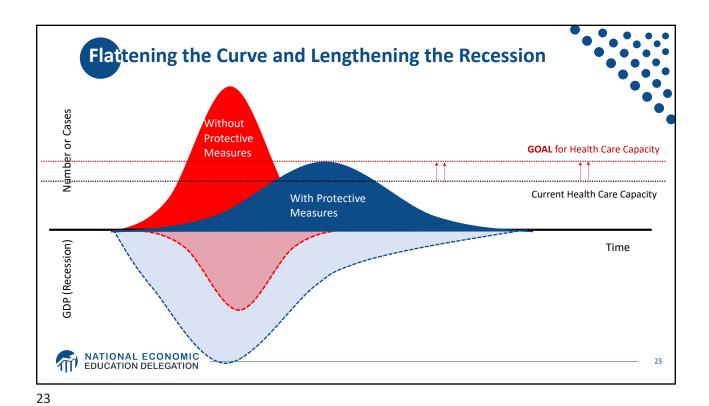
- Business and taxpayer supports
- Low-cost way to engage policy, but building danger later

Monetary Policy

- Back to Zero interest rates
- Managing markets and inflation is out with the bath water



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BOTE Cost Benefit Analysis

BOTE: Back Of The Envelope

• BENEFITS of social distancing:

- \$7 million/life and 600,000 lives saved (\$4.2 trillion)
- Long term health issues avoided: 2 million at \$500,000 (\$1 trillion)
- Total Benefit of Social Distancing: \$5.2 Trillion

COSTS of "Shelter in Place" or "Lockdown"

- There are about 70+ workdays in a quarter (plus March).
- The cost of a "lockdown" is roughly \$1.3 Trillion

Benefit: \$5.2 trillion > Cost: \$1.3 trillion



https://twitter.com/BetseyStevenson/status/1242180499566669828

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What Economic Policy Can't Do in this Crisis

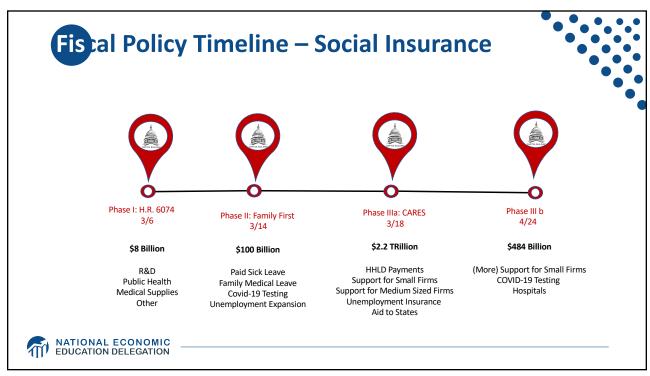
- Typically, Monetary and Fiscal policies fight recessions by increasing aggregate demand (total spending)
 - Fiscal:
 - 1. Tax cuts
 - 2. Increased spending
 - Monetary
 - 1. Reduce short-term interest rates
 - 2. Reduce long-term interest rates using (Q)uantitative (E)easing

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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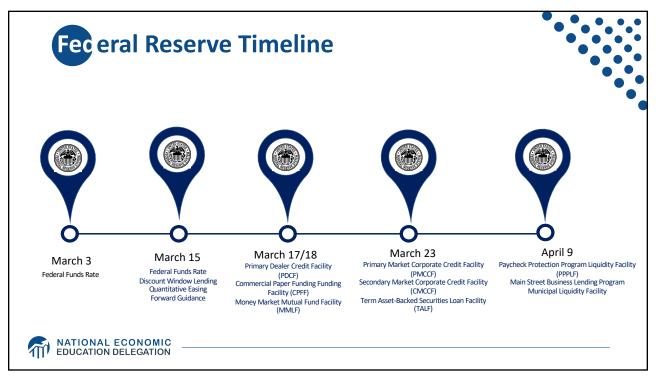
Monetary Policy – Federal Reserve

