

# COVID-19: Economic Implications and Policy Response

#### The Branson School

May 18, 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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### **Credits and Disclaimer**



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#### Disclaimer

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- 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



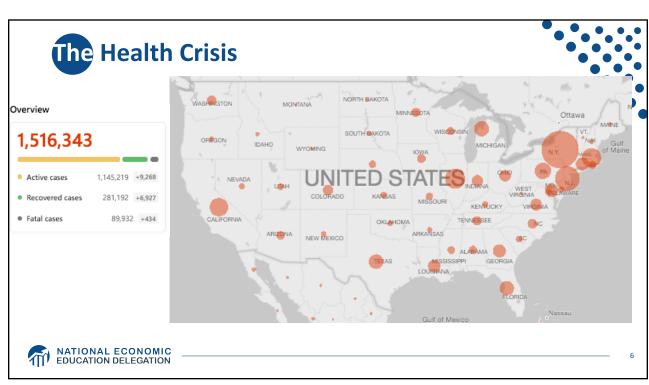
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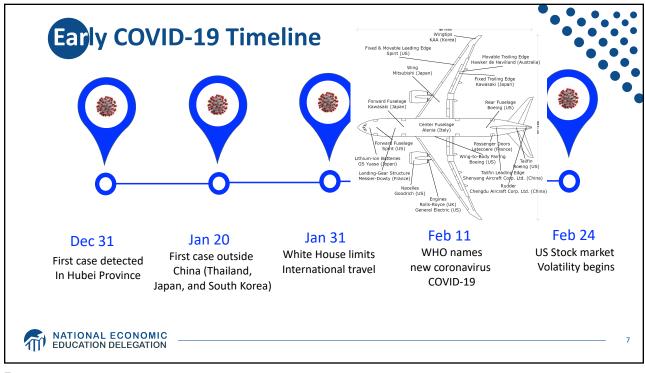




- A natural disaster with important twists:
  - Global
  - Duration is unpredictable
- A health crisis that spilled over onto the economy.
  - A perfect storm of economic troubles
    - Supply side
    - o Demand side
    - o Financial





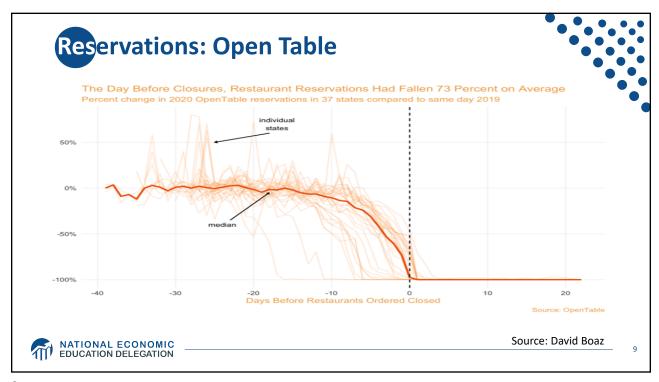


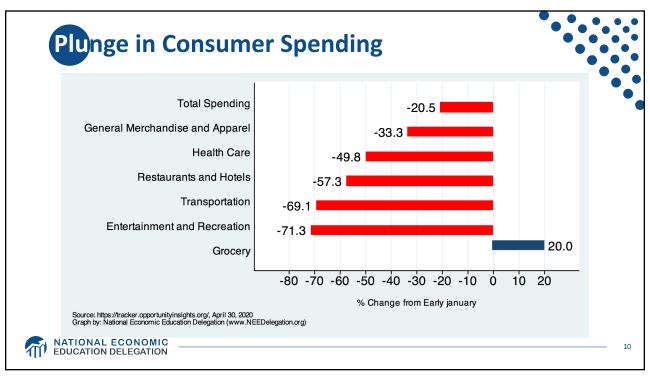
### **Events Canceled**

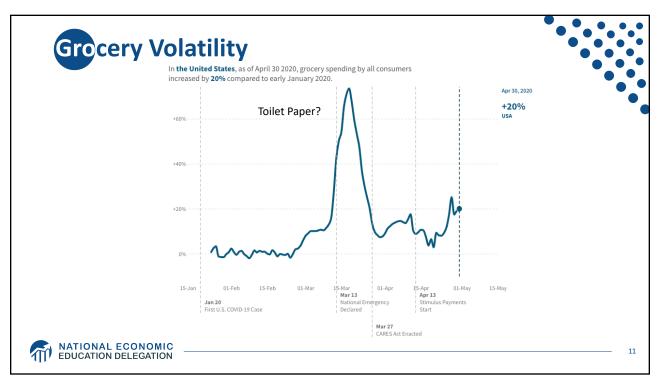
- March 6 SxSW canceled
- March 10 Ivy League cancels its basketball tournament
- March 11 March Madness will be played without fans
- March 12 March Madness canceled
- March 13 Masters and Boston Marathon postponed
- ullet March 15 CDC recommends cancellation of events involving 50+ people
- March 16 Kentucky Derby postponed
- March 19 California becomes the first state to issue a stay-home and business-closing order

