

# Health + Energy Program Design Network

## Session 1: Providing Health Services as Part of Residential Energy Saving Programs

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**Thursday, February 25, 2021 @ 3pm Eastern**



American Council for an Energy-Efficient Economy



The American Council for an Energy-Efficient Economy is a nonprofit 501(c)(3) founded in 1980. We act as a catalyst to advance energy efficiency policies, programs, technologies, investments, & behaviors.

Our research explores economic impacts, financing options, behavior changes, program design, and utility planning, as well as US national, state, & local policy.

Our work is made possible by foundation funding, contracts, government grants, and conference revenue.

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American Council for an Energy-Efficient Economy

# Agenda

- Welcome and Introduction
  - Goals
  - Workbooks
- Presentation: Providing Health Services as Part of Residential Energy Programs
- Small Group Work
- Regroup for Resource Share-out and Polling
- Open Chat and Tech Support

# Benefits for Network Participants

- Understand opportunities to incorporate health into residential energy efficiency programs
- Develop a plan and take concrete steps toward your program's goals at this nexus
- Become part of a network with whom you can brainstorm, build relationships, and troubleshoot common challenges

# ACEEE's Role

- We are a research team. NOT program implementers.
- We have been learning, listening and facilitating conversations in this space for several years to identify:
  - What challenges programs face at this nexus
  - Innovative approaches
  - Common practices
  - Case studies
  - Program impacts
- What this network will provide to participants
  - 5 live sessions – services, funding, partnering, measuring impacts, and 'programs in the wild'
  - Guidance documents on topics of key interest
  - An online forum
  - As-needed 'deep-dive' sessions based on your feedback
  - Facilitated planning to develop customized plans that suit your program
  - A network of peers – opportunities to connect both topically and with regional focus

# The survey that you took shaped our focus

- We received 251 responses to the introductory survey.
- About 70% came from people who currently run or are preparing to launch programs related to energy services
  - The remaining 30% of the group includes advocates and interested parties in the health and EE space
- We have participants representing 33 states, every region of the continental US, plus additional US territories, as well as national or multi-state programs and a few international responses.
  - Shoutout to Michigan, California, New York, Virginia, and Illinois for particularly large numbers of respondents!

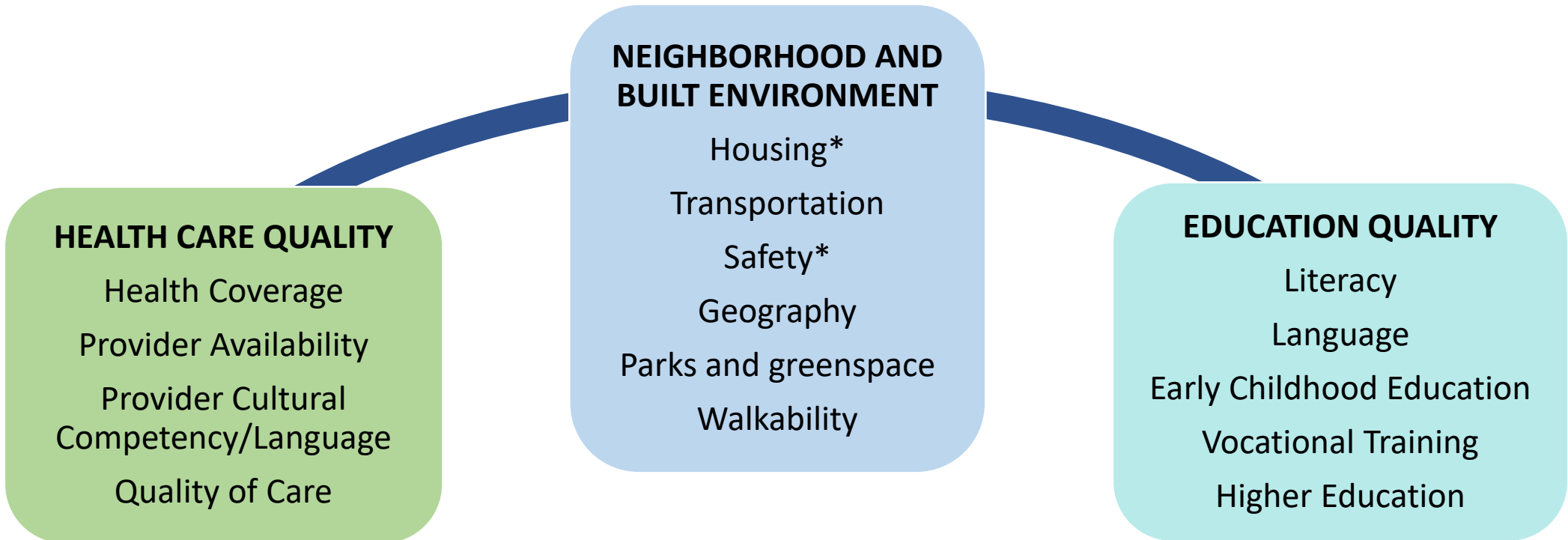
# Network Goals and Priorities (Live Zoom Poll)

