

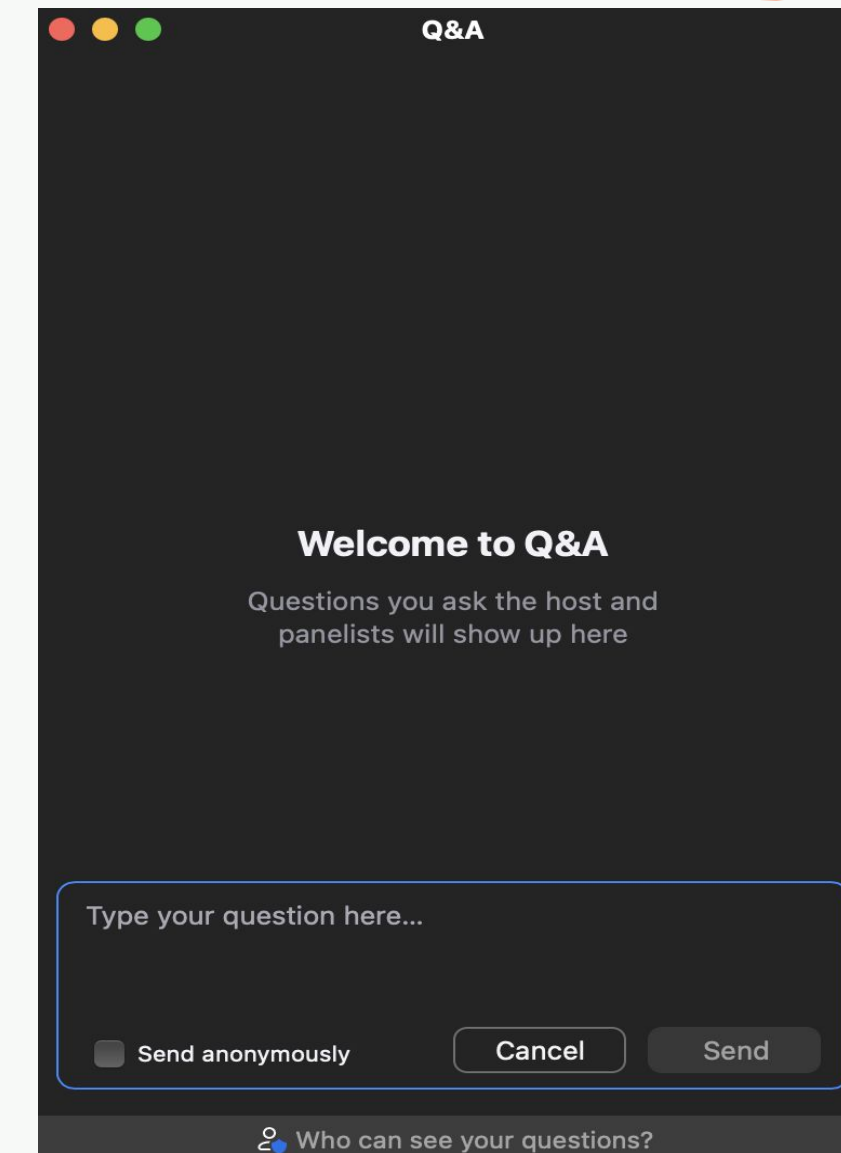
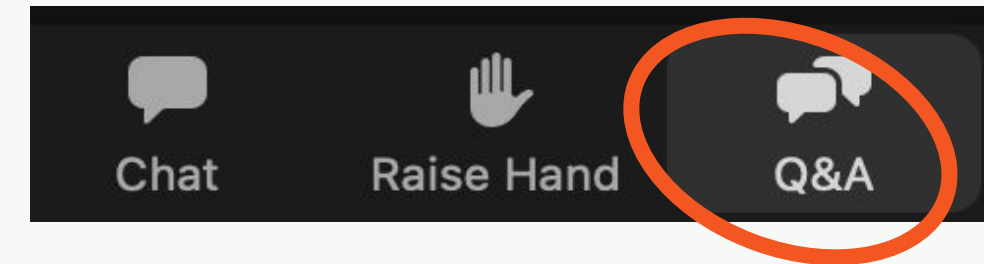
PARTNERING WITH PUBLIC HEALTH TO REDUCE INDOOR ASTHMA TRIGGERS AND IMPROVE ASTHMA OUTCOMES

