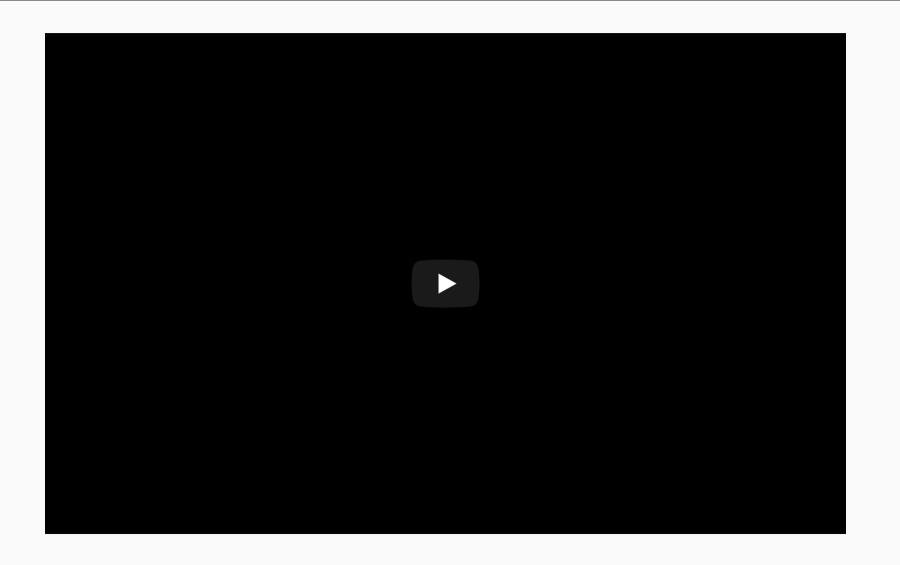
Sticker Shock! Economics and Healthcare Pricing

and health economics at Emory

Ian McCarthy | Emory University Tuesday, August 23, 2022

Health care in the U.S.



Some thought on U.S. health care...

- 1. Quality is "Meh"
- 2. The System is Confusing
- 3. Economics can help
- 4. What we're doing at Emory