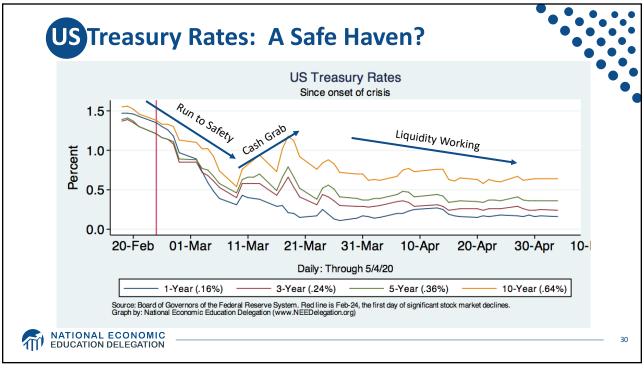


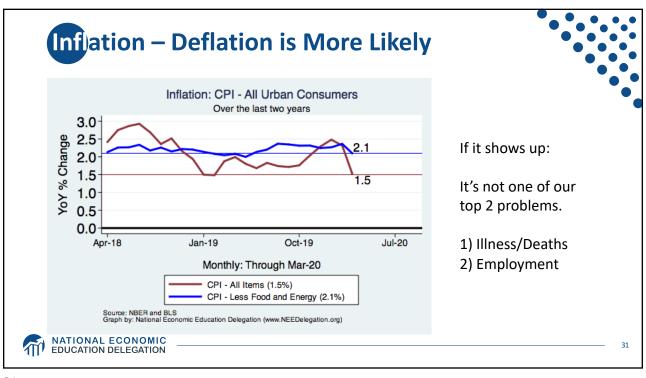
- Two primary objectives
 - Stabilize the economy
 - Maintain liquidity of the system
- Actions in three forms:
 - Traditional interest rate stimulus
 - Inject cash into the system
 - Shore up existing debt and structures



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The ughts on Policies to Date

- Costs are enormous, but we are doing the right thing!
 - And we are doing it **VERY QUICKLY!**
- Monetary policy: Heroic!
- Fiscal policy grade: Emergency Pass
 - Direct cash payments
 - o Are they really getting into the hands of those most in need?
 - Right strategy to maintain employee-employer ties?
 - Enough for medical care?
 - o The amount spent fighting the virus is relatively small.
 - What about states and local governments?



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Many Policy Alternatives

- Denmark: Pay (discounted) salaries
 - Keeps employees "on the job".
- Temporary UBI
 - \$2k/adult for 6 months \$3.6T
 - Grant if can prove need, otherwise a loan. Grants = \$240B
- Payroll Tax Cut
 - No. Designed to get people back to work. Not yet.
- Excess revenue tax
 - 10% or more above normal, taxed at high rate. (Amazon, Zoom)
- Many others...



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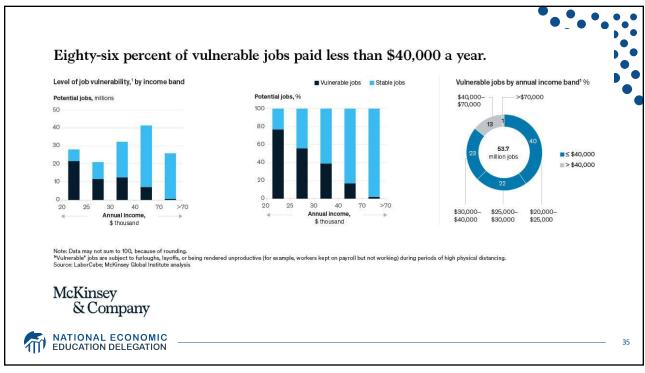
Coronavirus and Inequality



- Racial inequities
- Telecommuting
- Primarily low wage jobs are at risk
- Resources to weather the storm
- Educational inequities



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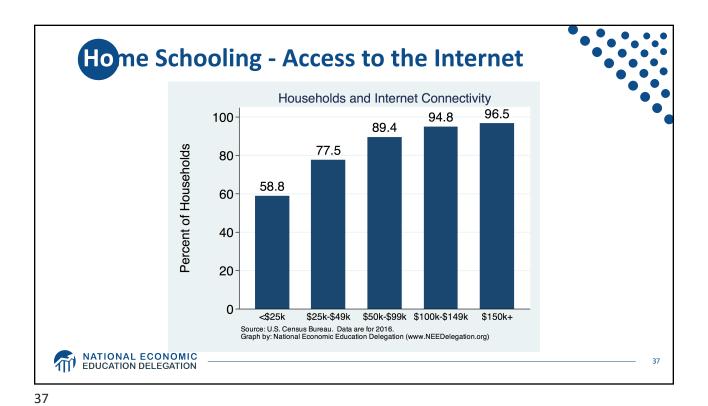
Financial Insecurity Before Coronavirus

