Healthcare Rationing and Medical Insurance

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Background

- Belding Scribner developed a shunt that would enable people with kidney failure to be hooked up to a dialysis system.
- There were many more people who needed dialysis than were systems. A committee was established with two subcommittees (one to judge medical need and the other to judge social worth).
 - Decisions were made on a case by case basis for over 12 years.
 - The committee was widely criticized
 - James Childress advocated for a lottery system
 - Nicholas Rescher advocated for a solely Utilitarian system
 - In 1972 the US government ended the problem by funding treatment via Medicare.
- Unique example because only known example
- Government has not acted in other areas.

Rationing

- Introduction to rationing
- What does rationing mean?
 - Rationing is the controlled distribution of scarce resources, goods, or services.
 - Rationing is the artificial restriction of demand.
- Examples:
- Civilian rationing during the WW2
- Military rationing
- Gasoline
- Drugs
- Medical Treatment

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Supply Side

- Supply in healthcare
 - What does supply mean in the context of healthcare?
 - Knowledge/research
 - Workforce (doctors, nurses, etc.)
 - Infrastructure (hospitals, ambulances, networks, etc.)
 - Consumables (pharmaceuticals, etc.)
- "Health is priceless, but it comes at a cost"
- What are the drivers to healthcare supply?
 - The budget of the government for health care
 - Insurance
 - Individual's financial capacity (out-of-pocket)
 - Healthcare system management

Demand

Demand in healthcare

- Healthcare demand can be defined as healthcare needs
- How do you know what you need?
 - Healthcare knowledge and research
 - Diagnosis/tests (requiring techniques, knowledgeable professionals and facilities)
- How are healthcare needs different from any other product demands?
 - Individuals do not necessarily know what they need
 - Before a diagnosis, a patient is not aware of his/her needs
 - An external actor the doctor informs people of their healthcare needs

Medicaid/Medicare

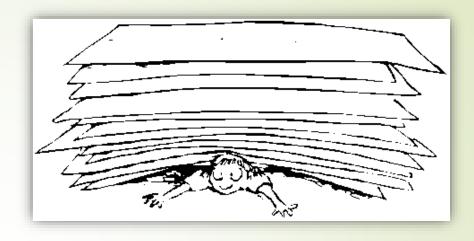
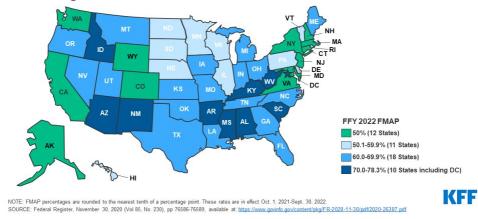


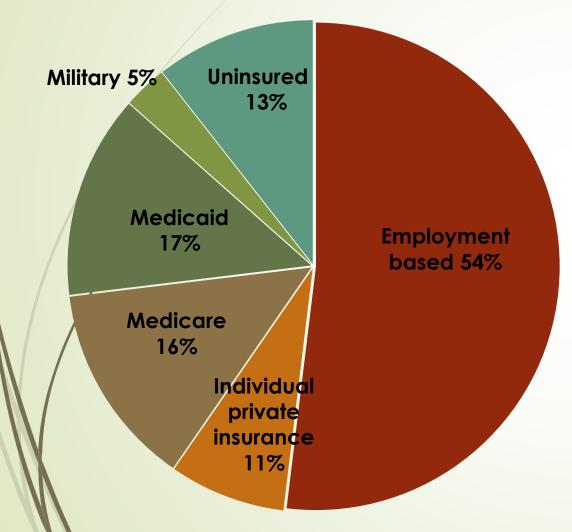
Figure 1

States with lower per capita incomes have a higher federal matching rate for Medicaid.



- Medicare
 - 83,195,041 June 2021
- Medicaid
 - 76,302,278 June 2021
- CHIP
 - 6,892,763 June 2021
 - provides low-cost health coverage to children in families that earn too much money to qualify for Medicaid but not enough to buy private insurance
- Medicaid funding
 - The formula is designed so that the federal government pays a larger share of program costs in poorer states.

Sources of Health Insurance (2013)



Medicare and Medicaid spending

- 39% of national health spending
- 23% of federal budget
- 43% of hospital revenues

Chart #1

Increases in Health Insurance Premiums Compared to Other Indicators, 1988-2004



Note: Data on premium increases reflect the cost of health insurance premiums for a family of four.

Source: KFF/HRET Survey of Employer-Sponsored Health Benefits: 1999-2004; KPMG Survey of Employer-Sponsored Health Benefits: 1993, 1996; The Health Insurance Association of America (HIAA): 1988, 1989, 1990; Bureau of Labor Statistics, Consumer Price Index (U.S. City Average of Annual Inflation (April to April), 1988-2004; Bureau of Labor Statistics, Seasonally Adjusted Data from the Current Employment Statistics Survey (April to April), 1988-2004.

