



# COVID-19: Economic Implications and Policy Response

Rotary Club of Silicon Valley Passport

April 11, 2020  
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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**
- **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

- **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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## Outline

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



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## What is this?

- **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
    - Supply side
    - Demand side
    - Financial
  - Without a culprit



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## Process for Dealing with a Natural Disaster

- **Mitigation of effects**
- **Tend to the vulnerable**
- **Short up structures**
- **Rebuild**

This crisis requires the same approach and sequence.

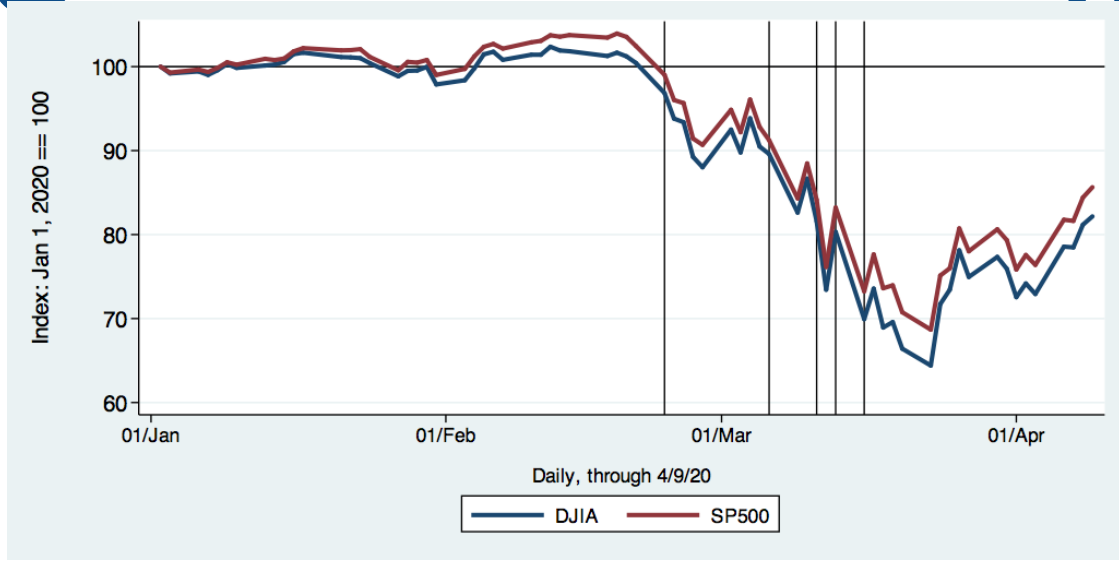


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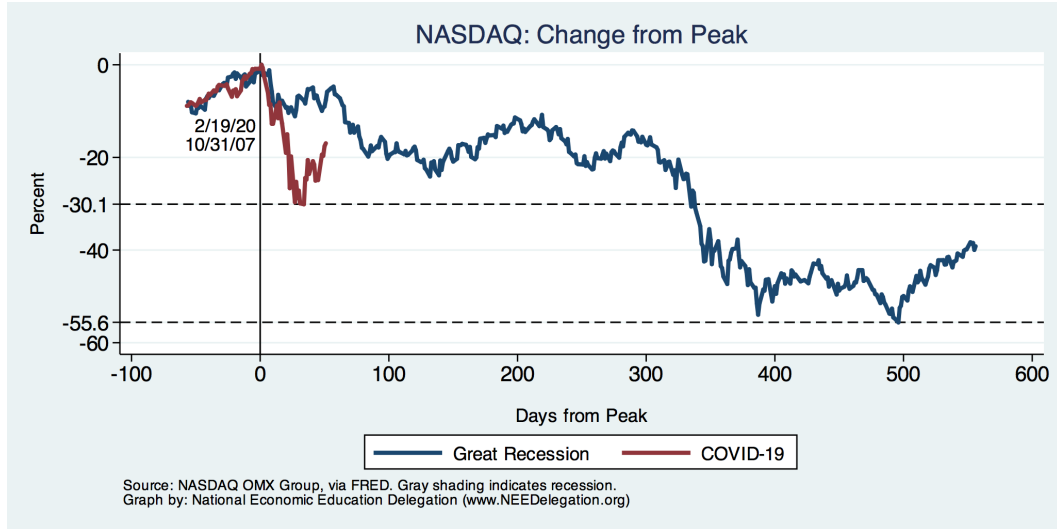
# Evidence of Impact

