



Green & Healthy Homes Initiative®

National Initiative for Asthma Reimbursement

Achieving Reimbursement for Environmental Health Services

August 15th, 2019

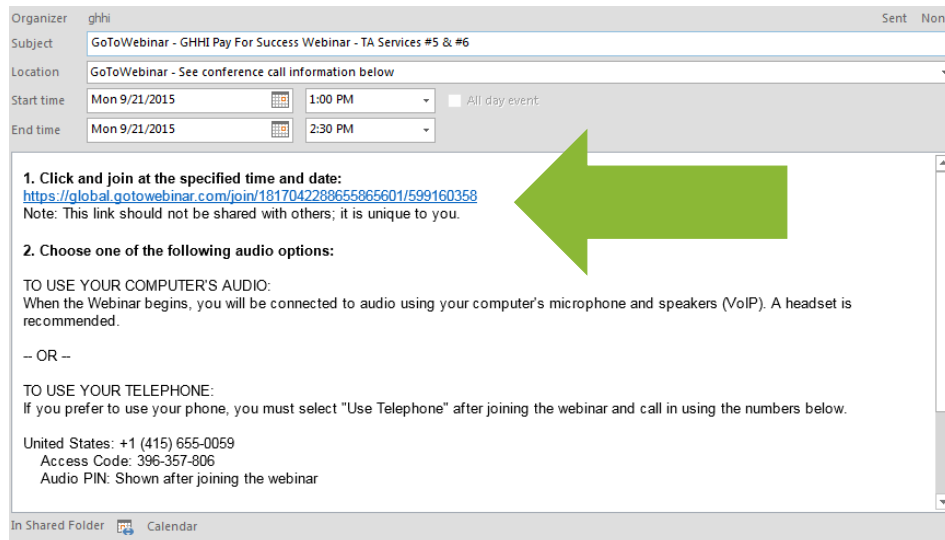
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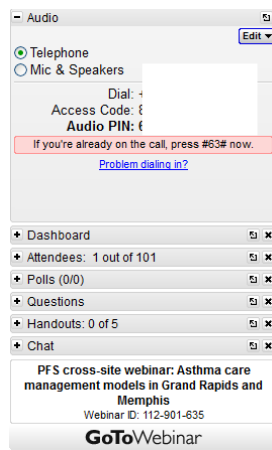
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+ Dashboard

+ Attendees: 1 out of 101

+ Polls (0/0)

+ Questions

+ Handouts: 0 of 5

+ Chat

PFS cross-site webinar: Asthma care management models in Grand Rapids and Memphis
 Webinar ID: 112-901-635

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- Introductions
- Overview of Green & Healthy Homes Initiative
- Overview of EPA Indoor Environments Division
- Overview of the National Initiative for Asthma Reimbursement
- Overview of Business Development Technical Assistance Services
 - San Antonio Metro Health District
 - Contra Costa County
- Overview of Reimbursement Support Technical Assistance Services
 - UPMC Health Plan
 - John R. Oishei Children's Hospital
- Q&A

Welcome from Executive Sponsors



Ruth Ann Norton
President & CEO
Green & Healthy Homes Initiative



Tracey Mitchell, RRT, AE-C
Environmental Protection Specialist
Environmental Protection Agency



Green & Healthy Homes Initiative®

Overview of GHHI

The GHHI National Initiative for Asthma Reimbursement Team



Brendan Brown
Director of Evaluation & Impact



Michael McKnight
VP, Policy & Innovation



Kevin Chan
Social Innovation Specialist



Adam Halper
Social Innovation Specialist

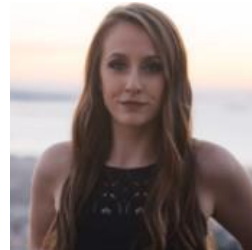


Kiersten Sweeney
Social Innovation Specialist



Will Klein
Social Innovation Specialist

Annie Summers
Data Manager



Elsie Andreyev
Environmental Health Intern

GHHI has a long history of working towards healthy housing for all.



Robert Wood Johnson Foundation



Green & Healthy Homes Initiative®



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2017-20 EPA-supported Technical Assistance
Providing technical assistance to support comprehensive asthma interventions
- 

2016 National Lead Summit
Launched concept paper on addressing lead-poisoning through Social Impact Bond
- 

2016 Robert Wood Johnson Foundation
Award expands Pay for Success portfolio to 11 asthma projects including state governments
- 

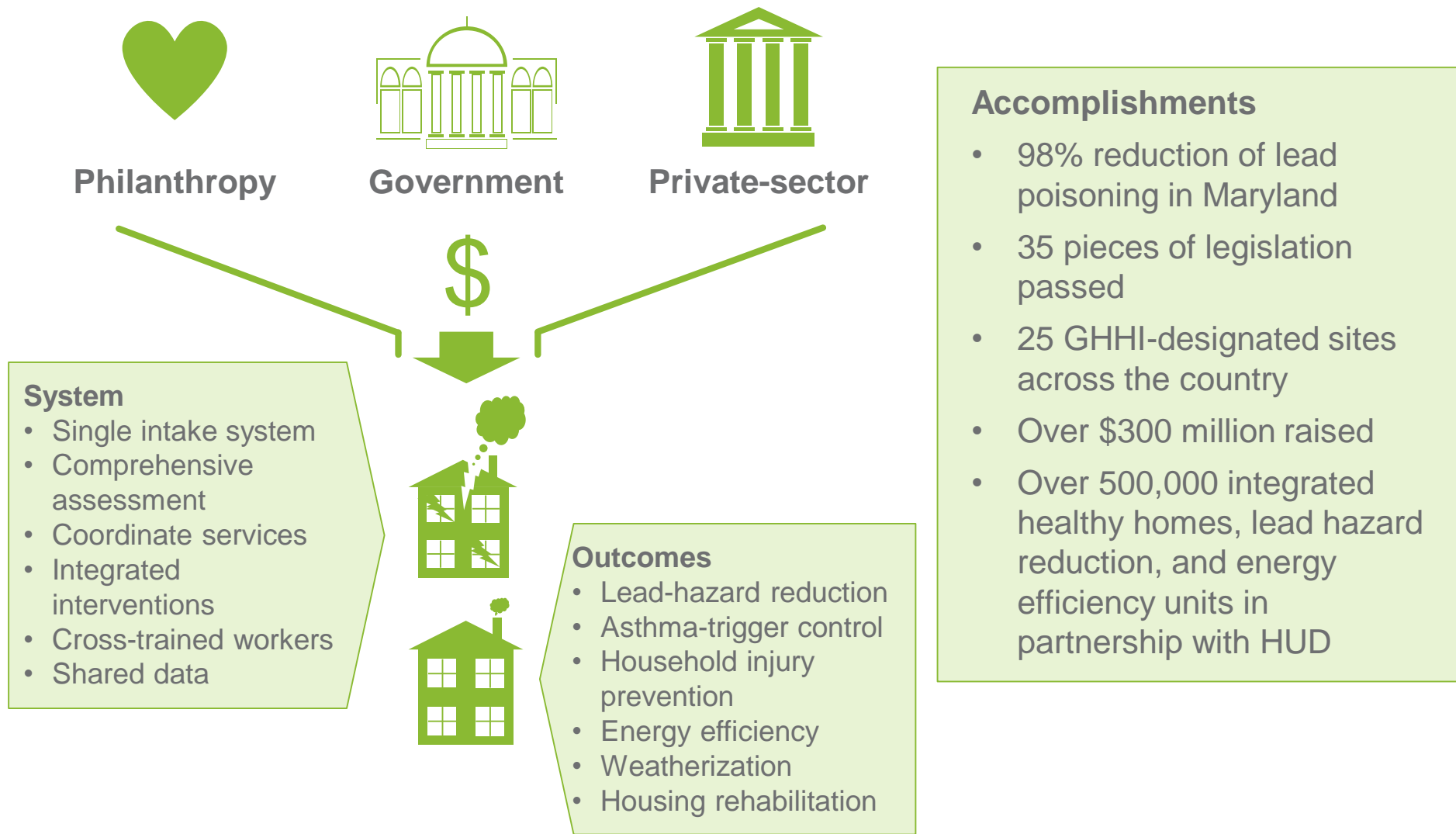
2015 Social Innovation Fund Award
Award expands to 6 national sites to advance asthma Pay for Success across private business models
- 