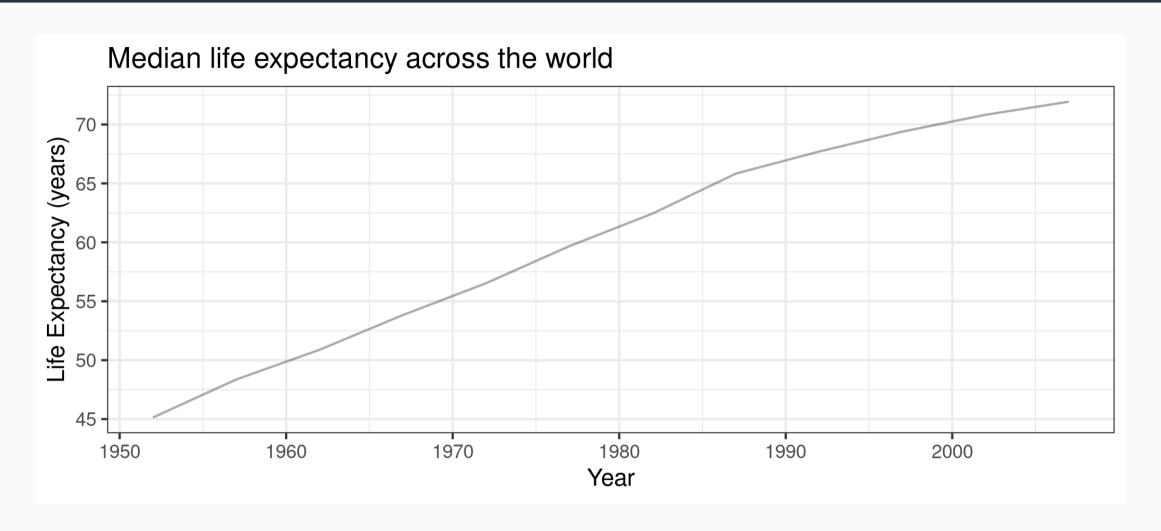
Spending and Quality

Health improvements worldwide

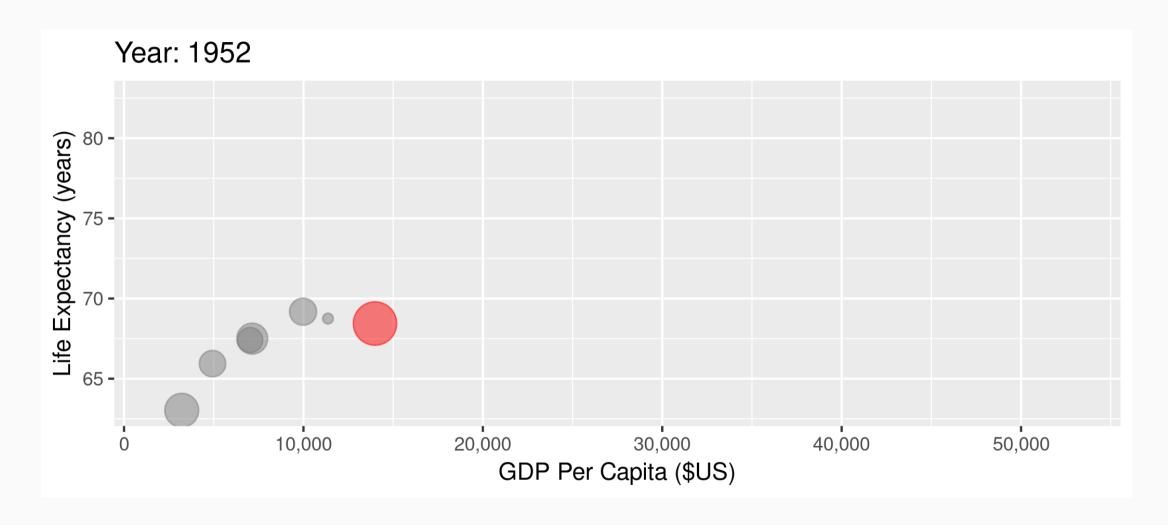
We've made *major* improvements in life expectancy (and many other measures of health) across the world

- Poverty reduction
- Technology development and innovation
- Technology diffusion and adoption
- Access to better services, including health care

