

Determinants of Avoidable Mortality The Common Denominator

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Imagine...

...a system in which health care incentives are aligned to give first priority, first focus, and first dollar to keep each of us healthy, while also ensuring that, when we need it, each of us receives the best possible care guided by the best available evidence.

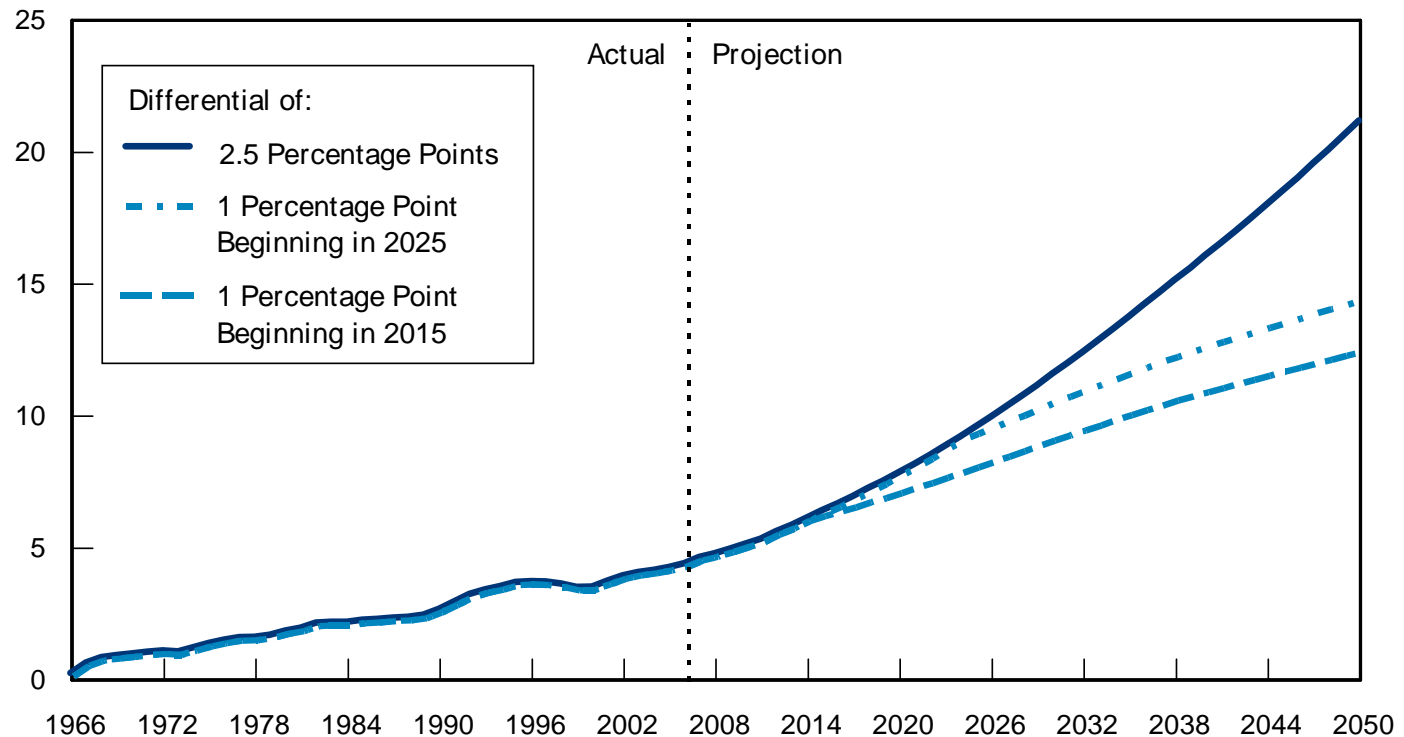
...that first dollar would go to ensuring that every child has the right teacher for his or her needs.

Population health priorities...

1. Disease treatment
2. Disease prevention
3. Health improvement

1. Disease treatment...

Federal health spending & GDP...

