

# Osher Lifelong Learning Institute, Spring 2023 Contemporary Economic Policy Issues

Duke University May-June 2023

Host: Jon Haveman, Ph.D.

National Economic Education Delegation



1

### Available NEED Topics Include:

- US Economy
- Healthcare Economics
- Climate Change
- Economic Inequality
- Economic Mobility
- Trade and Globalization
- Minimum Wages

- Immigration Economics
- Housing Policy
- Federal Budgets
- Federal Debt
- Black-White Wealth Gap
- Autonomous Vehicles
- Healthcare Economics



### Course Outline



- Week 1 (5/2): US Economic Update (Geoffrey Woglom, Amherst College)
- Week 2 (5/9): Monetary Policy (Geoffrey Woglom)
- Week 3 (5/16): Healthcare Economics (Kelley Cullen, E. Washington University)
- Week 4 (5/23): Climate Change Economics (Sarah Jacobson, Williams College)
- Week 5 (5/30): The Black-White Wealth Gap (Mike Shor, Univ. of Connecticut)
- Week 6 (6/6): Federal Debt (Jon Haveman, NEED)



3

#### 3

### **Submitting Questions**



- Please submit questions of clarification in the chat.
  - I will try to handle them as they come up.
- We will do a verbal Q&A once the material has been presented.
- Slides will be available from the NEED website shortly after the talk (https://NEEDEcon.org/delivered\_presentations.php)



4



### The US Federal Debt

OLLI – Duke University

June 6, 2023

Jon Haveman, Ph.D.
National Economic Education Delegation





5

5

### **Credits and Disclaimer**



- Jon Haveman, Executive Director, NEED
- Geoffrey Woglom, Amherst College, Emeritus

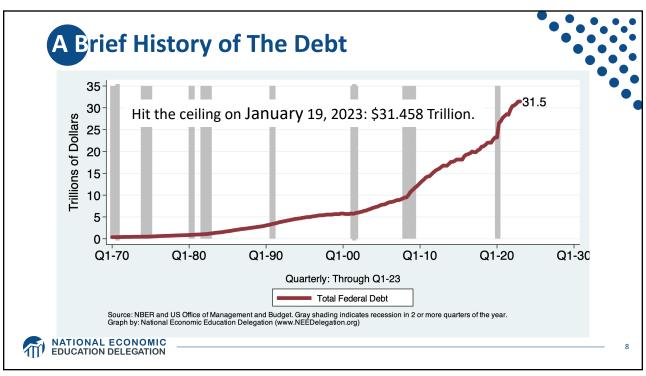
#### • This slide deck was reviewed by:

- Olivier Blanchard, Brookings Institution
- Disclaimer
  - NEED presentations are designed to be nonpartisan.
  - It is, however, inevitable that presenters will be asked for and offer their own views.
  - Such views are those of the presenters and not necessarily those of the National Economic Education Delegation (NEED).



6









#### • FLOW

- **Deficit**: The excess of outlays over revenues in a year.
- Surplus: The excess of revenues over outlays in a year.

#### STOCK

- **Debt**: The accumulation of debt over time.
  - The sum of all past deficits and surpluses.