- Really too soon to tell.
- Early metrics:
  - Stock markets
  - Jobs
    - Job creation
    - Hours worked
    - Unemployment
  - Car and Truck Sales

# DJIA and S&P 500

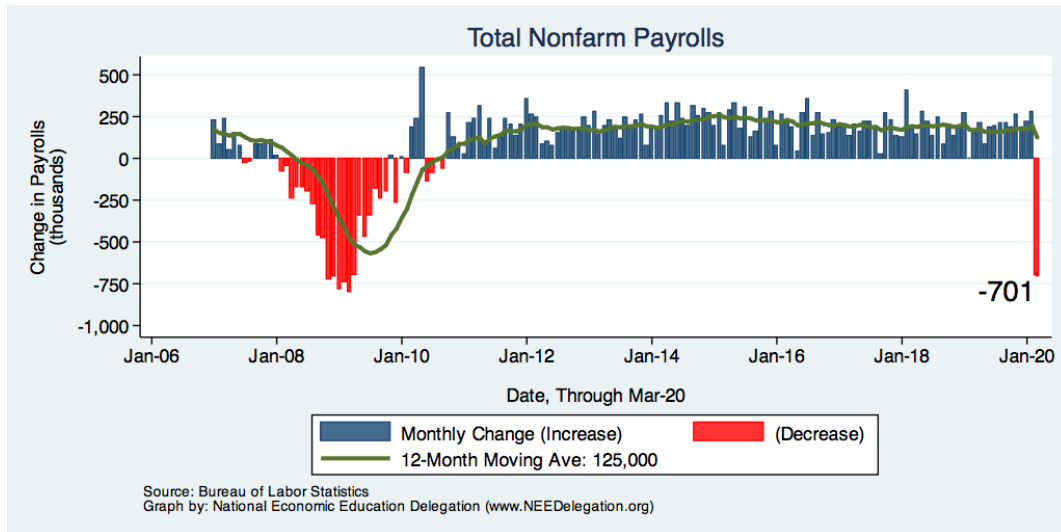


# NASDAQ: Then (Great Recession) and Now



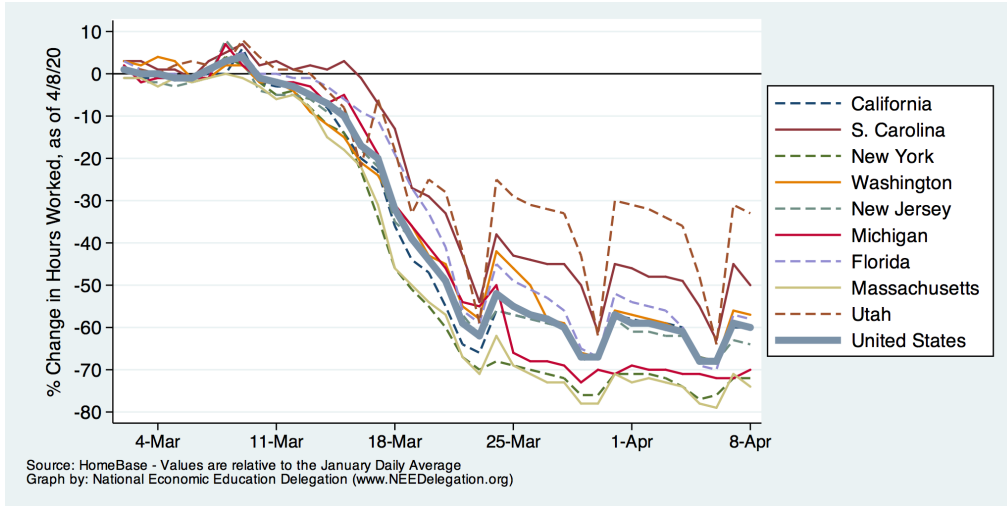
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# Monthly Changes in Nonfarm Employment