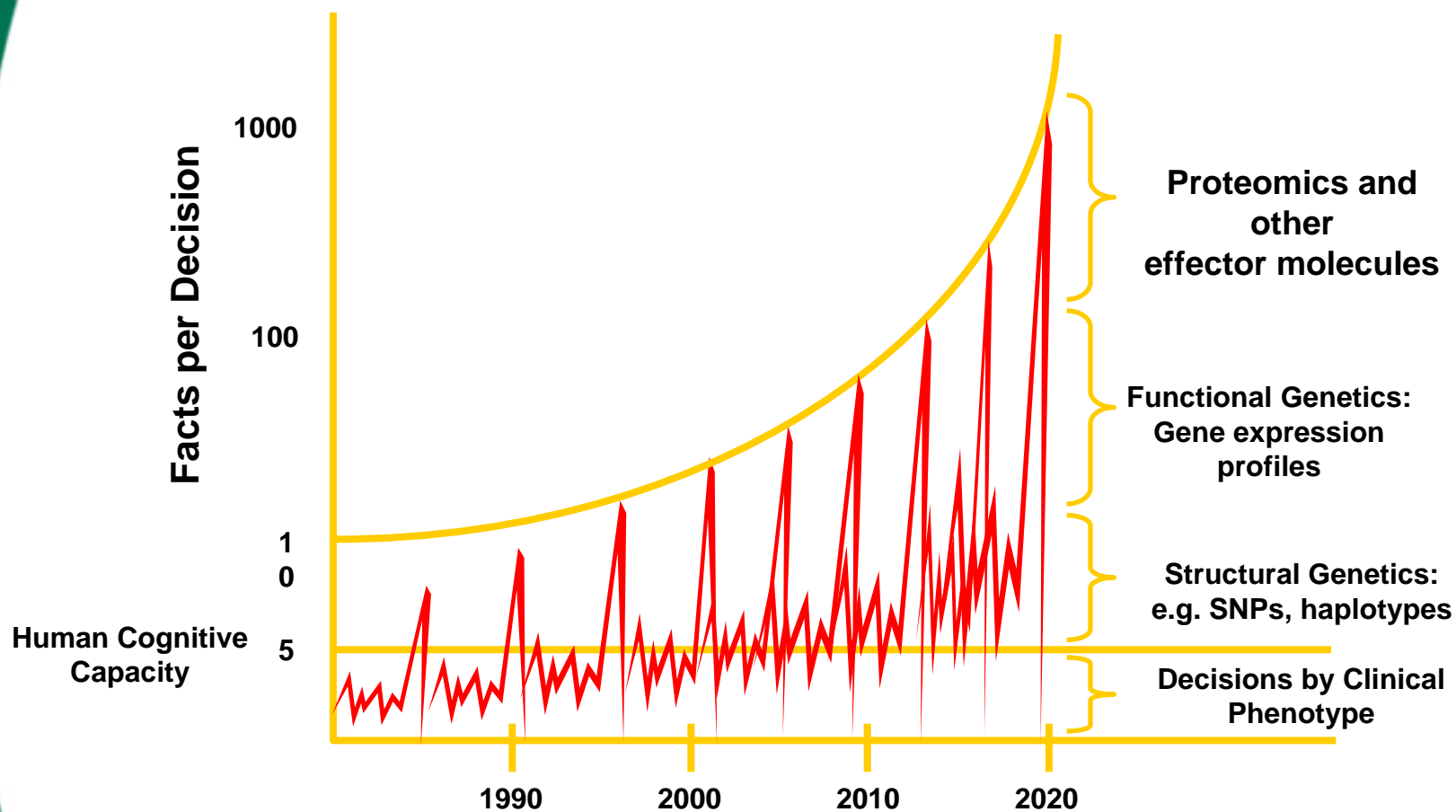


Peter Orszag, IOM Meeting, 8 October 2007. Scenarios for growth in share of GDP for Medicare and Medicaid spending.

