







Looking Upstream

A webinar presented by the Robert Wood Johnson Foundation

FEATURING:

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ISSUE BRIEF SERIES: EXPLORING THE SOCIAL DETERMINANTS OF HEALTH INCOME, WEALTH AND HEALTH-APRIL 2011

This is one in a series of 10 issue briefs on the social determinants of health. The series began as a product of the Robert Wood Johnson Foundation Commission to Build a Healthier America and continues as a part of the Foundation's Vulnerable Populations portfolio.



How Social Factors Shape Health: Income, Wealth and Health

1. Introduction

Few people would deny that there are many advantages of having more income or wealth. Nevertheless, apart from the well-known link between economic resources and being able to afford health insurance and medical care, their influence on health has received relatively little attention from the general public or policy-makers, despite a large body of evidence from studies documenting strong and pervasive relationships between income, wealth and health 1,2. The evidence tells us that these relationships are Servees microne, wenth and neath. "In a evolution with 11 to 11 to

This brief summarizes the evidence that health varies with income and wealth, provides an overview of what is currently known about the pathways and biological mechanisms that can explain the links between economic resources and health, and briefly discusses the implications for policy.







ISSUE BRIEF SERIES: EXPLORING THE SOCIAL DETERMINANTS OF HEALTH RACE AND SOCIOECONOMIC FACTORS-APRIL 2011

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Race and Socioeconomic Factors Affect Opportunities for Better Health

1. Striking Differences in Health Are Seen Among Racial or Ethnic

Dramatic differences in health among racial or ethnic groups' in the United States have been observed repeatedly across a wide range of important indicators of health from the beginning of life through old age. The largest and most consistent health disparities generally are observed for blacks and—when data are available—American Indians generally are observed for blacks and—when data are available—American Indians compared with white, although Hispanics and some Asian groups also have significantly worse health than whites on a number of measures. For example, compared with a boby born to a white mother, a boby born to a black mother is more than twice as likely, and an infant born so an American Indian and Alada Natives mother almost 14 times as Inkely, and an infant born or an American Indian soft from the Alada Natives mother almost 14 times as Inkely, and an infant born or an American Indian soft from the Alada Natives mother almost 14 times as Inkely, and an infant born so an American Indian soft from the Alada Natives mother and the Alada Natives of the Alada Natives of the Alada Natives of the Alada Natives and the Alada Natives and the Alada Natives of the Alada Age-adjusted overall mortality rates are higher for blacks compared with all other groups (Figure 2); these age-adjused rates mask even larger disparities among the young. Adult Hispanics, Asians and blacks have higher rates of diabetes than adult whites (Figure 3).





VULNERABLE POPULATIONS PORTFOLIO

To understand health

disparities, it is not

race or only

enough to consider only

socioeconomic factors Both affect health.



A large body of

education with health,

like income are taken

even when other factors

evidence links

into account.

ISSUE BRIEF SERIES: EXPLORING THE SOCIAL DETERMINANTS OF HEALTH EDUCATION AND HEALTH - APRIL 2011

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Education Matters for Health

1. Introduction

Everyone knows that without a good education, prospects for a good job with good earning are tim. Few people that of education as a crucial path to beath, however, the property of the proper outcomes, this information is more difficult to measure and thus typically unavailable. People with more deficient one reliable by the longe; to experience better hastiff contenses (Figures 1 & 2.), and to practice health-promoting behaviors such as exerciting repulsarly, releasing from sundant, and obtaining minds) which care checkings and creenings. "Endocrosoft arminiment among points is linked with children's habital in well, begaining early in title, bother of more-efficient anders are less tables to the before their first both days, and children of more-efficient partners are sequentiated.

Education can influence health in many ways. This issue brief examines three major interrelated pathways through which educational attainment is linked with health: health knowledge and behaviors; employment and income; and social and neaths incoverage and benefits of section of the control and control and psychological factors, including sense of control, social standing and social networks. In addition, this brief explores how educational attainment affects health across generations, examining the links between parent strategies control and section of the social and economic advantages it represents—and their children's health and social advantages, including opportunities for educational attainment.