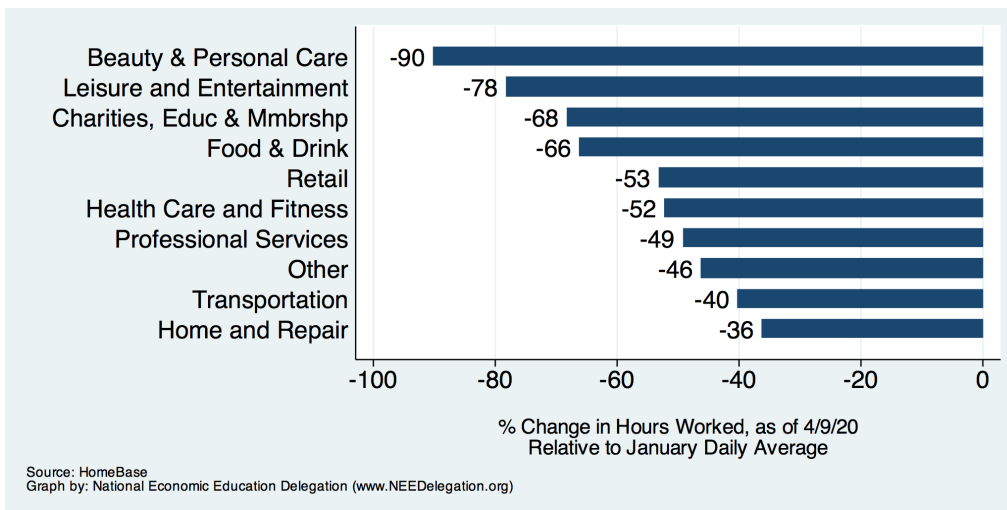
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## Change in Hours Worked



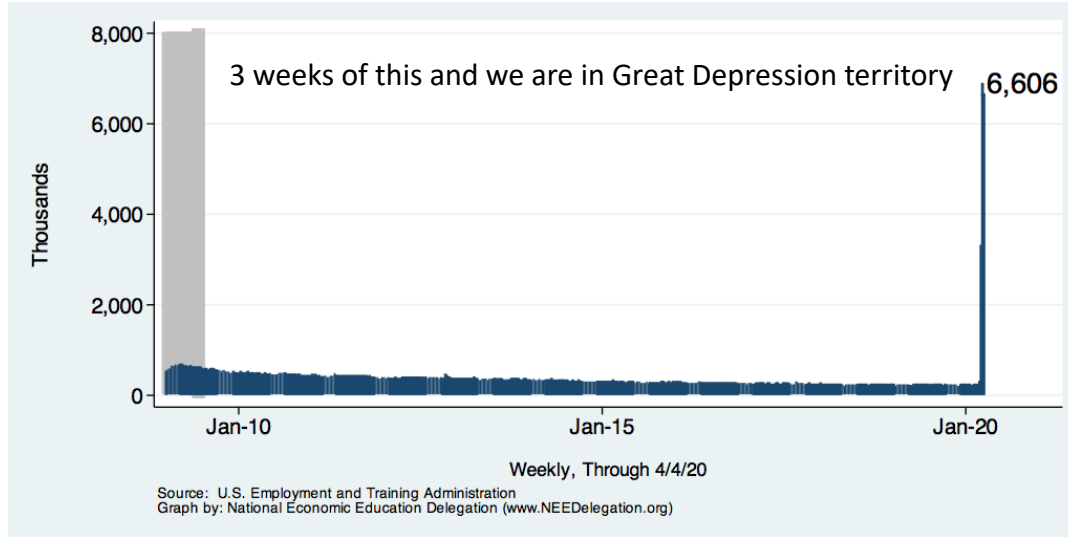
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## Change in Hours Worked