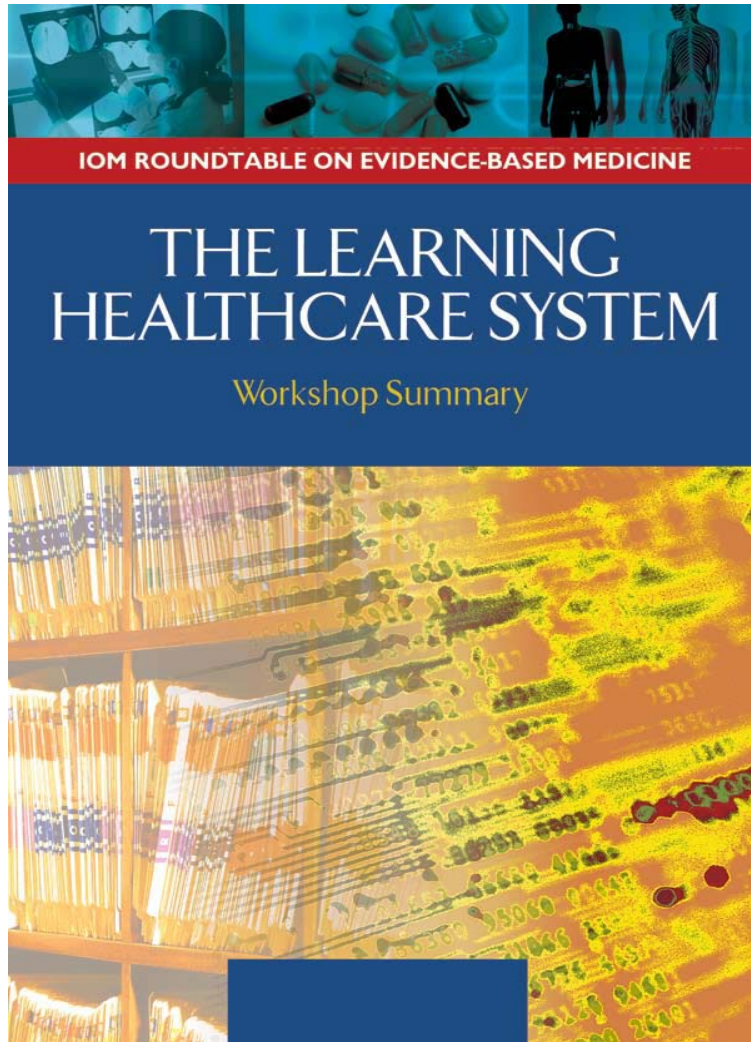
A rational investment strategy?

- **Expensive health care:** 30% higher than the world's second biggest spender
- **Poor returns:** at least 2 dozen countries with better health statistics
- **Backward priorities:** first dollar to treatment, last to prevention
- **Human consequences:** illness, injury, pain, suffering, and death that ought not to occur

Challenge to providers



William Stead, IOM Meeting, 8 October 2007. Growth in facts affecting provider decisions versus human cognitive capacity.



Learning healthcare system...

- Continuous improvement in the value delivered
- Learning in health care as a partnership enterprise
- Developing the point of care as the knowledge engine
- Full application of electronic health records
- Data base linkage and use
- Advancing clinical data as a public utility
- Building innovative effectiveness research into practice
- Patient engagement central to the evidence process
- Development of a trusted scientific intermediary
- Leadership that stems from every quarter

2. Disease prevention...

Leading killers of Americans

1.	Heart disease	850,000
2.	Cancer	550,000
3.	Stroke	150,000
4.	Chronic lung disease	125,000
5.	Accidents	110,000
6.	Diabetes	75,000
7.	Alzheimer's disease	65,000
8.	Pneumonia/influenza	60,000
9.	Kidney disease	45,000
10.	Septicemia	35,000

Leading *actual* killers of Americans

1. Diet and physical inactivity	350,000
2. Tobacco	300,000
3. Alcohol	90,000
4. Infectious diseases	80,000
5. Medical errors	70,000
6. Toxic agents	60,000
7. Firearms	30,000
8. Motor vehicles	25,000
9. Sexual behavior	20,000
10. Drug use	15,000

Clinical preventive services...

- Immunization
- Chemoprophylaxis
- Screening and follow-up intervention
- Behavior Counseling services

100,000 lives saved from 5 services...

- Aspirin use to prevent heart disease
- Smoking cessation assistance
- Influenza/pneumonia immunization (> 50)
- Colorectal cancer screening (> 50)
- Breast cancer screening (> 40)

Partnership for Prevention, 2007

Highest ranked preventive services...