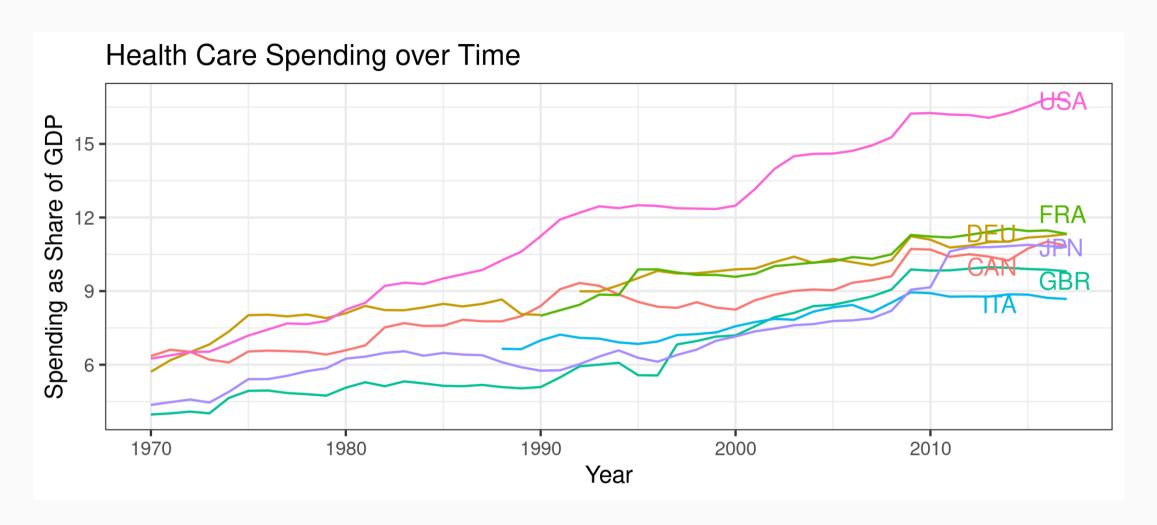
Health improvements worldwide



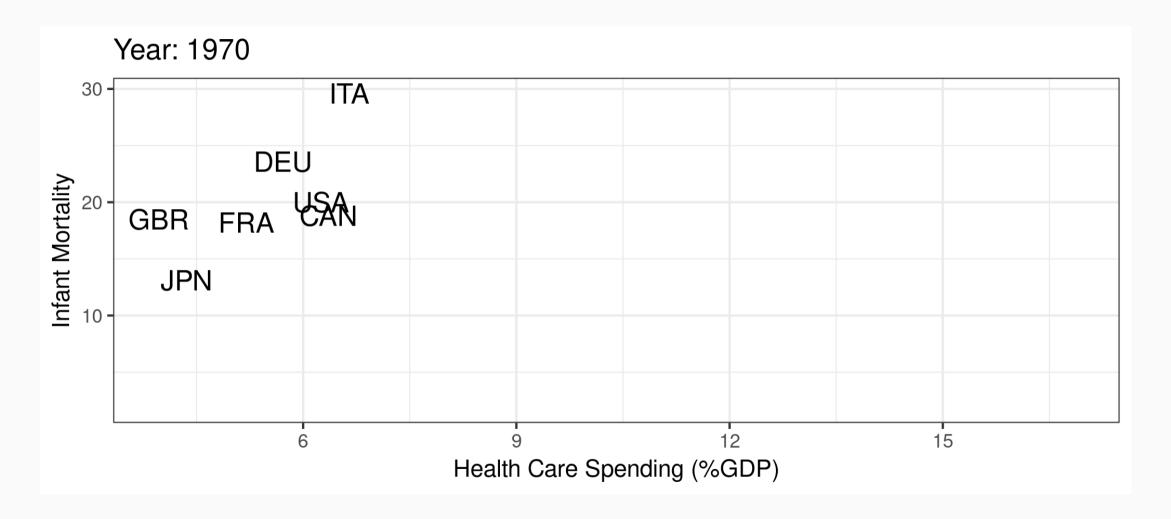
But the U.S. is unique



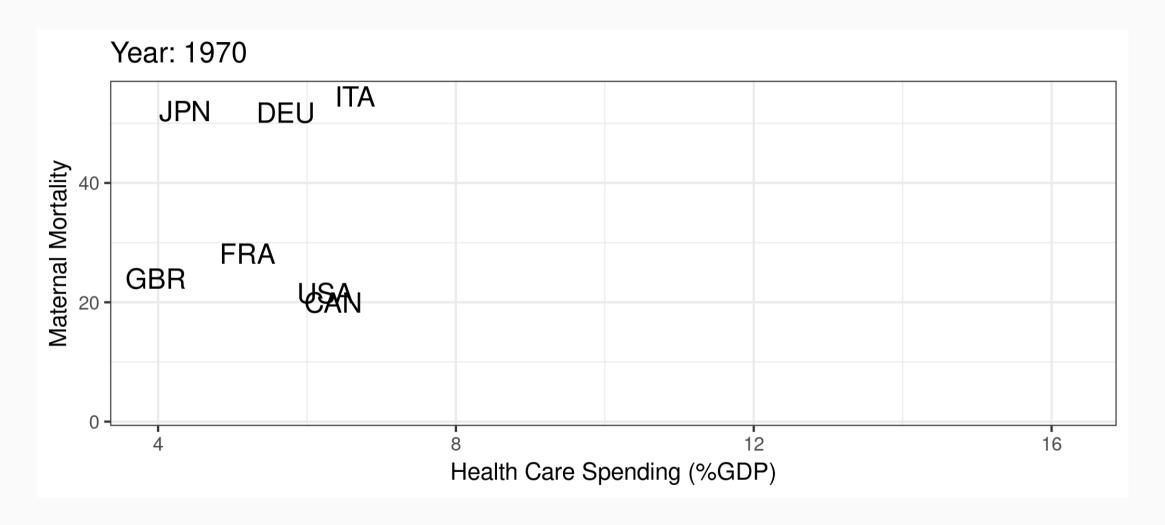
The U.S. has very high spending



And our spending doesn't pay off in some areas



And our spending doesn't pay off in some areas