2015 EPA Asthma Award
Proud recipient of EPA's National Environmental Award in Asthma Management
- 

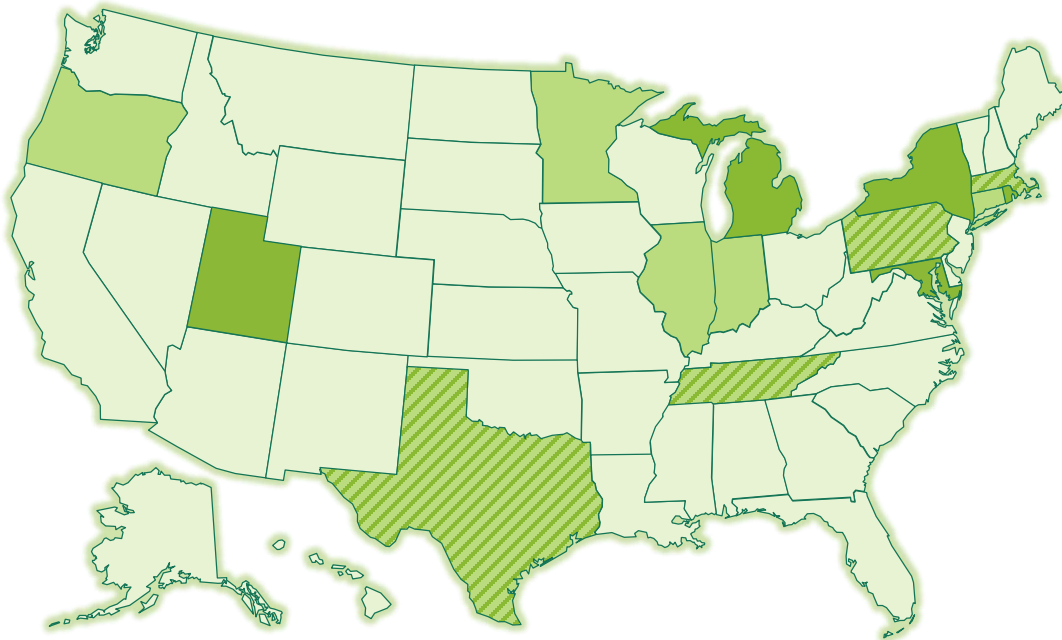
2009 Becomes GHHI
Expand scope and scale to break the link between unhealthy homes and unhealthy families nationally
- 

1986 Founded
Parents Against Lead became the Coalition to End Childhood Lead Poisoning

Breaking the link between unhealthy homes and unhealthy families to improve health, economic, and social outcomes.



20 projects working to develop health care financing to support healthy homes



Feasibility Ongoing

- Chattanooga – Erlanger Children’s Hospital
- Philadelphia – St. Christopher’s Hospital
- Worcester - UMass Memorial Hospital
- Oregon - Community Services Consortium
- Indiana - Indiana Joint Asthma Coalition
- Chicago - Presence Health
- Houston - Community Health Choice
- Minneapolis – Minnesota Multifamily Affordable Housing Energy Network
- CT - Connecticut Green Bank and DSS / State Medicaid

Post-Feasibility Development

- Baltimore – Priority Partners MCO
- Buffalo - YourCare Health Plan and Millenium
- Grand Rapids – Priority Health
- Houston - UnitedHealthcare
- Memphis - Le Bonheur Children’s Hospital
- New York City - Affinity Health Plan
- New York State Energy Research and Development Authority
- Philadelphia - Health Partners Plans
- Rhode Island - State Medicaid and Integra
- Salt Lake County – University of Utah Health Plans
- Springfield - Baystate Health and BeHealthy Partnership ACO

Funders





EPA'S ASTHMA PROGRAM

Protecting Public Health and the Environment through Health Care Collaboration and Reimbursement of Preventive Asthma Control Strategies

Tracey Mitchell, RRT, AE-C
mitchell.tracey@epa.gov

U.S. Environmental Protection Agency
Indoor Environments Division

Agency Mechanisms

- Regulatory Measures
- Research
- Guidance Development
- Outreach & Education
- Partnerships; Leveraging systems

IED Asthma Program Aim

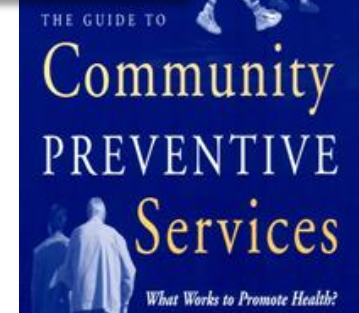
Get environmental controls into all elements of asthma management.

- Health care
- Housing
- Schools
- Community Systems, with a special focus on EJ



Environment Plays a Critical Role in Asthma Control

- Federal asthma guidelines recognize environmental trigger reduction as a critical component of comprehensive asthma care.*
- The evidence base demonstrates that in-home environmental interventions are effective at improving asthma control in children and adolescents.†



EFFECTIVE IN-HOME ENVIRONMENTAL INTERVENTIONS

Home-Based

- Includes at least one home visit by trained personnel to improve the home environment
- Examples: community health workers, clinicians, health care providers

Multi-Component

- Includes at least two components, including at least one environmental component
- Activities may include asthma-related education, self-management training, environmental assessment and remediation, social services, coordinated care

Multi-Trigger

- Targets two or more potential asthma triggers, including mice, cockroaches, dust mites, excess moisture and mold, household pets, tobacco smoke

* NHLBI. Guidelines for the Diagnosis and Management of Asthma (EPR-3). 2007. <https://www.nhlbi.nih.gov/health-pro/guidelines/current/asthma-guidelines>

† CDC. The Guide to Community Preventive Services. 2005. <https://www.thecommunityguide.org/>

