



ENVOLVE CENTER
FOR HEALTH BEHAVIOR CHANGE™

A research collaboration between
Brown School at Washington University in St. Louis,
The Center for Advanced Hindsight at Duke University
and Centene Corporation

Social Determinants and Healthcare:
Strategies for Healthcare Organizations and Professionals

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Social determinants of health

Economic Stability	Neighborhood and Physical Environment	Education	Food	Community and Social Context	Health Care System
Employment	Housing	Literacy	Hunger	Social integration	Health coverage
Income	Transportation	Language	Access to healthy options	Support systems	Provider availability
Expenses	Safety	Early childhood education		Community engagement	Provider linguistic and cultural competency
Debt	Parks	Vocational training		Discrimination	Quality of care
Medical bills	Playgrounds	Higher education			
Support	Walkability				

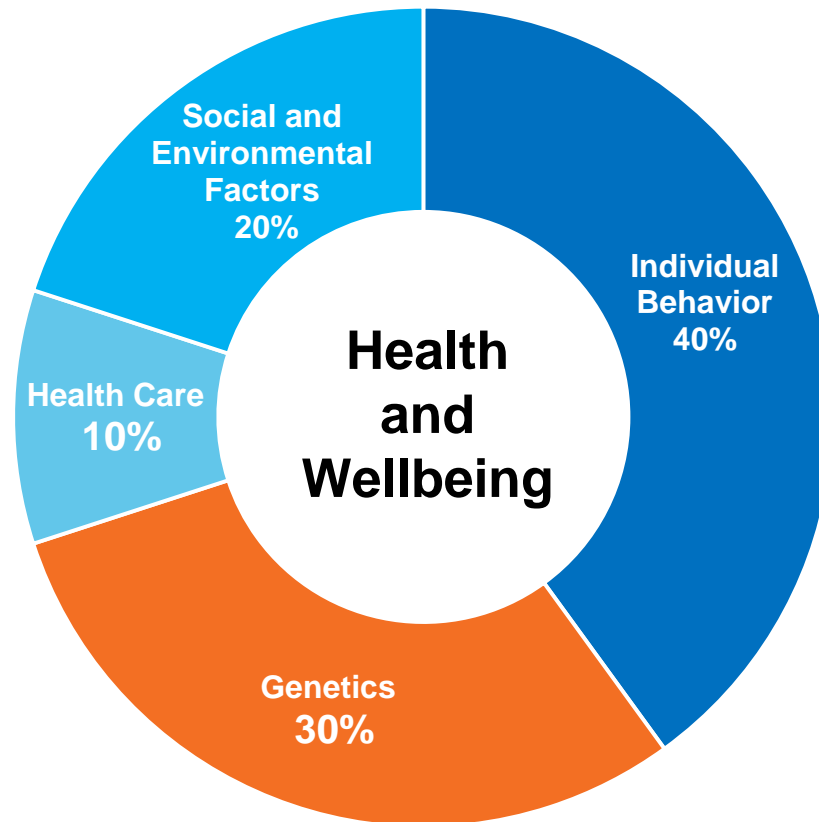
Health Outcomes

Mortality, Morbidity, Life Expectancy, Health Care Expenditures, Health Status, Functional Limitations

Source: Kaiser Foundation, "Beyond Health Care: The Role of Social Determinants in Promoting Health and Health Equity"