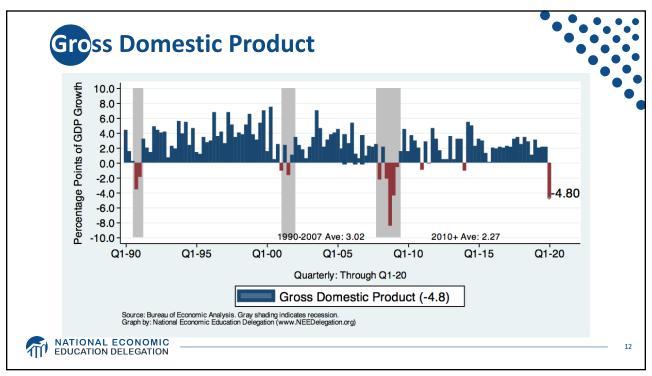


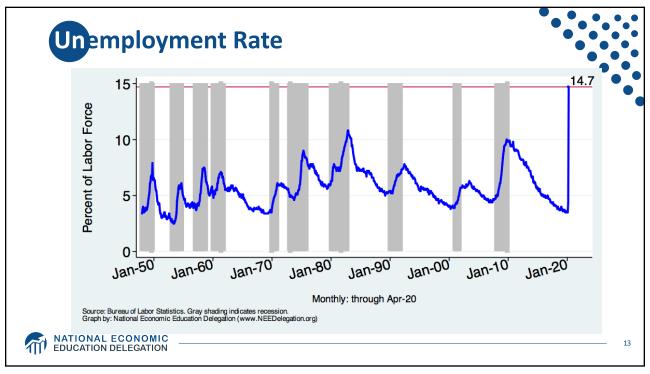
Source: David Boaz and Author

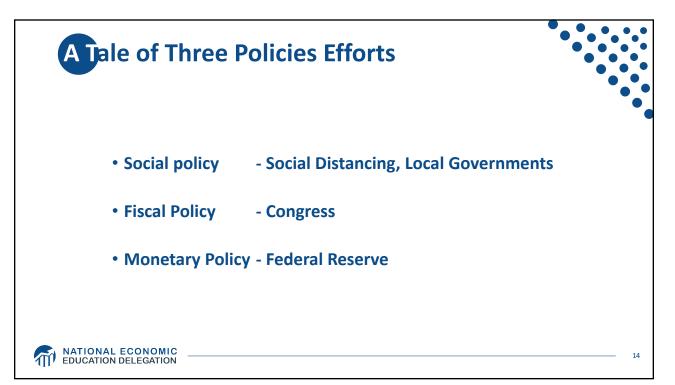


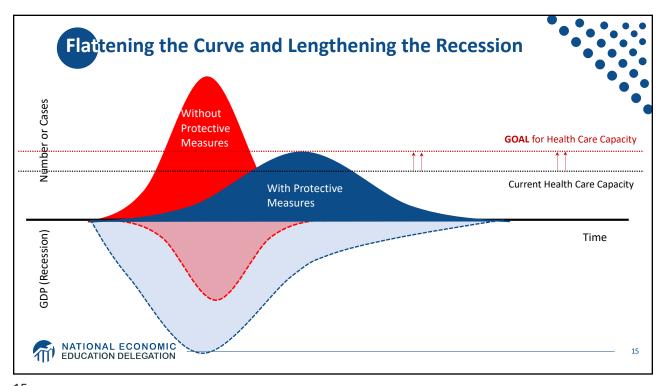














BOTE: Back Of The Envelope



- \$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"

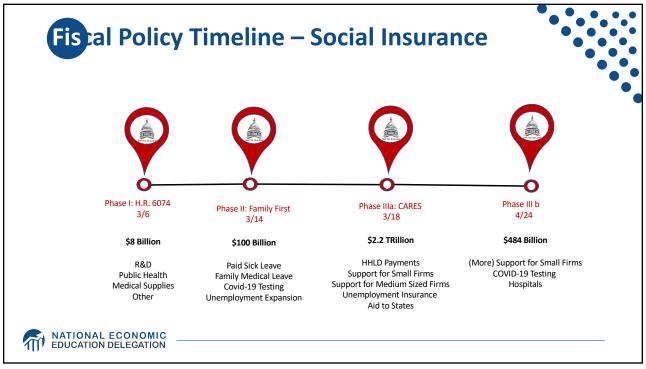
- There are about 70+ workdays in a quarter (plus March).
- The cost of a "lockdown" is roughly \$1.3 Trillion