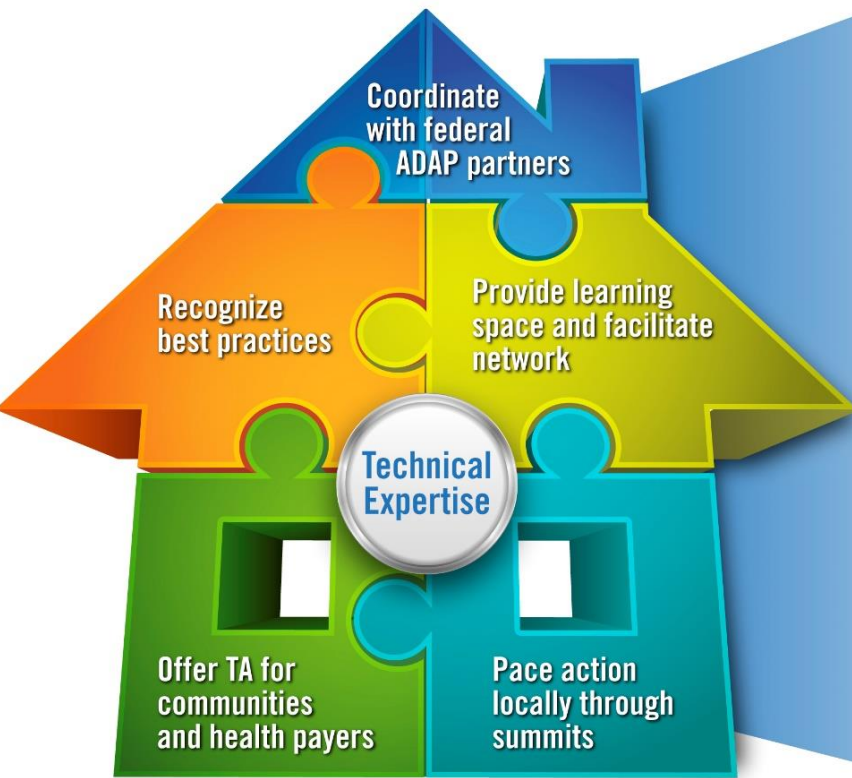
Evolution of IED's Asthma Program



EPA Supports High Value, In-Home Environmental Interventions



Meeting Communities Where They Are



**SYNTHESIZE
AND SPREAD
LEARNING**





Green & Healthy Homes Initiative®

Overview of the National Initiative for Asthma Reimbursement

The National Initiative for Asthma Reimbursement has three main goals, which we will work toward simultaneously.

1

Increase the number of home visiting programs providing comprehensive asthma (including environmental remediation of asthma triggers) interventions.

2

Increase the number of health plans serving Medicaid populations and/or state Medicaid programs that reimburse for these comprehensive services.

3

Increase the use of standardized environmental management & health outcomes metrics for evaluation (EMHOME).

The National Initiative for Asthma Reimbursement seeks to advance evidence-based comprehensive interventions through three support services.

1 Business development technical assistance

2 Reimbursement technical assistance

3 Environmental Management & Health Outcomes Metrics for Evaluation (EMHOME) system

There is a strong evidence base for the efficacy and cost-effectiveness of comprehensive asthma interventions that provide environmental health services.

Based on a review of the evidence base, the NIH's National Asthma Education and Prevention Program recommends four components of effective asthma care.

Four components of asthma care

Medications

Assessment and monitoring

Patient education

Control of environmental factors

Clinical

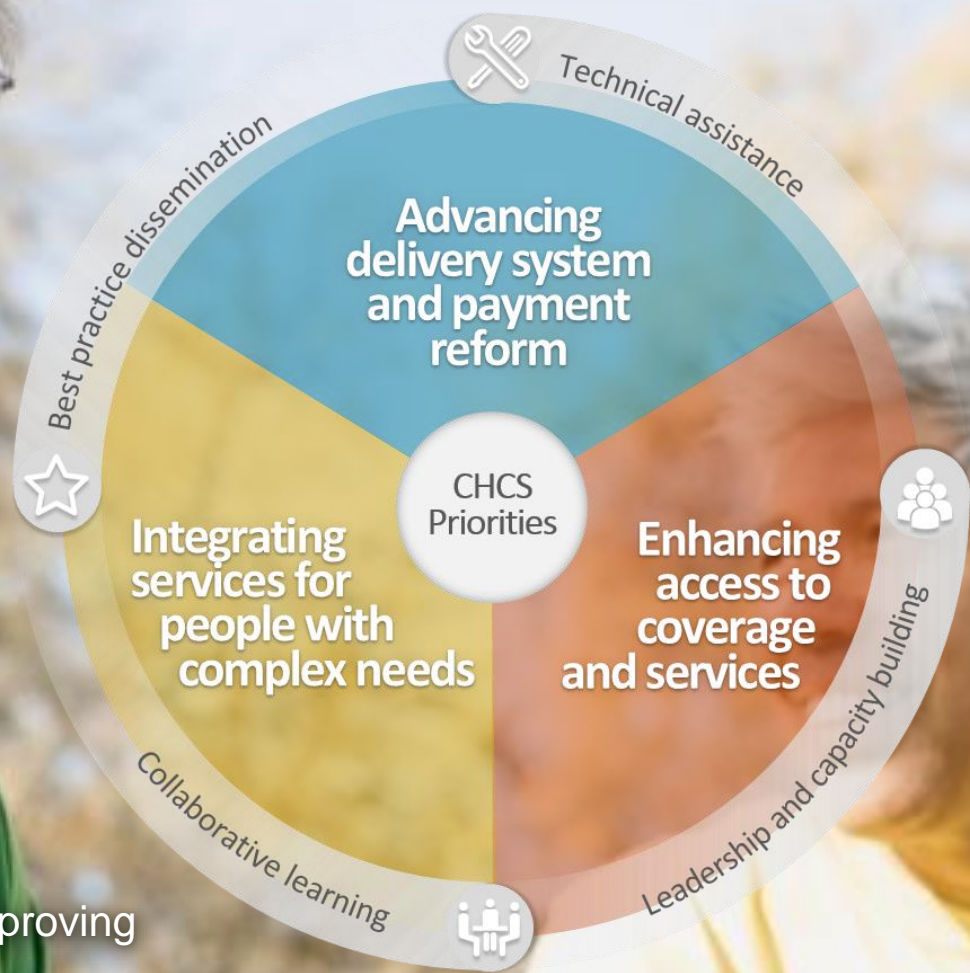
Community

- Asthma programs use a community-based element to reinforce clinical interventions and also address environmental triggers for the patient and family.
- Research shows that environmental control should be performed in a comprehensive manner using a multi-trigger, multicomponent approach.

Ex: Mold remediation, ventilation, removal of carpets and dust sinks for dust mites and allergens, integrated pest management

Although the evidence shows that comprehensive interventions can improve asthma outcomes, the healthcare system does not traditionally pay for these types of services.

