# An Action Kit for Prevention: Prioritizing Cost-Effective and Equitable Healthy Eating and Physical Activity Strategies



CHOICES Community of Practice Coffee Chat

November 16, 2023

Welcome!

Please share your name, title, & organization in the chat.





### Disclaimer & Funding

- The CHOICES Project engages in research and education. The information presented in this discussion today is for educational purposes only and does not necessarily represent the position of any CHOICES Project funders.
- This event is intended to provide information, tools, and resources to inform and educate the audience, and is not an attempt to influence any specific legislation.

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The CHOICES Community of Practice includes people whose work focuses on advancing obesity prevention, healthy eating, and active living and want to learn more about how cost-effectiveness analysis can advance their efforts and address health equity.





#### An Action Kit for Prevention: Prioritizing Cost-Effective and Equitable Healthy Eating and Physical Activity Strategies



#### Steve Gortmaker, PhD

Professor of the Practice of Health Sociology
Director, Prevention Research Center on Nutrition and Physical Activity
Department of Social and Behavioral Sciences
Harvard T.H. Chan School of Public Health



## What is CHOICES Doing?



Policies and programs improving nutrition and physical activity

environments



Best results for dollars invested



We want to improve population health and health

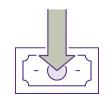
#### **CHOICES Outcome Metrics**

 CHOICES generates a variety of metrics to describe the reach, health impact, cost, and impact on health equity of intervention strategies.



#### Reach

Number of people who directly benefit



#### **Cost-effectiveness ratios**

Healthcare costs saved per \$1 invested Cost per QALY gained



#### **Effect**

Change in behavior (e.g., increase in PA minutes)
Number of QALYS gained or obesity cases prevented



#### **Health Equity Impact**

Impact on obesity-related health equity



## Four Key Settings

School

Early Care and Education & Out-of-School Time

Communities & Government

Clinical

#### What Has CHOICES Found?

- Strategies across sectors improve population health
- Some strategies are cost-saving
- Include adults for shorter-term health care cost savings
- Many strategies reaching only children require investment
- Some strategies are projected to both improve overall population health and improve health equity

# CHOICES National Action Kit 2.0

# CHOICES National Action Kit 2.0

- Relaunch of the tool, originally released in 2019
- Projections on the national population reach, health impact, and costeffectiveness of strategies to improve child health across four settings
- New detailed cost information and data on the impacts on health equity

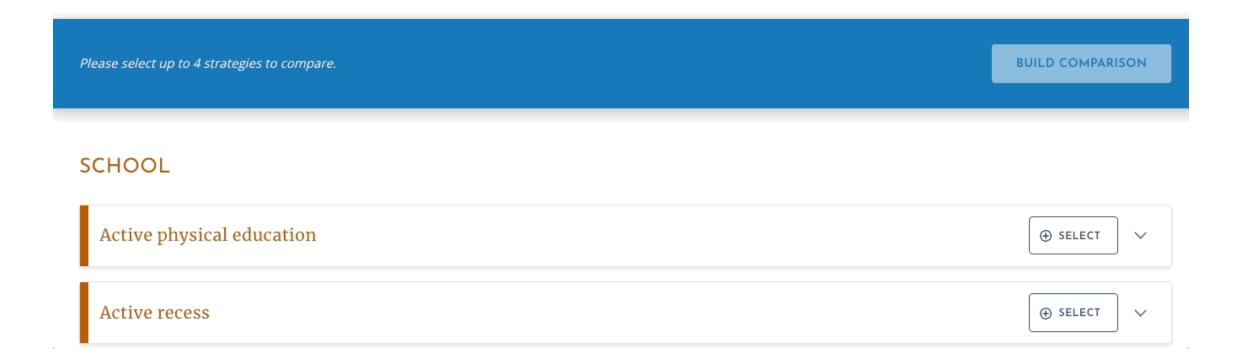
#### CHOICES NATIONAL implementation costs, health care cost savings, and health equity (when relevant data ACTION KIT 2.0 SCHOOL ctive physical education ® SELECT ⊕ SELECT Active recess ⊕ SELECT EARLY CARE AND EDUCATION & OUT-OF-SCHOOL TIME ⊕ SELECT ⊕ SELECT ⊕ SELECT ® SELECT COMMUNITIES & GOVERNMENT ⊕ SELECT ing in WIC visits to reduce TV viewing ⊕ SELECT ⊕ SELECT ugary drink excise tax STRATEGY REPORT ⊕ SELECT CLINICAL ectronic decision support for pediatric medical