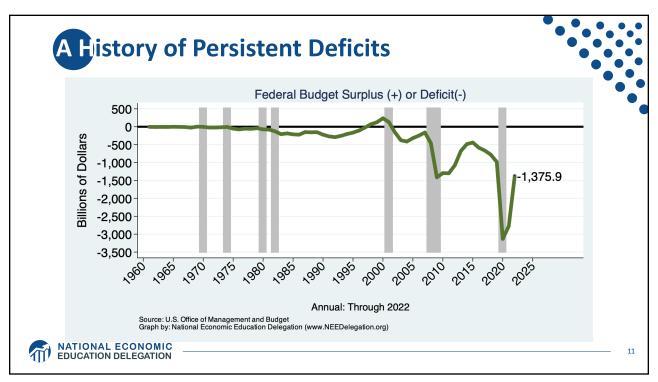


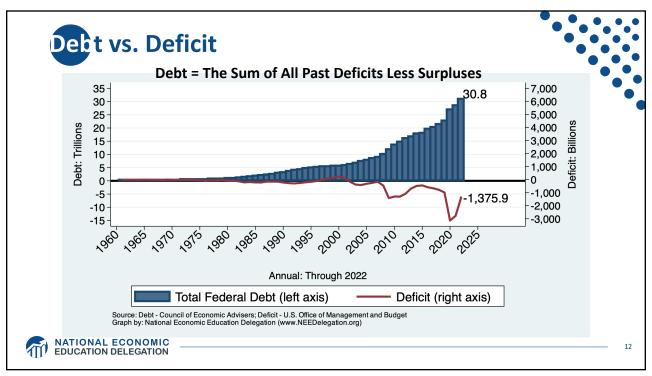
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9

What Does the US Govt. Budget Look Like? 2022 Budget Summary (in billions) **Outlays** Revenue \$2,632 \$4,135 **Income Taxes** Mandatory \$1,483 \$1,662 Payroll Taxes Discretionary \$425 \$475 **Corporate Taxes** Interest Other \$356 \$4,896 \$6,271 Total Total Budget Deficit \$1,376 Billion NATIONAL ECONOMIC EDUCATION DELEGATION 10 https://www.cbo.gov/data/budget-economic-data#2





### Roughly Speaking...



#### • The debt:

- Rises with a deficit.
- Falls with a surplus.

#### • Interest rates might get in the way of this relationship.

- High interest rates raise the level of interest payments.



13

13

### **How Does the US Government Borrow?**



#### • It issues debt.

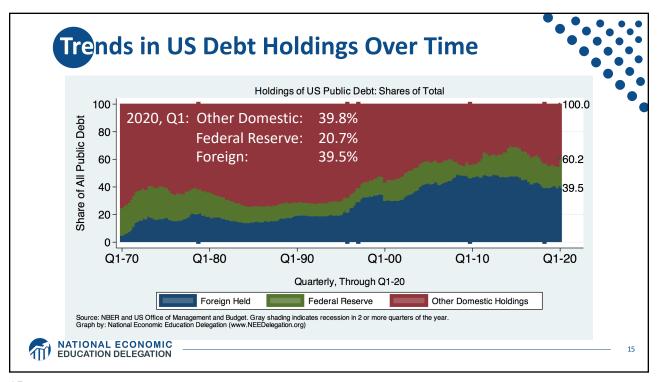
- Treasury marketable securities:
  - o Treasury bills, notes, and bonds
  - o TIPS: Treasury inflation-protected securities
  - Savings bonds

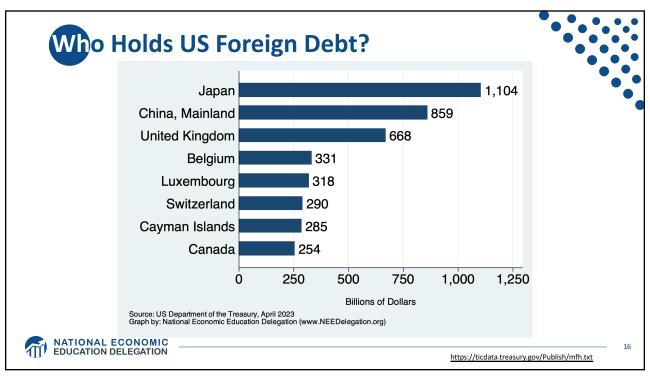
#### Who buys the debt?

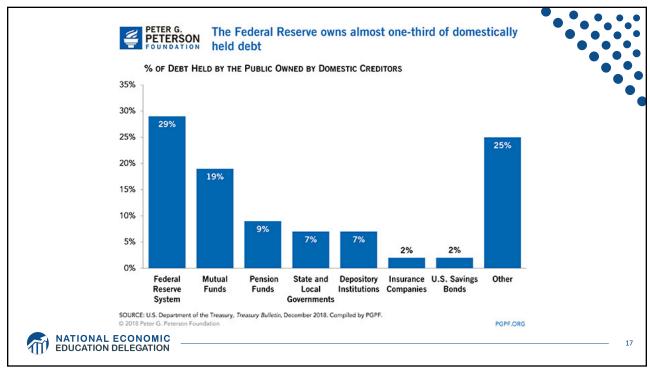
- Other federal agencies
- Individuals and businesses
- State and local governments
- Foreign government and individuals
- Federal Reserve