- 40% of Americans don't have the cash to pay for a \$400 emergency expense
- 25% have no retirement or pension savings
- Less than 60% can answer at least three basic financial literacy questions correctly.
- 1 in 5 of adults knows someone impacted by the opioid crisis.
- About 25% of borrowers who attended a for-profit college are behind on student loan payments compared with about 10% who attended a public or private college



Source: The Federal Reserve, Survey of Household Economics and Decisionmaking,

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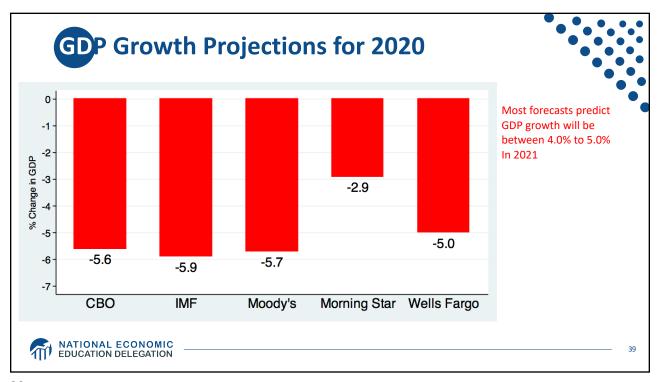
What does the future bring?

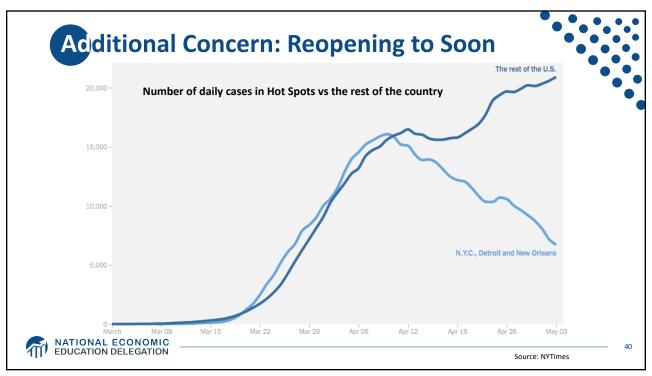


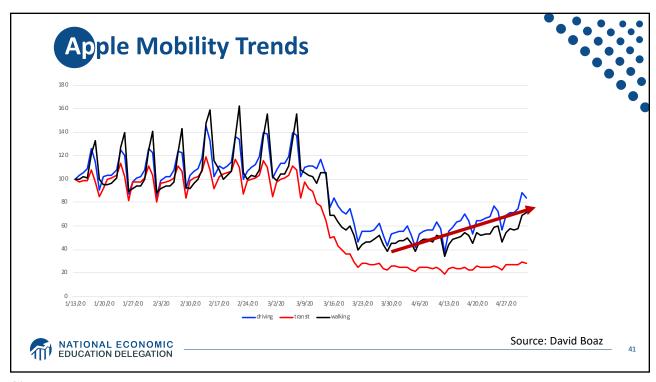
- We won't need "shades" for quite some time.
- Depends on ties between employers and employees.
- Further government policy
 - Aid to state and local governments.
 - Ultimately stimulus but not soon.
- Structural changes to the economy?
 - More telecommuting.
 - More rapid adoption of technology.
 - The way we buy things.



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Cor clusion

- COVID-19 is health crisis that has macroeconomic implications.
- The macroeconomic effects have impacted both supply and demand.
- GDP will likely contract between 5.0 and 6.0 percent this year.
- Positive growth will likely return in 2021 as long as there are preventative medicines and treatments.
- No easy answers trade-offs are between bad outcomes.
- How do we plan for the next pandemic?
- Find the silver lining.



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Any Questions?