Why? U.S. Healthcare is SO Confusing!

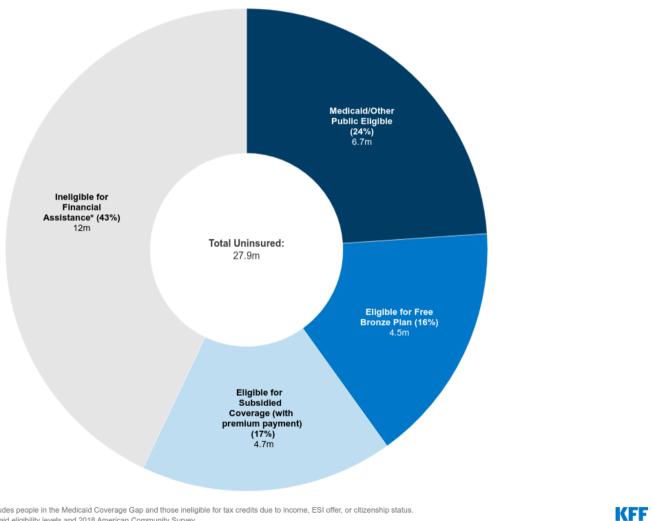
Fragmented

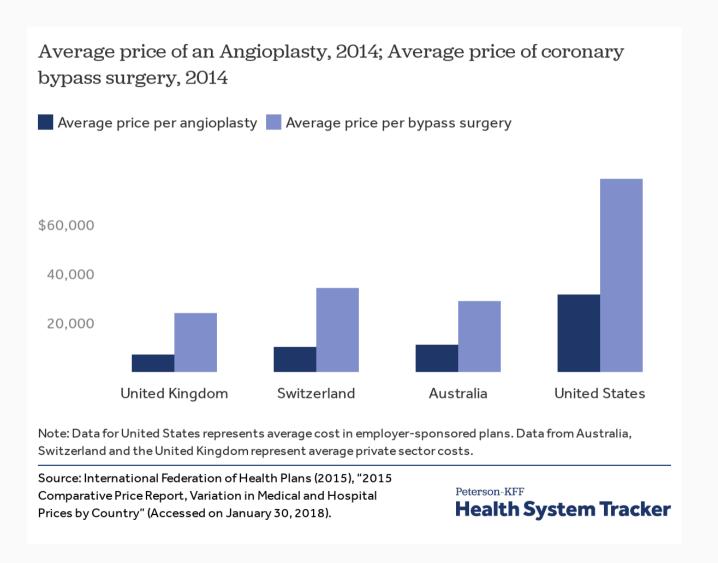
- different ways to get insurance
- mix of providers, organizational structures, and reliance on referrals
- separate billing (for the most part)