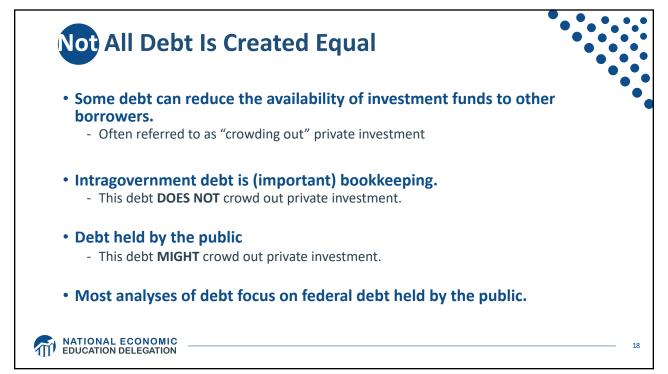


14











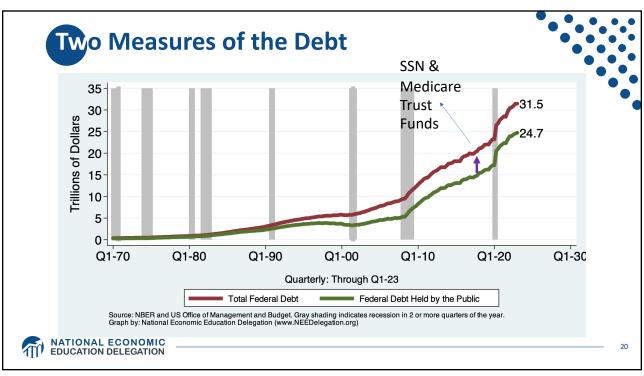
### **Important Points:**

- Not all debt is created equal.
- What is the right measure of the debt?
- Components of the debt.



19

19





### The All-Important Relative Debt



#### • CBO analyzes the debt relative to GDP because:

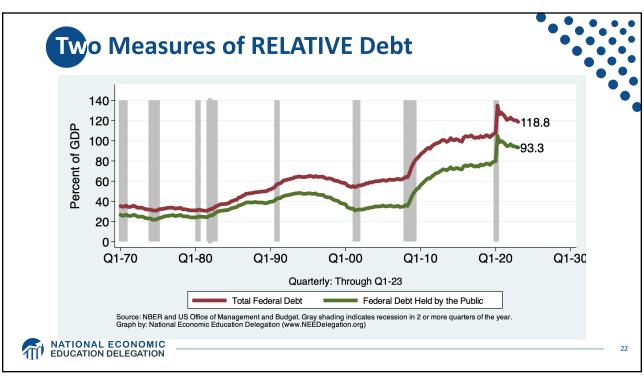
- To the extent that debt and deficits have burdens, these burdens depend on the size of the debt *relative* to the size of the economy.

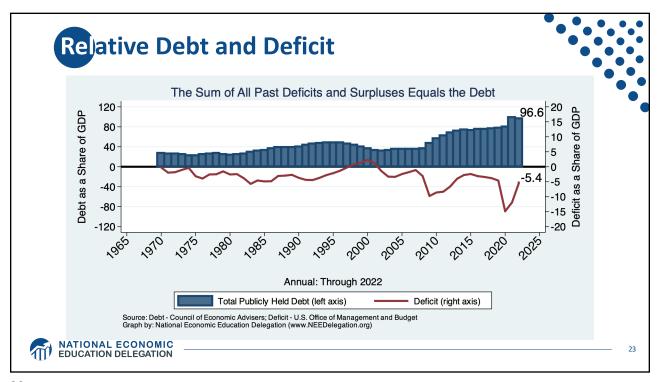
	Total Public Debt	Relative Debt Debt/GDP
United States	\$24.7 Trillion	93.3%
Greece	\$0.215 Trillion	170%

