

Osher Lifelong Learning Institute, Spring 2023 Contemporary Economic Policy

University of Arizona May-June, 2023

Jon Haveman, Ph.D.

National Economic Education Delegation



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Available NEED Topics Include:

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

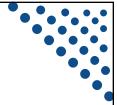
- Immigration Economics
- Housing Policy
- Federal Budgets
- Federal Debt
- Black-White Wealth Gap
- Autonomous Vehicles
- Healthcare Economics



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Course Outline



- Contemporary Economic Policy
 - Week 1 (5/16): US Economy (Geoffrey Woglom, Amherst College)
 - Week 2 (5/23): Monetary Policy (Geoffrey Woglom)
 - Week 3 (5/30): Health Care Economics (Kelley Cullen, E. Washington University)
 - Week 4 (6/6): Trade and Globalization (Alan Deardorff, University of Michigan)
 - Week 5 (6/13): Trade Deficits and Exchange Rates (Alan Deardorff)
 - Week 6 (6/20): Cryptocurrencies (Jon Haveman, NEED)



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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 soon. (https://needelegation.org/delivered_presentations.php)







Health(care) Economics

University of Arizona May 30, 2023

Kelley Cullen, Ph.D. Eastern Washington Univ.





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Today's Speaker

Kelley L. Cullen PhD, Economics Washington State University



Current Affiliations

Eastern Washington University

- Faculty in Economics & Decision Science
- Policy Analyst, EWU Institute of Public Policy & Economic Analysis

Research Interests

- Health Economics
- Sports Economics
- Education Economics







- What is Health(care) Economics?
- Taking the Pulse of the Health Economy
- Health Care Systems and Institutions
- Health Insurance and Reform
- Pharmaceuticals Big Pharma



What is Health(care) Economics?



- Health Economics is a field of **MICRO**economics that focuses on the health care industry.
- Examples of other subfields of microeconomics include:
 - labor economics, industrial organization, economics of education, public economics, and urban economics.



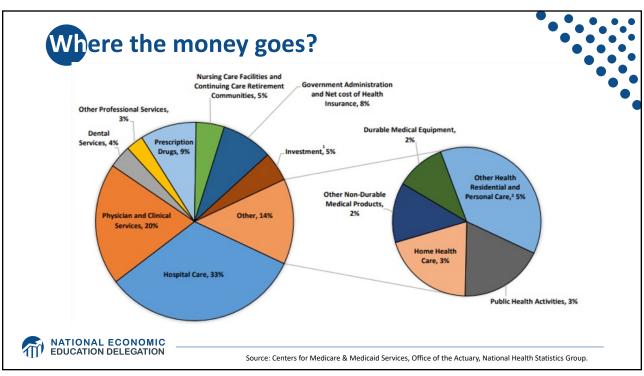
Health Economics is part of Microeconomics

- Although health economics is part of "micro-" economics, it is actually very big:
 - In 2019, U.S. national health expenditure were **17.7% of GDP**, which is equivalent to around **\$3.8 trillion**.
- For comparison, GDP in each country in 2019:

Germany: \$3,845 trillion (4th largest economy)
 UK: \$2,827 trillion (6th largest economy)
 France: \$2,715 trillion (7th largest economy)



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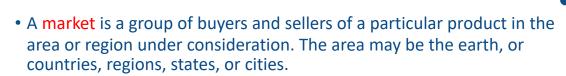




- Health economics studies health care resource markets and health insurance.
- Healthcare is the biggest industry and the largest employer in the US.



What is a Market?



- The concept of a market is any structure that allows buyers and sellers to exchange any type of goods, services, and information.
- Markets can be physical and non-physical.
- There are many different types of markets and depending on the type, different rules should be set up for achieve the best results for society.



Markets Studied in Health Economics



Markets for:

- Physicians
- Nurses
- Hospital facilities
- Nursing homes
- Pharmaceuticals
- Medical supplies (such as diagnostic and therapeutic equipment)
- Health Insurance



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Pulse of the Health Economy



Pulse of the Health Economy



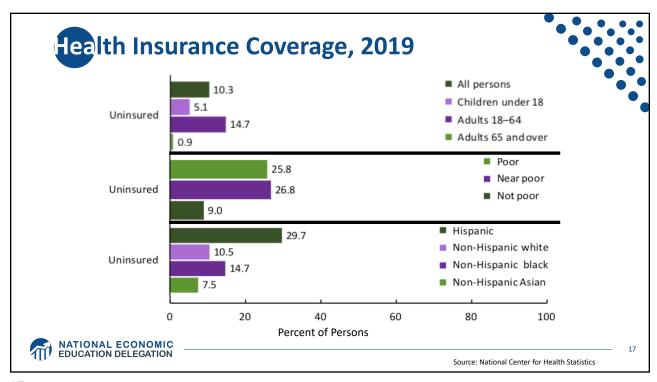
- Health economy involves activities related to population health:
 - Production and consumption of goods and services.
 - Distribution of those goods to consumers.
- Performance indicators of medical care:
 - Access
 - Quality
 - Cost

