



COVID-19: Economic Implications and Policy Response

Los Altos Rotary Club

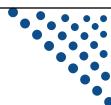
April 30, 2020 Jon Haveman, Ph.D. Executive Director, NEED





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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

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



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Credits and Disclaimer



- This slide deck was authored by:
 - Jon D. Haveman, NEED
 - Scott Baier, Clemson University

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

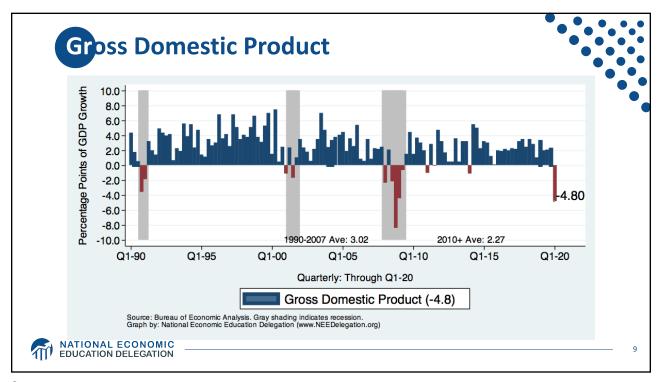


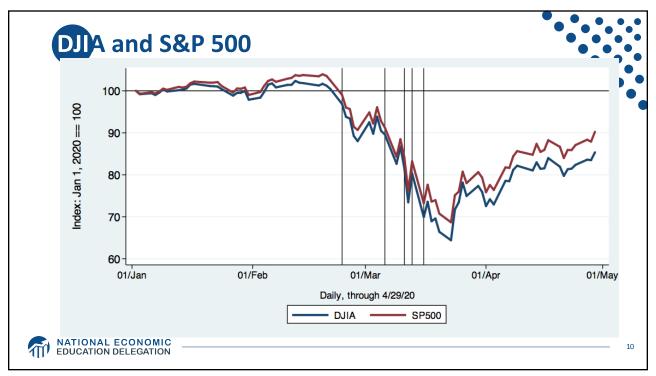


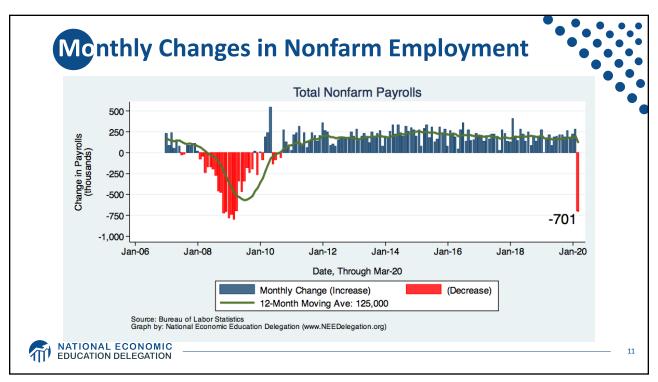
- Mechanisms of impact:
 - Consumer spending
 - Government spending
 - Business investment
- Where does it show up?
 - GDP
 - Stock markets
 - Unemployment