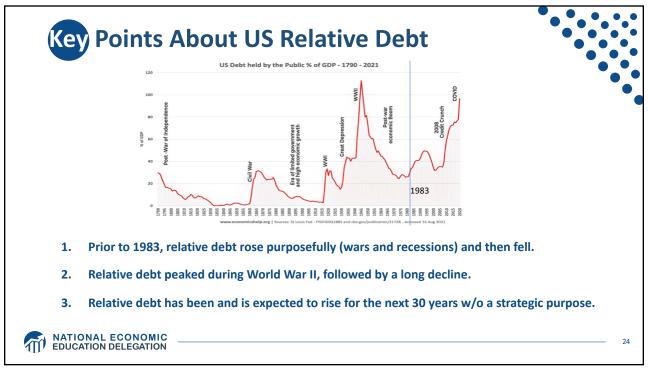


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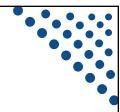
21











- Surprising (?) Facts
  - From 1945 to 1979, relative debt fell from 100% of GDP to 25% of GDP.
  - During this period, the federal budget was in surplus only once, in 1969.
- Relative debt is a fraction: Debt/GDP; fractions fall if:
  - The *numerator* falls (budget surplus)
  - The *denominator* rises (nominal GDP growth)
  - The *denominator* grows faster than the *numerator*



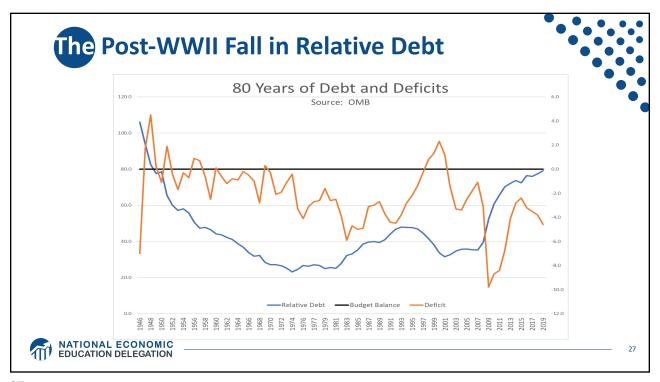
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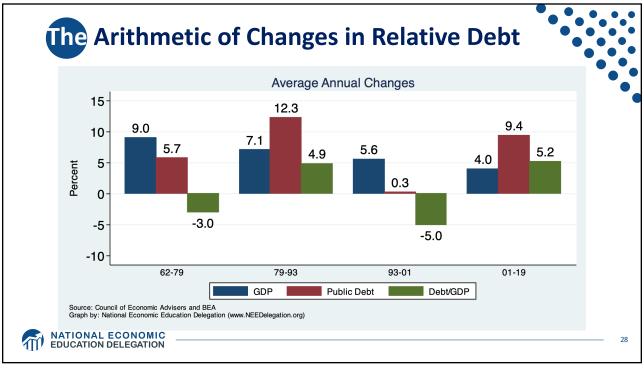
### **An** Almost Free Lunch



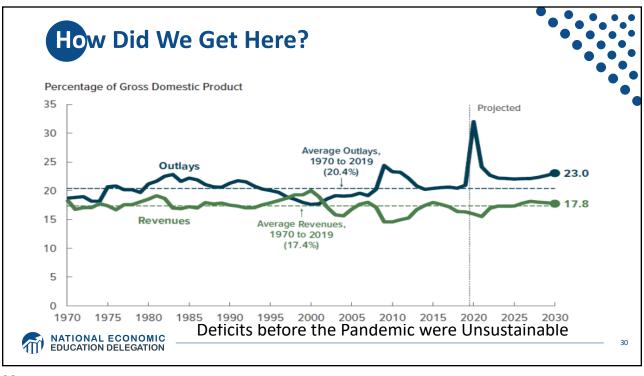
- If the interest rate is *less* than the growth rate of GDP, then the contribution from the primary budget can be positive, hence...
- Debt to GDP can be stabilized with a (small) primary deficit.