⊕ SELECT

# Build a comparison of up to four strategies

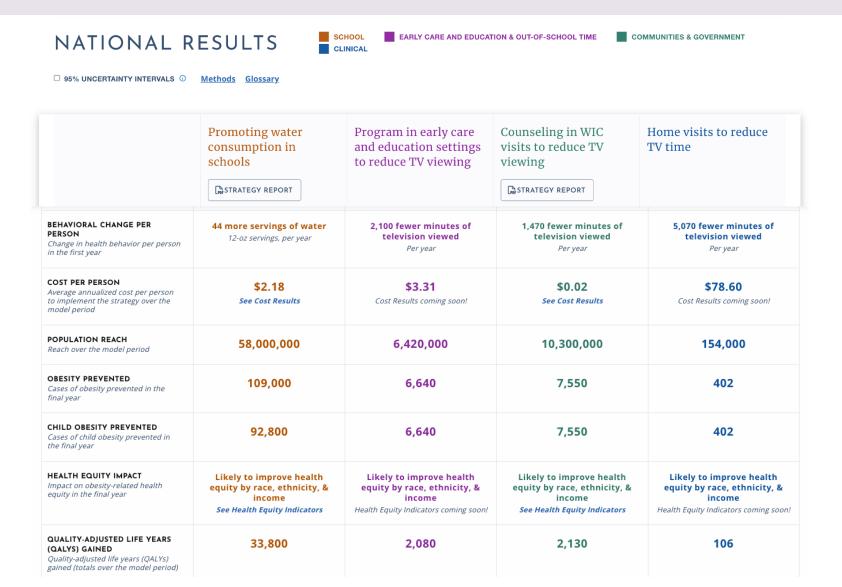
# CHOICES NATIONAL ACTION KIT 2.0

The <u>CHOICES team</u> has projected the national population reach, impact on health, implementation costs, health care cost savings, and health equity (when relevant data are available) for effective policies and programs that can be used in schools, early care and education and out-of-school settings, communities, and clinics. The kit allows you to compare up to four strategies at a time to help inform your organization's decision-making around promoting healthy weight. *Explore our <u>user guide</u> for more information and <u>contact us</u> with any questions.* 



#### **Comparison table**

■ Generates a variety of metrics to describe the reach, health impact, cost, and impact on equity of strategies →



#### **Strategy Reports**

# Downloadable PDF for each strategy that includes:

- Strategy profile
- National results
- Cost results
- Health equity indicators
- Strategy details & modeling methods
- Modeled outcomes glossary
- References

#### CHOICES NATIONAL ACTION KIT:



#### **Sugary Drink Excise Tax Strategy Report**

This strategy report describes the projected national population reach, impact on health and health equity, implementation costs, and health care cost savings for an effective strategy to improve child health. This information can help inform decision-making around promoting healthy weight. To explore and compare additional strategies, visit the CHOICES National Action Kit at <a href="https://www.choicesproject.org/actionkit">www.choicesproject.org/actionkit</a>



#### TABLE OF CONTENTS

Page 2 Strategy Profile | Describes the estimated benefits, activities, resources, and leadership needed to implement the strategy.

Page 4 National Results | Displays the projected national population reach, impact on health, implementation costs, and health care cost savings of the strategy.

Page 5 Cost Results | Describes the estimated costs by activity and payer needed to implement the strategy

Page 7 Health Equity Indicators | Describes the projected impact of implementing the strategy nationally on select health equity indicators related to excess weight.

Page 9 Strategy Details & Modeling Methods | Describes the reach, effect, and cost assumptions used to make national projections for the strategy, and provides links to additional resources related to the strategy.

<u>Page 11</u> CHOICES National Action Kit: Modeled Outcomes Glossary | Provides definitions for each modeled output displayed in the National Results table.