# Workbooks

- Online documents for helping structure thinking
- A link to the first workbook has been dropped into the chat, please open it now (there's a space you can use to take notes)
- To save your work, **enter your email address and Submit**
- This will send an email to you (and ACEEE) with your responses, along with a link enabling you to edit them
- We'll use these books during today's breakout session. For now, please stay on the first page and take notes, if you'd like.



# Session 1: Providing Health Services as Part of Residential Energy Programs



**HEALTH CARE QUALITY**

- Health Coverage
- Provider Availability
- Provider Cultural Competency/Language
- Quality of Care

**NEIGHBORHOOD AND BUILT ENVIRONMENT**

- Housing\*
- Transportation
- Safety\*
- Geography
- Parks and greenspace
- Walkability

**EDUCATION QUALITY**

- Literacy
- Language
- Early Childhood Education
- Vocational Training
- Higher Education

**Social Determinants of Health**

**COMMUNITY AND SOCIAL CONTEXT**

- Stress\*
- Social Integration
- Support Systems
- Community Engagement\*

**ECONOMIC STABILITY**

- Employment
- Income
- Expenses/Cost of Living\*
- Debt
- Medical Bills\*

# Why Should My Home Energy Program Offer Health Services?

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- **Increase program funding:** meet needs to qualify for new sources of funding aimed at preventive public health care
- **Reduce the number of households that are turned away from the program (i.e., deferred):** Pre-existing health and safety issues can lead to deferrals of other program services .
- **Achieve more equitable outcomes:** By improving living conditions in historically underinvested and overburdened communities, we can begin to mitigate the inequitable underlying causes of death and disease.

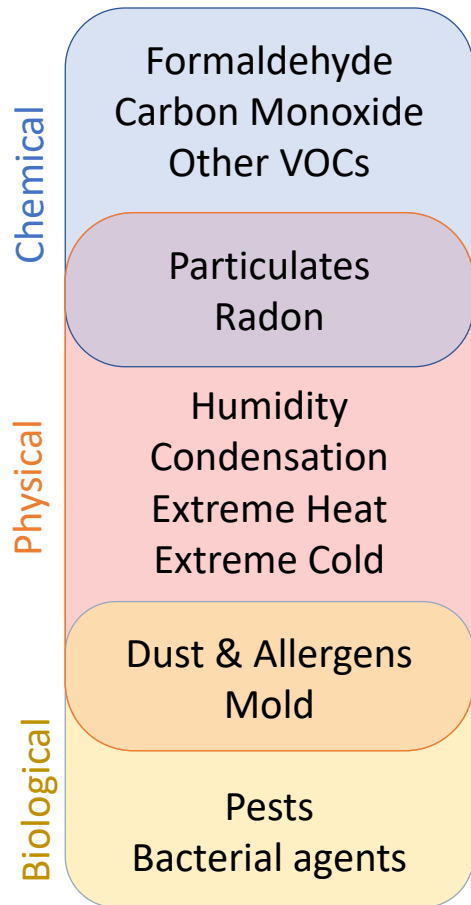
# Why Should My Home Energy Program Offer Health Services?

- **Expand program reach:** People may be motivated to participate in programs that offer improvements to health, comfort, or safety.
- **Better serve the public:** Maximizing the benefits that accrue to customers and reducing the risk of harms is a public good, and benefits customers individually.
- **Poll:** What does, or would, motivate you to add health services to your program?