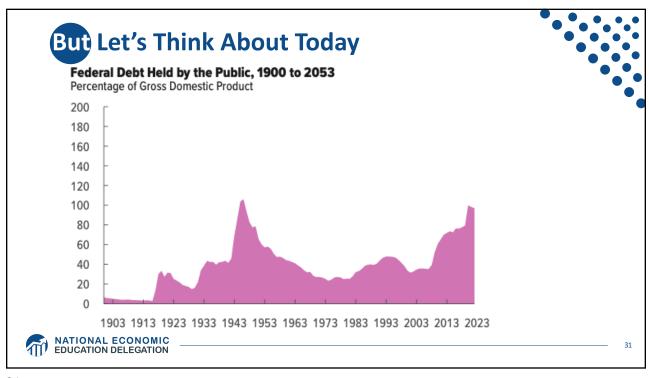


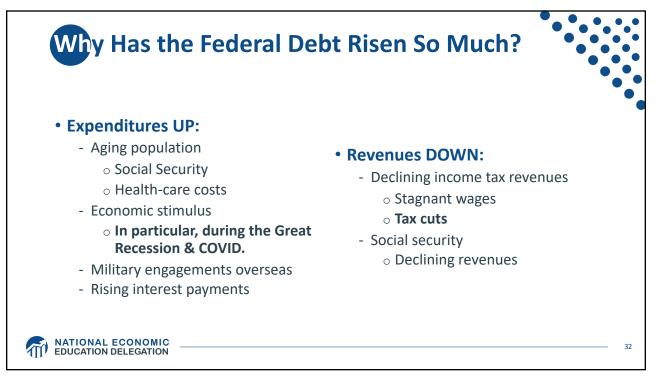


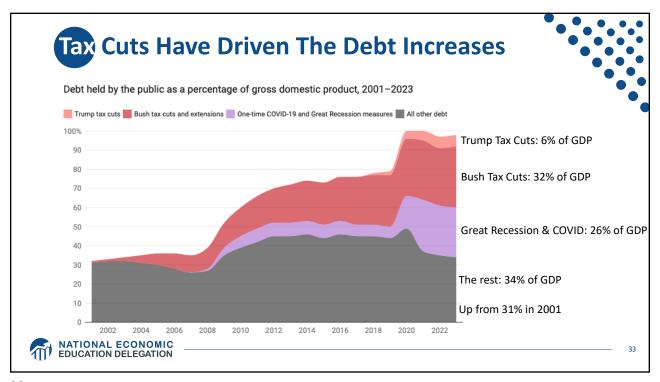


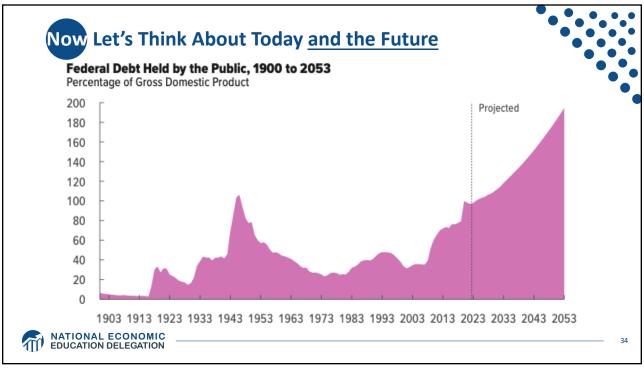


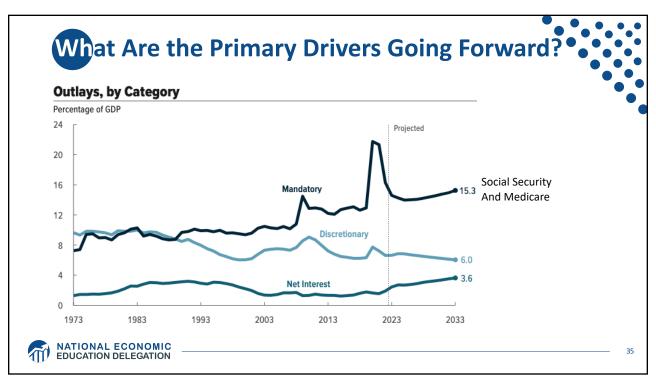


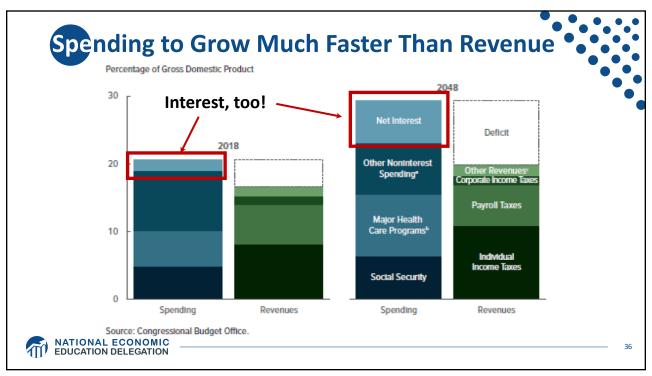












### Two Measures of the Deficit

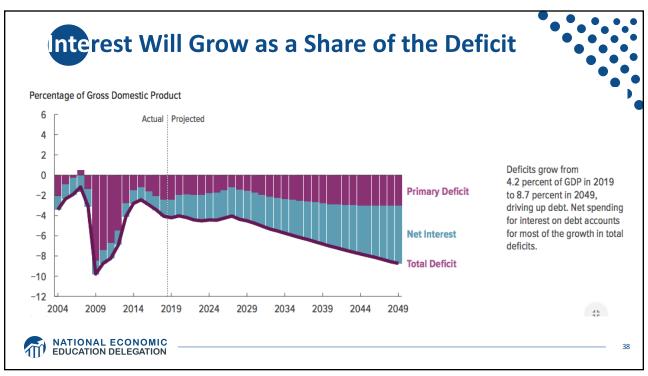


- (1) Primary deficit = current programmatic outlays revenues
- (2) Total deficit = primary deficit + interest
- Interest on the debt is
  - The part of the total deficit that is due to past deficits.
- This distinction becomes important for understanding:
  - The future course of relative debt.
  - The costs borne by future generations because of the debt.



37

37



### **How to Think About the Debt**



39

39

