

Childhood Obesity Intervention Cost Effectiveness Study

CHOICES Project: Leveraging Opportunities to Address Winnable Battles

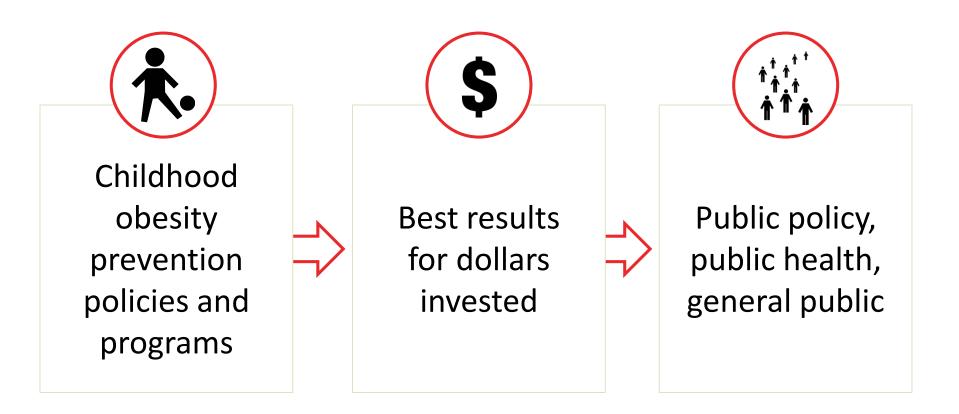
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June 21, 2016 Denver, Colorado



CHOICES- Why are we doing this?





Cost Effectiveness Analysis

Cost Effectiveness Analysis

compares the costs and outcomes of:



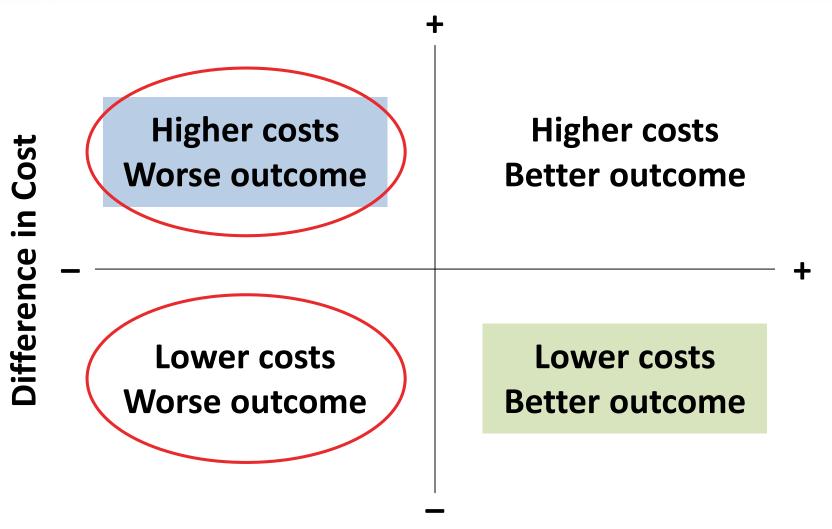
One policy or program intervention with no intervention