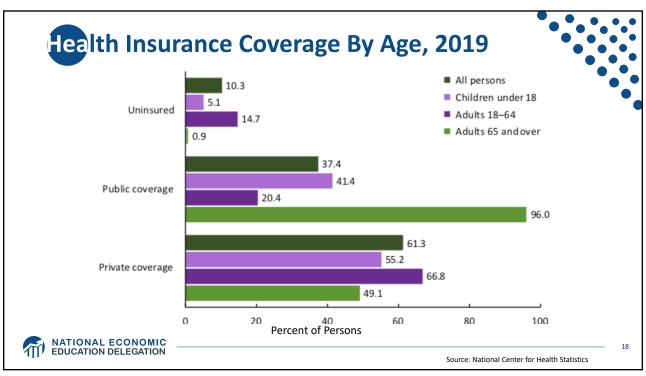


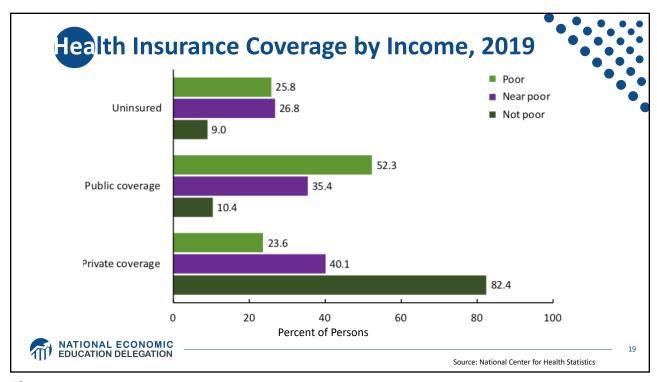
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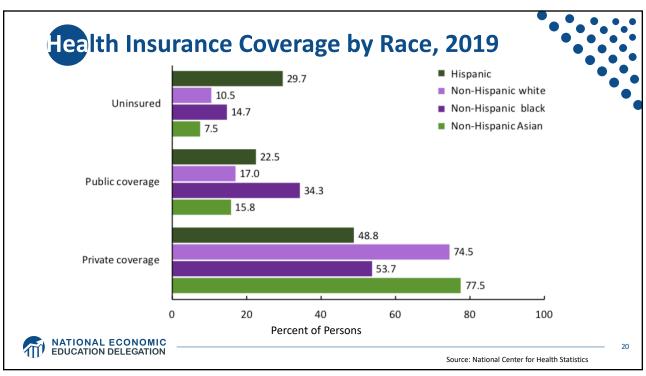
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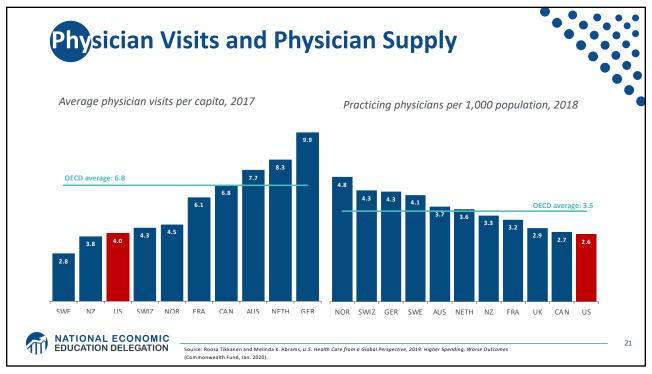