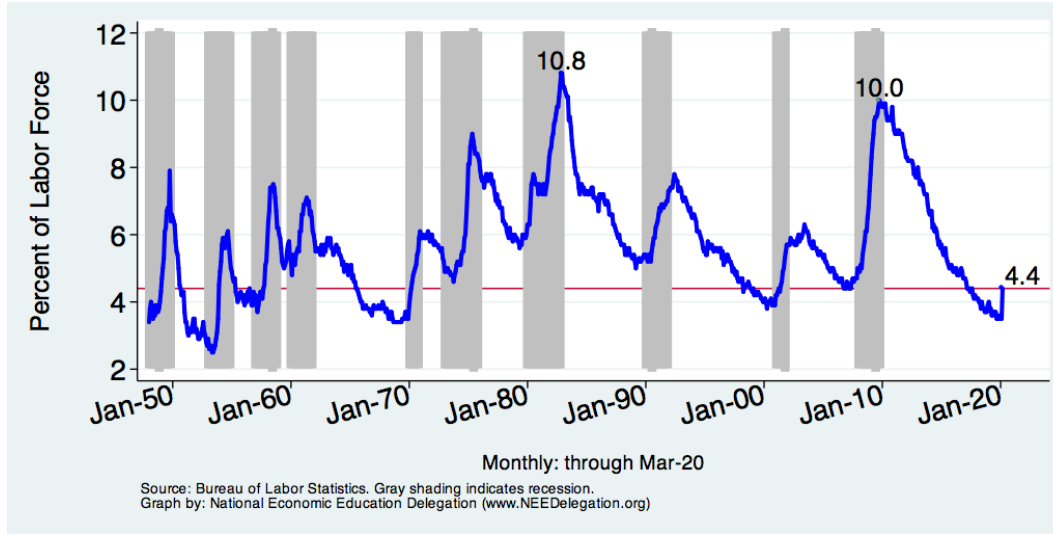
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# Weekly New Unemployment Claims



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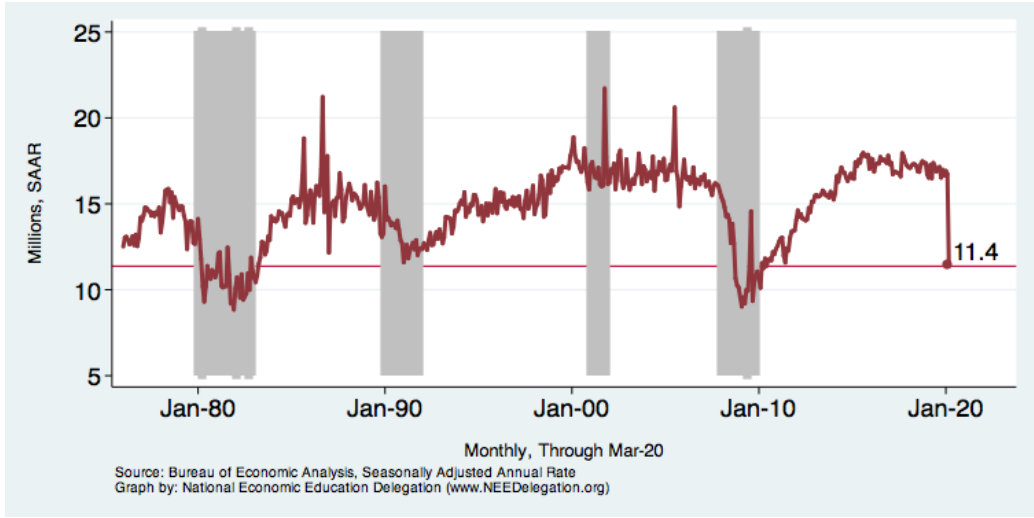
# Unemployment Rate



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# Automobile and Light Truck Sales