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Contact NEED: info@NEEDelegation.org

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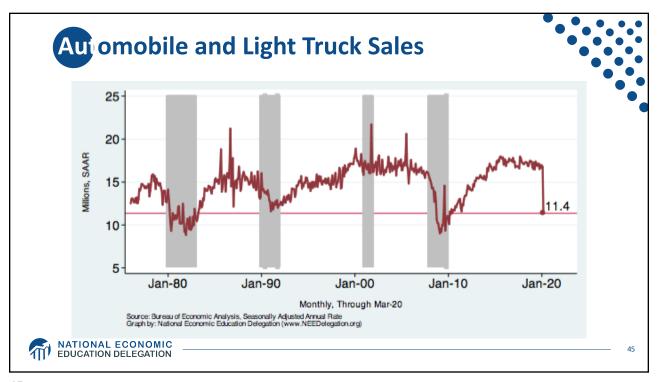
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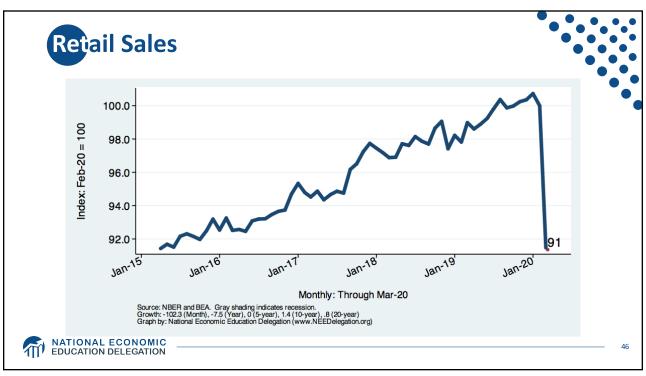
Some Big Concerns

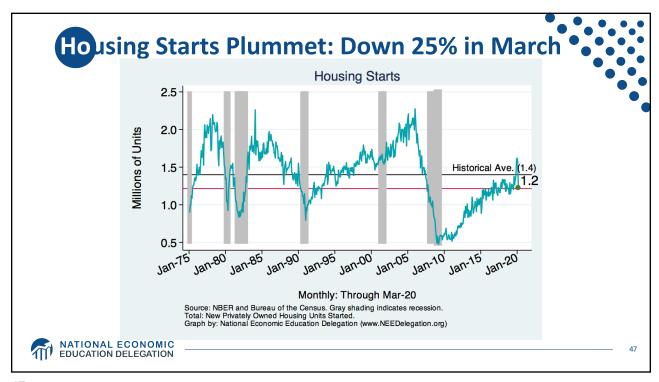
- P. Krugman, "Right now the economy is in the equivalent of a medically induced coma..." (NYTimes, 4/16).
- We are trying to keep the patient alive, but damage is being done;
 - How many personal and business bankruptcies?
 - What is the future of companies that bring many people together?
 - o Cruise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

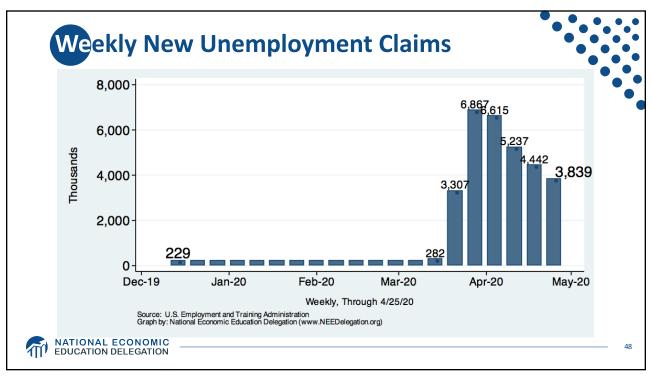


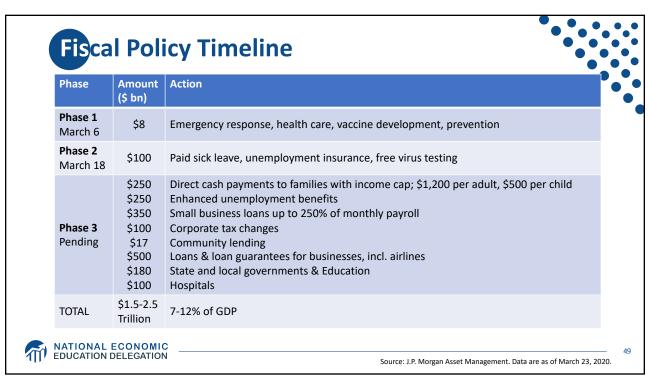
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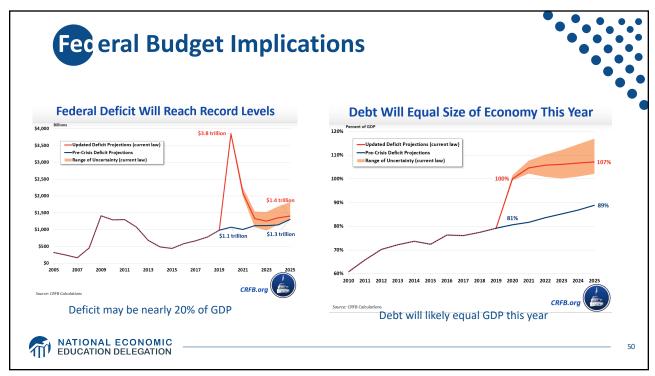