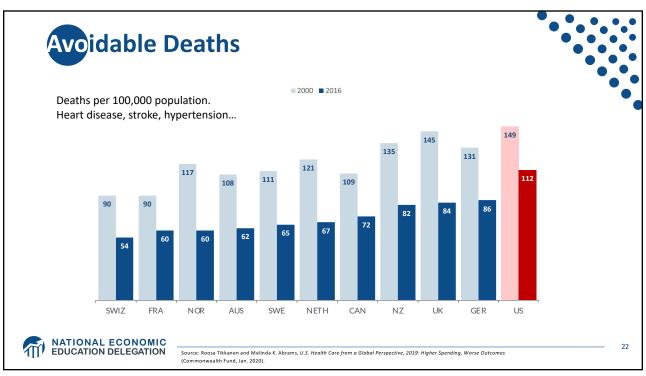


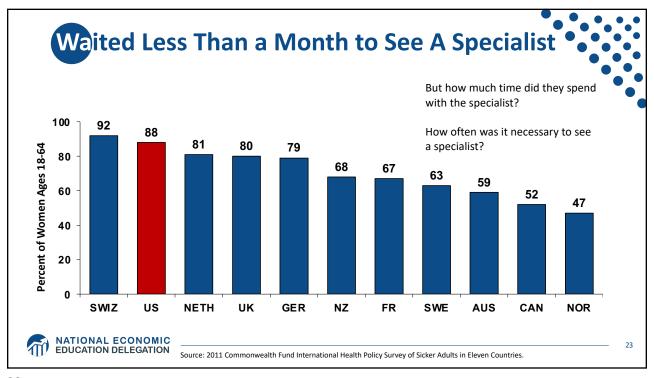


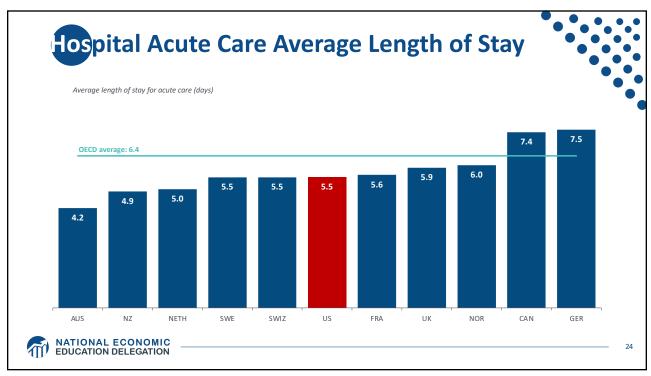


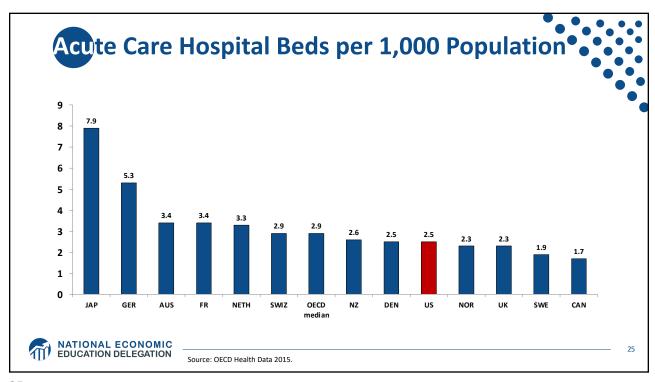


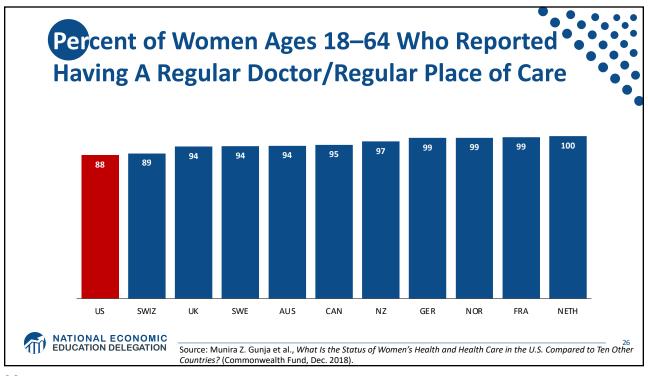


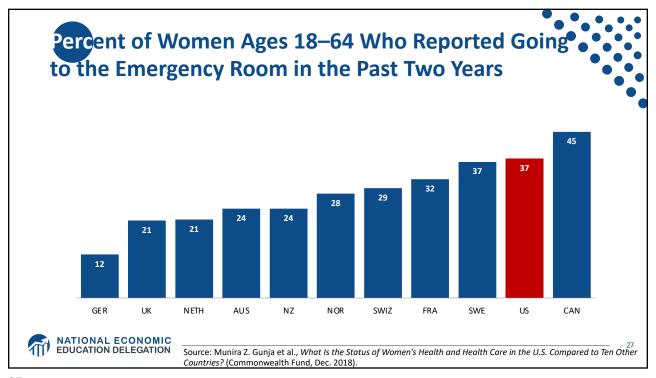












Access Notes



- Insurance coverage in the U.S. is not universal.
- Supply of medical personnel and equipment may be lower than elsewhere.
- Avoidable (amenable) deaths are higher, perhaps indicating less access to care.
- Emergency room use is higher in the U.S. than elsewhere.
- Specialized medicine is more accessible.