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More health care spending but less health: Life expectancy

- Japan (82.3 years)
- **Australia**
- Canada
- **Spain**
- Sweden/Switzerland
- Israel
- **Iceland**
- **New Zealand**
- **Italy**
- 10 Norway
- Ireland 11
- **United Kingdom**
- 13 Greece
- 14 **Austria**
- 15 **Netherlands**

- 16 Luxembourg
- 17 Germany
- **Belgium** 18
- **Finland** 19
- 20 Korea
- **Denmark** 21
- 22 **Portugal**
- **United States (78.2 years)** 23
- 24 Chile
- 25 Slovenia
- 26 **Czech Republic**

Source: CIA: The World Factbook online, January 2011 (2010 estimate)

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What influences health?

- Medical care
- Genetic makeup
- Climate and natural physical environment
- Behaviors, nutrition
- What else?
- And what influences the influences?

















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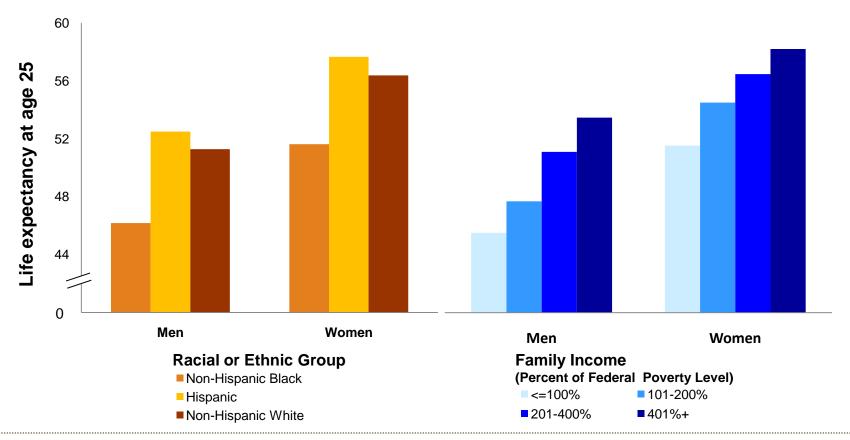








Clues? Large disparities by race/ethnic group and income, e.g. life expectancy at age 25



Source: NLMS, 1988-1998



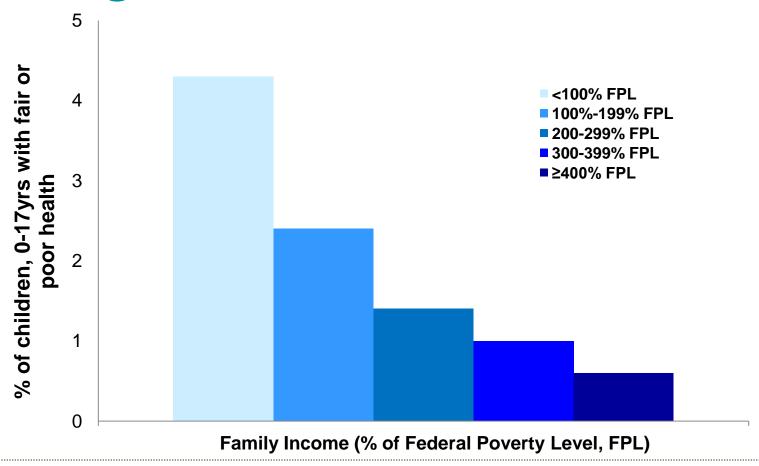








Higher income, better child health



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Source: National Health Interview Survey, 2001-2005. Age-adjusted



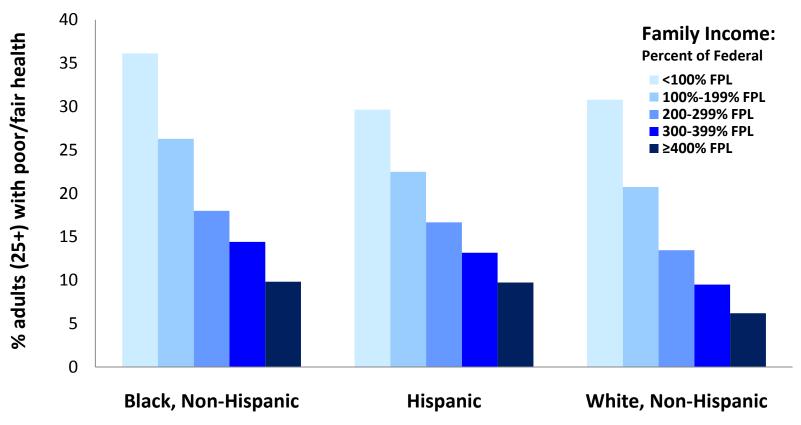








Racial/ethnic differences do not explain the income differences in health: adult health