An Ohio Case Study

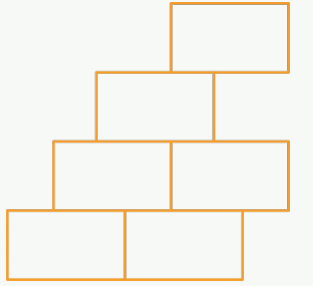
MARCH 6, 2025 at 2-3 PM ET

Housekeeping

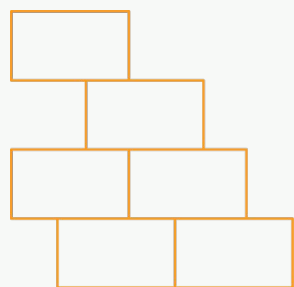
- Attendees are muted throughout the webinar.
- Type questions into **Chat or Q&A** pane.
- Send a **chat to the Hosts & Panelists** for help.
- To activate captions, select “**Live Transcript**” and “**Show Subtitle.**”
- This webinar will be recorded and shared at medical-legalpartnership.org/resources/



Funding Disclosure



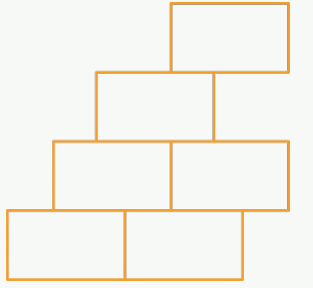
This project is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) as part of an award to the National Center for Medical-Legal Partnership totaling \$550,000 with 0 percent financed with non-governmental sources. The contents are those of the author(s) and do not necessarily represent the official views of, nor an endorsement by HRSA, HHS, or the U.S. Government. For more information, please visit [HRSA.gov](https://www.hrsa.gov).



National Center for Medical  Legal Partnership

AT THE GEORGE WASHINGTON UNIVERSITY

Today's Moderator

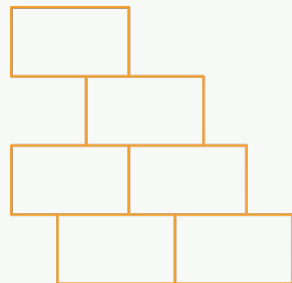


Bethany Hamilton, JD

Director

National Center for Medical-Legal Partnership, based at the Milken Institute

School of Public Health at GWU



National Center for Medical  Legal Partnership

AT THE GEORGE WASHINGTON UNIVERSITY

Asthmatic Patients

The Classic MLP Story

Article: Study shows reduced hospital admissions for asthma patients after MLP services

MONDAY, OCTOBER 1, 2012

By Mary O'Sullivan, Julie Brandfield, Sumedh Hoskote, Shiri Segal, Luis Chug, Ariel Modrykamien & Edward Eden — *Journal of Asthma*

[Download the full article: "Environmental Improvements Brought by the Legal Interventions in the Homes of Poorly Controlled Inner-city Adult Asthmatic Patients: A Proof-of-Concept Study"](#)

A study in New York City analyzed the effects of medical-legal partnership services that forced landlords to provide better living conditions for adult patients with asthma. It found that the number of Emergency Department visits and hospital admissions declined post-MLP intervention, and that all patients had reduction in medication due to increased wellbeing. The findings, published in the *Journal of Asthma*, indicate that MLP care is effective in bringing about substantial symptomatic and objective improvements in adult asthma.

Article: Pinpointing clusters of high asthma morbidity using housing and health data

TUESDAY, NOVEMBER 3, 2015

By Andrew Beck, Bin Huang, Raj Chundur, & Robert S. Kahn — *Health Affairs*

[Download the full article: "Housing Code Violation Density Associated With Emergency Department And Hospital Use By Children With Asthma"](#)

Researchers at Cincinnati Children's Medical Center examined how local agencies that enforce housing policies can partner with the health care organizations to pinpoint potential clusters of high asthma morbidity. In a *Pediatrics* article, they describe how integrated housing and health care can identify high-risk areas and patients at-risk for asthma-related emergency department visits and hospitalizations, providing opportunities to offer

Article: A public/private partnership to address asthma

WEDNESDAY, JULY 22, 2015

By Ted Kremer, Monica Lowell, & Valerie Zolezzi-Wyndham — *Health Affairs blog*

[Click here to download the article, "Public/Private Partnership To Address Housing And Health Care For Children With Asthma"](#)

In Worcester, Massachusetts, more than one in ten children suffers from asthma. Recently the city's civil legal aid organization, health care institutions, and the city Department of Public Health began using a multi-sector medical-legal partnership approach to address housing and clinical needs of high-risk asthma patients. This post on the *Health Affairs* blog describes that partnership and their early findings.