Two policy or program interventions

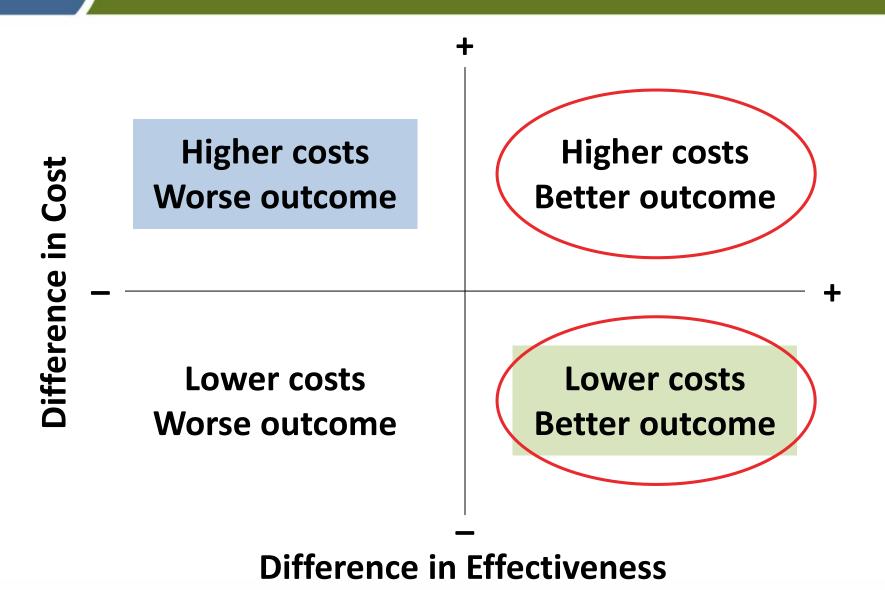
Costs & Outcomes



Difference in Effectiveness



Costs & Outcomes





How Can CHOICES Methods/Results Help You?

- Provide evidence for action
- Explain impact on population
- Uncover effective implementation strategies
- Guide resource investment
- Cultivate alliances and support

Opportunity to Partner w/CHOICES

CHOICES partnership work in year 2



States



Large cities

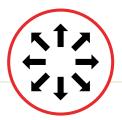


Large counties

Overview of CHOICES



CHOICES Model Outcomes



Reach

Who will benefit?



Effect

How much will they benefit?



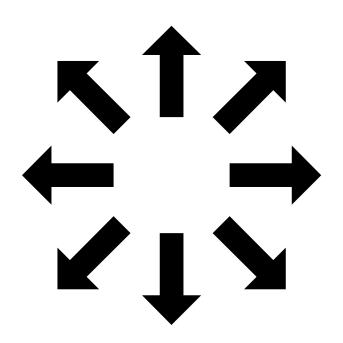
Cost

How much will a program/policy change cost and will healthcare savings be more than implementation costs?

Focus on obesity-related initiatives

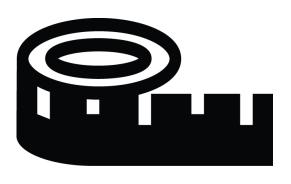


Who will benefit?



- Who?
- How many?
- Criteria to narrow description and number?

How much will they benefit?



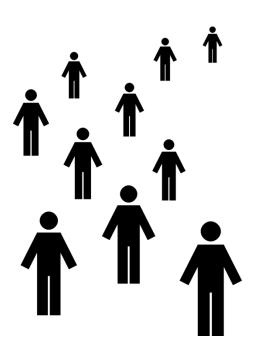
- How much will the intervention reduce BMI?
- Peer-reviewed articles/evidence

Cost to make change?



- Activities and resources to achieve effect
- All costs regardless of payer
- Value for all necessary resources
- Not intervention participants' time

Population - CHOICES Model

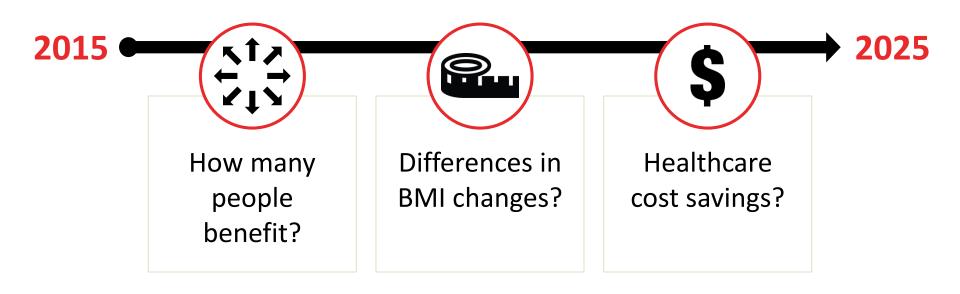


Virtual population = 1 million people

- Matches state population
- Accounts for personal characteristics like dietary intake, body growth, and behaviors like smoking

Ten-Year Trends - CHOICES Model

From 2015-2025, no intervention vs. intervention:



How the Model Works

BASELINE SCENARIO

Start: 2015

POPULATION

POPULATION FACTORS



Population Growth



BMI Trends

INDIVIDUAL FACTORS



Body Growth



Personal Characteristics (e.g. dietary intake)



Smoking

Simulate to: 2025

HEALTH STATUS



Obesity

OUTCOMES



Obesity



Healthcare Costs



Mortality



From 2010 U.S.