	HR	CE	TOT
Discuss daily aspirin use—m 40+, f 50+	5	5	10
Childhood immunizations	5	5	
Smoking cessation advice and help to quit—adults	5	5	
Alcohol screening and brief counseling—adults	4	5	9
Colorectal cancer screening—adults 50+	4	4	8
Hypertension screening and treatment—adults 18+	5	3	
Influenza immunization—adults 50+	4	4	
Vision screening—adults 65+	3	5	
Cervical cancer screening—women	4	3	7
Cholesterol screening and treatment—m 35+, f 45+	5	2	
Pneumococcal immunization—adults 65+	3	4	
Breast cancer screening—women 40+	4	2	6

Return from \$10 prevention investment*

Annually w/in	1-2 Years	5 Years	10-20 Years
Medicare	\$487,000,000	\$5,213,000,000	\$5,971,000,000
Medicaid	\$370,000,000	\$1,951,000,000	\$2,195,000,000
Others/pckt	\$1,991,000,000	\$9,380,000,000	\$10,285,000,000

* 84 studies on intervention effectiveness, multiple foci (e.g. schools, diet, activity levels, prenatal care, tobacco taxes), compute disease reduction, costs averted

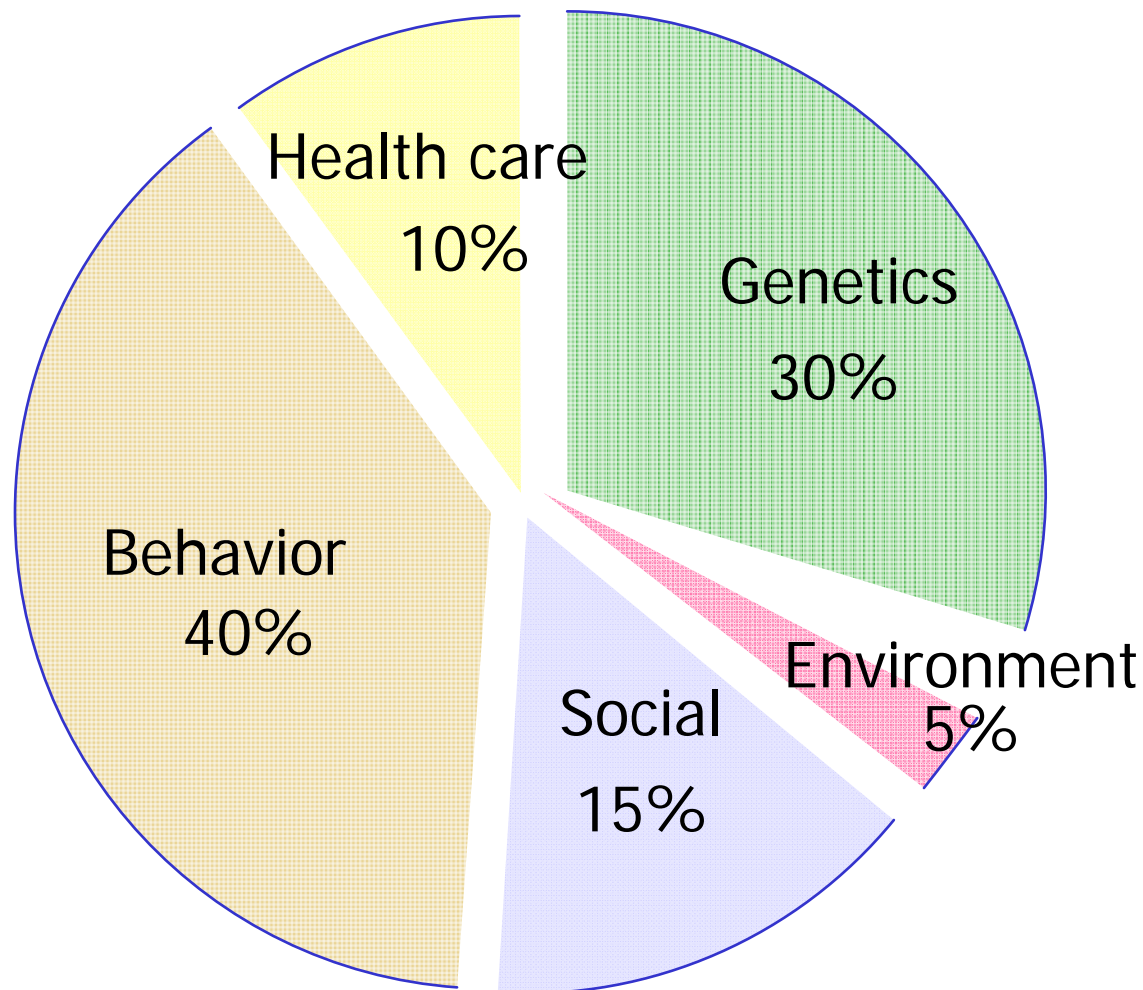
Trust for America's Health, 2008

Prevention-centered health reform...