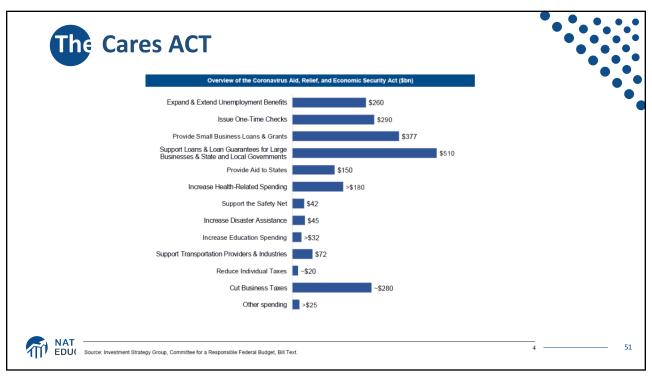


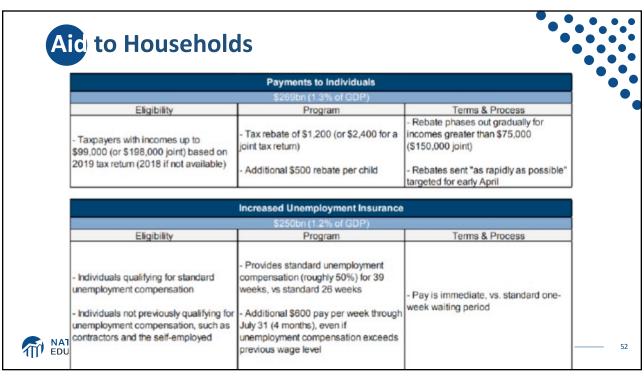


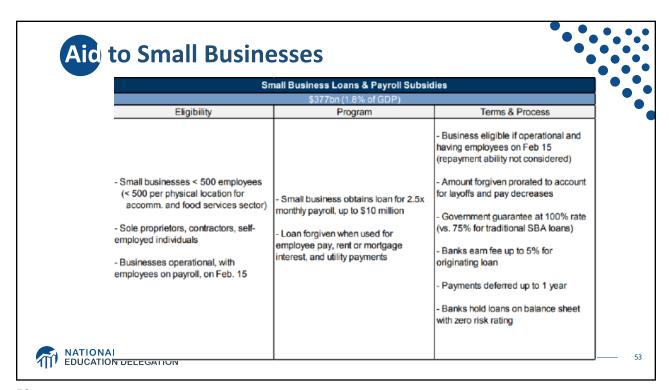


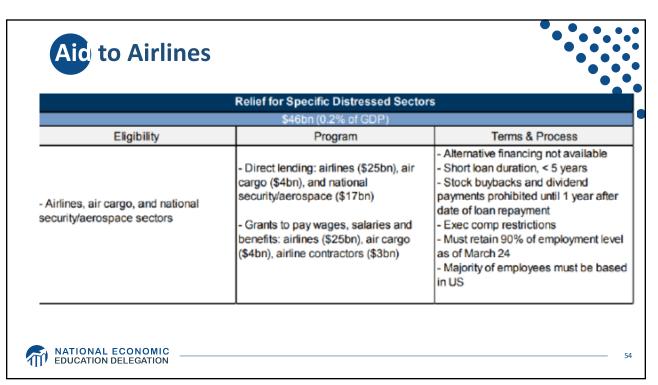


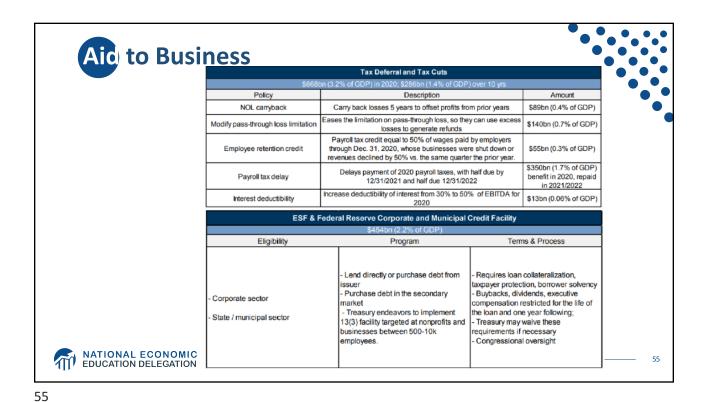


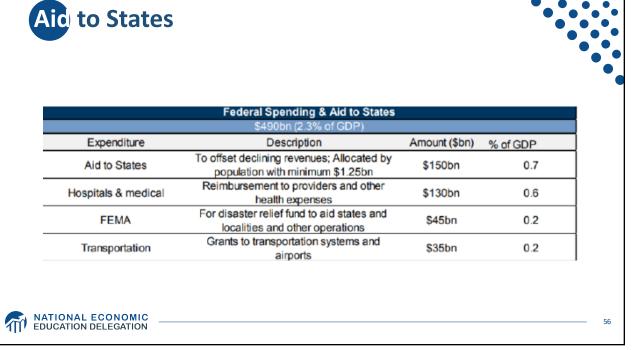












Monetary Policy Timeline			
	Date	Action	
Stabilization	March 3	Fed Funds Rate Lowered 1.75-1.5 to 1.25-1	
	March 15	Fed Funds Rate Lowered to 0.25-0 Announced QE of \$700 billion	
	March 17	Commercial Paper Funding Facility Primary Dealer Credit Facility	
dity	March 18	Money Market Mutual Fund Liquidity Facility	
Liquidit	March 23	Primary Market Corporate Credit Facility Secondary Market Corporate Credit Facility Term Asset-Backed Securities Loan Facility Unlimited QE	
ANATIONAL FOONOMIO	TBA	Main Street Business Lending Program	
EDUCATION DELEGATION			

Federal Reserve: Standard Operations



- Federal Funds Rate: The Federal Reserve lowered the targeted Federal funds rate on March 3 and again on March 15 moving the targeted Federal Funds rate to zero.
- **Discount Window Lending:** Lowered the interest rate it charges banks to borrow from 1.75% to 0.25%.
- **Reserve Requirement:** Lowered the reserve requirement to zero.
- **Forward Guidance:** Honed during the Great Recession the Fed tries to set market expectations on the time path of interest rates over time.



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Federal Reserve: Ensure Financial Market Stability

- In mid-March, Treasury and Mortgage Backed Securities markets began behaving irregularly as the demand for liquidity increased.
 - Securities Purchases (Quantitative Easing): Fed Response: purchase treasuries and mortgage backed securities (3/15).