### Perspectives on Increased Debt



- Government borrowing "crowds out" private capital and investments.
  - Weakened by the ability to borrow from other countries.
- Does debt impose a burden on future generations?
  - Does it inevitably have to be paid off?
- In time, debt service might crowd out other government spending.
  - Diminishing policy priorities in the budget.
- Is it reasonable to borrow at low interest rates for investment?
  - For example, for infrastructure.



40

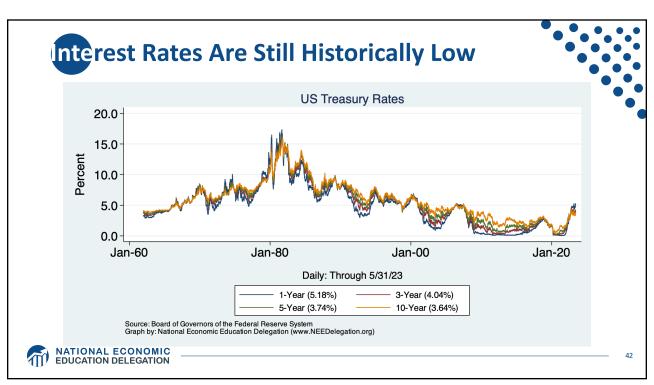
### Is The Debt a Problem Today?

- Federal government borrows each month with little difficulty.
- Very little evidence of "crowding out."
- Interest rates are low, but rising this is becoming a concern.
- So, no, other than the debt ceiling, it's not a problem today.