Learning Objectives

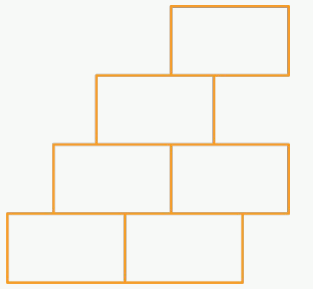
PARTNERING WITH PUBLIC HEALTH TO REDUCE INDOOR ASTHMA TRIGGERS AND IMPROVE ASTHMA OUTCOMES

An Ohio Case Study

- Describe the connection between indoor and outdoor air quality and asthma.
- Explain the MATH (Managing Asthma Triggers at Home) model, including its collaboration with health providers and its evidence base.
- Analyze how one community is implementing the MATH model in collaboration with the county health department, local children's hospital, and community health workers HUB to identify and serve families managing asthma triggers.
- Examine the natural partnership between local health departments and legal aid organizations.
- Identify the role of legal aid, the purpose of medical-legal partnerships (MLPs), and the structure of MLP collaborations.
- Develop strategies for integrating a local legal aid organization into the MATH model through a medical-legal partnership.

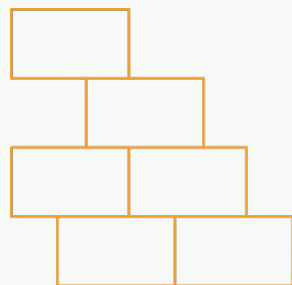


Our Speakers



Sam Rubens

**Summit County Public Health
Manager, Air Quality
Akron, OH**



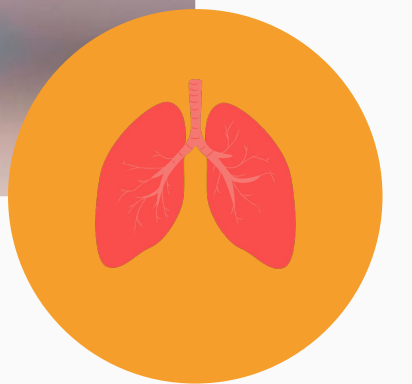
Marie B. Curry

**Community Legal Aid
Managing Attorney
Akron, OH**

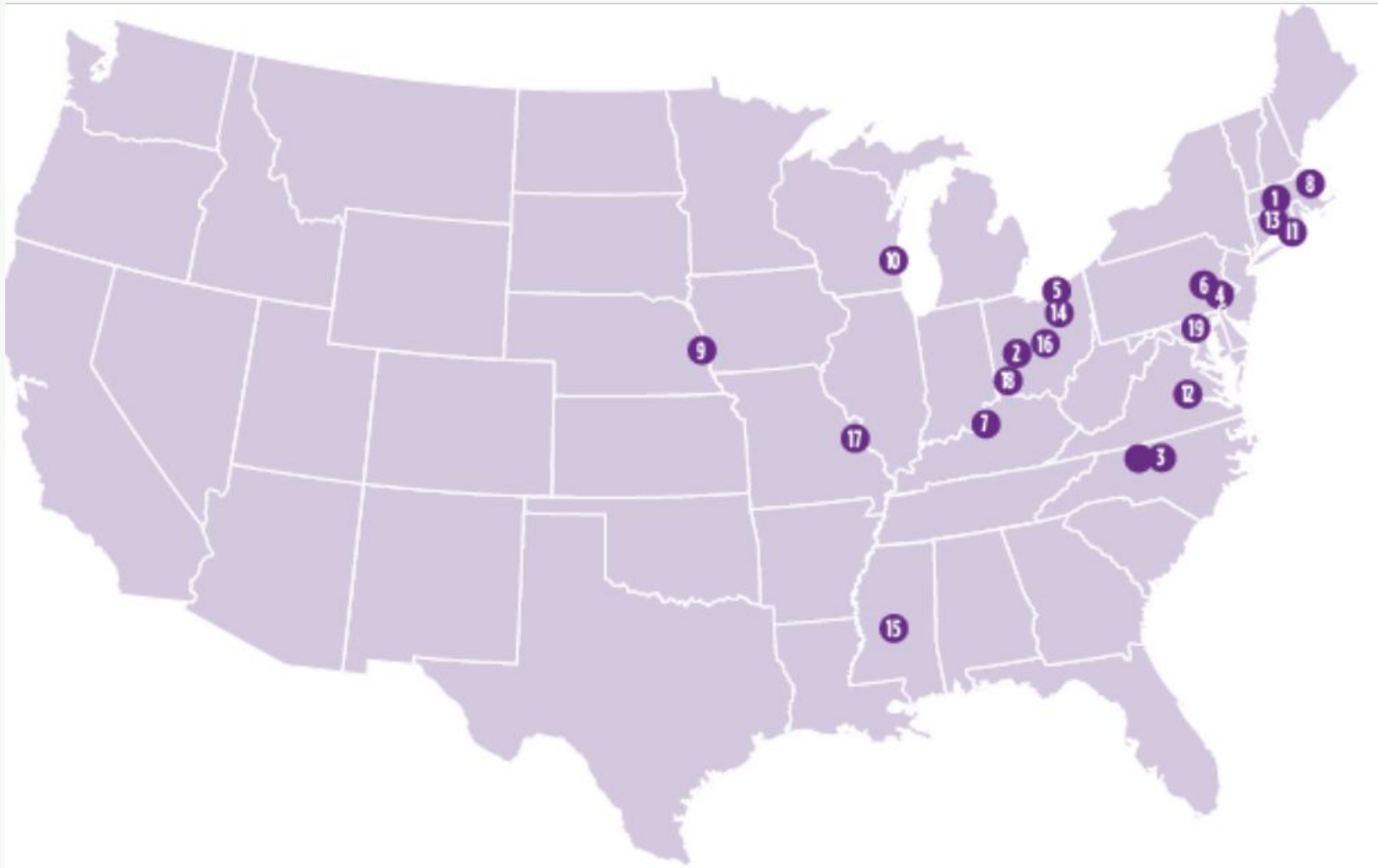




ARAQMD and SCPH

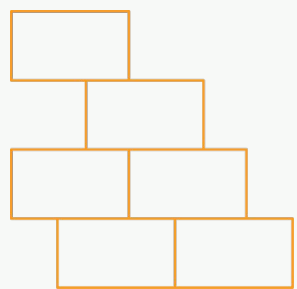
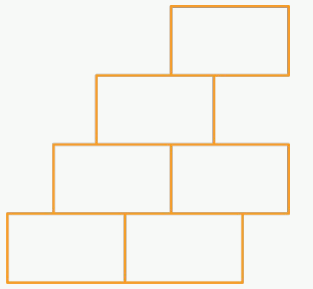


Asthma Capitals 2019, AAFA



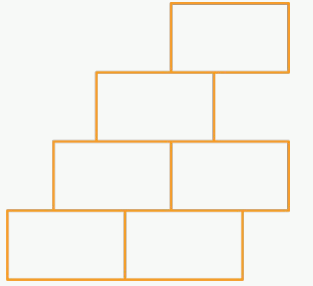
- 1) Springfield, MA
- 2) Dayton, OH
- 3) Greensboro, NC
- 4) Philadelphia, PA
- 5) Cleveland, OH
- 6) Allentown, PA
- 7) Louisville, KY
- 8) Boston, MA
- 9) Omaha, NE
- 10) Milwaukee, WI
- 11) New Haven, CT
- 12) Richmond, VA
- 13) Hartford, CT
- 14) Akron, OH
- 15) Jackson, MS
- 16) Columbus, OH
- 17) St. Louis, MO
- 18) Cincinnati, OH
- 19) Baltimore, MD
- 20) Winston-Salem, NC