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Source: NHIS 2001-2005. Age-adjusted



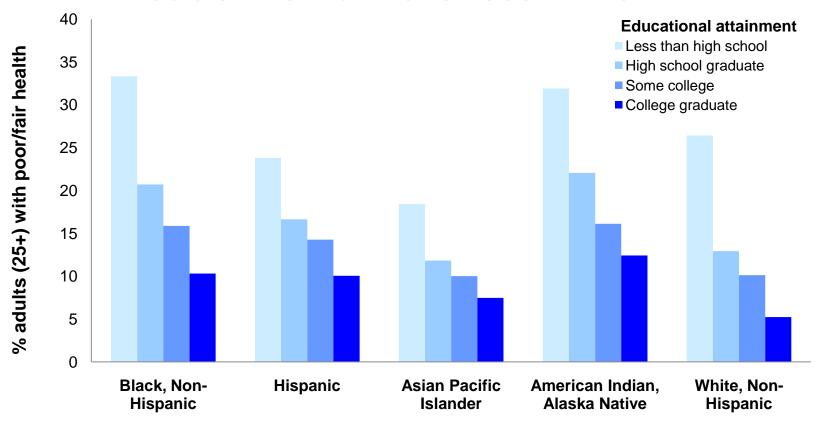








Racial/ethnic differences do not explain education differences in health



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Source: NHIS 2001-2005. Age-adjusted





How could income affect health?

Income directly shapes:

- Medical care
- Housing
- Nutrition
- Physical activity
- Neighborhood conditions
- Stress

Parents' income shapes the next generation's:

- Education
- Working conditions







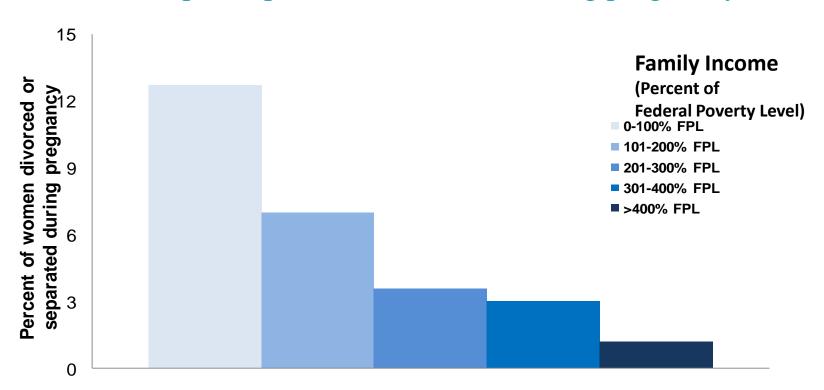






Higher income, less stress

For example, separation or divorce during pregnancy



Other stressors: domestic violence, job loss, incarceration, no social support, homeless, food insecurity, financial strain...

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Source: MIHA 2003-2006 (CDPH/MCAH)













Income affects neighborhood options Neighborhoods affect health

- Safe places to exercise
- Access to healthy food
- Targeted advertising of alcohol and tobacco
- Social networks and support
- Norms, role models, peer pressure
- Fear, anxiety, stress, despair
- Quality of schools
- Segregation often puts Blacks & Hispanics in unhealthier neighborhoods than similar-income **Whites**