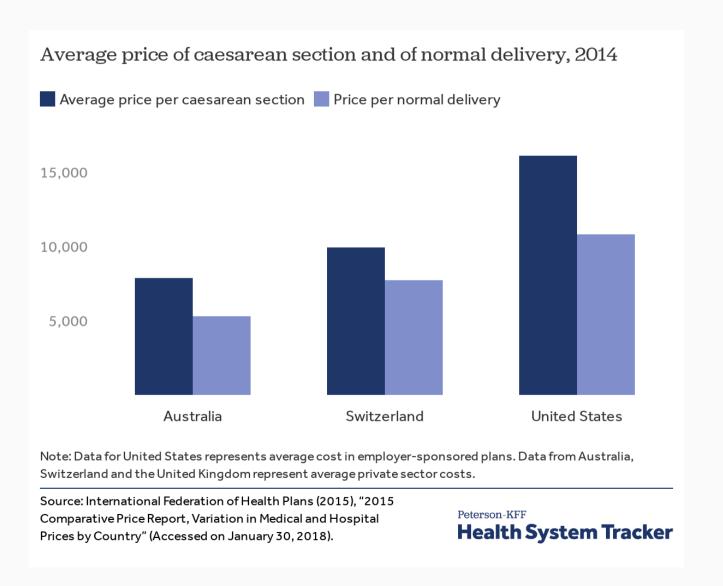
What does all this complexity mean?