About the Center for Health Care Strategies



Non-profit policy center dedicated to improving the health of low-income Americans



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Overview of Business Development Technical Assistance Services

Business Development is the first opportunity within the National Initiative for Asthma Reimbursement

Business Development Technical Assistance

Goal:

- Develop and implement asthma home visiting programs that provide or are seeking to provide comprehensive environmental health services

Eligibility criteria:

- 2 partners willing to participate: a health care entity & a service provider
- Interest in delivering environmental health services

Timeline:

- Each cohort (2 sites) will receive 8 months of technical assistance. Cohort 3 (2020) will run from January 15, 2020 to September 30, 2020.

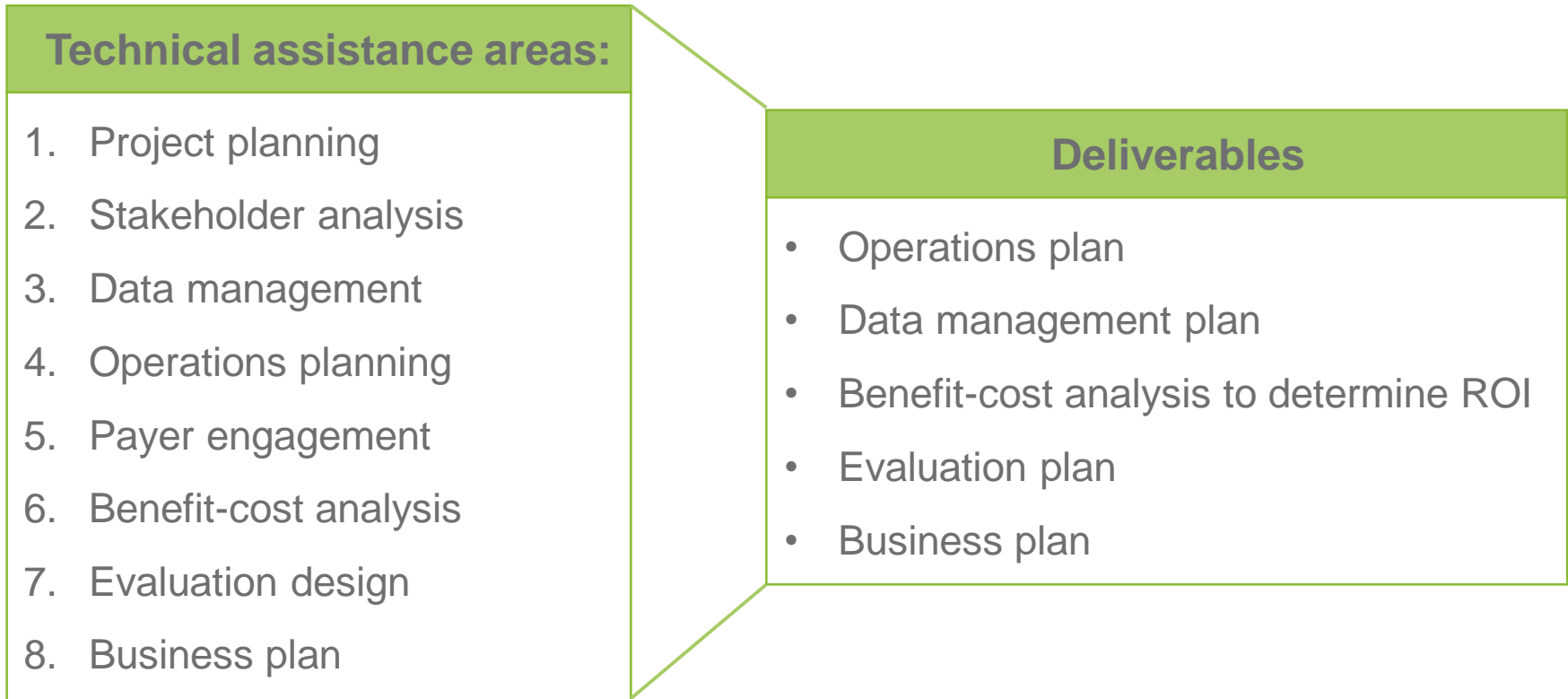
Key Dates:

- Aug 1: RFP released
- Nov 18: Proposals due 8pm ET
- Jan 31: Public award announcement

Business Development Technical Assistance Cohort Timeline

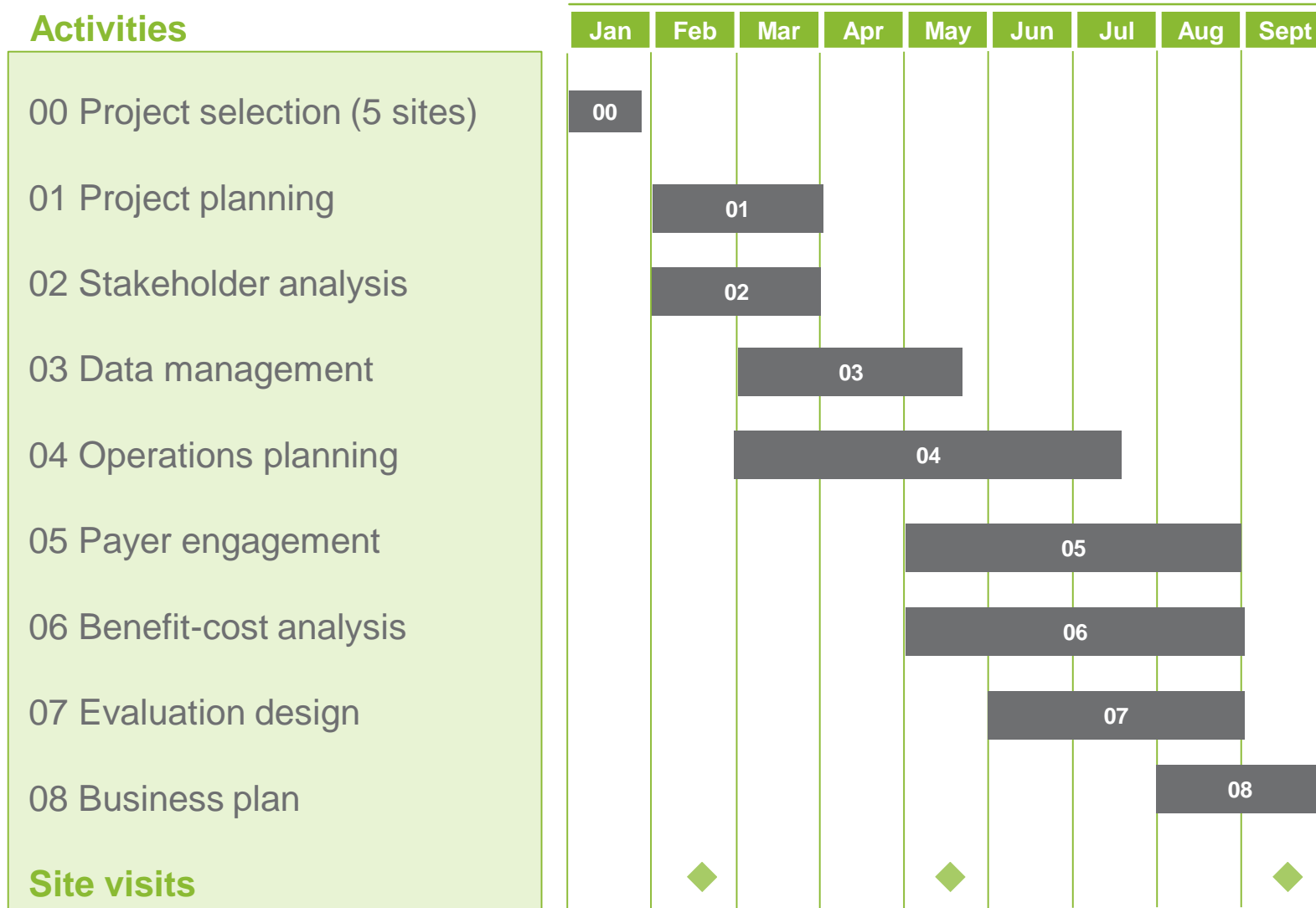
Cohort year	2018	2019	2020
TA sites per cohort	4 sites ✓	6 sites ✓	2 sites