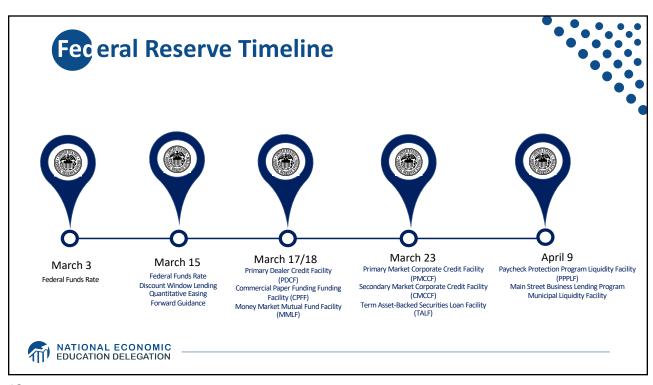
Benefit: \$5.2 trillion > Cost: \$1.3 trillion



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

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#### **Thoughts on Policies to Date**

- Costs are enormous, but we are doing the right thing!
  - And we are doing it VERY QUICKLY!
- Monetary policy: Heroic! A+
- Fiscal policy grade: Emergency Pass
  - Direct cash payments
    - o Are they really getting into the hands of those most in need?
      - Corporate or otherwise?
  - Right strategy to maintain employee-employer ties?
  - What about states and local governments?



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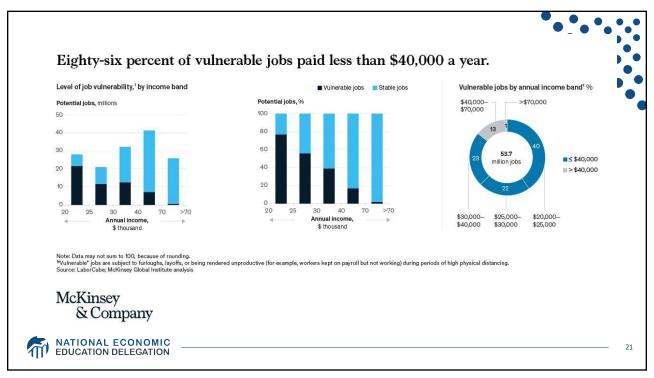
### **Coronavirus and Inequality**

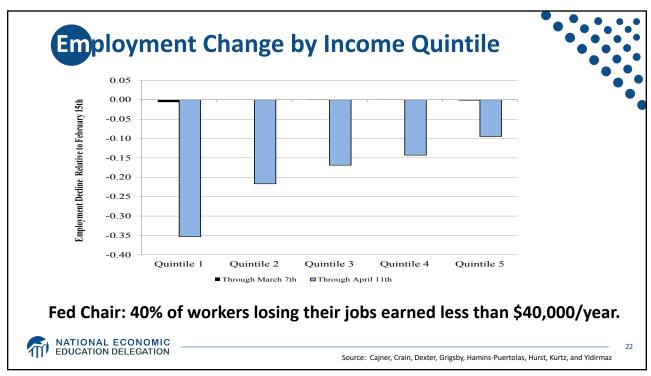


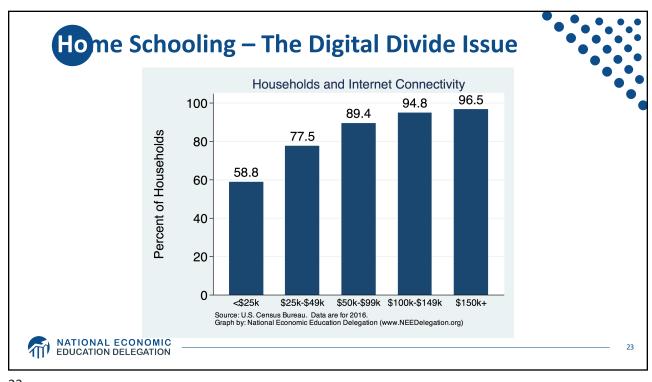
- Racial inequities
- Telecommuting
- Primarily low wage jobs are at risk
- Resources to weather the storm
- Educational inequities