41

41



# Not All Borrowing Is Bad!

#### Two good reasons to borrow:

- 1. During a temporary crisis
  - 1. Recession
  - 2. War
  - 3. Pandemic
- 2. Productive public investment
  - 1. Infrastructure
  - 2. Education



#### • These deficits do not permanently increase relative debt.

- Great Depression, WWII
- Public investment expands GDP and tax revenue



43

43

# So, Why Worry About it?

#### If debt becomes too high:

- Investors might start questioning the creditworthiness of the US government.
  - o Problem: Nobody knows how much debt is too much debt.
- It becomes more difficult to borrow in times of crisis.
  - o War, severe recession, pandemic
  - o "Fiscal space"
    - Impossible to measure how much we have.
    - Clearly, we have less now than in 2007.
- Could start to crowd out investment by consumers and businesses.
  - o Not currently a problem. No idea if/when it might become one.
- Could be inflationary.



44

### So, Why Worry About It?

#### • If debt continues to grow:

- Interest payments will grow with it.
  - 8% of spending in 2018.
  - o 22% of spending in 2048.
  - o Less room for using the budget for policy priorities.
  - o 40% of payments go to other countries.
- The longer we wait to address it, the harder and more disruptive addressing it will be.
- Interest rates might increase.



45

45

### **Growth in Relative Debt**



- Can be scary to....
  - International investors
  - Bond markets



46

### Fiscal Crisis, or a Run on the Dollar



- With an exploding relative debt, what happens if foreigners lose confidence in the stability of the dollar?
- CBO (Federal Debt: A Primer, March 2020):

because the United States currently benefits from the dollar's position as the world's reserve currency and because the federal government borrows in dollars, a financial crisis—similar to those that befell Argentina, Greece, or Ireland—is less likely in the United States.

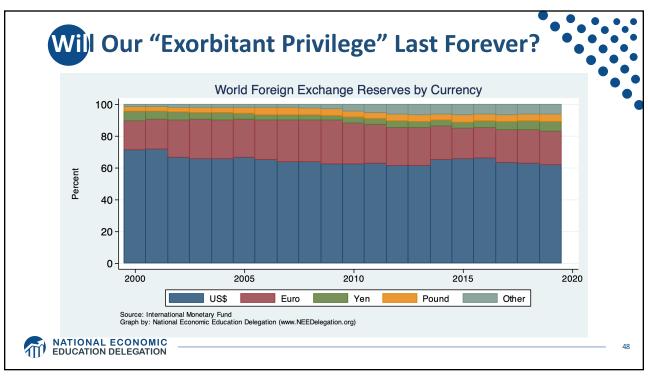
Although no one can predict whether or when a **fiscal crisis** might occur or how it would unfold, the risk is almost certainly increased by high and rising federal debt.

Crises of confidence, in addition to being unpredictable, happen very quickly.



47

47



# What Is a Fiscal Crisis?

- Increased perception of risk in government debt.
- Potential manifestations:
  - Sudden significant increase in interest rates.
  - Plunging exchange rates.
- Why?
  - Increased expectation of default.
- Potential results:
  - Dramatic budget reforms may be quickly necessary to stave off actual default.
  - Recession from declines in:
    - investment (interest rates)
    - o consumption (interest rates)
    - o Government spending
  - Higher interest bill on existing debt.







49

### The Key: Stabilization of Relative Debt



- Stabilization of relative debt might forestall the consequences of chronic deficits.
- Problem: The US federal debt is in no way stable.
- W/o stability, interest rates might rise, causing crowding out of:
  - policy priorities
  - domestic investment
- Budget surpluses are not necessary, but budget control is.



### **But Wait!**



51

51

### Maybe Debt Isn't a Problem After All: MMT

- Stephanie Kelton provided a prominent and recent exposition of modern monetary theory in a *NY Times* op-ed on June 6, 2020:
  - "Learn to Love Trillion-Dollar Deficits."
- Modern monetary theory
  - US Treasury borrows in its own currency and therefore cannot default.
    - As opposed to countries, such as Greece, which borrow in euros.
  - Example: How did we "find the money" for the recent increase in the deficit of about \$1.9 trillion?
    - o Answer: The Fed purchased \$1.7 trillion = 89% of financing
  - More generally, MMT argues that we can always find the money to increase federal spending.