GHHI will provide technical assistance to the five selected sites across eight different areas with specific planned deliverables.



Business Development Timeline

Project timeline (Cohort 3, Jan 2020 – Sep 2020)



San Antonio Metro Health District: 2019 Business Development Site



CITY OF SAN ANTONIO
METROPOLITAN HEALTH DISTRICT

Target population

Children with asthma identified as high-utilizers of acute care

Key Goals

Operational Planning

- Establish processes and protocols for new asthma program and launch services

Payer Engagement

- Establish referral and data partnerships with two health plans

Data and Evaluation Planning

- Develop processes and protocols for data management and evaluation

Progress

- Performed in-depth stakeholder analysis
- Created process flow diagram and detailed process flow narrative
- Data agreements in process with two health plans
- Currently finalizing a data management and evaluation guide
- Currently performing cost-benefit analysis

Contra Costa, California

Project Goal:

- Develop a home-based asthma program that leverages weatherization resources to assess and remove in-home asthma triggers
- Develop business case that estimates financial value from program to healthcare entities, such as County's Health Services and Medicaid Insurance plan.



Contra Costa Health Services

County-run department that includes: Medicaid Insurance, Primary Care Network and Hospital, and public health nursing programs



Department of Conservation and Development

County department that manages weatherization program (contractors are staffed in-house) and regional energy efficiency incentives



MCE

Renewable energy electricity provider (community choice aggregation) that manages ratepayer energy-efficiency program offerings

Align weatherization and Medicaid populations

Medicaid enrollees represent 24% of all asthma ED visits, while only 18% of population. Each person symbol below represents 6.5 asthma ED visits in Contra Costa County.

Weatherization Eligibility
< 200% FPL



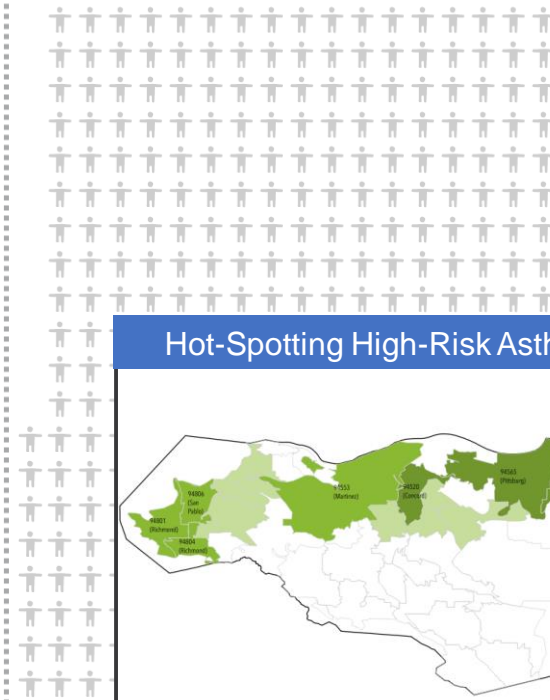
Regional Energy Efficiency Target Population (BayREN)