Childhood Asthma



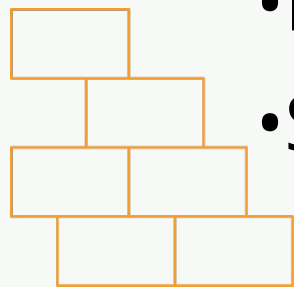
Partnerships



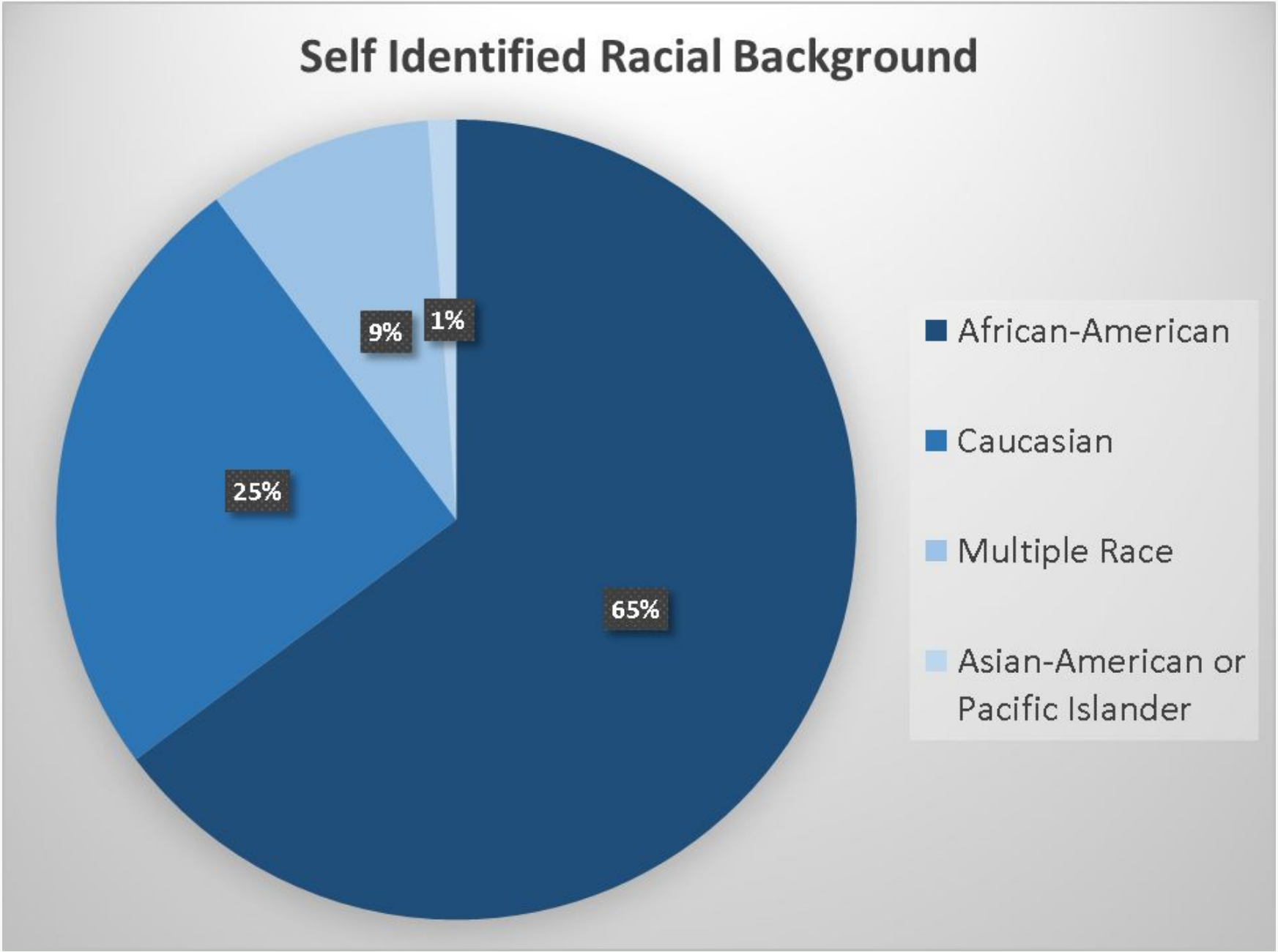


MATH Program

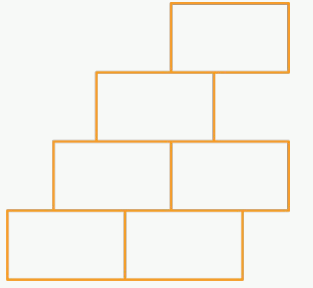
- Quarterly home visits, with ACT collection
- Monthly text messages
- Provide equipment
- Bed/pillow bags
- HEPA vacuum
- HEPA air purifier
- Furnace filters
- CO detector
- Dehumidifier (if needed)
- Pest control or home cleaning (if needed)
- Spacer for medicine provision