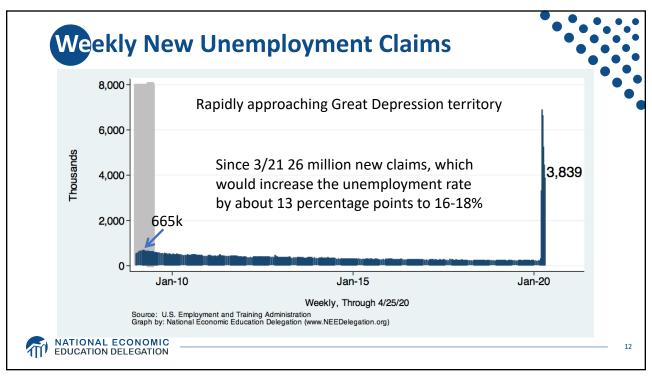


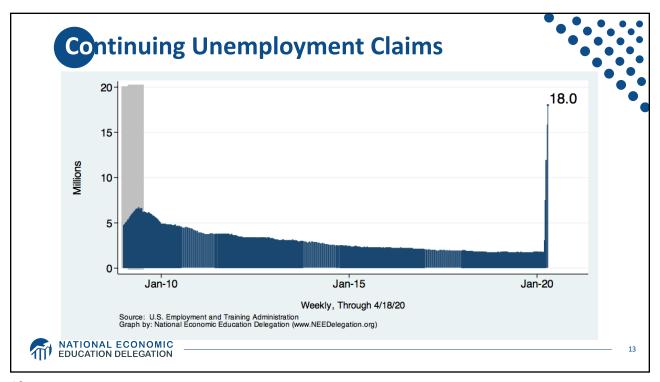
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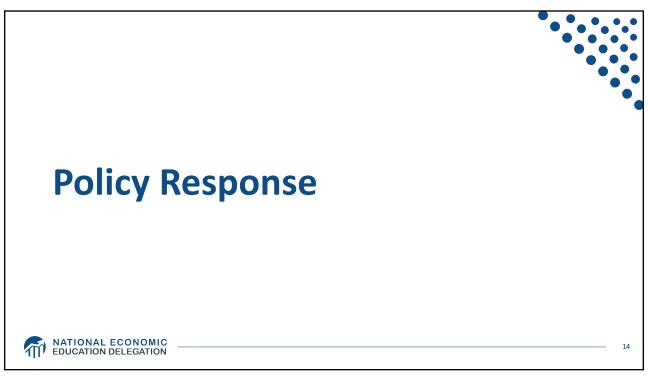












A Tale of Three Policies Efforts



• 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 support.
- Health care system support.

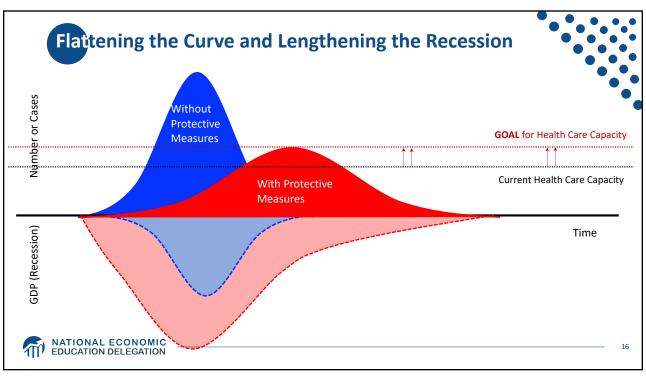
Monetary Policy

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



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BOTE: Back Of The Envelope



- \$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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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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Fiscal Policy - Congress



- Phase 1
 - \$8 billion to mitigate the crisis
- Phase 2
 - \$100 Billion get people to stay at home, safety net
- Phase 3
 - \$2.2 Trillion support individuals and businesses
 - \$484 Billion more of the same
- Phase 4
 - ???



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How Do We Pay for This? Good News: Treasury Interest Rates are Near Zero • Bad News: The Long-term Budget Outlook was already a Mess 200 Projected Don't worry about the drought when the house is on fire! Depression 50 World War I Civil War 1830 1850 1870 1890 1910 1930 1950 1970 1990 2010 2030 2050 1790 NATIONAL ECONOMIC 20 EDUCATION DELEGATION CBO, "The Budget and Economic Outlet: 2020-2030," 1/2020

Monetary Policy – Federal Reserve



Two primary objectives

- Stabilize the economy
- Maintain liquidity of the system

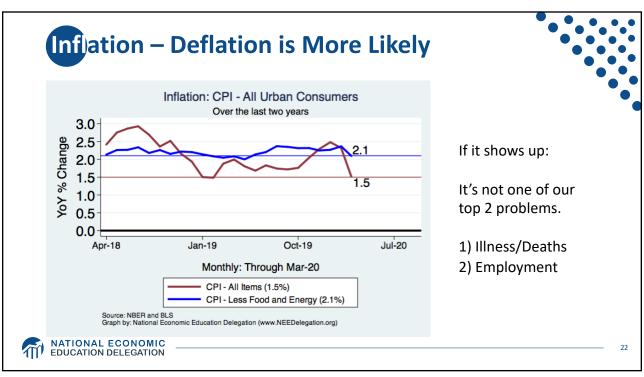
Actions in three forms:

- Inject cash into the system
- Traditional interest rate stimulus
- Shore up existing debt and structures



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- 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.