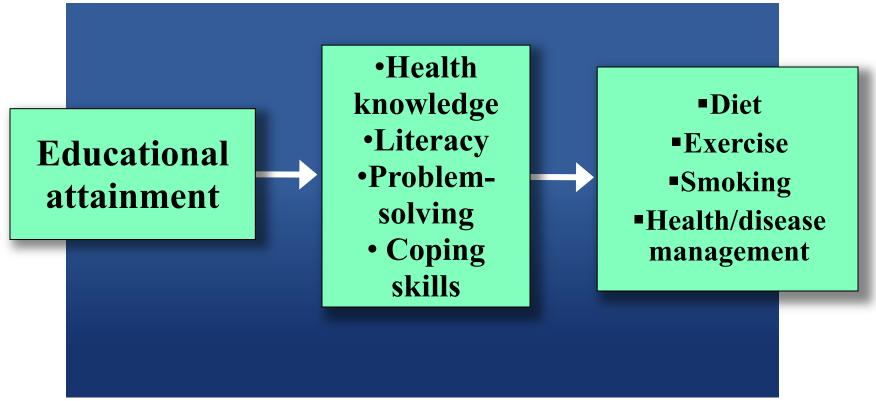








Education can shape health behaviors by determining knowledge and skills



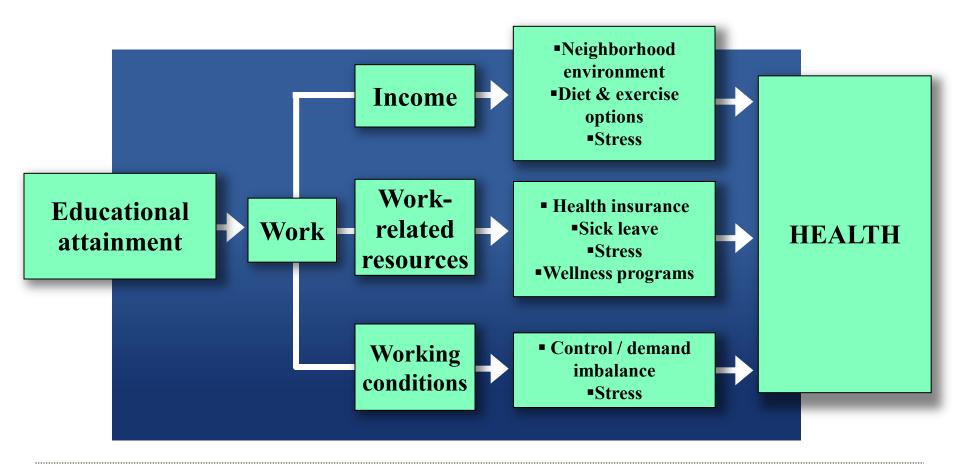








Education can shape health by determining work and income



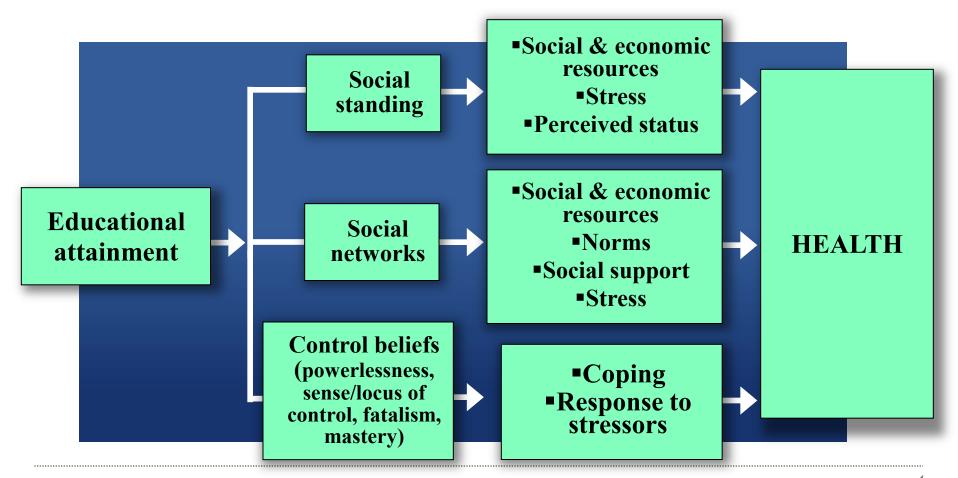








Education can shape health through psychosocial pathways



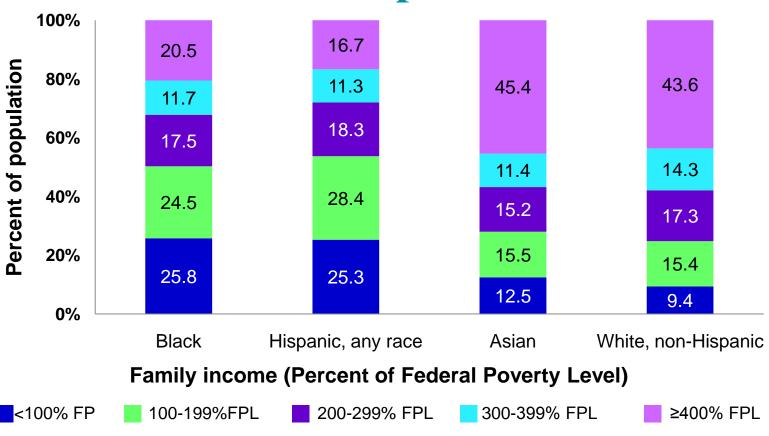








Racial/ethnic disparities in income



Source: Current Population Survey, 2010 Annual Social and Economic (ASEC) Supplement