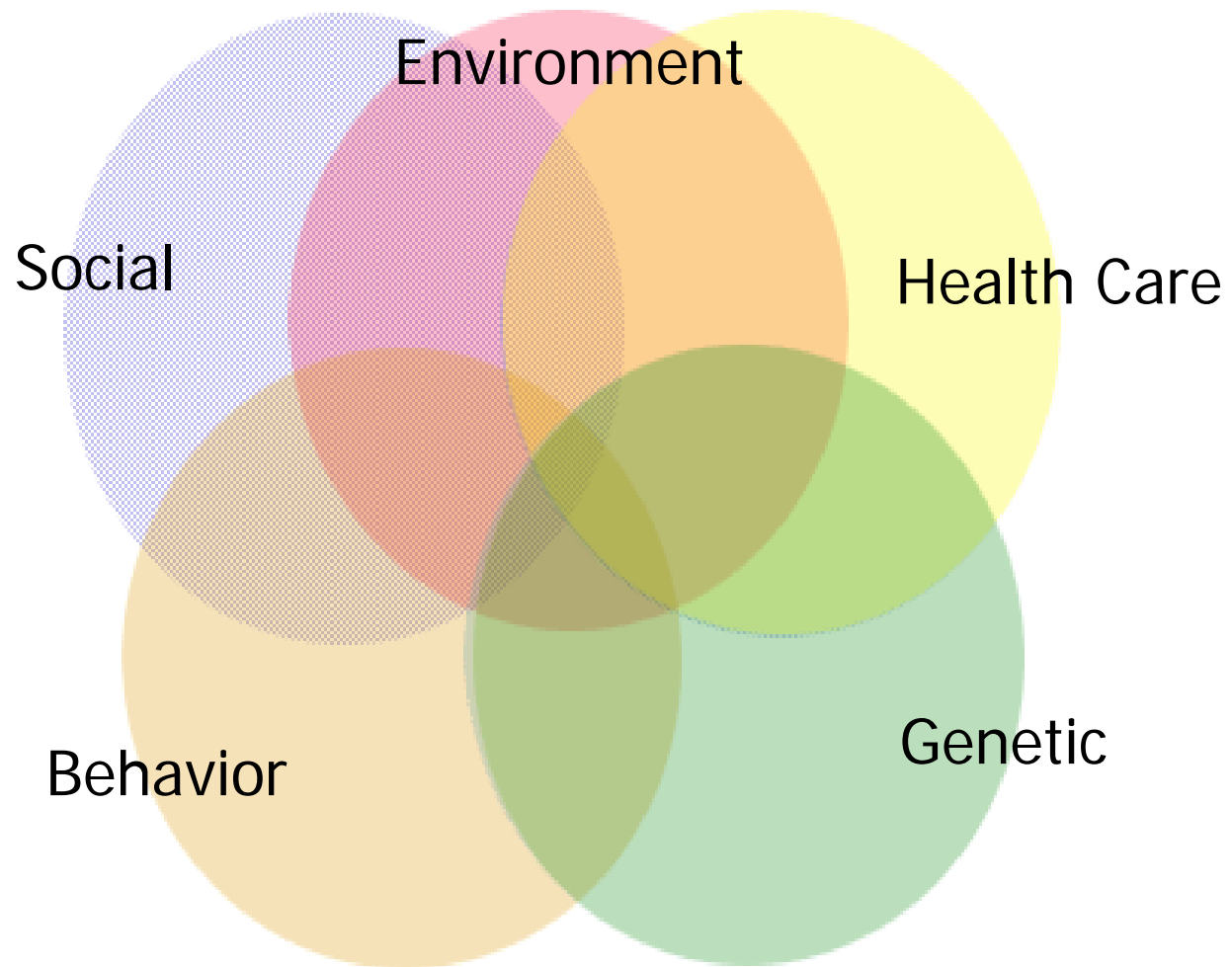
- Clinical preventive services covered with first dollar
- Public health and community preventive services as part of financing structure
- Targeted multifaceted initiatives on diet and physical activity patterns
- Strong incentives and accountability for population health improvement

3. Health improvement...

Determinants of Health



Domain Intersections



Imagining...

...a society of truly healthy people begins by imagining a society in which the first priority goes to ensuring that every child has the right teacher for his or her needs.