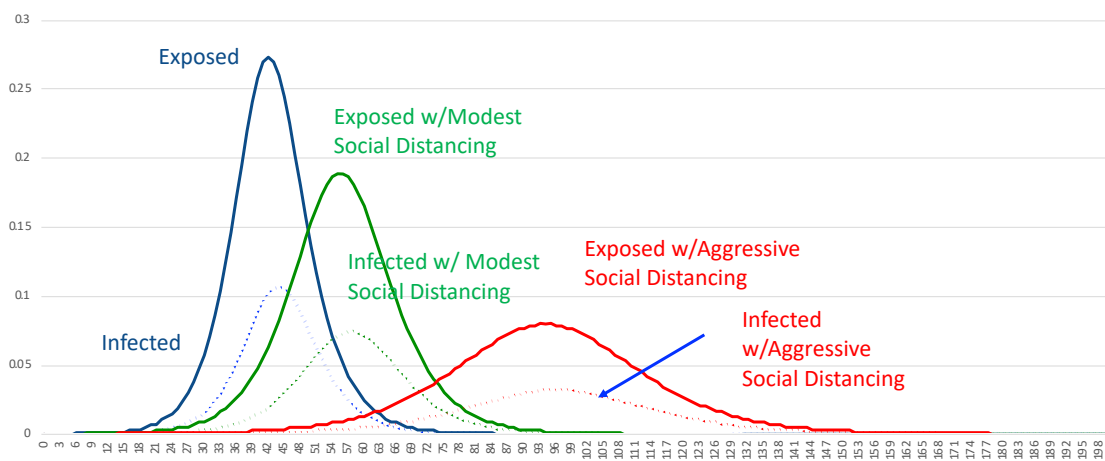
# Policy Response

# A Tale of Three Policies Efforts

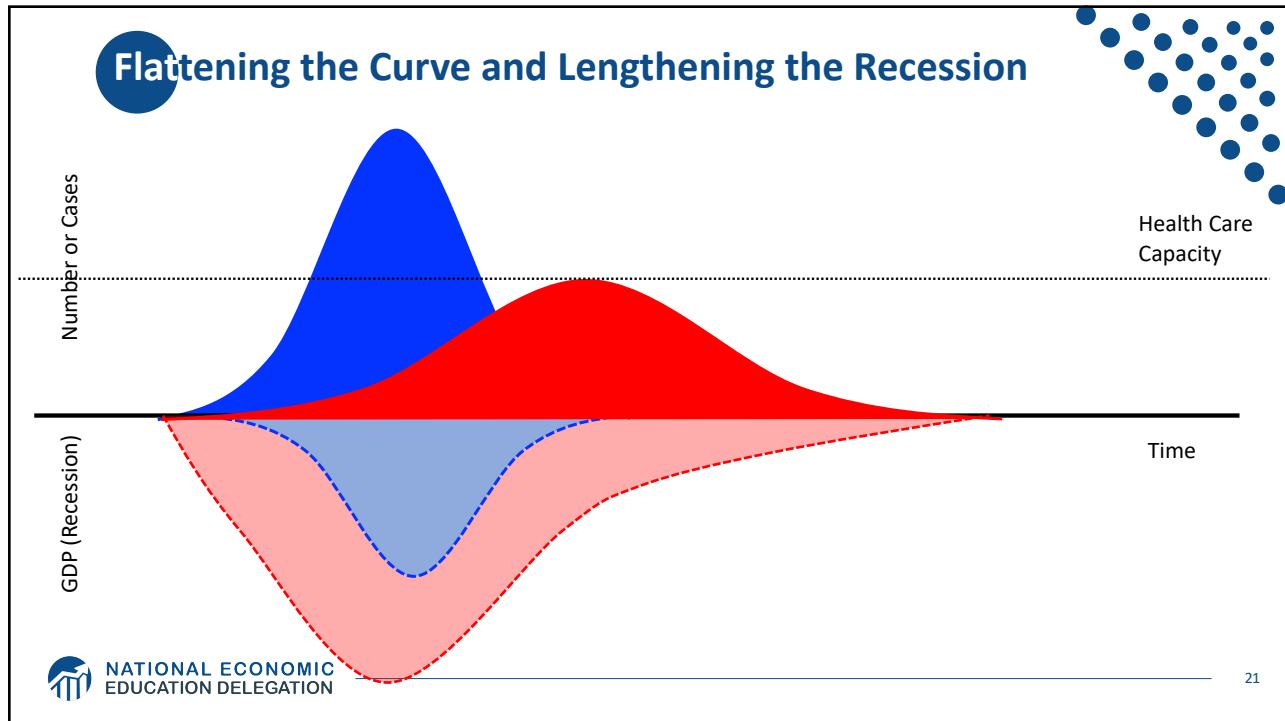
- **Social policy: Social Distancing**
  - Shutdowns on some industries versus others
  - Furloughs and lay-offs result
  - Vulnerable populations now more vulnerable
- **Fiscal Policy**
  - Business and taxpayer supports
  - Low-cost way to engage policy, but building danger later
- **Monetary Policy**
  - Back to Zero interest rates
  - Managing markets and inflation is out with the bath water