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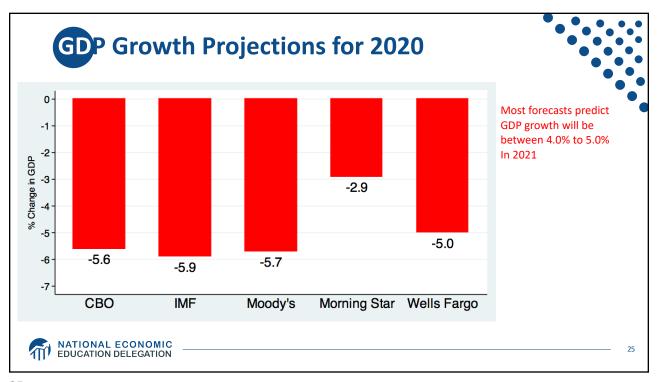
## What does the future bring?

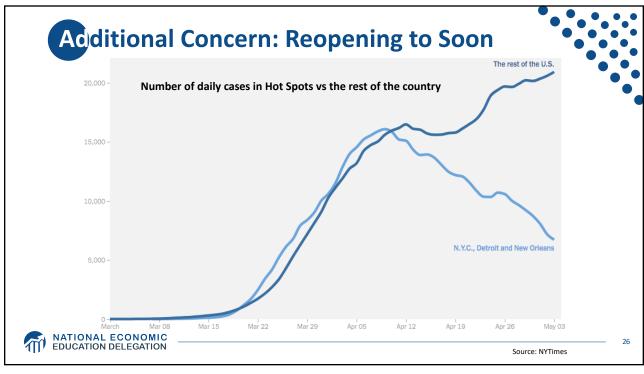


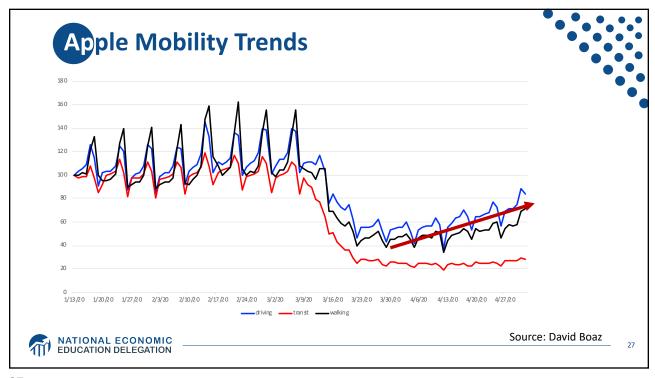
- Depends on ties between employers and employees.
- Further government policy
  - Aid to state and local governments.
  - More aid to the vulnerable.
  - Ultimately stimulus but when?
- Structural changes to the economy?
  - More telecommuting and telehealth.
  - More rapid adoption of technology.
  - The way we buy things.

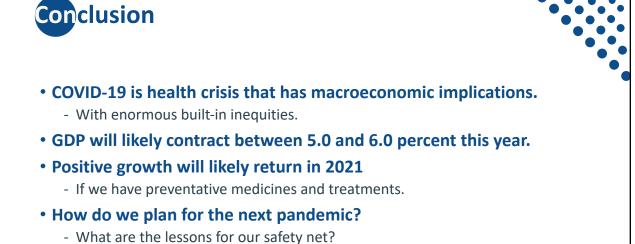


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• Reminder: We need to go slow.

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### **Any Questions?**

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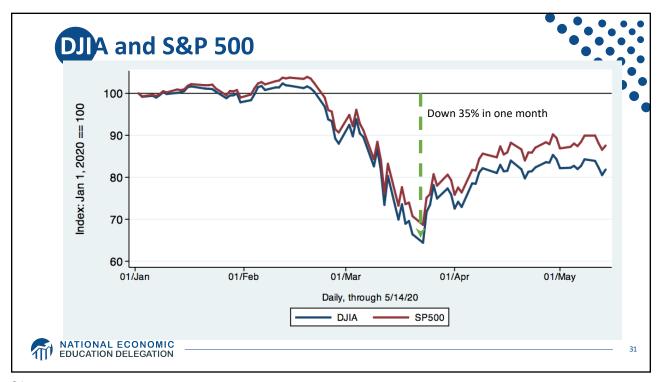