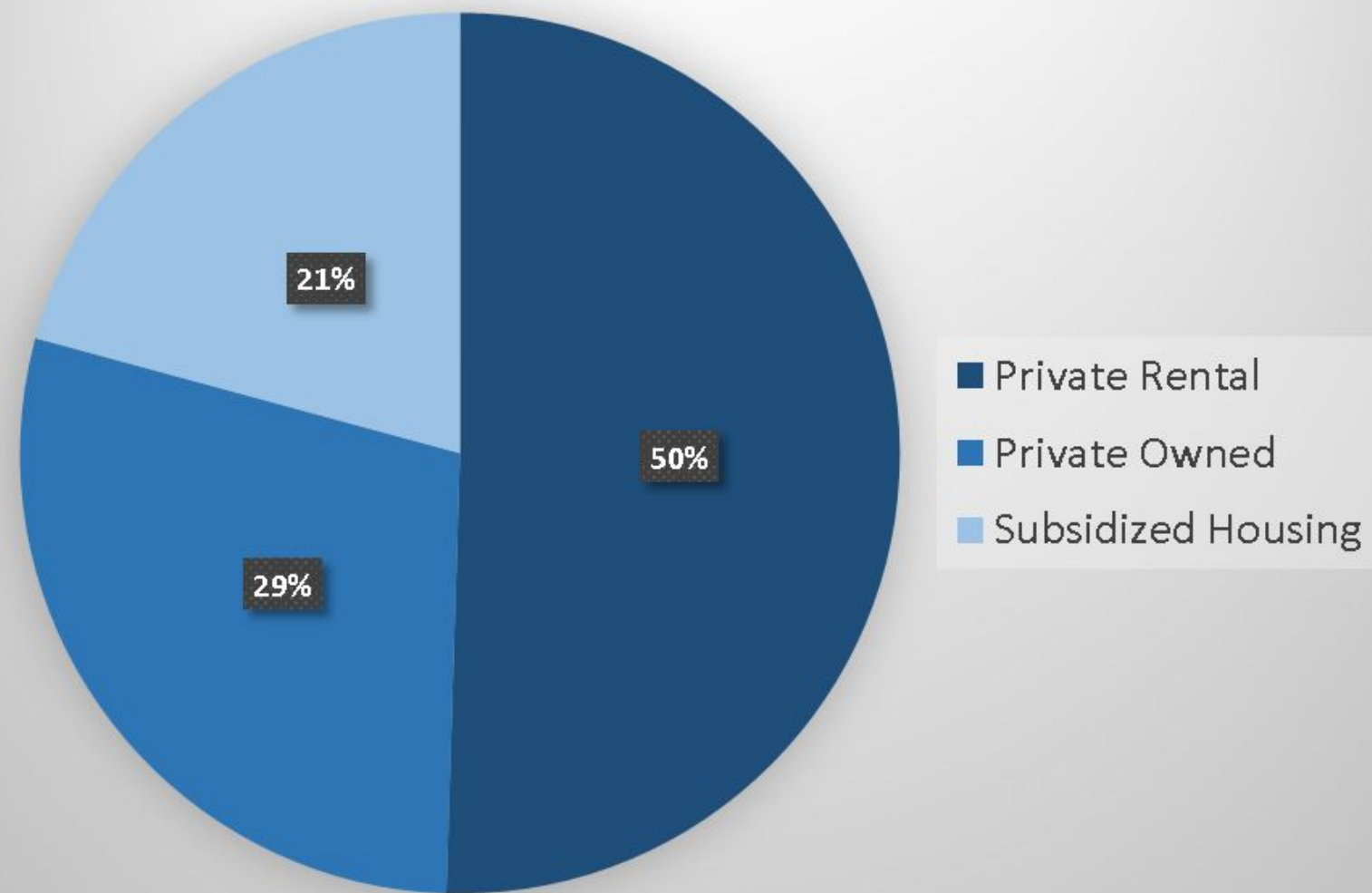
Demographics of Clients



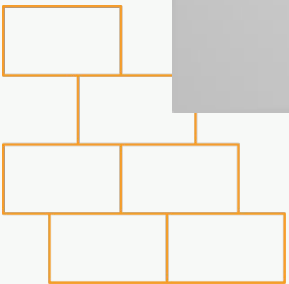