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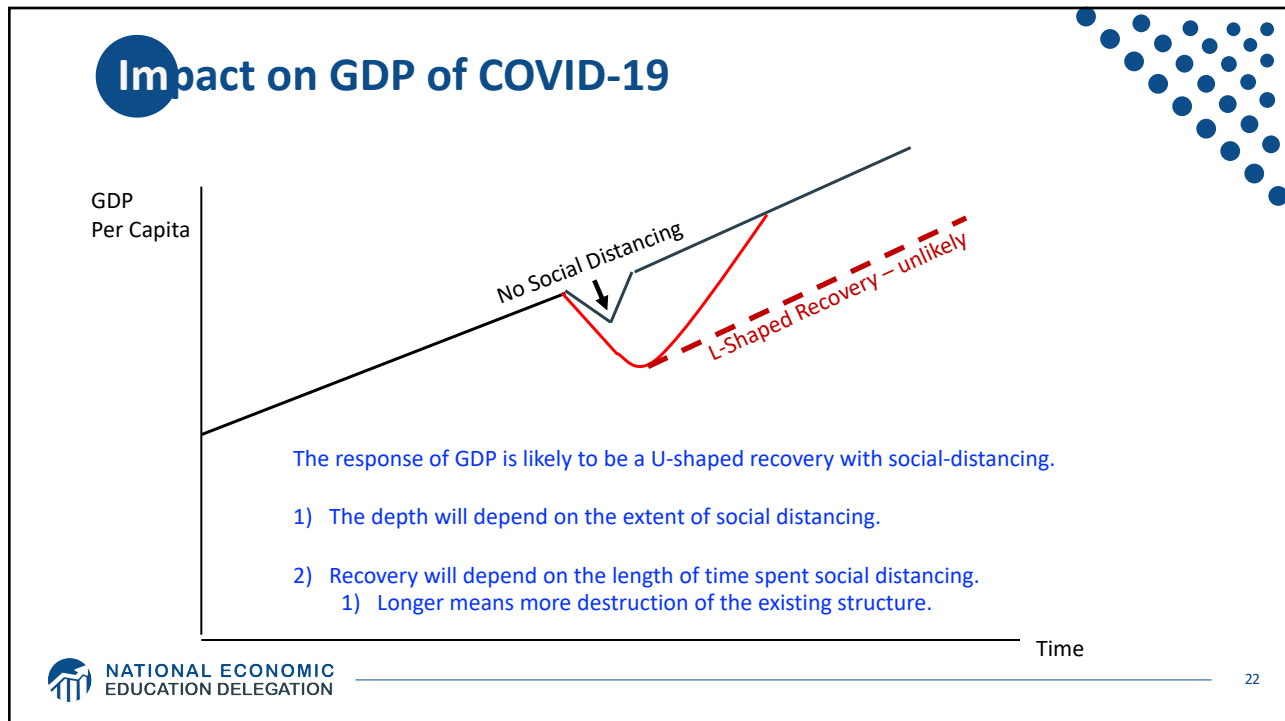
# Exposed and Infected and Social Distance



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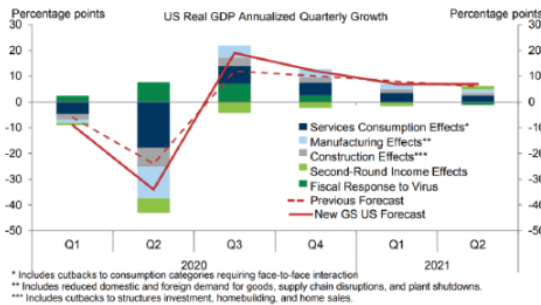
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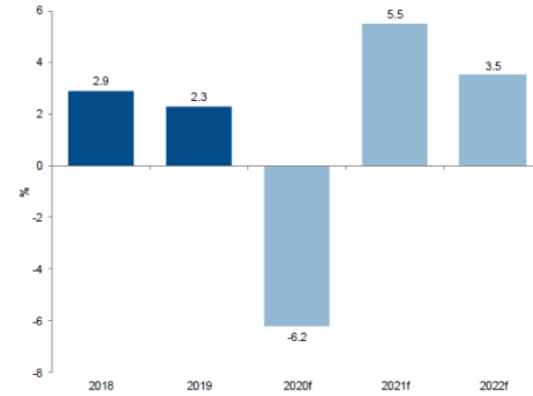
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# Goldman Forecast

1. GIR: US Real GDP Annualized Quarterly Growth Forecast



2. GIR: US Real GDP Annual Growth Forecast



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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**

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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
- **Phase 4**
  - ???