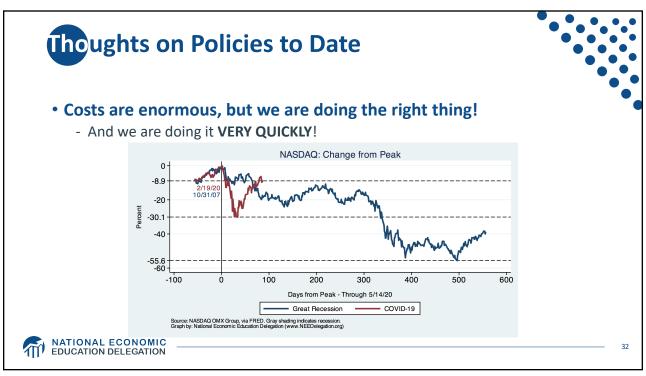
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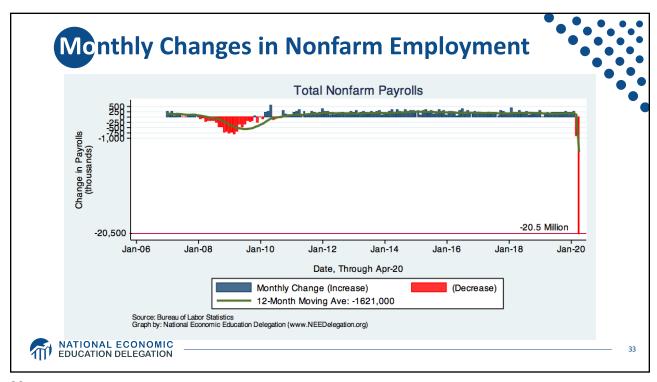
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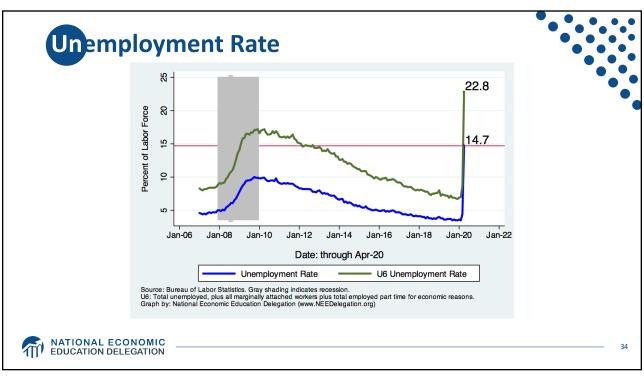
### **Bonus Slides**