>200% FPL & < \$125k household income



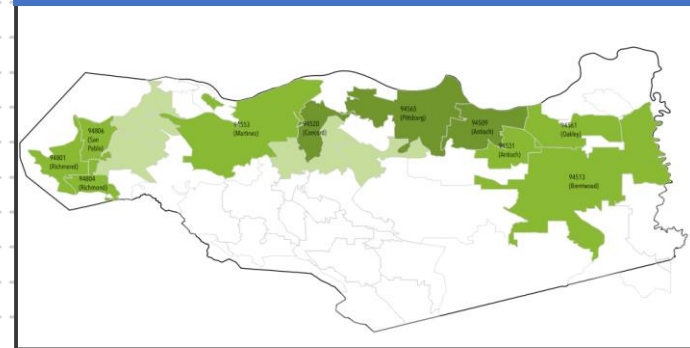
Access to Market-Rate EE incentives

> \$125k household income



 Asthma ED visit by a Medicaid Enrollee

Hot-Spotting High-Risk Asthma Members

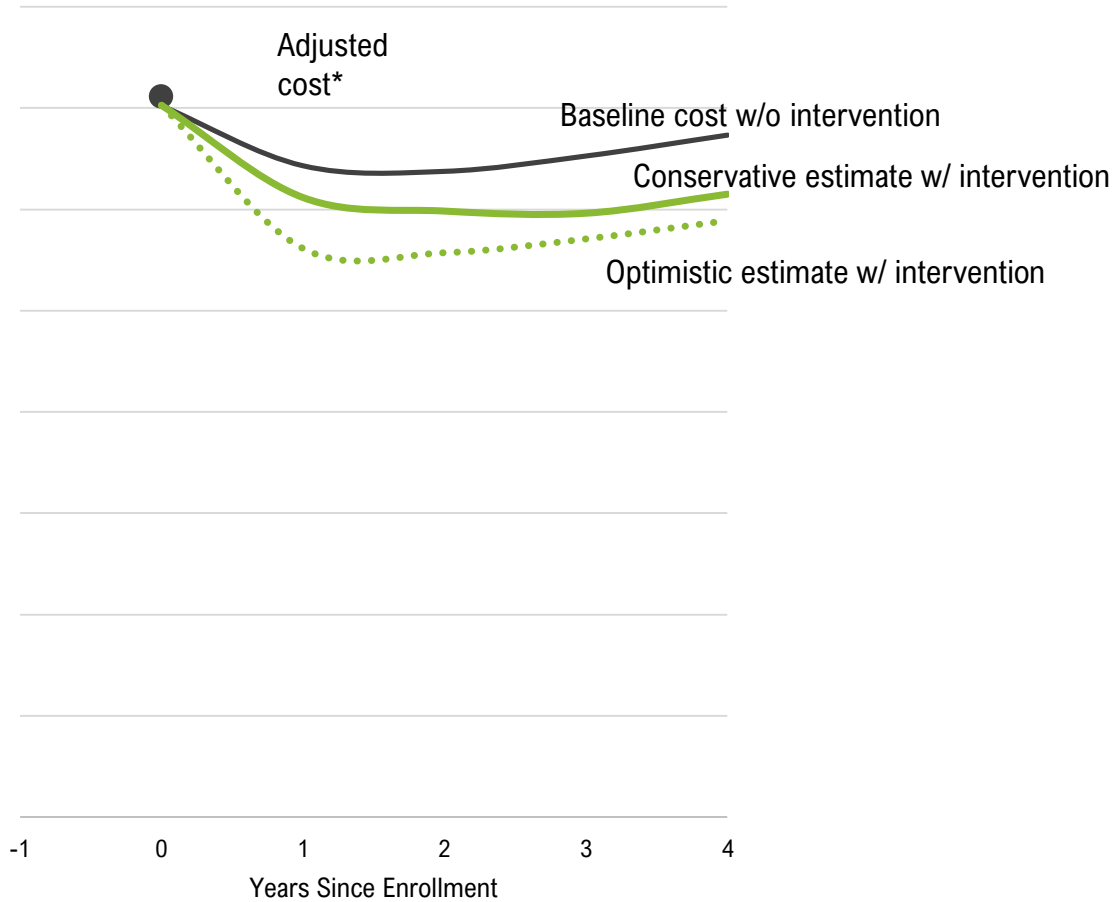


Note: Estimates are GHHI's analysis of American Community Survey, which tends to underestimate Medicaid enrollment.

Estimating Savings to Medicaid Health Plan

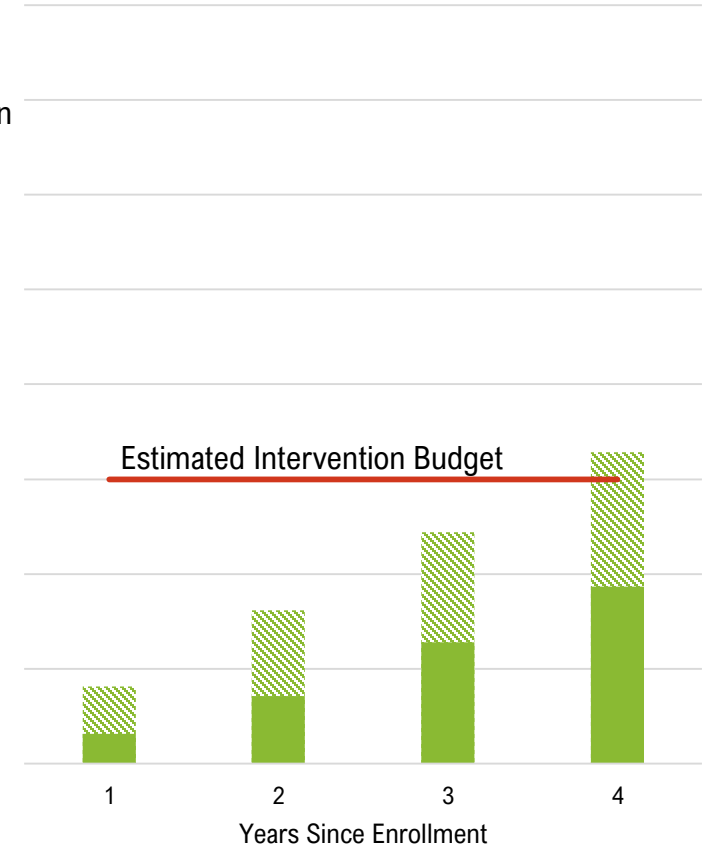
Projected Impact on Annual Total Cost of Care

(Average per member, any asthma claims event)



Cumulative Medicaid Savings

(Average per member, any asthma claims event)



Notes:

Year 0 Cost estimate is adjusted to include pharmacy claims and for 25% of GHHI's national reference data

Data is April 2018 – April 2019, with total cost of care including claims paid through March 2019. ED and IP visits are only asthma-related visits.

Excludes SPD, Duals, FFS, and any members not on "CCHP Medi-Cal Medicaid"



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Overview of Reimbursement Support Technical Assistance Services

Reimbursement Support is the second opportunity within the National Initiative for Asthma Reimbursement

Reimbursement Technical Assistance

Goal: Increase Medicaid funding for these comprehensive environmental health service interventions.

Eligibility criteria:

- Operational program that includes environmental health services
- Established partnership with healthcare entity

Timeline: Each cohort will receive up to 12 months of technical assistance

Key Dates:

- Aug1: RFP re-released
- Proposals accepted on rolling basis

Reimbursement Technical Assistance Cohort Timeline

Cohort year	2018	2019	2020
TA sites per cohort	2 sites ✓	3 sites ✓	5 sites

Projects that successfully complete the business development phase will be encouraged to apply for the Reimbursement phase in the following year.

GHHI will provide technical assistance to the selected sites across four main areas. Specific activities will depend on the needs of each site.

Policy analysis

- Analysis of political and regulatory issues
- Support navigating and removing potential barriers

Data support

- Creation and execution of appropriate agreements
- Assistance with Institutional Review Board (IRB) applications

Payment model support

- Analysis & selection of best method for reimbursement
- Payer engagement & support
- Support contracting & finalizing terms with payer(s)

Economic analysis

- Cost-benefit analysis
- Economic modeling
- Budget analysis & recommendations
- Risk analysis & mitigation recommendations