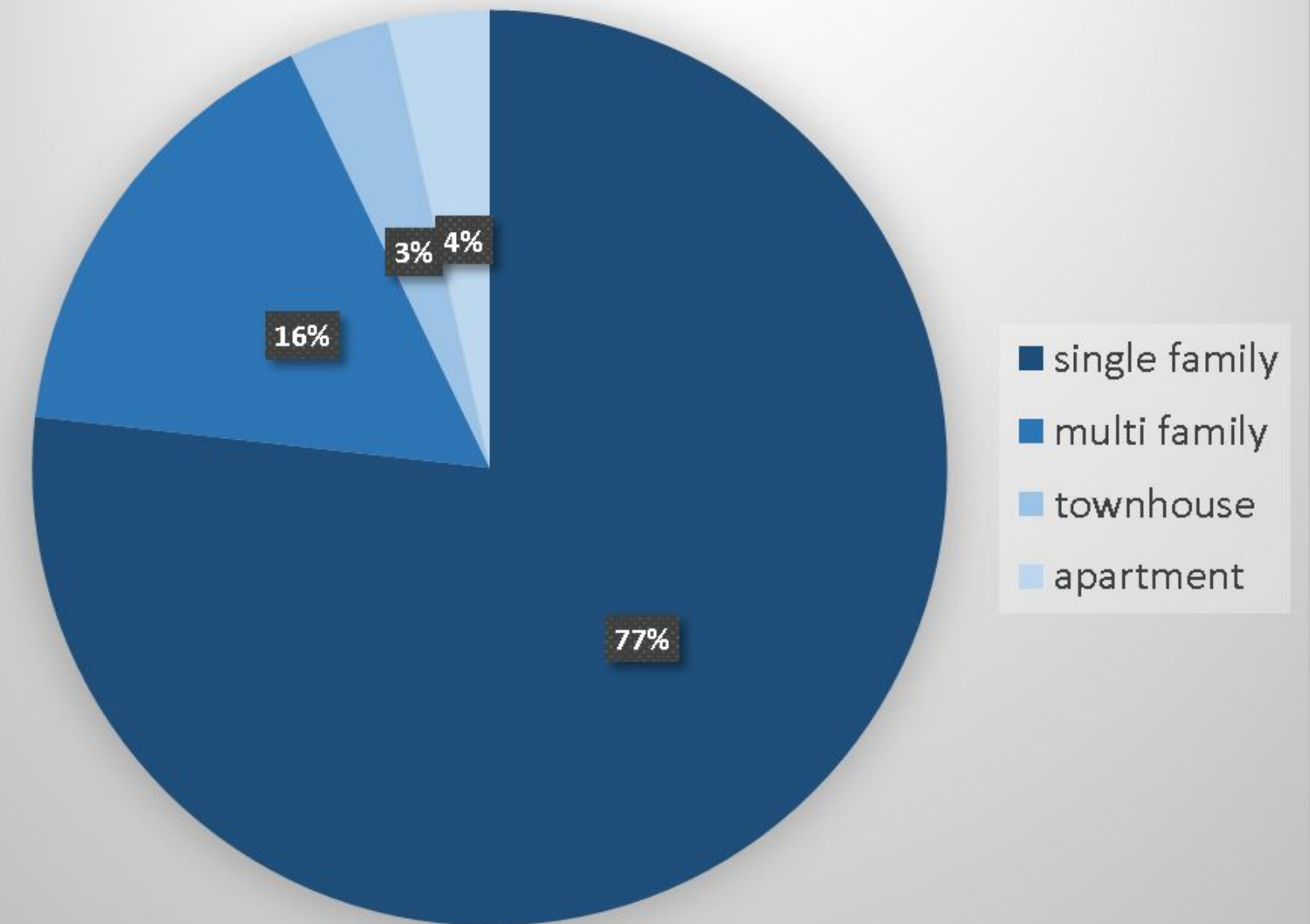
Ownership and Type of Residence