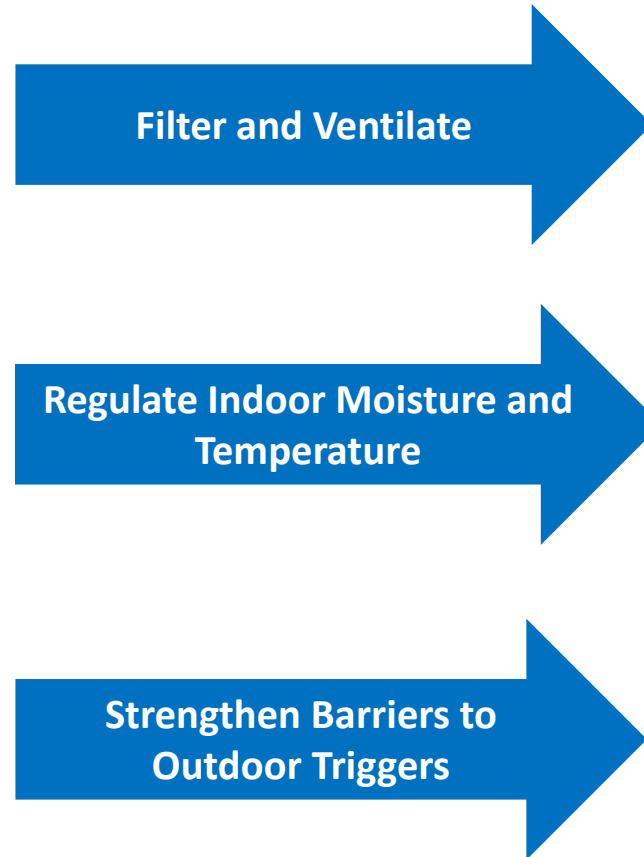
# What Health Services Might Our Program Offer?

# EE Health Benefits for Building Occupants

Common health stressors in homes include...



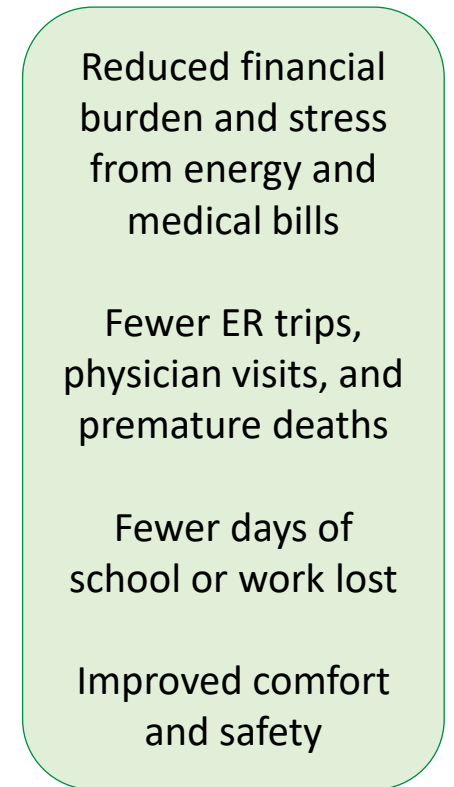
Weatherization measures help to...