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Coronavirus and Inequality



- Low wage jobs are at risk.
- Resources to weather the storm.
- Racial inequities.
- Educational inequities



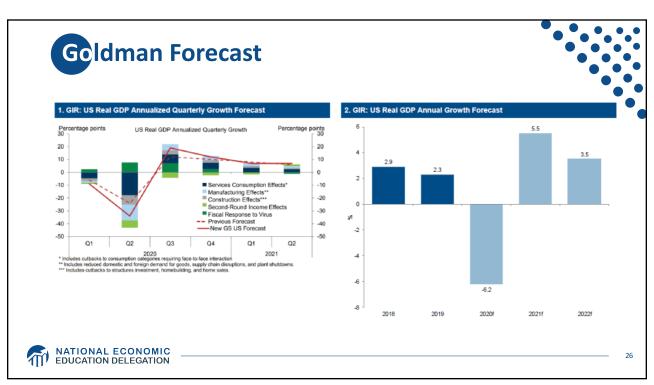
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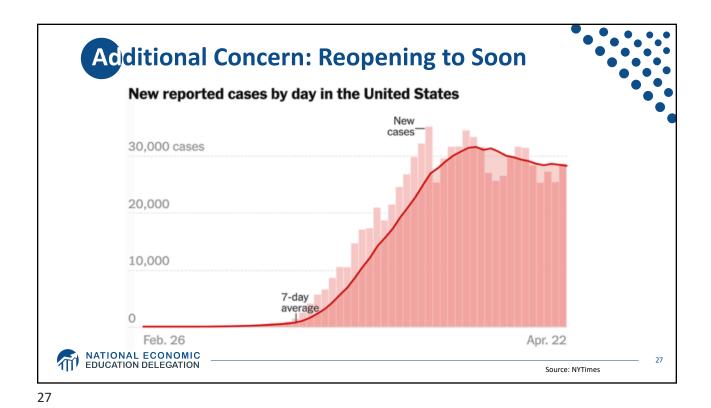


- We won't need "shades" for quite some time.
- Depends on ties between employers and employees.
- Further government policy
 - Aid to state and local governments.
 - Ultimately stimulus but not soon.
- Structural changes to the economy?
 - More telecommuting.
 - More rapid adoption of technology.
 -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

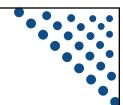


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Any Questions?

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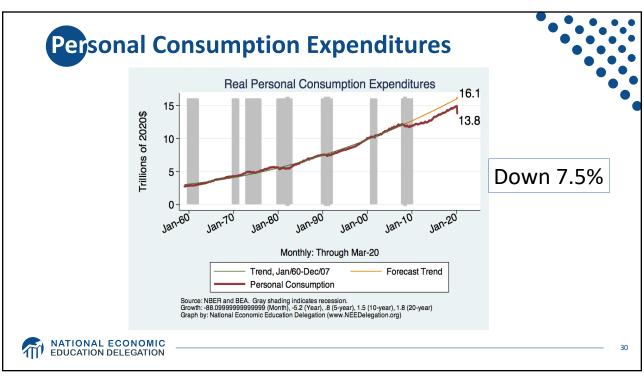
Some Big Concerns

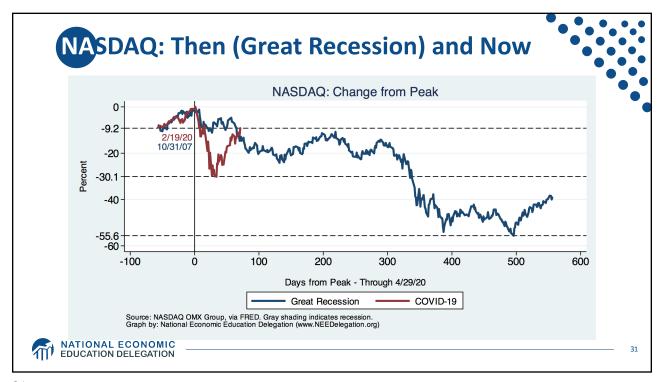
- P. Krugman, "Right now the economy is in the equivalent of a medically induced coma..." (NYTimes, 4/16).
- We are trying to keep the patient alive, but damage is being done;
 - How many personal and business bankruptcies?
 - What is the future of companies that bring many people together?
 - o Cruise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