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Quality



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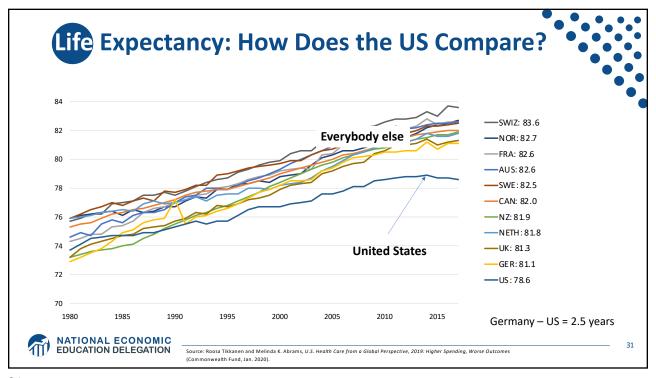
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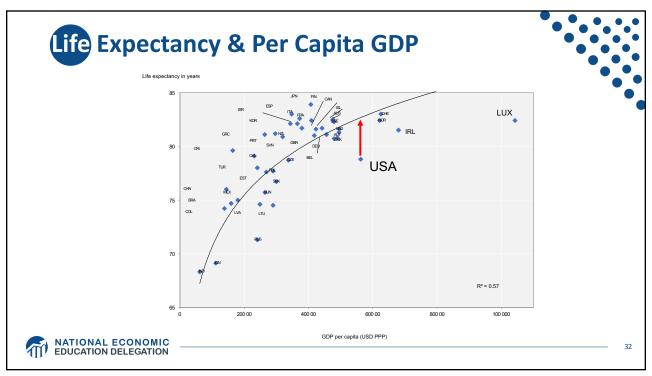
A Bit About Quality

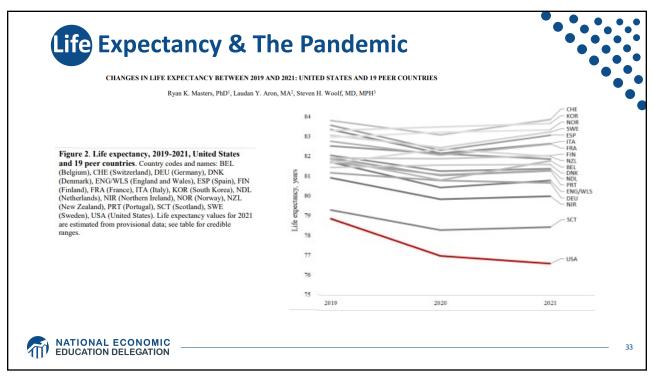


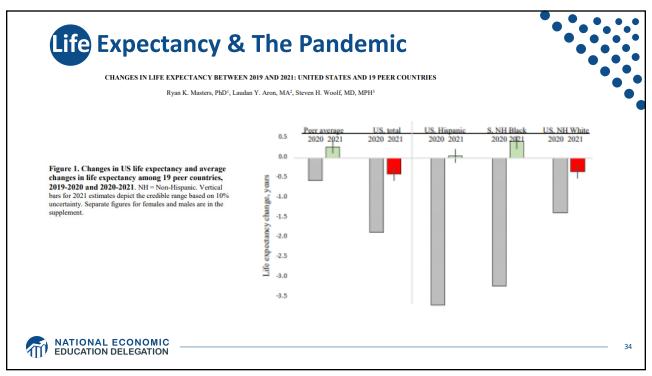
- The U.S. has the highest chronic disease burden
 - and an obesity rate that is two times higher than the OECD average.
- Americans had fewer physician visits than peers in most countries
 - which may be related to a low supply of physicians in the U.S.
- The U.S. has among the highest # of hospitalizations from preventable causes
 and the highest rate of avoidable deaths.
- Americans use some expensive technologies
 - MRIs, and specialized procedures, such as hip replacements, more often than our peers.
- The U.S. outperforms its peers in terms of preventive measures
 - One of the highest rates of breast cancer screening among women ages 50 to 69.
 - Second-highest rate (after the U.K.) of flu vaccinations among people age 65 and older.