Pittsburgh: Hybrid Business Development / Reimbursement Site

UPMC HEALTH PLAN

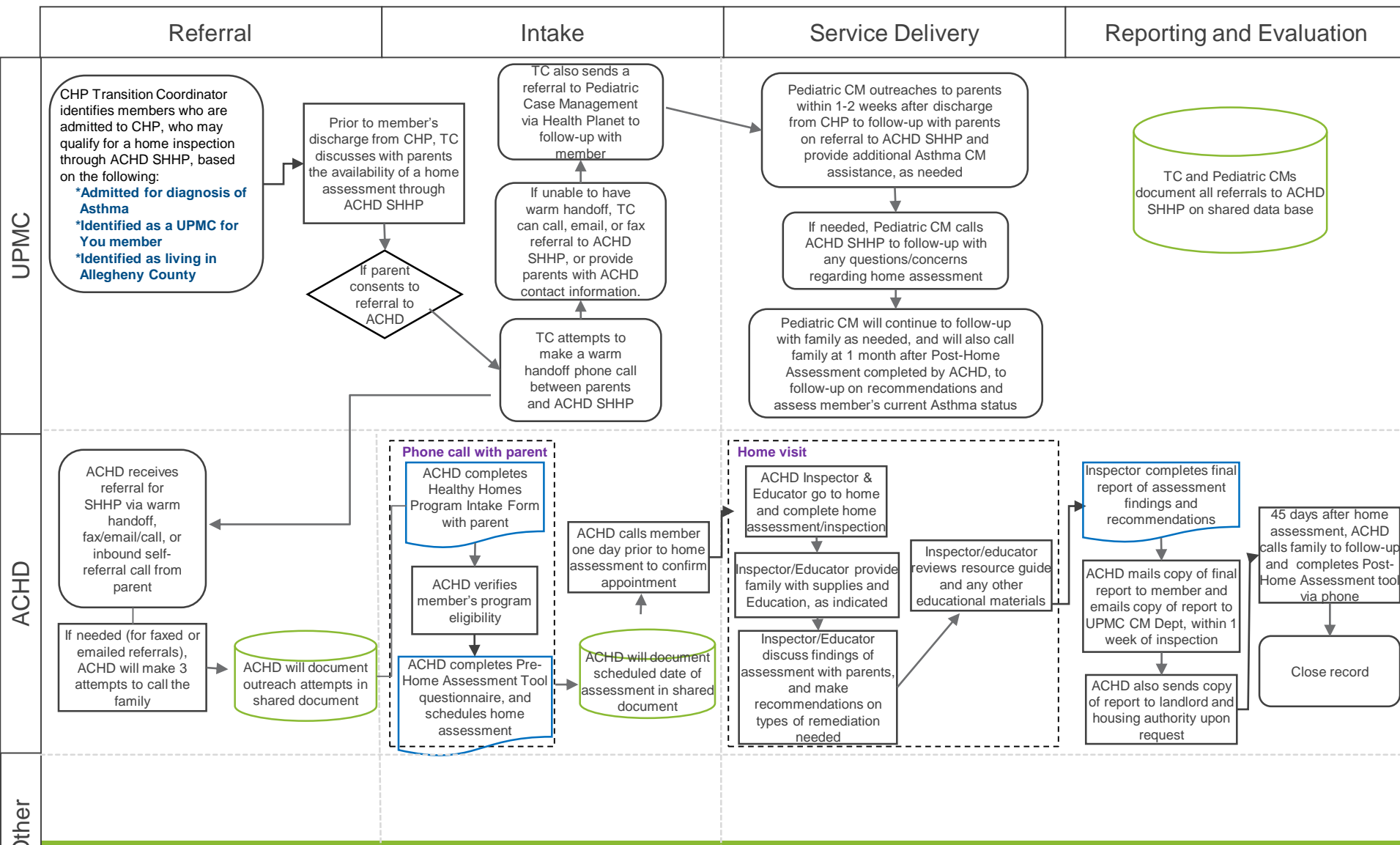
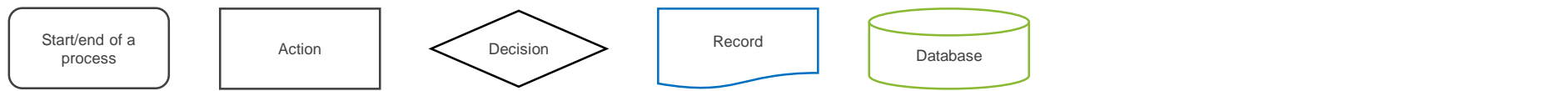


Goals

- Strengthen working partnership between UPMC Health Plan and ACHD (Safe and Healthy Homes Program)
- Develop referral pathway and program coordination for UPMC Health Plan members with severe asthma (1 IP stay)
- Evaluate outcomes and explore options for sustainable financing if effective

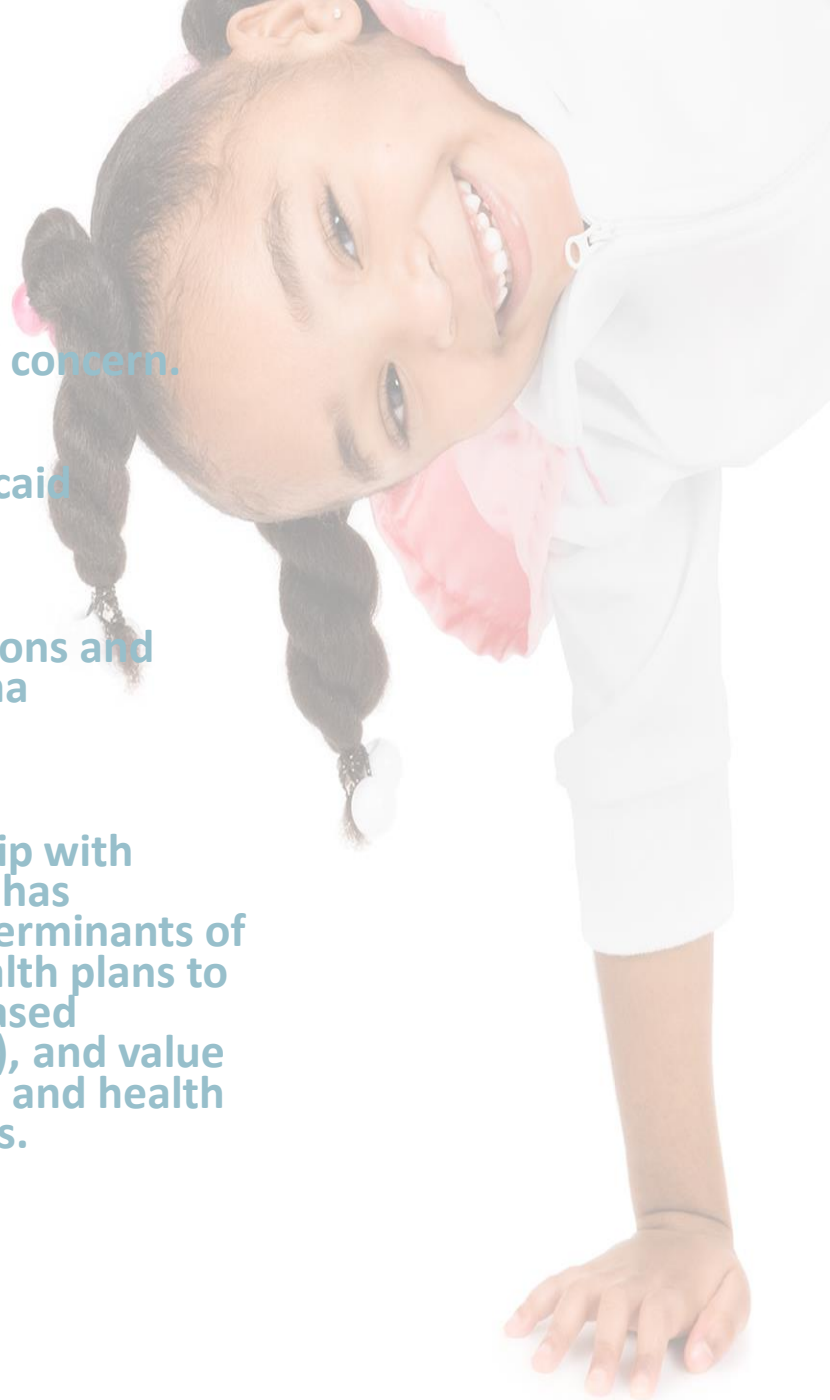
Progress

- Mapped out process flow from member identification and referral, to coordination between ACHD and case management teams
- Drafted BAA for information sharing; currently in legal review
- Pulled baseline cost data for members who meet criteria



Project Goals

1. To improve the health of vulnerable children in Buffalo and Erie County, specifically related to asthma and other environmental health issues of concern.
2. To bring in an additional MCO with a larger Medicaid population to join the project.
3. To conduct a pilot to test the budgetary assumptions and operational processes developed for home asthma interventions in the PFS Feasibility Study.
4. To leverage the NYS Medicaid program partnership with Office of Health Insurance Pro-grams (OHIP) that has dedicated an entire bureau to focus on social determinants of health. The Bureau of Social Determinants of Health plans to work with health plans, providers, Community Based Organizations, Performing Provider Systems (PPS), and value based contractors on initiatives to improve SDOH and health outcomes within our most vulnerable populations.