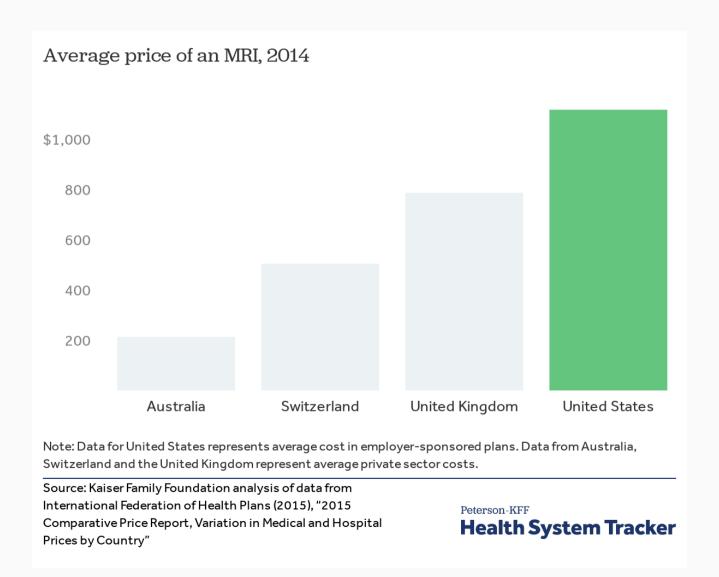
1. Too many uninsured

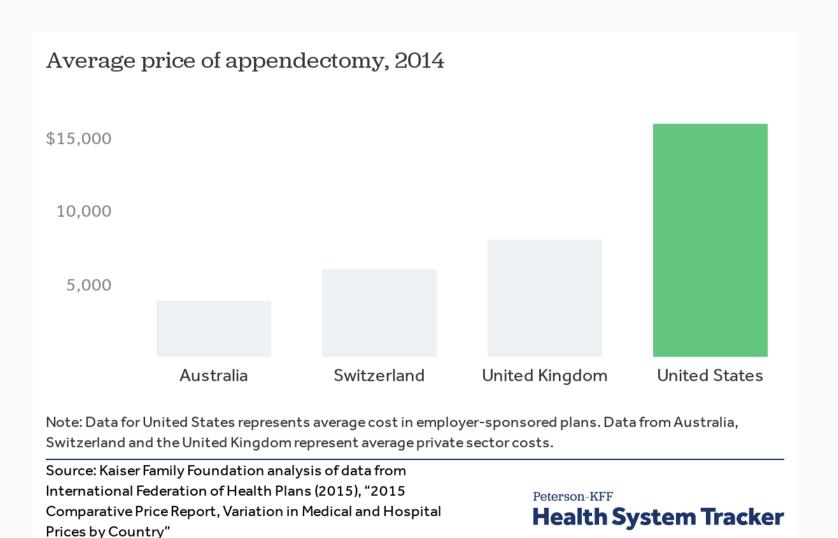


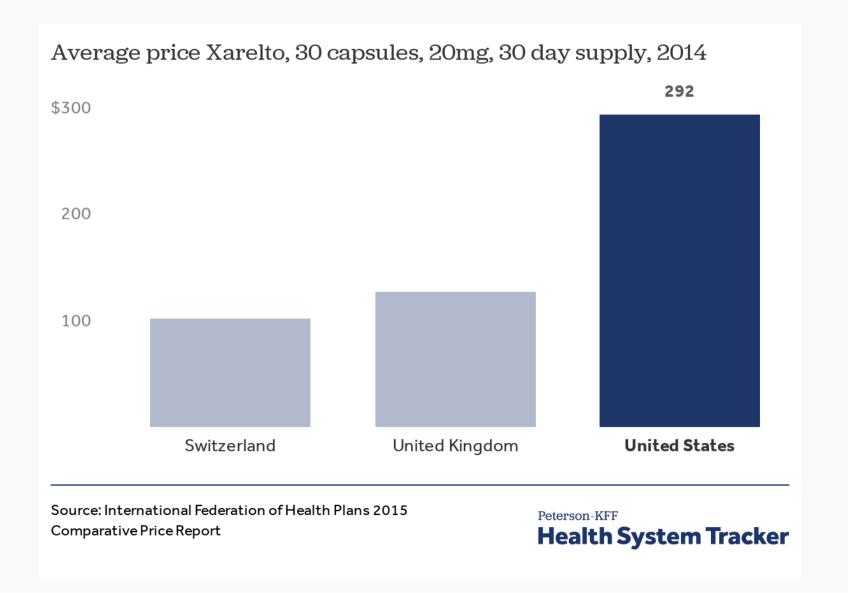






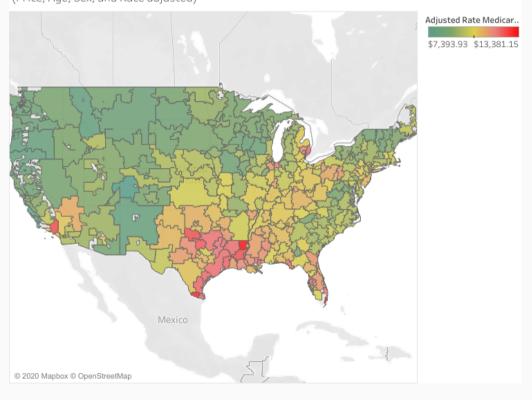


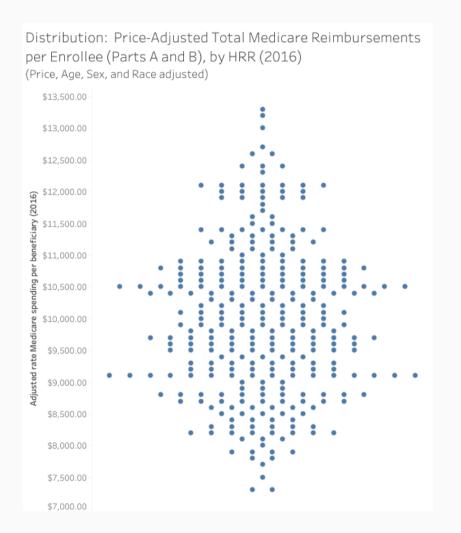




3. Variation in quantity

Map: Price-Adjusted Total Medicare Reimbursements per Enrollee (Parts A and B), by HRR (2016) (Price, Age, Sex, and Race adjusted)