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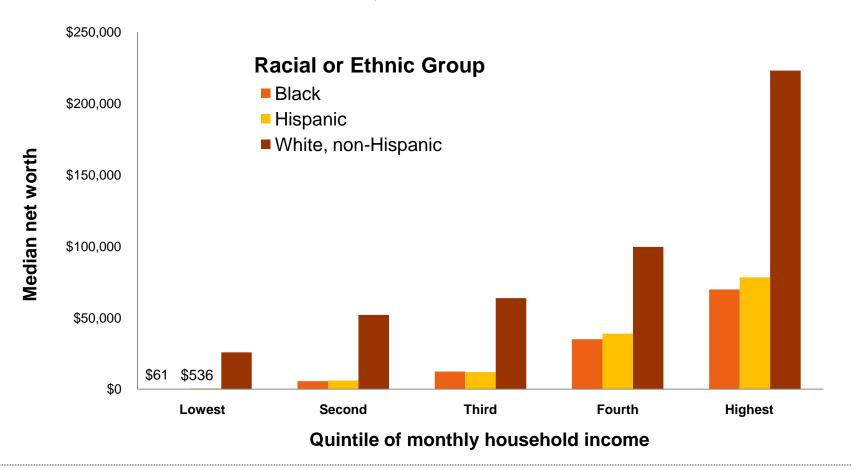








At each income level, whites have far more wealth



Median net worth (assets minus debts) 2000 Census.

Gottschalck AO. Net Worth & Assets of Households: 2002. U.S. Census Current Population Reports.

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SIPP. April 2008.

Robert Wood Johnson Foundation









Racial/ethnic disparities in childhood socioeconomic circumstances



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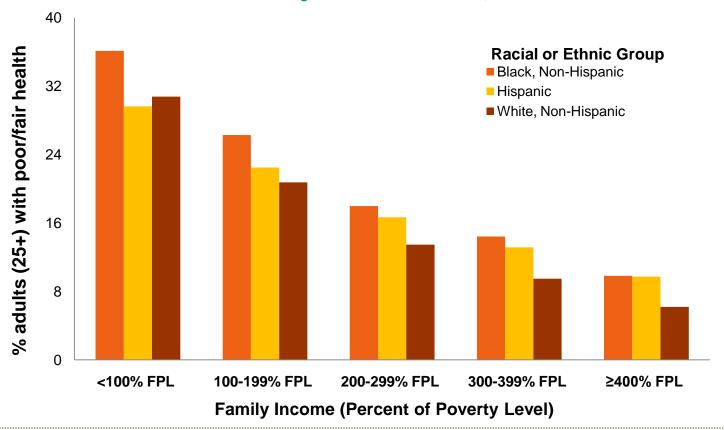








Both race/ethnic group and income matter for health. (Similar by education, not shown)



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Source: NHIS 2001-2005. Age-adjusted.







The legacy of legal discrimination: Socioeconomic disadvantage

Due to the legacy of discrimination, at a given income or educational level, African Americans on average:

- Live in unhealthier neighborhoods
- Have far less wealth and were worse off in childhood
- Experience more hardship with fewer resources to cope
- Studies rarely measure these factors, but often conclude a racial difference must be genetic because it persists after "control for SES"
- Race/ethnicity often captures unmeasured socioeconomic factors



And psychological effects of racial discrimination may harm health

- Structural racial discrimination exposes blacks and Latinos to worse living conditions and more stress related to economic hardship, even without conscious intent to discriminate.
- In addition, overt and subtle incidents are still pervasive and stressful.
- Internalized racism could harm health by undermining self-esteem and self-efficacy.
- Chronic concern about unfair perceptions or treatment based on race could be stressful, even without overt incidents.