 - Re-launched the **Primary Dealer Credit Facility (PDCF)** in order "smooth market functioning and facilitate the availability of credit to businesses and households (3/17).
 - Re-instituted the Money Market Mutual Fund Liquidity Facility (MMLF) to "assist money market mutual funds in meeting demands for redemptions by households and investors enhancing overall market function and credit provision to the broader economy."
 - Increased liquidity in the repo market. The repo market is where firms borrow and lend cash and short-term securities. The Fed was offering \$100 billion in overnight loans and \$20 billion in two-week loans.
 - o The Fed increased the offerings to \$1 trillion (from \$100 bn) in overnight repos, and
 - o \$500 billion in one month and three-month repos (from \$20bn 2/wks).



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Federal Reserve: Support Corporations and Business

- Created the **Primary Market Corporate Credit Facility (PMCF)** allows the Fed to lend directly to corporations by buying new bond issuances and providing loans (3/17).
- Instituted the **Commercial Paper Funding Facility (CPFF)** the Fed can purchase commercial paper from firms at a given interest rate effectively, the Fed is lending directly to firms. (3/17)
- Main Street (Expanded) Loan Facility: Through the CARES Act these two programs offer four-year loans to US businesses with up to 10,000 employees or revenues less than \$2.5 billion. (4/9)
- Paycheck Protection Program Facility: Facilitates loans under the Small Business Administration Paycheck Protection Program



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