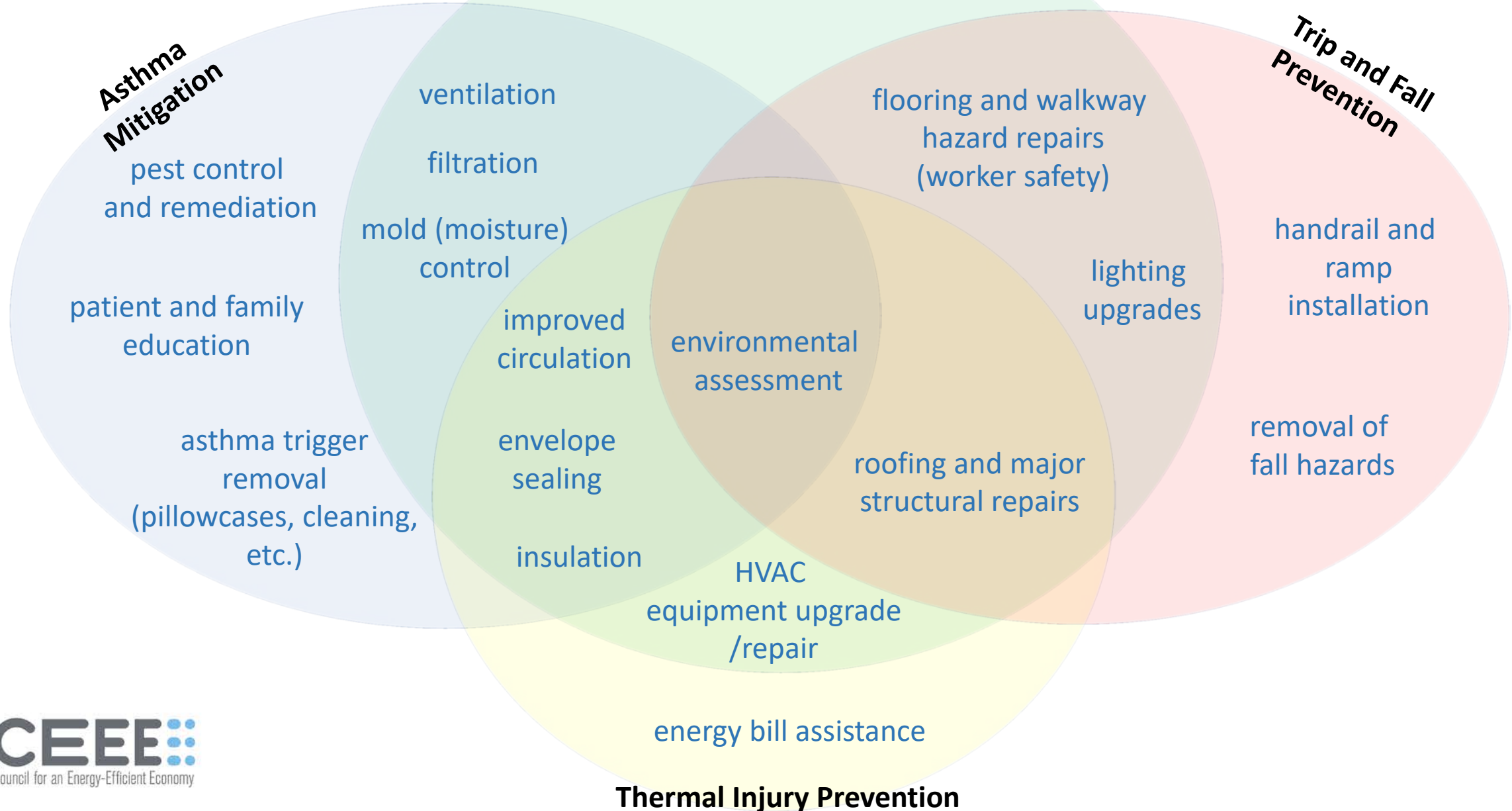
This reduces or prevents health issues like...



And leads to...



# Weatherization and Energy Efficiency Measures





# Categories of In-Home Health Services

Protection  
from Outdoor  
Environment/  
Elements

Building and  
Electrical Code  
Compliance

Ventilation and  
Filtration of Indoor  
Air and Pollutants

Toxic Hazard  
Remediation

Technology and  
Safety Feature  
Installation

Other Technology  
Maintenance,  
Repair, and  
Replacement

Education

# POP QUIZ!

## Conceptualizing Health Services

What are 3 services a program could provide to help prevent injuries in the home?

# Injury Prevention Service Examples (NY HHVBPP)

- Anti-scalding devices for sinks
- Shower seat with feet grips and backrests
- Threshold lowering/repair
- Nightlights with motion sensors
- Toilet and tub safety grab bar installation
- Toilet safety frame/rail
- Tip resistant furniture anchors
- Handrail – interior or exterior – repair/installation
- Grip strips for stairs or bathtubs
- Walkway repair
- Exterior motion sensor double bulb lights
- Handheld shower head installation
- Repair damaged floors or carpets that present a trip or fall hazard on floors or stairs
- Porch repair
- Cabinet locks
- Electrical outlet plugs and hazard mitigation
- Child safety gates
- Bump guards for tables
- Tune up or install range stove
- Window replacement
- Smoke alarms with 10-year lithium battery
- Carbon monoxide alarms with 10-year lithium battery
- Gas leak detection

# POP QUIZ!

## Conceptualizing Health Services

What are 3 services a program could provide to help reduce asthma triggers in the home?