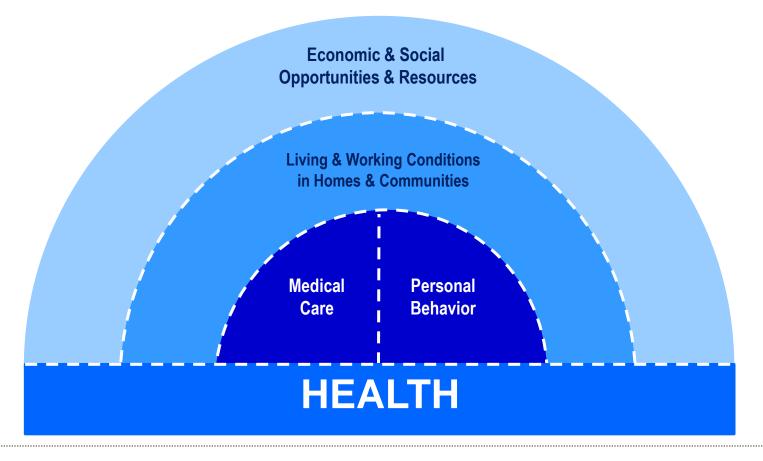








Looking Upstream: How income, education, and racial inequality shape health













Note: solutions and policies will be discussed during the second Q & A



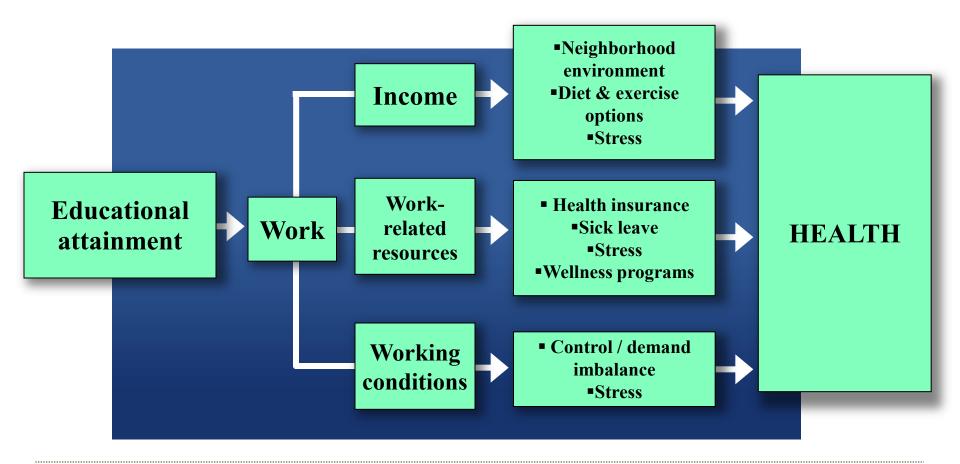








Education can shape health by determining work and income











The County Health Calculator

- Online simulation tool developed by the Virginia Commonwealth University Center on Human Needs
- Purpose: to explore how health is associated with education, income, and the living conditions to which they are linked
- Focus:
 - Education: percent of adults with some college education
 - <u>Income</u>: percent of individuals with a basic household income (greater than 200% of the poverty level)















Ohio: Delaware and Knox



New York: Bronx, Queens and Nassau















"I was able to get in one last lecture about diet and exercise."



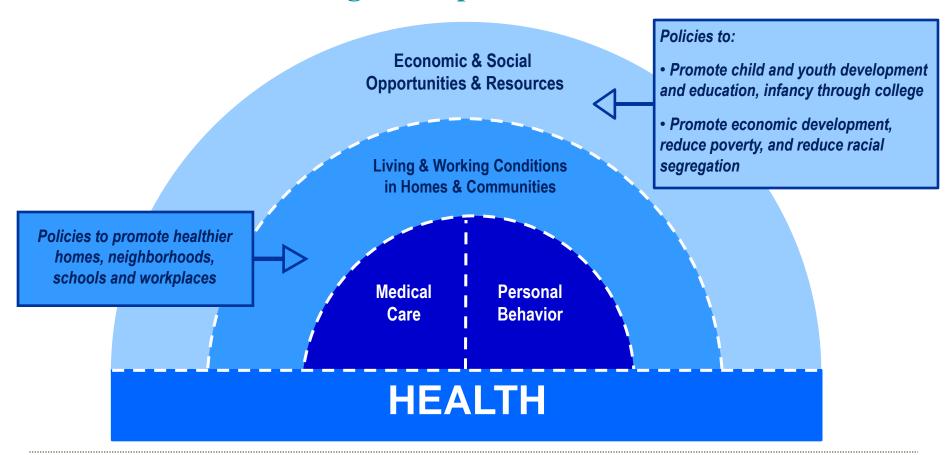








Finding solutions: Understanding the importance of social factors



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Final Questions & Answers

Upon exiting, you will be redirected to a web page where you can access the issue briefs discussed during today's webinar. A recording will also be available there soon.

Thank you!

Join the Twitter discussion: #HealthIsSocial