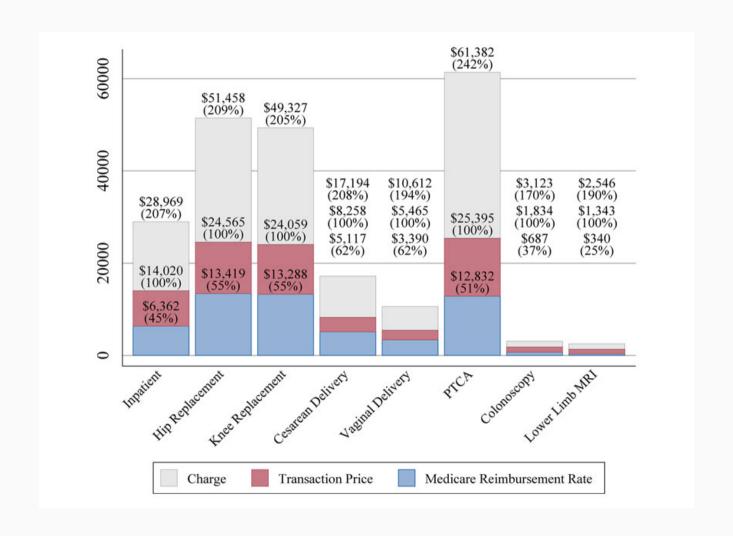
4. Variation in prices

Some variation due to different "prices" for different people

- Negotiation with private insurers (bargaining problem)
- Set payment from Medicare and Medicaid
 - Medicaid managed care (80%)
 - Medicare Advantage (45%)
- Uninsured patients (charge amounts)

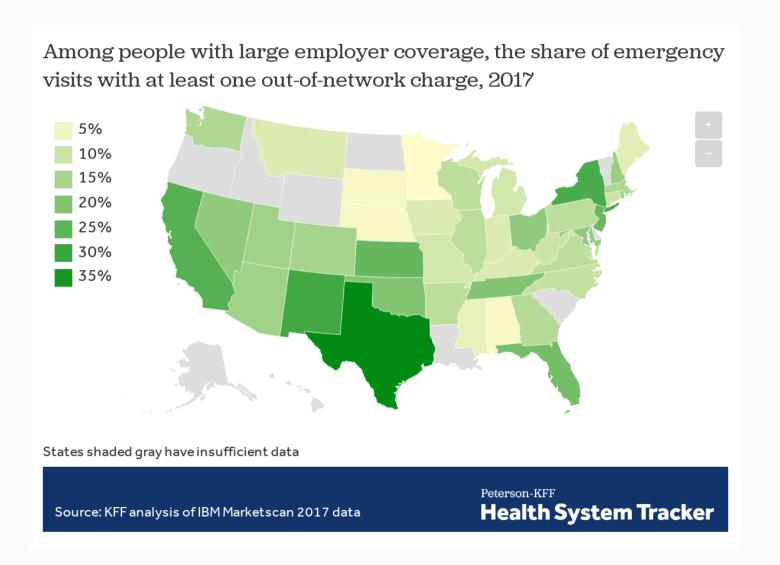
Price ≠ charge ≠ cost ≠ patient out-of-pocket spending

4. Variation in prices



4. Variation in prices

5. Crazy billing practices



5. Crazy billing practices

Where does economics fit in here?

Health care and economics (in general)

Lots of interesting economic issues in health care (not all unique to the U.S.):

- 1. Extremely heterogeneous products
- 2. Asymmetric information between patients and physicians
- 3. Unobservable quality (experience good)
- 4. Unpredictable need (inability to shop in many cases)
- 5. Distortion of incentives due to insurance
- 6. Adverse selection (asymmetric information between patients and insurers)

How is the U.S. unique?

These factors exist in other markets and in other countries, but...

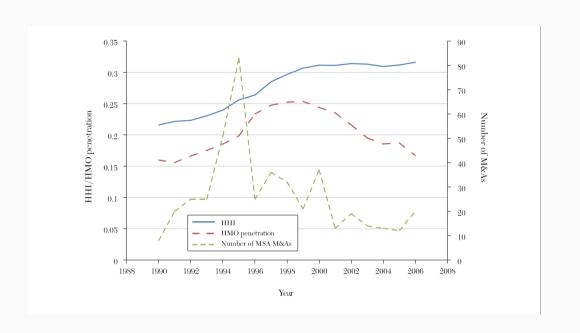
- Health care is unique in the combination of these issues
- U.S. is unique in the extent of these issues in health care (policy problems)
- We have a market based system but without much competition...