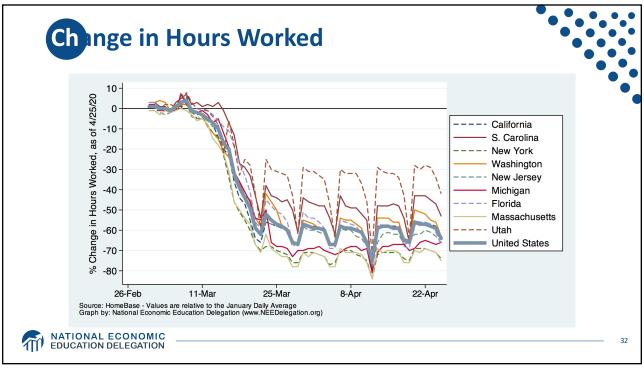


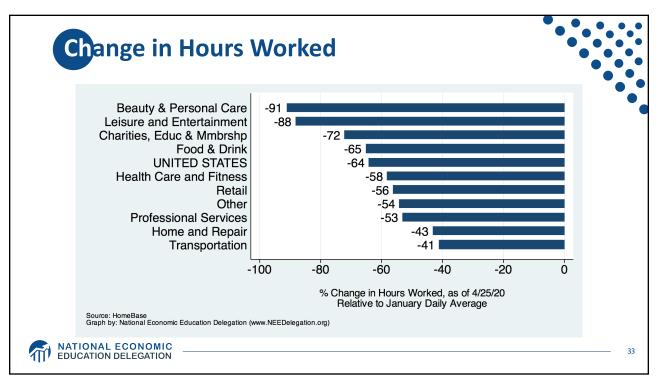
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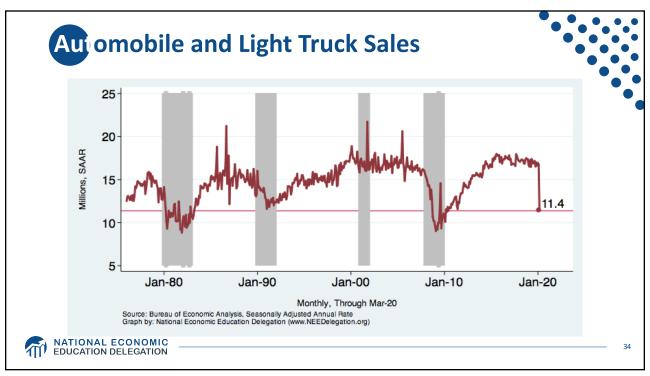
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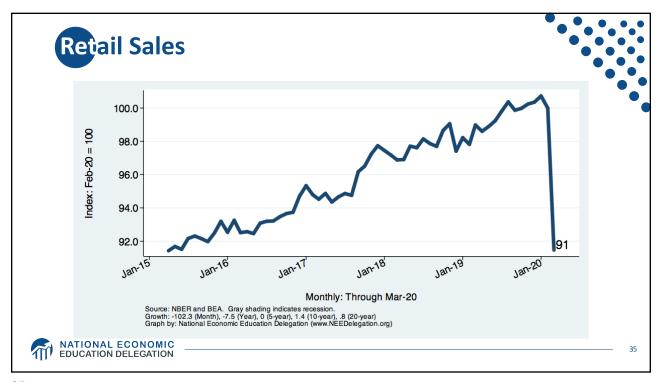