Census Data

How the Model Works

INTERVENTION SCENARIO

Start: 2015

VIRTUAL POPULATION



From 2010 U.S. Census Data

POPULATION FACTORS



Population Growth



BMI Trends

INDIVIDUAL FACTORS



Body Growth



Personal Characteristics (e.g. dietary intake)



Smoking

Dietary Intake/Physical Activity **HEALTH STATUS**



Obesity

Simulate to: 2025

OUTCOMES



Obesity



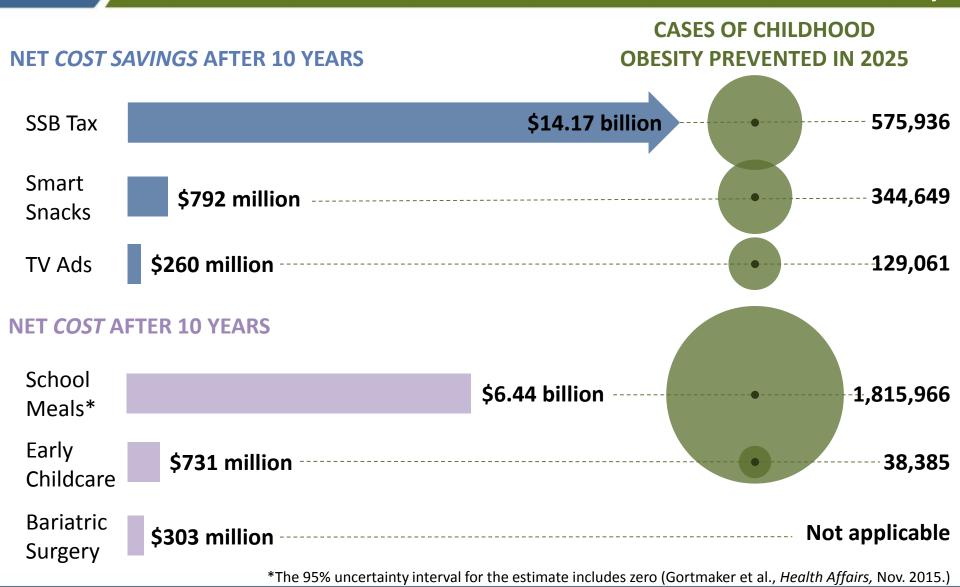
Healthcare Costs



Mortality



Interventions That Reduce Childhood Obesity





CHOICES State Partnership





- ASTHO connects states and other partner organizations to work with CHOICES team
- ASTHO advised on framework and logistics for the state learning community partnership

CHOICES State Partnership

Partner w/ state health agencies to:

- Identify and assess 2-3 interventions
- Apply state-specific implementation scenarios
- Communicate results to inform decision making



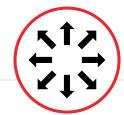
State Models



Input state-specific data for cost-effective analysis



State-specific intervention profiles



Who will benefit?



How much will they benefit?



How much does it cost to make a program change?

States Use of CHOICES Model



Washington

Example: Active Recess Program



Mississippi

Example: Early Care and Education
Screen Time Policy and Programs

More Info on Year 2 Partnerships

Application process:

- Application materials on http://choicesproject.org/work-with-us/
- FAQ webinar July 14th 12 pm EST
- Proposals due Aug 5th
- Awardees notified Aug 31st

Project year: Oct 1, 2016 - Sept 30, 2017

Includes financial assistance to health agencies to complete work

For additional information:

www.choicesproject.org, cgiles@hsph.harvard.edu