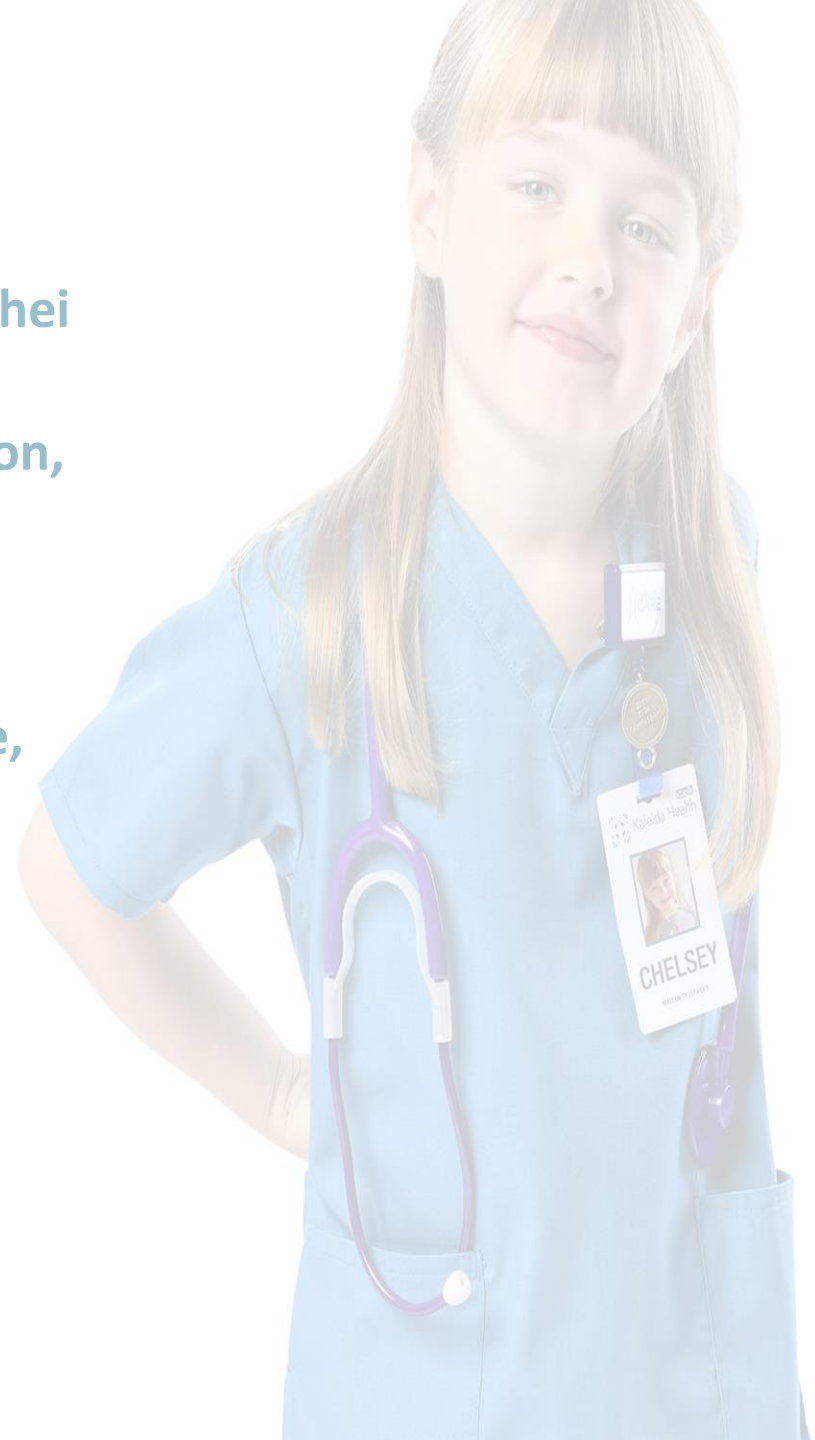
Pilot Project Plan

- Provide asthma education and in-home remediation to households with asthma
- Test the strength of the partnership and reduce hospitalizations and ED visits for children with asthma
- Determine operational efficiency, and average intervention expenses, in addition to children's health outcomes, medical usage and resulting savings from this model
- Direct impact on at least 10 families



Project Partners

- **Partner 1: Lead organization: John R. Oishei Children's Hospital, Healthcare Entity**
- **Partner 2: Independent Health Association, Medicaid Payor**
- **Partner 3: Buffalo Prenatal-Perinatal Network, Service Provider Entity**
- **Partner 4: Millennium Collaborative Care, Convener**
- **Partner 5: Community Foundation for Greater Buffalo, GHHI Buffalo**



To apply for technical assistance, the applicant must meet a set of eligibility criteria and requirements.

Business Development Eligibility Criteria

- Use requested support for a project that delivers home visiting asthma self-management education, environmental assessment, & environmental control practices aimed at reducing exposures
- Have two partners willing to participate as project leaders and provide letters of commitment: one from a health care entity partner and one from a service provider partner

Reimbursement Eligibility Criteria

Same as above, plus:

- Have an existing asthma program providing environmental health services
- Have existing partnership with a health care entity willing to sign letter of commitment to explore reimbursement for program services

To apply for technical assistance, the applicant must meet a set of eligibility criteria and requirements.

General Requirements

- Enter into a Memorandum of Understanding with GHHI for technical assistance services
- Participate in knowledge-sharing activities and make publicly available all non-confidential documents and tools developed during the agreement period

Business Development In-Kind

Contribute in-kind hours, estimated at **240-360 hours from each partner**, to support TA GHHI will provide

Reimbursement In-Kind

Contribute in-kind hours, estimated at **20-30 hours per month from each partner**, to support the TA GHHI will provide

The RFP documents outline all necessary application materials, submission guidelines, and selection criteria.

Application materials

- Cover sheet
- Proposal narrative
- Most recent A-133 audit, if applicable
- Most recent financial statement
- Letters of commitment from partner organizations' leadership
(Reimbursement – required; Business Development – required)
- Additional project-related documents, such as program evaluation report
(optional, but recommended)

GHHI will provide each applicant the opportunity to have a telephone call of no more than 30 minutes with GHHI staff to answer questions about the opportunity.

Important dates and links

- August 1, 2019: RFPs released
- View application materials here:
<https://www.greenandhealthyhomes.org/services/national-initiative-for-asthma-reimbursement/>
- November 18, 2019: Business development applications due at 8p ET
- Reimbursement Support applications: Proposals accepted from October 1, 2019 to February 1, 2020
- January 31, 2020: Public announcement of awards



Green & Healthy Homes Initiative®

Q&A

Questions?

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