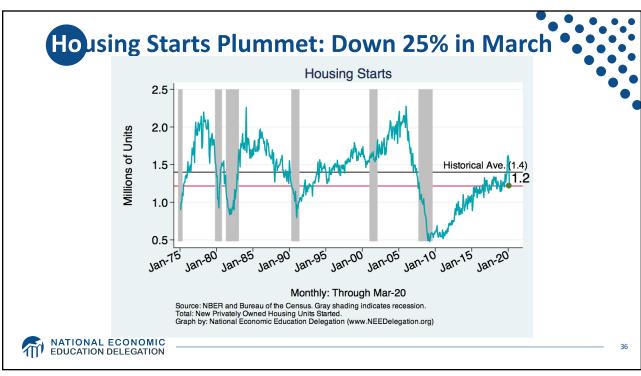


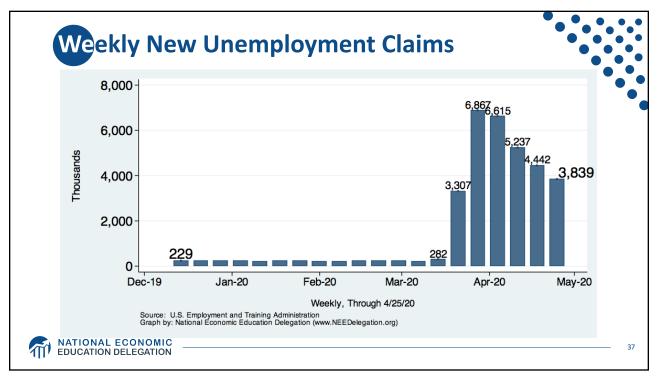












What Economic Policy Can't Do in this Crisis

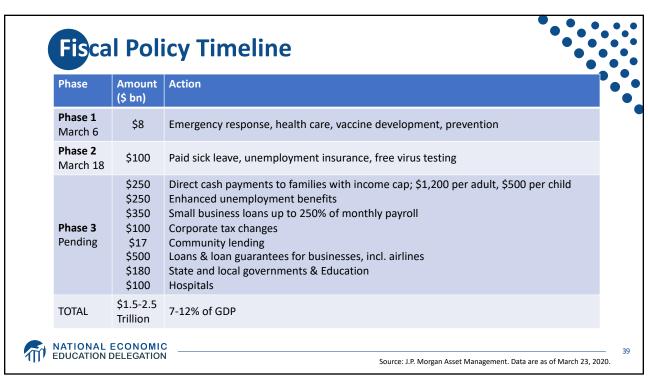


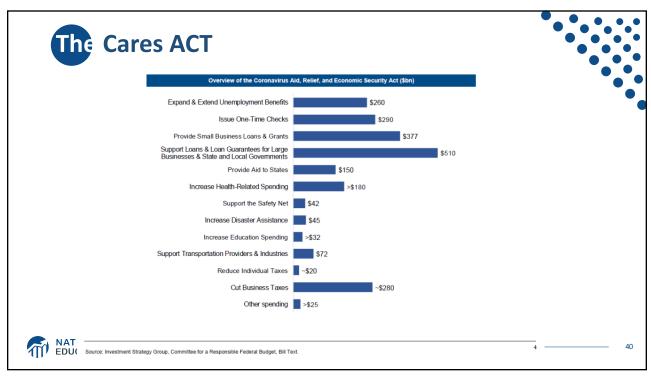
- Fiscal:
 - 1. Tax cuts
 - 2. Increased spending
- Monetary
 - Reduce short-term interest rates
 - 2. Reduce long-term interest rates using (Q)uantitative (E)easing

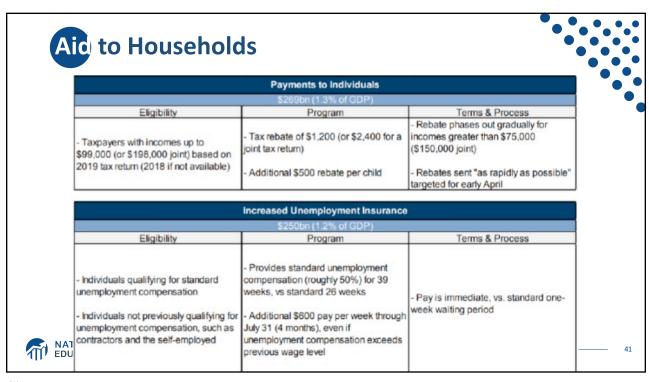
But, if people can't leave their homes changing these policies won't work – Go on a cruise because of tax cut or lower interest rate?