# Asthma Mitigation Service Examples (NYHHVBPP)

- Integrated pest management
- Whole house fan/ventilation system
- Kitchen exhaust fan – repair or install
- Bathroom exhaust fan – repair or install
- Dryer venting
- Carpet removal or removal of moldy wet flooring; installation of replacement flooring
- Replacement of forced-air furnace filters and provision of additional filters
- Mold remediation
- Duct cleaning and sealing
- Window air conditioner and installation
- Humidifier or dehumidifier (with built-in pump) and installation
- Dirt floor vapor barrier
- Roof repair
- Gutter/downspouts system replacement
- Cleaning of gutters
- Plumbing repair – water line repair and faucet
- Basement waterproofing
- Repairs to condensate drain and steam system
- Carpet steam cleaning

# How Should We Decide Which Services to Offer?

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## Identify Program Goals

Identifying program goals for adding health services will help you prioritize opportunities.

Some goals that program administrators commonly identify include:

- procuring new sources of funding
- increasing participation
- reducing deferrals

# How Should We Decide Which Services to Offer?

## **Assess Opportunities and Limitations**

Here we will focus on 3 broad categories of opportunity:

- Reducing deferral rates
- Attract health-sector support or future funding
- Increasing participation by incorporating desirable health services



# Breakout Instructions

- (5 min) Quickly read through all of the questions on Page 2 of the Workbook, and jot down any answers you know. Make note of the questions you think might be the hardest to answer on your own.
- (10 min) Discuss strategies for answering these questions with your breakout group. How might you find the information you are missing? Focus first on strategies for identifying the community organizations or resources that might have the information you need.
- (5 min) Action Planning! Work through the questions on Page 3. Note the action checklist at the bottom of the document. **DON'T FORGET TO HIT SUBMIT BUTTON TO SAVE YOUR WORK!**

# Welcome Back!

(Did you save your workbook by pressing  
“Submit” on the last page of the document?)

# Continue your brainstorming and networking on the Google Groups forums

- This is a space to:
  - introduce yourselves
  - connect with others in your region
  - discuss questions related to the sessions and workbook prompts
  - other activities and resources as the training sequence progresses
- Link has been dropped in the chat, and will be emailed out
- You can control whether you see email digests from these forums

# Calendar of Upcoming Monthly Sessions

Date	Session Theme
<b>Thurs. Mar. 25</b> <b>3PM ET</b>	Pursue health-related funding to support your program
<b>Thurs. Apr. 29</b> <b>3PM ET</b>	Document and communicate health impacts of your program
<b>Fri. May 28</b> <b>3PM ET</b>	Build relationships that expand services and funding for your program
<b>Thurs. Jun. 24</b> <b>3PM ET</b>	'Show-Off and Tell': Peer sharing of program design successes

Dates and times of deep-dive topical sessions will be announced by email as soon as they are scheduled.

# Deep-Dive Sessions

- As we move through our pre-scheduled monthly training sessions, we will offer targeted supplementary sessions on specific topics of interest to the group, to be added as needed
- We'll take feedback from polling, as well as the comment space in the workbook or an email suggestions we receive, and schedule some sessions in line with the group's interests

# Poll Question: Topics of Interest

Are there particular topics that you would like to hear more about at a future deep-dive session?

- Please type your answers into the chat window!
- If you'd rather send this feedback directly, feel free to send it as a private message to the organizers, or to email [cgerbode@aceee.org](mailto:cgerbode@aceee.org).

A link to Session 1 resources has been pasted in the chat and will be emailed out to you.

Please introduce yourself on the Google Group!

Feel free to send questions, comments, or feedback to Christine at [cgerbode@aceee.org](mailto:cgerbode@aceee.org).