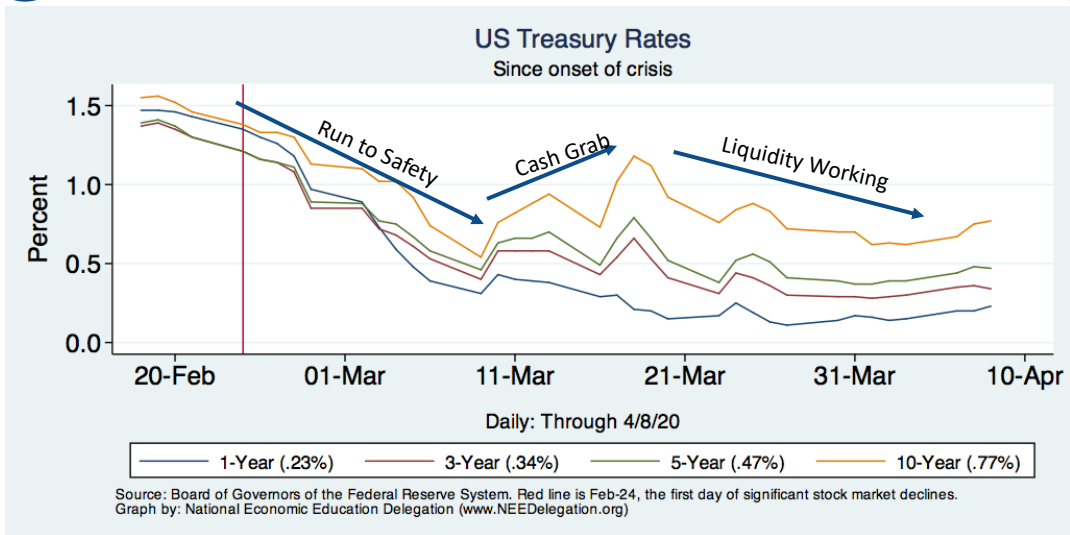
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# Monetary Policy – Federal Reserve

- **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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# US Treasury Rates: A Safe Haven?



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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!**
- **Fiscal policy: concerns**
  - Direct cash payments
    - Are they really getting into the hands of those most in need?
  - Payments to large corporations:
    - How effective are these at maintaining the structure of the economy?
  - Enough to maintain employee-employer ties?
  - Enough for medical care?
    - The amount spent fighting the virus is relatively small.
  - Technical issues – trouble getting the money out.



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## What does the future bring?

- **We won't need "shades" for quite some time.**
- **Further government policy**
  - Buoy individuals, financial sector, and structures.
  - Ultimately stimulus – but not soon.
- **Structural changes to the economy?**
  - More telecommuting
  - More rapid adoption of technology
  - The way we purchase things



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## Big Open Questions

- **When will the dust settle?**
- **When the dust settles:**
  - How close will ties be between businesses and their pre-CV employees?
  - How much will the business environment change?
- **Broadly speaking: How quickly can things bounce back?**
- **What will the overall economic cost be?**



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Thank you!

## Any Questions?

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## Fiscal Policy Timeline

Phase	Amount (\$ bn)	Action
<b>Phase 1</b> March 6	\$8	Emergency response, health care, vaccine development, prevention
<b>Phase 2</b> March 18	\$100	Paid sick leave, unemployment insurance, free virus testing
<b>Phase 3</b> Pending	\$250	Direct cash payments to families with income cap; \$1,200 per adult, \$500 per child
	\$250	Enhanced unemployment benefits
	\$350	Small business loans up to 250% of monthly payroll
	\$100	Corporate tax changes
	\$17	Community lending
	\$500	Loans & loan guarantees for businesses, incl. airlines
	\$180	State and local governments & Education
\$100	Hospitals	
<b>TOTAL</b>	<b>\$1.5-2.5 Trillion</b>	<b>7-12% of GDP</b>

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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
Liquidity	March 17	Commercial Paper Funding Facility Primary Dealer Credit Facility
	March 18	Money Market Mutual Fund Liquidity Facility
	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	

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