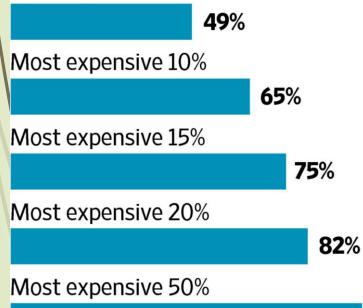
Health Imbalance

Most U.S. health-care spending is for a small number of very expensive patients.

Most expensive 1% of patients

21% of health spending

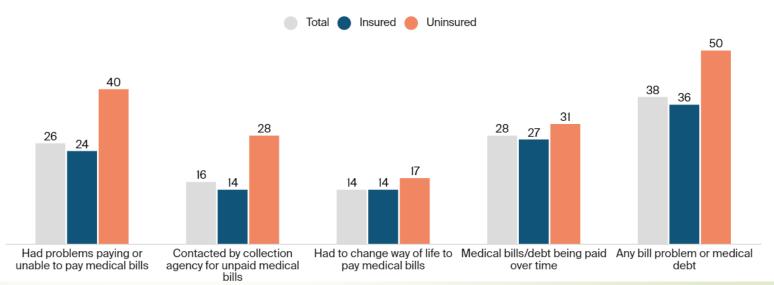
Most expensive 5%



97%

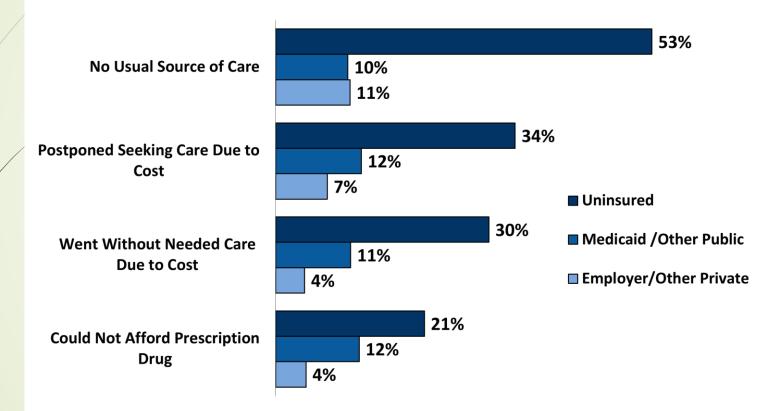
Note: For 2013 Source: Kaiser Family Foundation **THE WALL STREET JOURNAL.** More than one-third of insured adults and half of uninsured adults said they had a medical bill problem or were paying off medical debt.

Percent of adults ages 19-64 who had medical bill or debt problems in the past year



Source: Sara R. Collins, Gabriella N. Aboulafia, and Munira Z. Gunja, As the Pandemic Eases, What Is the State of Health Care Coverage and Affordability in the U.S.? Findings from the Commonwealth Fund Health Care Coverage and COVID-19 Survey, March–June 2021 (Commonwealth Fund, July 2021

Access to Health Care⁶



In past 12 months.

Respondents who said usual source of care was the emergency room were included among those not having a usual source of care. All differences between uninsured and insurance groups are statistically significant (p<0.05). SOURCE: KCMU analysis of 2014 NHIS.



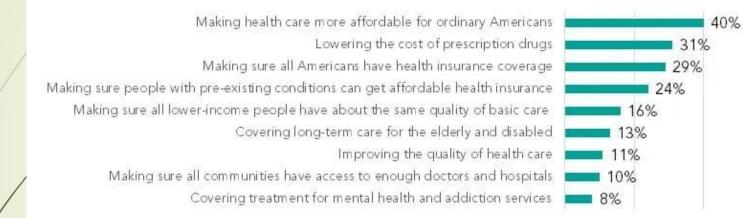
Does Health Insurance Make a Difference?

Uninsured

- Fewer regular medical visits and preventive health screening tests
 - Higher rates of undiagnosed and uncontrolled HTN, diabetes, and hypercholesterolemia
 - Lower survival rates for breast and colorectal cancers
- Increased mortality (likely owing to greater morbidity from chronic medical conditions like diabetes, HTN, and cardiovascular disease)
- Worse clinical outcomes during hospitalization
 - May lead to underuse and/or overuse
 - Higher in-hospital mortality rates

Making health care more affordable is the biggest priority for Americans.

Figure 3. Percent of Americans who say the following should be one of the two biggest priorities for improving health care in the United States



Base: All respondents, N=1,020

Numbers do not add up to 200 percent as respondents who did not select a priority or only selected one are included in the figure.

