A Lasting Impact on Health Outcomes

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The State of Ohio’s Health: 2019 Health Value Dashboard Release
April 12, 2019 Cincinnati, OH
Presentation Overview

- Setting the context
- Role of Policy
- Health Impact-5 years (HI-5) Initiative
  - Highlighting relevant opportunities
A Shocking Decline in American Life Expectancy
Because of the opioid epidemic, Americans have been dying younger for two years in a row.

OLGA KHAZAN  DEC 21, 2017
CULTURE OF HEALTH VISION

WE WILL STRIVE TOGETHER TO BUILD A CULTURE OF HEALTH ENABLING ALL IN OUR DIVERSE SOCIETY TO LEAD HEALTHIER LIVES, NOW AND FOR GENERATIONS TO COME.
Why does policy matter?

• It affects entire jurisdictions and, therefore, has broad reach
• It is long-lasting and self-sustaining with appropriate enforcement
• It may create inequities, so is essential to reverse them
• It can change norms, expectations, and cultural understandings of key societal issues
• It was critical to each of the 10 greatest public health achievements of the 20th century
HI-5
HEALTH IMPACT IN 5 YEARS
The “Buckets” of Prevention Framework

1. Traditional Clinical Prevention: Increase the use of evidence-based services
2. Innovative Clinical Prevention: Provide services outside the clinical setting
3. Total Population or Community-Wide Prevention: Implement interventions that reach whole populations

Credit: John Auerbach
Buckets 1 and 2
traditional clinical | innovative clinical

THE 6|18 INITIATIVE
Accelerating Evidence into Action

SIX WAYS TO SPEND SMARTER FOR HEALTHIER PEOPLE

- Reduce Tobacco Use
- Control Blood Pressure
- Prevent Healthcare-Associated Infections (HAI)
- Control Asthma
- Prevent Unintended Pregnancy
- Control and Prevent Diabetes
Bucket 3
community-wide prevention

– How do we improve population health in our states and communities?
– What is the best evidence of health *and* cost impact?
– What can we do that will begin to show results soon?
What is different about HI-5?

14 evidence-based community-wide population health interventions:

• Improve health of community (not clinical/patient-oriented)
• Demonstrate positive health impact in 5 yrs or less & cost effectiveness & savings over time
HI-5 Health Outcomes Addressed

- Anxiety and Depression
- Asthma
- Blood Pressure
- Bronchitis
- Cancer
- Cardiovascular Disease
- Child Abuse and Neglect
- Cognitive Development
- Infant Mortality
- Liver Cirrhosis
- Motor Vehicle Injuries
- Obesity
- Dental Caries
- Pneumonia
- Sexually Transmissible Infections
- Sexual Violence
- Teenage Pregnancy
- Traumatic Brain Injury
- Type II Diabetes
- Youth Violence
14 Evidence-Based, Community-Wide Interventions

**Address the Social Determinants of Health**
- Early Childhood Education
- Clean Diesel Bus Fleets
- Public Transportation System Introduction or Expansion
- Home Improvement Loans and Grants
- Earned Income Tax Credits
- Water Fluoridation

**Change the Context: Making Healthy Choice the Easy Choice**
- School-Based Programs to Increase Physical Activity
- School-Based Violence Prevention
- Safe Routes to School (SRTS)
- Motorcycle Injury Prevention
- Tobacco Control Interventions
- Access to Clean Syringes
- Pricing Strategies for Alcohol Products
- Multi-Component Worksite Obesity Prevention
HI-5: Collaboration between RWJF, CDC, and CDC Foundation

- Assess how three HI-5 strategies are being implemented:
  - Earned Income Tax Credit (EITC)
  - Early Childhood Education
  - Public Transportation Expansions

- Identify and fill gaps in research and technical assistance
Early childhood education – Impacts

**Educational impacts**
- Improved social, emotional, and cognitive development
- Improved academic achievement and reductions in disparities

**Social impacts**
- Increases in maternal employment and income
- Reductions in crime, welfare dependency, and child abuse and neglect
- Better jobs and higher earnings throughout employment years

**Health impacts**
- Long-term improvements in health with greater educational attainment
- Long-term savings in health care costs (along with savings in remedial education, dependency services)
- May improve weight status
- May increase diagnosis & treatment of hearing & vision problems
Early Childhood Education

Programs for children ages 3 and/or 4 years old, various settings

Include one or more component:

- literacy
- numeracy
- cognitive development
- socio-emotional development
- motor skills

Some programs may offer additional components

- recreation
- meals
- health care
- parental supports
- social services.
Earned Income Tax Credit (EITC)

A refundable tax credit for low-income workers

Average annual credit is $2400

- Larger credit amounts for households of color because of income and family structure

27 million households received credit for $65 billion in income support

- 70% with incomes below $25,000
- 50% white, 24% Hispanic, 19% black
- Top occupations: retail, food service, construction, transportation, office/administrative

Most recipients use EITC for 1 to 2 years at a time

- Most use the credit for necessities, past-due bills, debt, and asset building
EITC-health pathways

The Earned Income Tax Credit, Poverty, And Health, *Health Affairs Health Policy Brief, October 4, 2018.*
$1000 EITC increase associated with these impacts:

- 7.3 percentage point increase in employment
- 9.4 percentage point decrease in poverty
- 6% of standard deviation increase in math and reading scores
- 2.1 percentage point increase in high school graduation
- 1.4 percentage point increase in completion of one year of college
- More than $1000 increase in real value of child’s future earnings
Birth outcomes

• Consistent effects on birthweight and gestational age
  • $1000 increase in EITC → 6% decrease in low birthweight births (8% among black women)

• All EITC-health pathways are likely at play
  • Possible neighborhood level effects

• Generosity of credit matters
Twenty-Nine States and D.C. Have Enacted Earned Income Tax Credits (EITCs), 2018

*Refundable EITCs give working households the full value of the credit they earn even if it exceeds their income tax liability.

Source: CBPP analysis
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Health Policy Resources

- Evidence based policies and benefit-cost analyses http://www.wsipp.wa.gov/BenefitCost?topicId=2
- CityHealth https://www.debeaumont.org/CityHealth/
- The community guide https://www.thecommunityguide.org/
- What Works for Health http://www.countyhealthrankings.org/take-action-to-improve-health/what-works-for-health