Page 12 References

# **Application Use Cases**

# How Can Cost-Effectiveness Analysis Inform Planning and Prioritization?

- Identify cost-effective & efficient implementation strategies
- Explain the impact on the population
- Provide evidence for action
- Guide resource investment
- Cultivate alliances & support
- Integrate health equity considerations







### Identify cost-effective & efficient strategies

- Compare impact metrics (e.g., "QALYs gained", "Obesity Prevented") to see which might have the biggest impact
- Compare "Health Care Costs Saved per \$1 Invested" to see which might be cost-saving.
- Compare "Intervention Cost per Person" to see which might be the least expensive to implement per person in your area

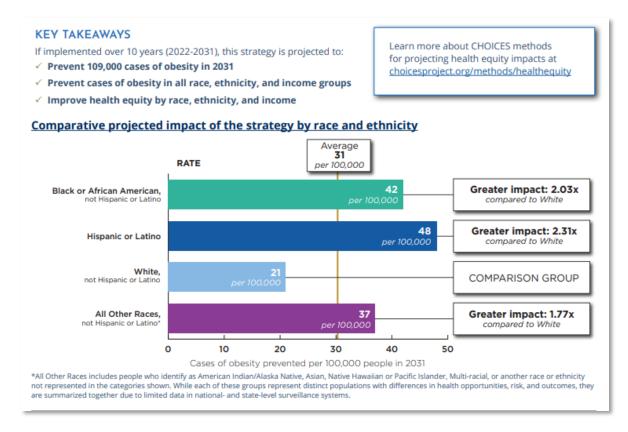
#### **Guiding resource investment**

- Cost results
  - Outlines the activities and resources needed to implement
  - Assigns payers
- What is the likely implementation of the strategy?
- What activities and resources are needed to implement the strategy, and who will benefit?

Average Annual Strategy Implementation Cost by Activity and Payer*				
Activity	Resources	Cost per Person†	Payer	Percent of Total Cost
Purchase and install chilled water dispensers	Staffing resources necessary for installing water dispensers     Costs associated with purchasing water dispensers	\$0.35	School district	16%
Deliver training to school food service directors in cleaning and maintaining the chilled water dispensers	Time to develop online training and materials Time for food service directors to access and attend online training	\$0.002	Federal government; School district	<196
Maintain and clean water dispensers	Time for food service staff to clean water dispensers Cost of water dispenser filter replacement Time for food service staff to replace filters	\$1.14	School	52%

#### Integrating health equity considerations

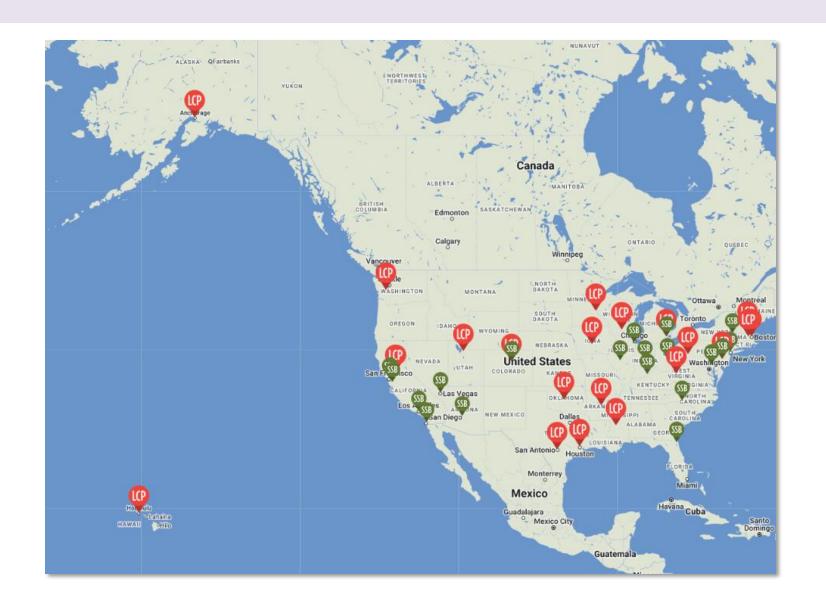
- Evaluate impact on health equity by race/ethnicity and/or income levels, if data available
- Who is this strategy expected to reach?
- What is the known effectiveness of the strategy?
- What variations do you see in social, demographic, and other weight-related risks?



See Strategy Report: Equity Results for more information

# Questions?

### **CHOICES Map of State & Local Efforts**



# THANK

YOU

Join our next coffee chat on Thursday, January 25<sup>th</sup> at 1:00pm ET



#### **CONTACT US**

For more information contact <a href="mailto:choicesproject@hsph.harvard.edu">choicesproject@hsph.harvard.edu</a>

Register to join at <a href="https://chaicesproject.org/comm-of-practice">choicesproject.org/comm-of-practice</a>