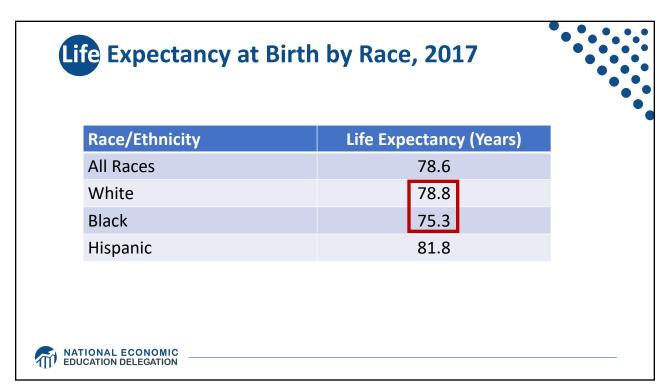


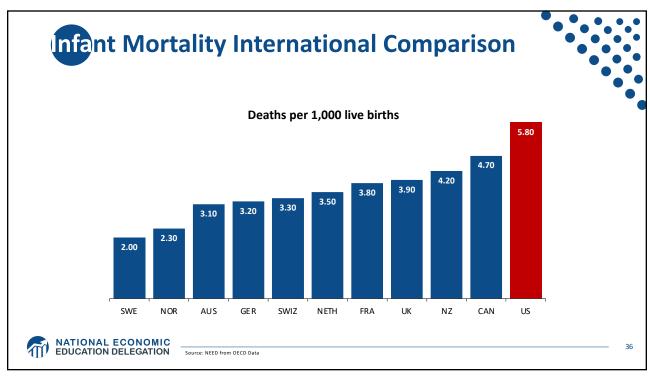


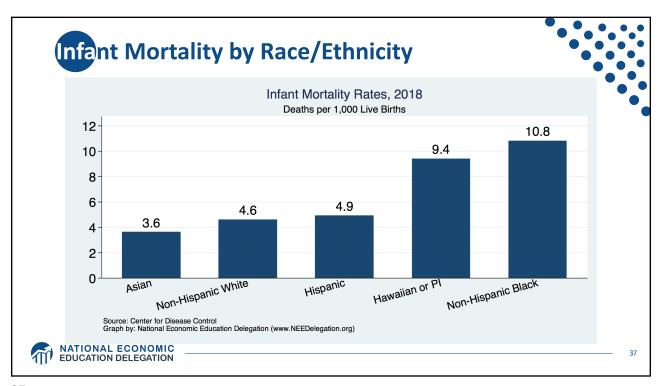


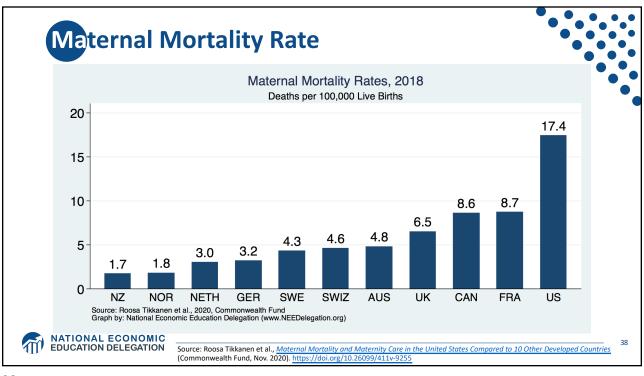


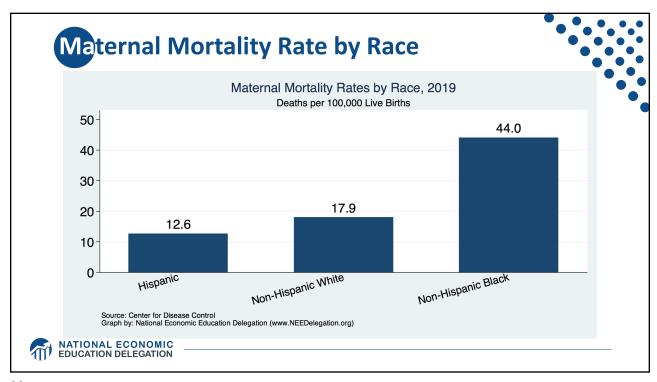


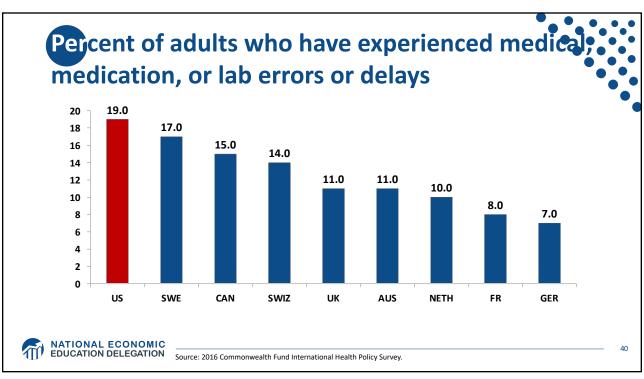












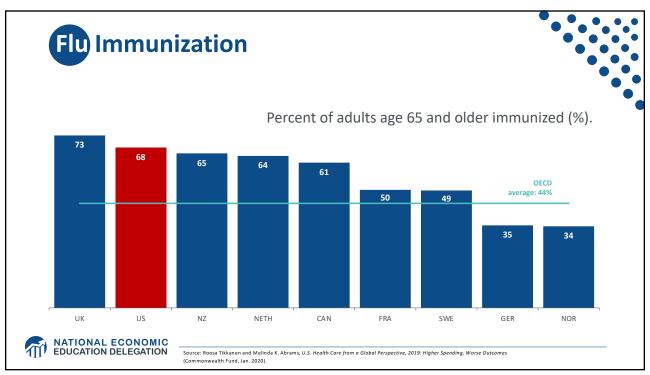
Prevention and Screening

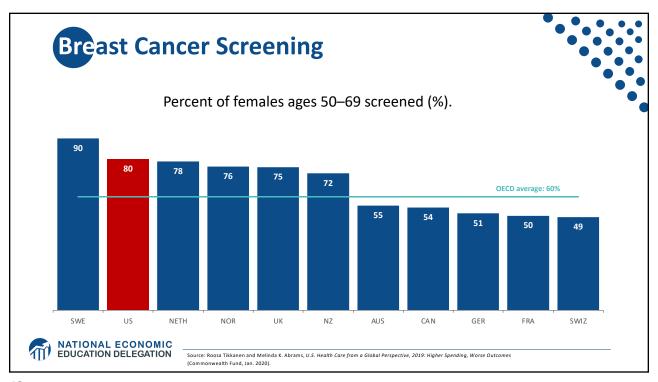


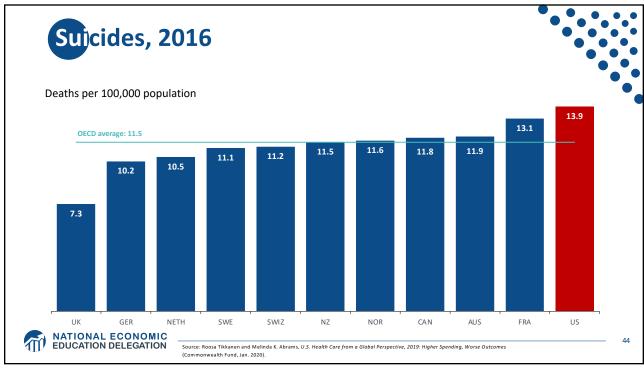