5



- The only limit on deficit spending is when it leads to too much spending, thereby increasing current inflation.
- Recognizing this fact, "could free policymakers not only to act boldly amid crises but also to invest boldly in times of more stability."
  - First part, acting boldly, is important and likely true.
  - Second part, invest boldly, is suspect.
  - Third part? Could encourage imprudent spending....



53

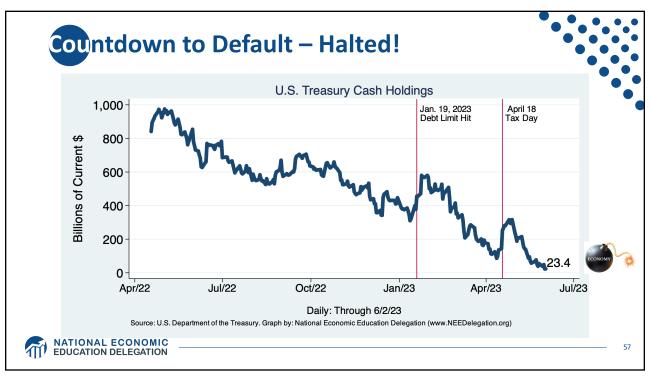
#### General Sense on Modern Monetary Theory Question A: Countries that borrow in their own currency should not worry about government deficits because they can always create money to finance their debt. Responses Responses weighted by each expert's confidence 100% 100% 72% 75% 75% 52% 50% 50% 36% 25% Strongly Disagree Strongly Disagree No Opinion Strongly strongly © 2019. Initiative on Global Markets. Source: IGM Economic Experts Panel Source: IGM Economic Experts Panel www.igmchicago.org/igm-economic-experts-panel www.igmchicago.org/igm-economic-experts-panel MATIONAL ECONOMIC EDUCATION DELEGATION



# Shall we manufacture our own fiscal crisis?







### 5 Things to Know about the Debt Ceiling



- 1. The debt limit has been raised continually for more than a century.
- 2. Raising the debt limit is not about new spending; it is about paying for previous choices policymakers legislated.
- 3. The uselessness of a debt limit is exhibited by the fact that only <u>one</u> <u>other advanced country—Denmark—has a separate debt limit rule</u> like ours.
- 4. After the debt hit the ceiling, the Treasury Department used several accounting gimmicks to postpone the day of reckoning, but these typically last only a few months.
- 5. The <u>economic consequences</u> of a large-scale, intentional default are unknown, but predictions range from <u>bad to catastrophic</u>.



Souce: https://www.brookings.edu/2023/01/19/7-things-to-know-about-the-debt-limit/

### **Les**sons from 1979 & 2011

- Accidental partial default in 1979:
  - Increased borrowing costs by \$40 Billion.
- 2011 Government shutdown was very costly:
  - Stock markets plunged (17%).
  - Employment growth stuttered.
  - Treasuries downgraded credit ratings.
  - Borrowing costs rose perhaps by as much as \$20 Billion.
- There were likely costs to the recent mini-crisis.
  - Economists will evaluate and get back to us.
  - Also, think about what politicians, treasury employees, and journalists could have been doing with their time.



59

59

# More Generally...



60



#### We Need to Worry about the Debt



- 1. Interest rates are rising.
- 2. A fiscal crisis should be avoided at all costs.
- 3. Stabilizing relative debt would substantially reduce the possibility of a crisis.
- 4. The good news is we might be able to stabilize relative debt without a primary surplus.

But we must substantially reduce primary deficits.



61

### **Bottom-Line Takeaways**



- Relative debt must be stabilized, so it is imperative to reduce primary deficits.
- Given the fiscal challenges of an aging population and climate change, it is better to do this sooner rather than later.
- But high debt levels should not deter:
  - Productive infrastructure investment.
  - Fiscal responses to crises:
    - o When the house is on fire, you don't worry about being in a drought; you just put it out.
- Debt ceiling what is it good for?



### **Bot**tom Bottom Line

- Question is not WHETHER the US will have to act... but WHEN.
- Some combination of the following **WILL** be necessary:
  - Raising taxes
  - Cutting spending
  - Reining in health-care costs
- The longer we wait, the harder it will be!





63

63

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64





### **Any Questions?**

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65

65