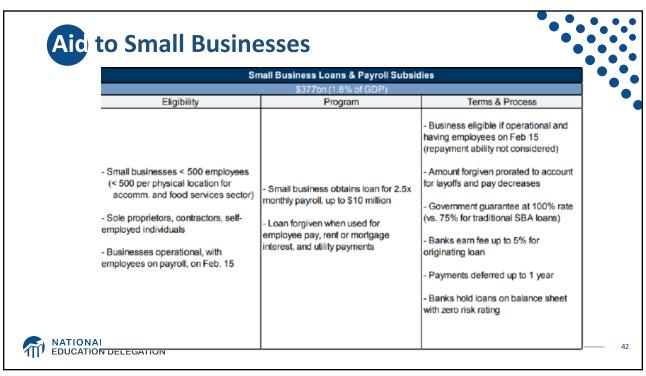


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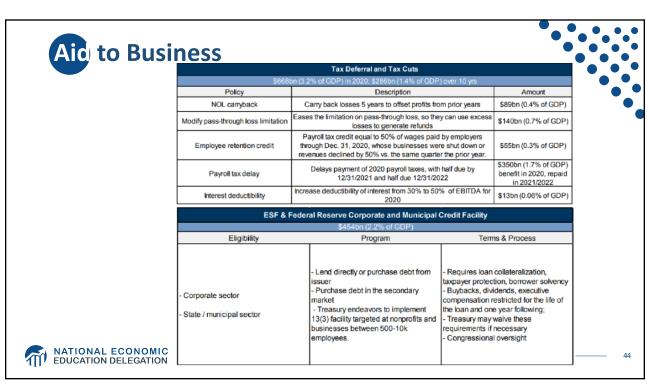




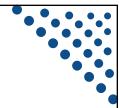


	Relief for Specific Distressed Sectors	;			
\$46bn (0.2% of GDP)					
Eligibility	Program	Terms & Process			
- Airlines, air cargo, and national security/aerospace sectors	- Direct lending: airlines (\$25bn), air cargo (\$4bn), and national security/aerospace (\$17bn) - Grants to pay wages, salaries and benefits: airlines (\$25bn), air cargo (\$4bn), airline contractors (\$3bn)	- Alternative financing not available - Short loan duration, < 5 years - Stock buybacks and dividend payments prohibited until 1 year after date of loan repayment - Exec comp restrictions - Must retain 90% of employment level as of March 24 - Majority of employees must be based in US			

NATIONAL ECONOMIC EDUCATION DELEGATION







	Federal Spending & Aid to States		
	\$490bn (2.3% of GDP)		
Expenditure	Description	Amount (\$bn)	% of GDP
Aid to States	To offset declining revenues; Allocated by population with minimum \$1.25bn	\$150bn	0.7
Hospitals & medical	Reimbursement to providers and other health expenses	\$130bn	0.6
FEMA	For disaster relief fund to aid states and localities and other operations	\$45bn	0.2
Transportation	Grants to transportation systems and airports	\$35bn	0.2



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Many Policy Alternatives

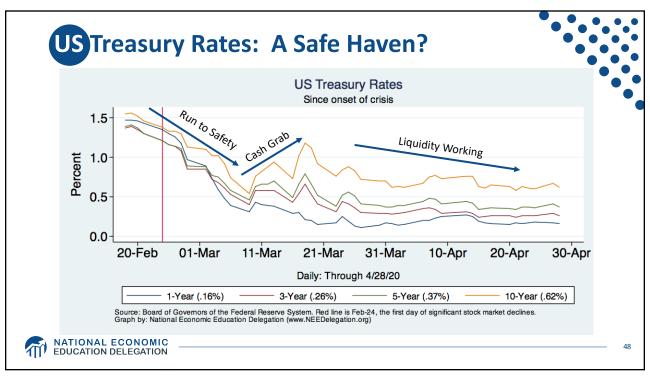


- Denmark: Pay (discounted) salaries
 - Keeps employees "on the job".
- Temporary UBI
 - \$2k/adult for 6 months \$3.6T
 - Grant if can prove need, otherwise a loan. Grants = \$240B
- Payroll Tax Cut
 - No. Designed to get people back to work. Not yet.
- Excess revenue tax
 - 10% or more above normal,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



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	Date	Action	
ation	March 3	Fed Funds Rate Lowered 1.75-1.5 to 1.25-1	
Stabilization	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	
Liquidity	March 23	Primary Market Corporate Credit Facility Secondary Market Corporate Credit Facility Term Asset-Backed Securities Loan Facility Unlimited QE	
	TBA	Main Street Business Lending Program	



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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