- The U.S. excels in **some** prevention measures, including flu vaccinations and breast cancer screenings.
- The U.S. has the highest average five-year survival rate for breast cancer, but the Lowest for Cervical Cancer.

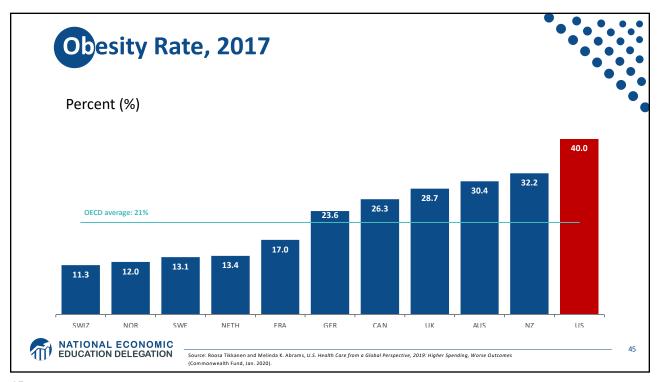


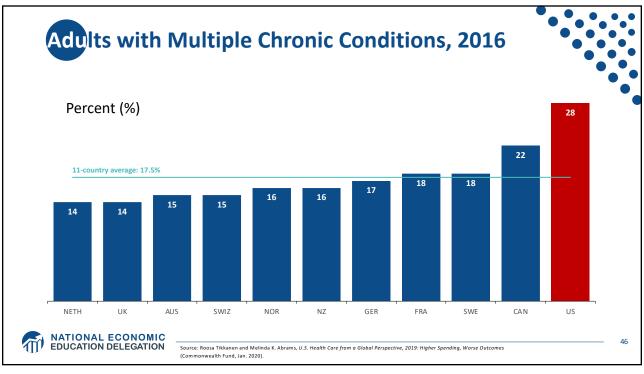
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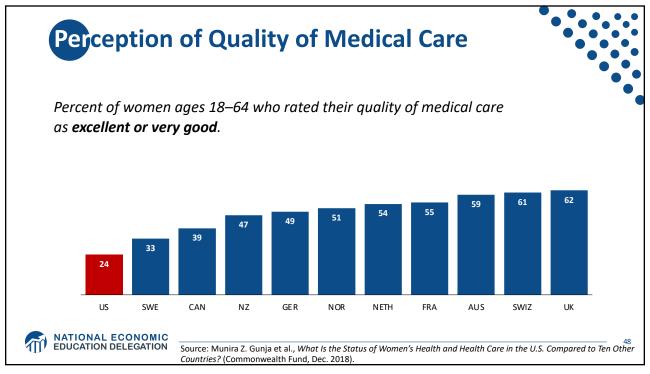