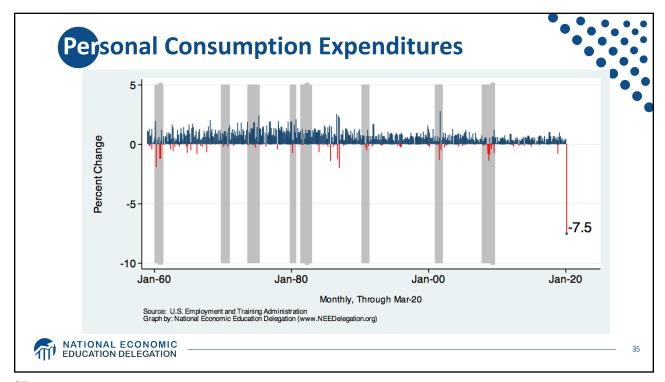


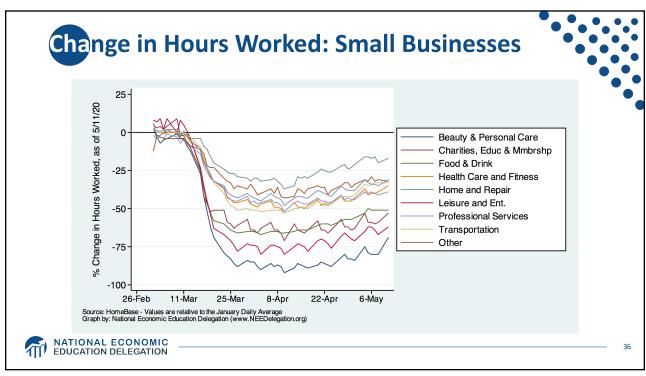


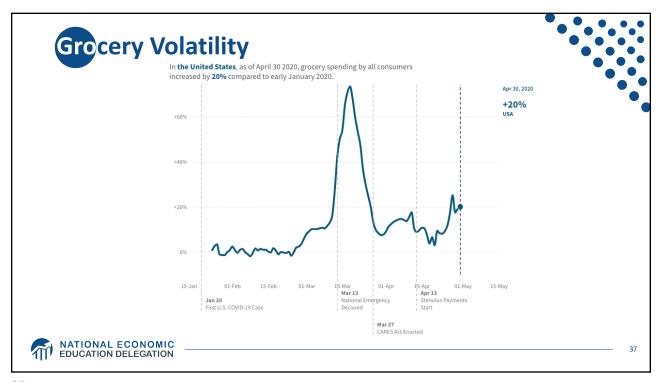


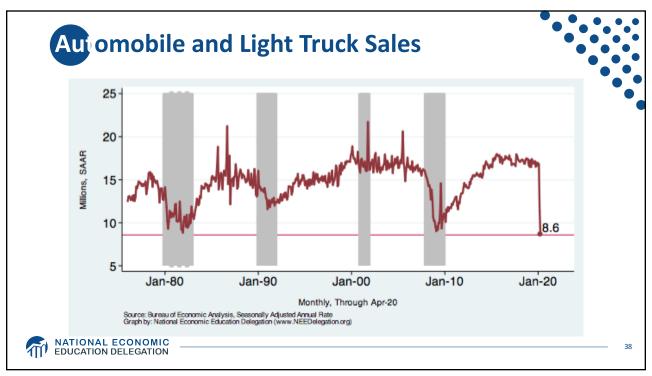


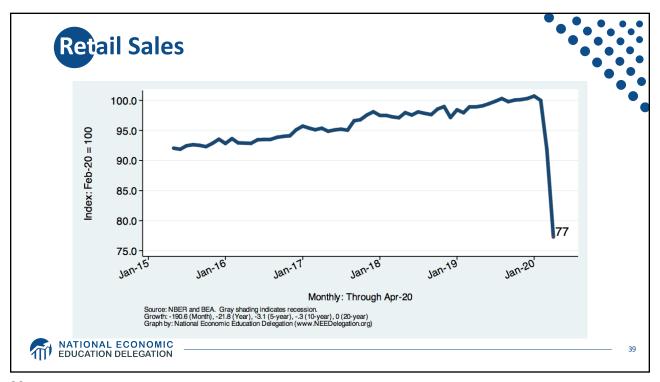


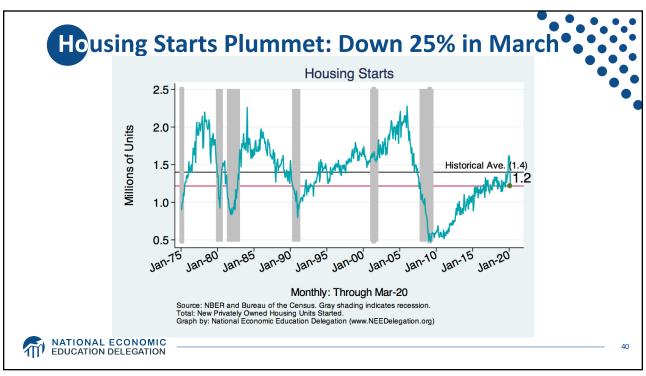


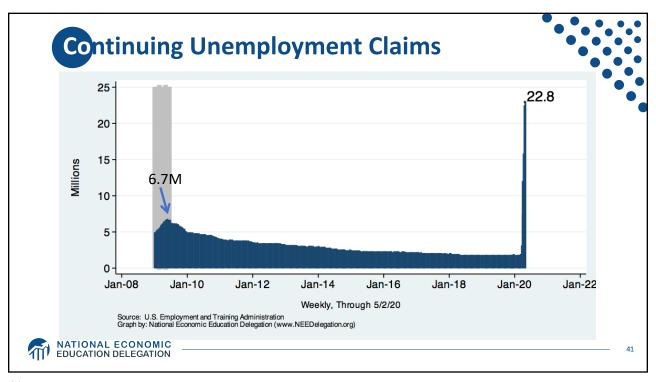












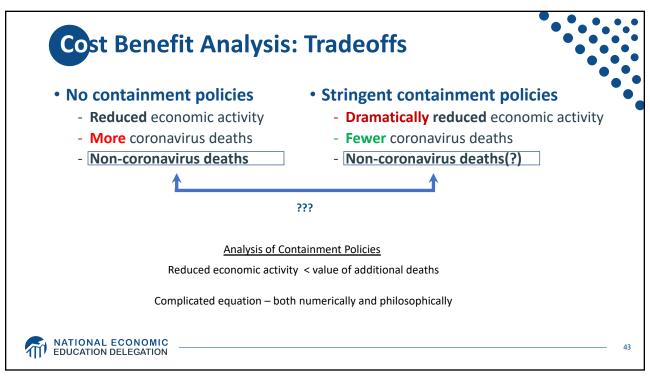
#### Financial Insecurity Before Coronavirus