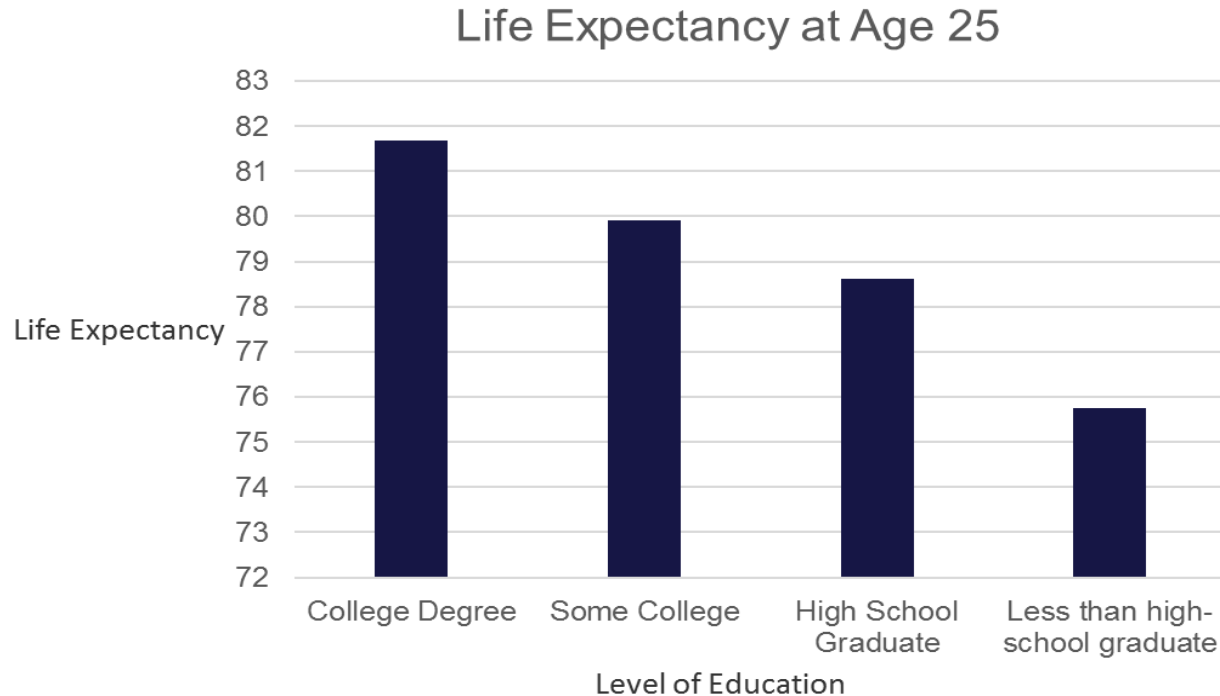


Social factors and early mortality



Source: Kaiser Foundation, "Beyond Health Care: The Role of Social Determinants in Promoting Health and Health Equity" SOURCE: Schroeder, SA. (2007). We Can Do Better -- Improving the Health of the American People. *NEJM*. 357:1221-8

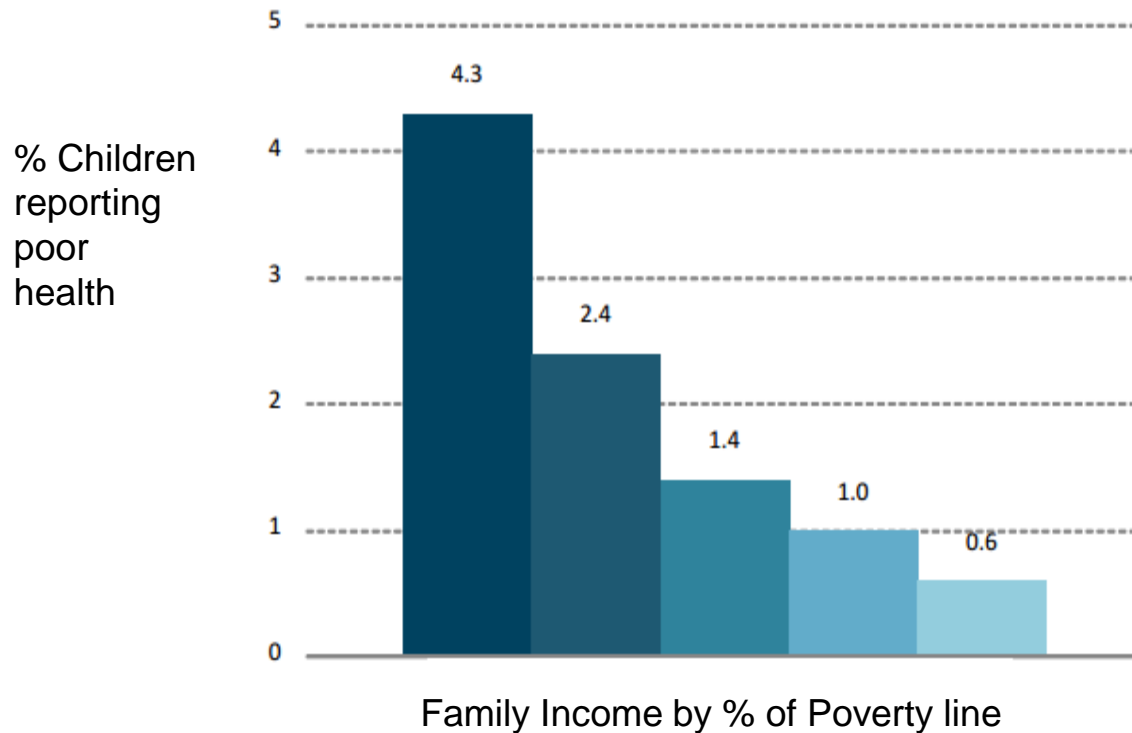
Health and education



Lower education is linked with poorer health – disproportionately impacting certain racial and ethnic groups

Source: Robert Wood Johnson Foundation and University of California, San Francisco Center on Social Disparities in Health

Health and wealth



Living below the poverty line is linked to 2 to 2.5 times higher chances of premature death.