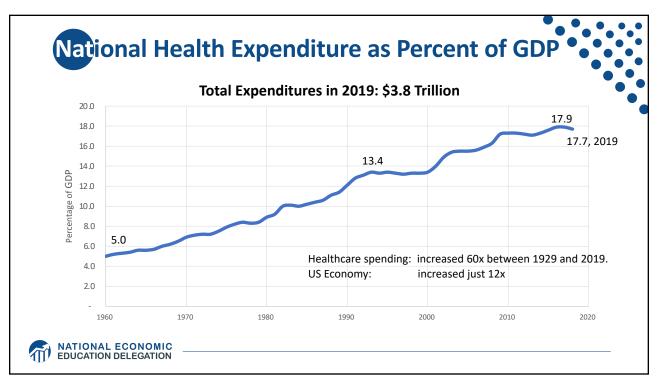


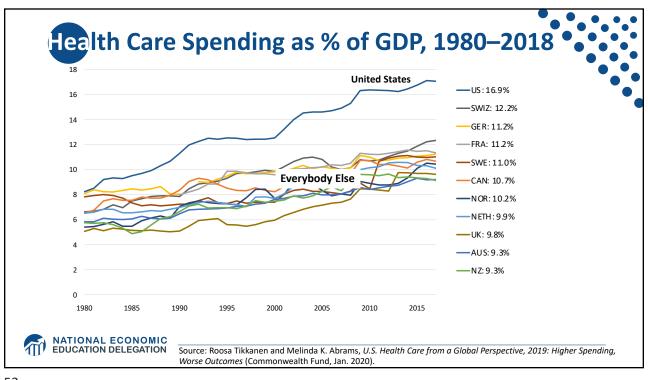
- Metrics of quality in the U.S. are not very good.
- Quality of care is not considered very good in the U.S.
- The system has challenges: obesity/lifestyle.
- The system has bright spots!

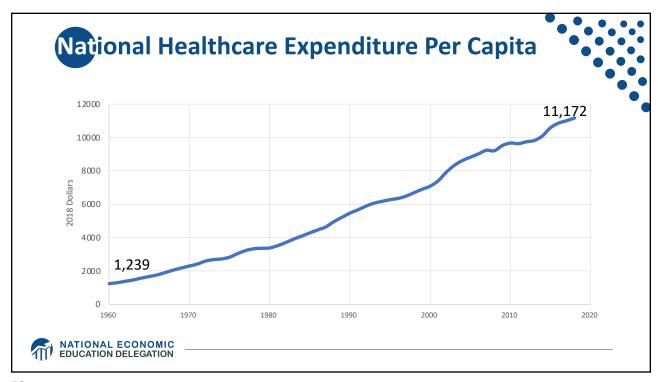


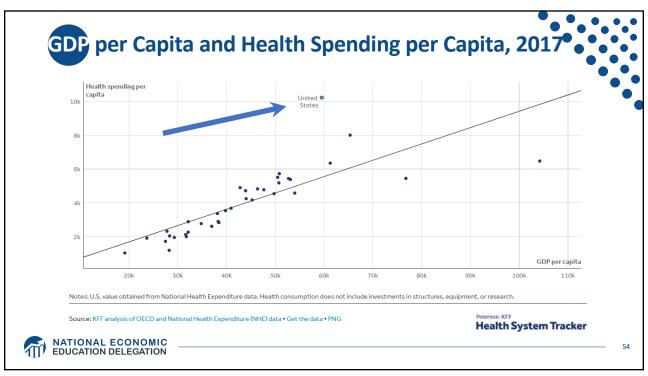
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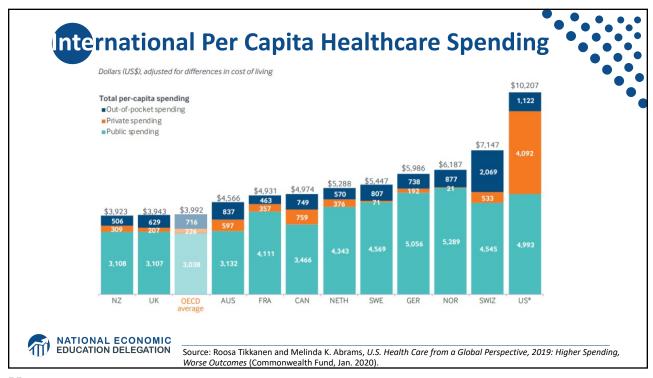
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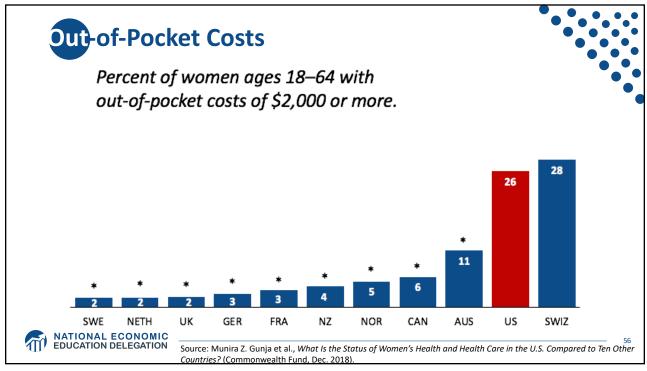