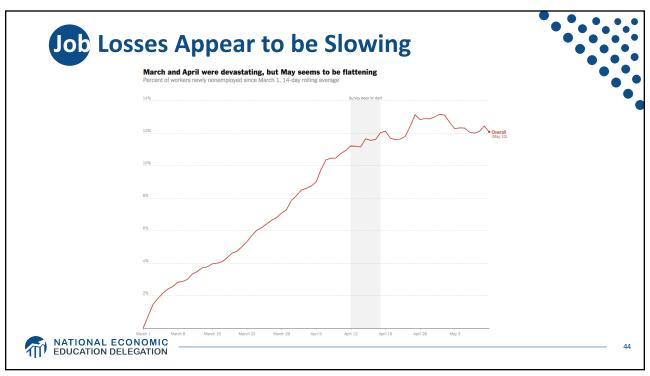
- ency
- 40% of Americans don't have the cash to pay for a \$400 emergency expense
- 25% have no retirement or pension savings
- Less than 60% can answer at least three basic financial literacy questions correctly.
- 1 in 5 of adults knows someone impacted by the opioid crisis.
- About 25% of borrowers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

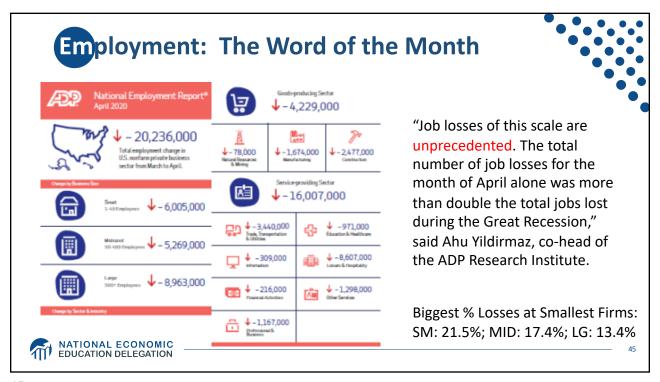


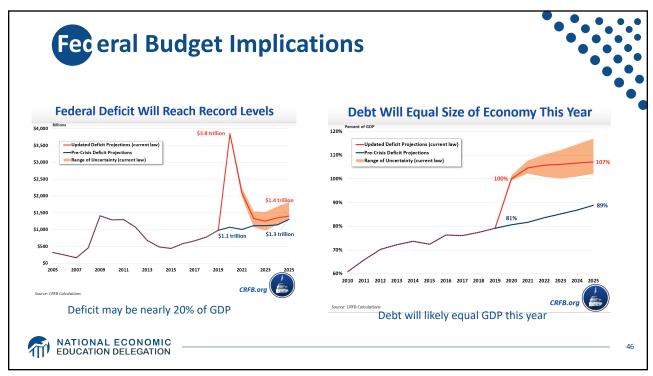
Source: The Federal Reserve, Survey of Household Economics and Decisionmaking,

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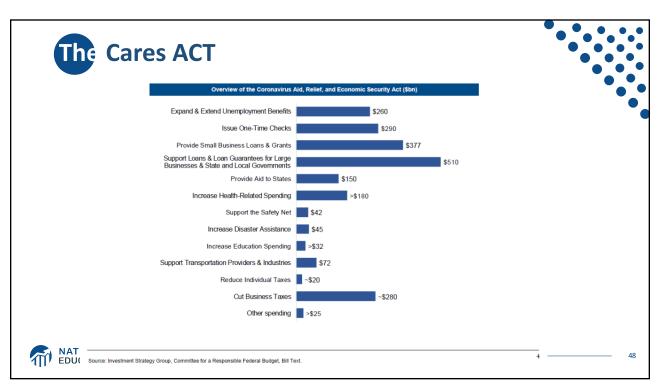
### **Many Policy Alternatives**

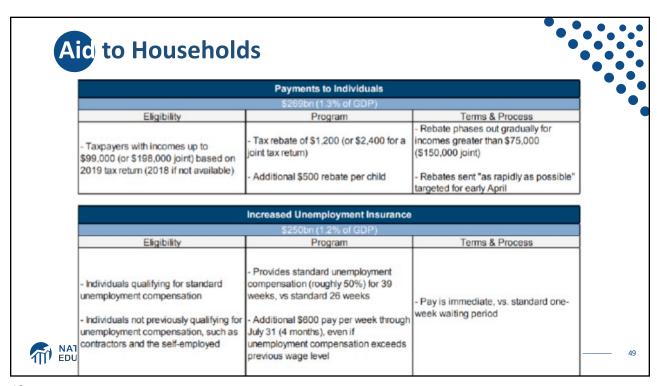
- Denmark: Pay (discounted) salaries
  - Keeps employees "on the job".
- Temporary UBI
  - \$2k/adult for 6 months \$3.6T
  - Grant if can prove need, otherwise a loan. Grants = \$240B
- Payroll Tax Cut
  - No. Designed to get people back to work. Not yet.
- Excess revenue tax
  - 10% or more above normal,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