Source: Robert Wood Johnson Foundation and University of California, San Francisco Center on Social Disparities in Health

Social determinants and St. Louis



Zip code & life expectancy in St. Louis region



Source: For the Sake of All
Using City of St. Louis Department of Health data

Collaboration to address health disparities

ENVOLVE CENTER

Collaborators

- Centene
 - 11 million insurance members across 24 states
 - Largest market share of Medicaid population in managed care (5.7 million people)
- Envolve
 - Health and wellness solutions (telehealth, health coaching, behavioral health)
- Washington University
 - Nationally known researchers in public health, behavioral economics, social work
- Duke University
 - Nationally known researchers in behavioral economics around health



Aims

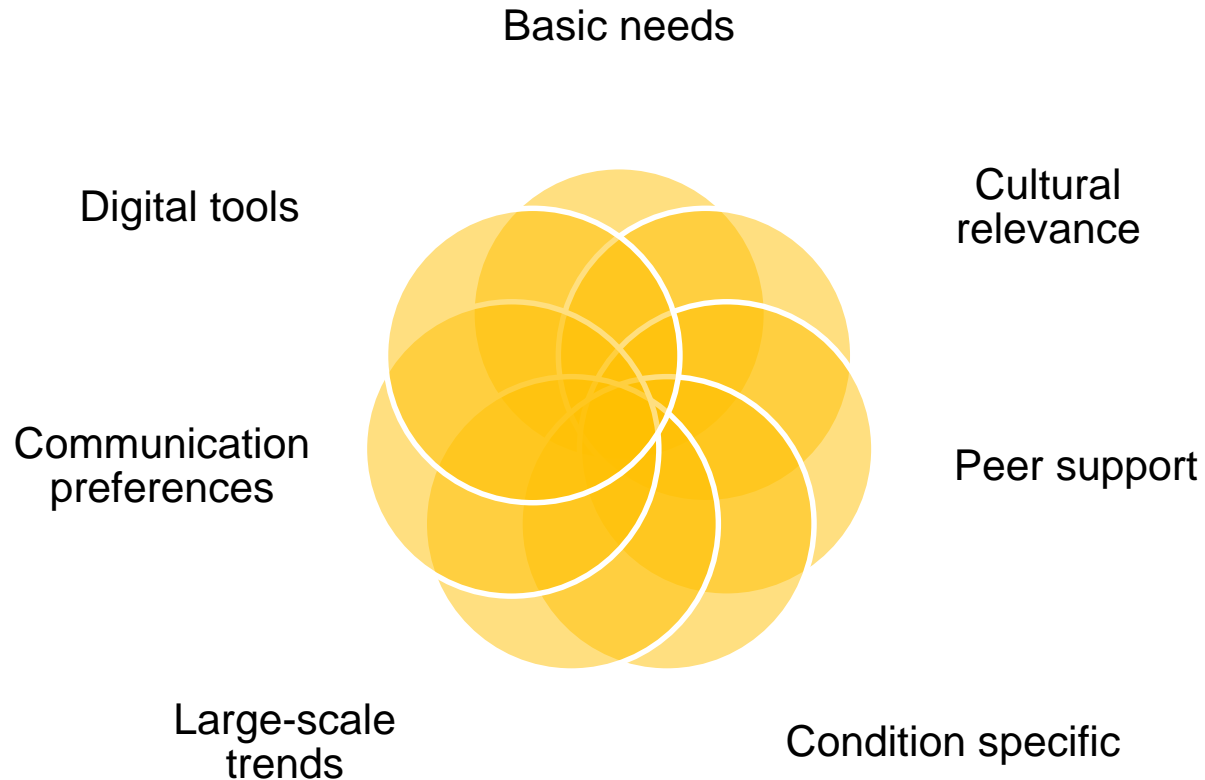
Bring academia and industry together

Test evidence-based scientific innovations in real-world settings

Focus on vulnerable populations

Scale solutions to impact health care industry and advance science

Research directions for addressing health disparities



Today's event

SOCIAL DETERMINANTS AND HEALTHCARE