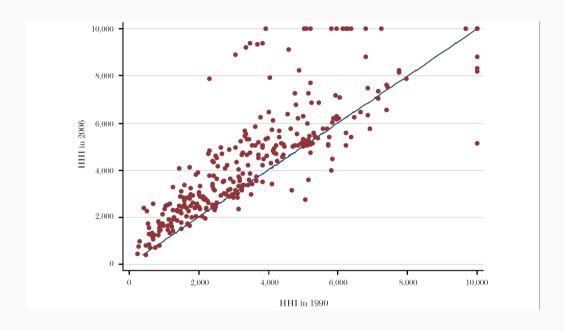
Trends in competitiveness

Almost any way you define it, hospital markets are more and more concentrated (less competitive) in recent decades.

- 1990: 65% of MSAs highly concentrated, 23% unconcentrated
- 2006: 77% highly concentrated, 11% unconcentrated

Hospital concentration over time



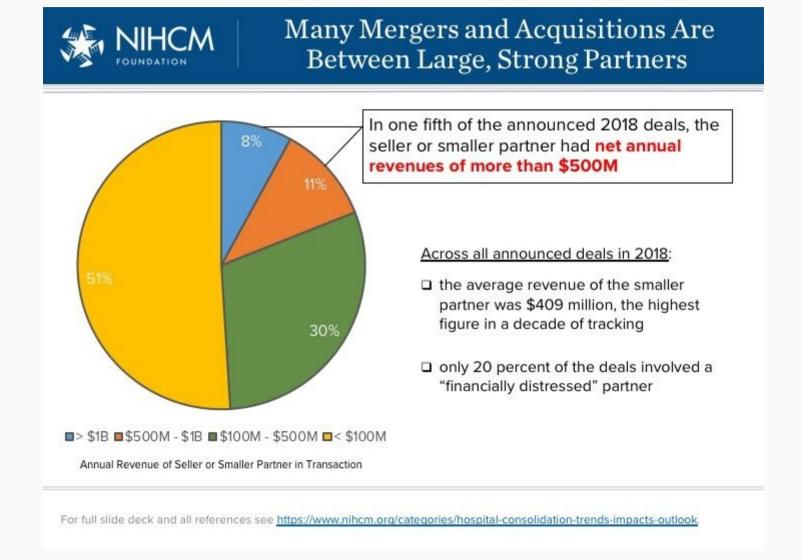


Source: Gaynor, Ho, and Town (2015). The Industrial Organization of Health Care Markets. Journal of Economic Literature.

Hospital concentration over time

 More recent data on hospital market concentration from the Health Care Cost Institute

Types of hospitals involved in mergers



Effects of reduced competition

- 1. Higher prices
- 2. Lower quality, 2020 NEJM Paper
- 3. Maybe lower costs (but not passed on to lower prices)

Why?

Historical perception of hospital competition as "wasteful" and assumption that more capacity means more (unnecessary) care:

- Certificate of need laws
- Certificate of public advantage
- Scope of practice laws
- Any willing provider laws
- Site-based payment differentials (encourage vertical integration)

Where do we go frome here?

- 1. Adopt sensible policies
- 2. Antitrust enforcement

What are we doing at Emory?

Health economics at Emory

Graduate program:

- Economics program focus on health as a subfield of economics
- 20-30% of our graduate students are specifically interested in health

Undergraduate program:

- Significant interest in health policy and pre-med
- Recent launch of joint major in economics and human health

Rollins School

• Strong collaboration with Department of Health Policy and Management

Some success stories