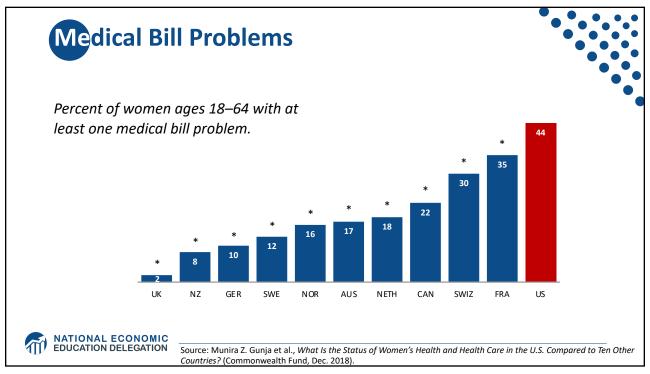


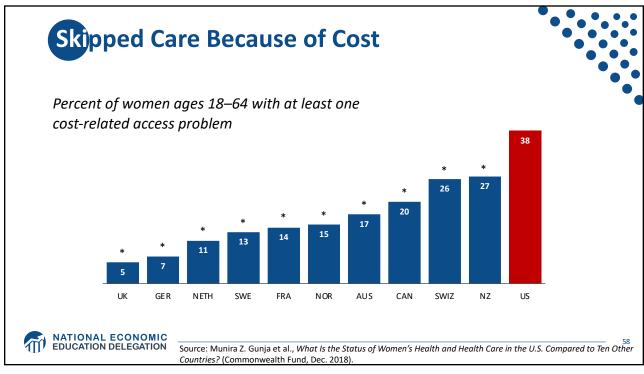


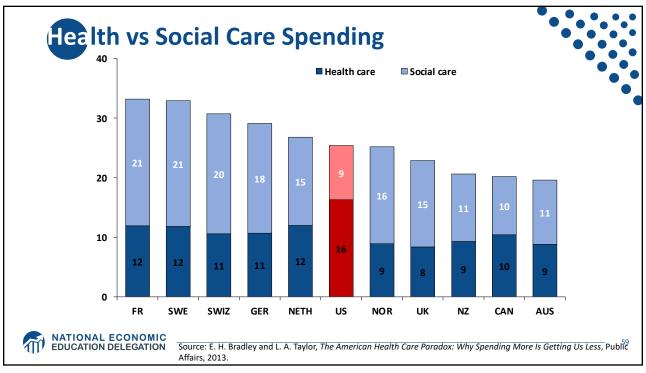












Health vs Social Care Spending

- A 2013 study by Bradley and Taylor found that the U.S. spent the least on social services—such as retirement and disability benefits, employment programs, and supportive housing—among the countries studied in this report, at just 9 percent of GDP.
- From 2000 to 2011, for every dollar the US spent on health care, the country spent another \$1.00 on social services, whereas across the OECD, for every dollar spent on health care, countries spend an additional \$2.50 on social services





Why is Healthcare Spending Increasing?



- Costs in the United States, and elsewhere are increasing rapidly.
- The share of economic spending on health care has been steadily increasing for all countries because:
 - Health spending growth has outpaced economic growth.
 - Richer countries demand more services, like attention to health.
- Also because of
 - Advances in medical technologies.
 - Increased demand for services.
 - Rising prices in the health sector why?



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Tradeoffs take place among the three legs:

- Increasing quality in health care may lead to higher health care costs.
 - This means a compromise in access (affordability).
- I.e., with increasing quality, access may suffer.
- By increasing access, quality may suffer.
- By decreasing costs, quality may suffer.

In healthcare in the United States, there are potential opportunities to improve all three simultaneously.

E.g., it is possible that increasing quality can reduce costs.



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