Public Agenda/USA Today/Ipsos Hidden Common Ground Survey – Health Care

Justice Perspective

Class of principle	Variants that have been proposed in the literature	Recommendation in our exercise*		
A. Need principles	Distribute in proportion to degree of immediate threat to life	Daniel, Joanne		
	Distribute in proportion to degree of immediate ill-health	Daniel, Marinder & Steve equal, Joanne		
	Distribute in proportion to degree of lifetime ill-health	Daniel, Joanne, Steve, Marinder		
	Distribute in proportion to immediate capacity to benefit	Daniel, Marinder & Steve equal, Joanne		
	Distribute in proportion to lifetime capacity to benefit	Steve, Daniel & Marinder equal, Joanne		
	Distribute in proportion to cost of exhausting capacity to benefit	Equal chance for all four patients		
B. Maximising principles	Maximise health	Steve, Marinder, Daniel, Joanne		
	Maximise wellbeing (including non-health aspects)	? Depends on non-health factors		
C. Egalitarian principles	Equalise lifetime health expectancy ("fair innings" argument)	Daniel, Joanne, Steve, Marinder		
	Equalise opportunity for lifetime health expectancy	Daniel, Steve, Joanne, Marinder		
D. Combination principles	Combine maximise health with equalise lifetime health expectancy	Steve, Daniel, Marinder, Joanne		
	Combine a need principle with a maximising principle	? Depends on which versions of the principles and what weights		

*This is based on various working assumptions described in the main text of this paper, in particular (1) that Steve and Marinder have an equal degree of immediate ill-health, (2) that Steve will gain the most health from treatment (over his entire lifetime), that Joanne will gain the least, and that Daniel and Marinder will gain the same amount, (3) that treating Marinder would have a substantial indirect health benefit for others by freeing up long term care resources; and (4) that Joanne had more choice about her health predicament than Steve.

Richard Cookson and Paul Dolan.

Journal of Medical Ethics 2000;26:323–329

Rationing Approaches by Health Insurance Providers

- Denial of claims
 - denial rate averages between 5 and 10%.
- Exclusions
 - Specific services
 - Mental health
 - Pre-existing conditions
- Deductibility rates
- Reimbursement caps
- Limiting access
 - Preauthorization
 - which physicians you can use
 - Excluding expensive drugs
- Delaying treatment
 - step therapy" or "fail first" policies
 - Use cheaper drug and if it fails then use more effective expensive drug
- Inpatient and outpatient care

Commonly used rationing Reasons

- Behavior: priority to those who have not become ill by own fault.
- Instrumental value: priority to those who have essential roles for keeping society operational (e.g., hospital staff).
- Monetary: substantial contribution to the costs of the treatment.
- Order: according to the order of registration.
- Random: random selection, e.g., via a lottery.
- Service: contribution in the past to the common good (e.g., by volunteering).
- Sickest first: the sickest individuals to be given priority.
- Survival: the likelihood to survive the longest.
- Youngest: prioritizing young individuals.
- Combination: a combination of criteria including age (youngest first), and prognosis (longest survival with intervention).

Percentage (%)	Sickest First	Order	Survival	Behavior	Young first	Random	Combination	Service	Monetary	N
Scenario 1. Organ d	onation for trans	plant								
Religion scholars	60.0	10.0	6.7	3.3	3.3	3.3	13.3	0	0	30
Physicians	33.1	11.4	14.5	3.0	3.6	0.6	33.1	0.6	0	166
Medical Students	48.8	7.4	14.2	1.9	1.2	1.2	24.7	0.6	0	162
Allied Health	51.6	7.4	11.5	4.9	2.5	0	22.1	0	0	122
Lay people	55.1	9.5	12.0	1.8	2.2	2.2	16.4	0.4	0.4	274
Total	48.5	9.2	12.7	2.7	2.4	1.3	22.7	0.4	0.1	754
Scenario 2. Flu epic	lemic									
Religious Leaders	54.2	0	25.0	20.8	0	0	0	0	0	24
Physician	44.5	3.6	20.4	8.8	13.9	0	7.3	0.7	0.7	137
Medical Students	53.3	6.6	16.7	4.4	12.4	1.5	4.4	0.7	0	137
Allied Health	59.0	2.0	12.0	9.0	7.0	1.0	10.0	0	0	100
Lay people	58.3	6.9	12.9	9.3	4.2	1.4	6.9	0.0	0	216
Total	54.1	5.0	15.8	8.5	8.5	1.0	6.7	0.3	0.2	614
Scenario 3. Expens	ive cancer medic	ation								
Religious Leaders	60.9	13	13.0	0	4.3	0	4.3	0	4.3	23
Physician	41.2	5.1	21.3	3.7	0.7	0	27.2	0	0.7	136
Medical Students	55.2	7.5	16.4	1.5	0	1.5	17.2	0	0.7	134
Allied Health	56.8	6.3	15.8	4.2	1.1	1.1	12.6	0	2.1	95
Lay people	55.0	8.0	17.5	2.0	1.5	2.0	12.5	0.0	1.5	200
Total	52.4	7.1	17.7	2.6	1.0	1.2	16.7	0.5	1.4	588

 Table 2. Percentages of respondents who chose each allocation principle as the most important one among the study group.

 https://www.frontiersin.org/articles/10.3389/fmed.2020.603406/full