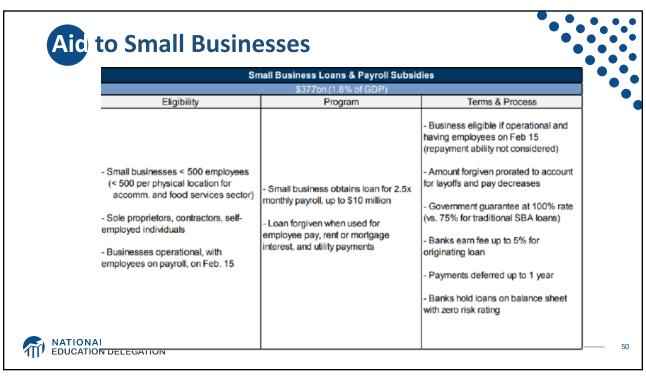


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Relief for Specific Distressed Sectors			
\$46bn (0.2% of GDP)			
Eligibility	Program	Terms & Process	
- Airlines, air cargo, and national security/aerospace sectors	- Direct lending: airlines (\$25bn), air cargo (\$4bn), and national security/aerospace (\$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	



Aic to Business

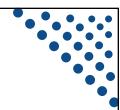
Tax Deferral and Tax Cuts			
\$668bn (3.2% of GDP) in 2020; \$286bn (1.4% of GDP) over 10 yrs			
Policy	Description	Amount	
NOL carryback	Carry back losses 5 years to offset profits from prior years	\$89bn (0.4% of GDP)	
Modify pass-through loss limitation	Eases the limitation on pass-through loss, so they can use excess losses to generate refunds	\$140bn (0.7% of GDP)	
Employee retention credit	Payroll tax credit equal to 50% of wages paid by employers through Dec. 31, 2020, whose businesses were shut down or revenues declined by 50% vs. the same quarter the prior year.	\$55bn (0.3% of GDP)	
Payroll tax delay	Delays payment of 2020 payroll taxes, with half due by 12/31/2021 and half due 12/31/2022	\$350bn (1.7% of GDP) benefit in 2020, repaid in 2021/2022	
Interest deductibility	Increase deductibility of interest from 30% to 50% of EBITDA for 2020	\$13bn (0.06% of GDP)	

ESF & Federal Reserve Corporate and Municipal Credit Facility				
	\$454bn (2.2% of GDP)			
Eligibility	Program	Terms & Process		
- Corporate sector - State / municipal sector	- Lend directly or purchase debt from issuer - Purchase debt in the secondary market - Treasury endeavors to implement 13(3) facility targeted at nonprofits and businesses between 500-10k employees.	- Requires loan collateralization, taxpayer protection, borrower solvency - Buybacks, dividends, executive compensation restricted for the life of the loan and one year following; - Treasury may waive these requirements if necessary - Congressional oversight		





#### **PPP Loan Major Recipients By Industry**



Industry	Amount (Billions)	Percent of Loans
Construction	\$44.9	13.1
Professional, Technical and Scientific, Services	\$43.3	12.7
Manufacturing	\$40.9	12.0
Health Care and Social Assistance	\$39.9	11.7
Accommodation and Food Service	\$30.5	8.9
Retail Trade	\$29.4	8.6
Wholesale Trade	\$19.5	5.7

These seven (7) industries account for nearly 75% of the PPP loans



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### SBIA Distribution



	Distribution of PP	P Eligible Firms	
Firm Size	Percent of Firms	Percent of. Employment	PPP Loan Size (est)
under 5	61.9%	9.8%	\$16,985
5 to 9	16.9%	11.0%	\$57,239
10 to 19	10.6%	14.0%	\$121,470
20 to 99	9.1%	35.3%	\$387,137
100 to 499	1.5%	29.9%	\$2,248,253

But Is It Enough? Loans: are for 8 weeks







	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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### **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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#### 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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#### Other Countries Are Doing it Better Unemployment claims as share of the labor force U.S. 14.8 Canada Norway U.K. Australia Denmark New Zealand France 0.4 Netherlands 0.1 Germany -0.1 By The New York Times | Source: Brookings NATIONAL ECONOMIC EDUCATION DELEGATION