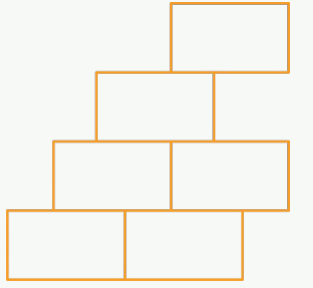
Ownership of Residence



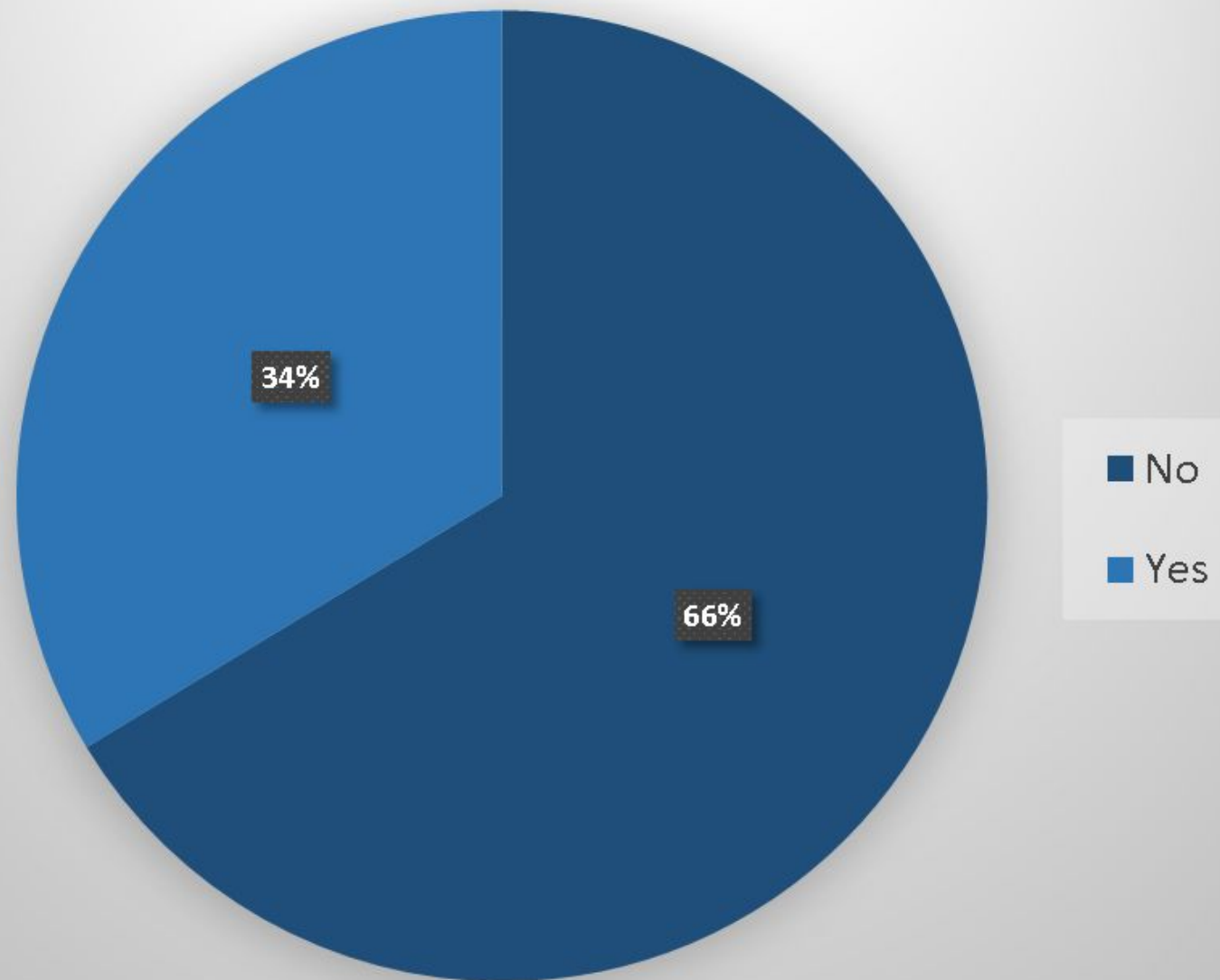
Type of Residence



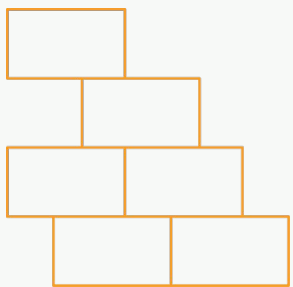
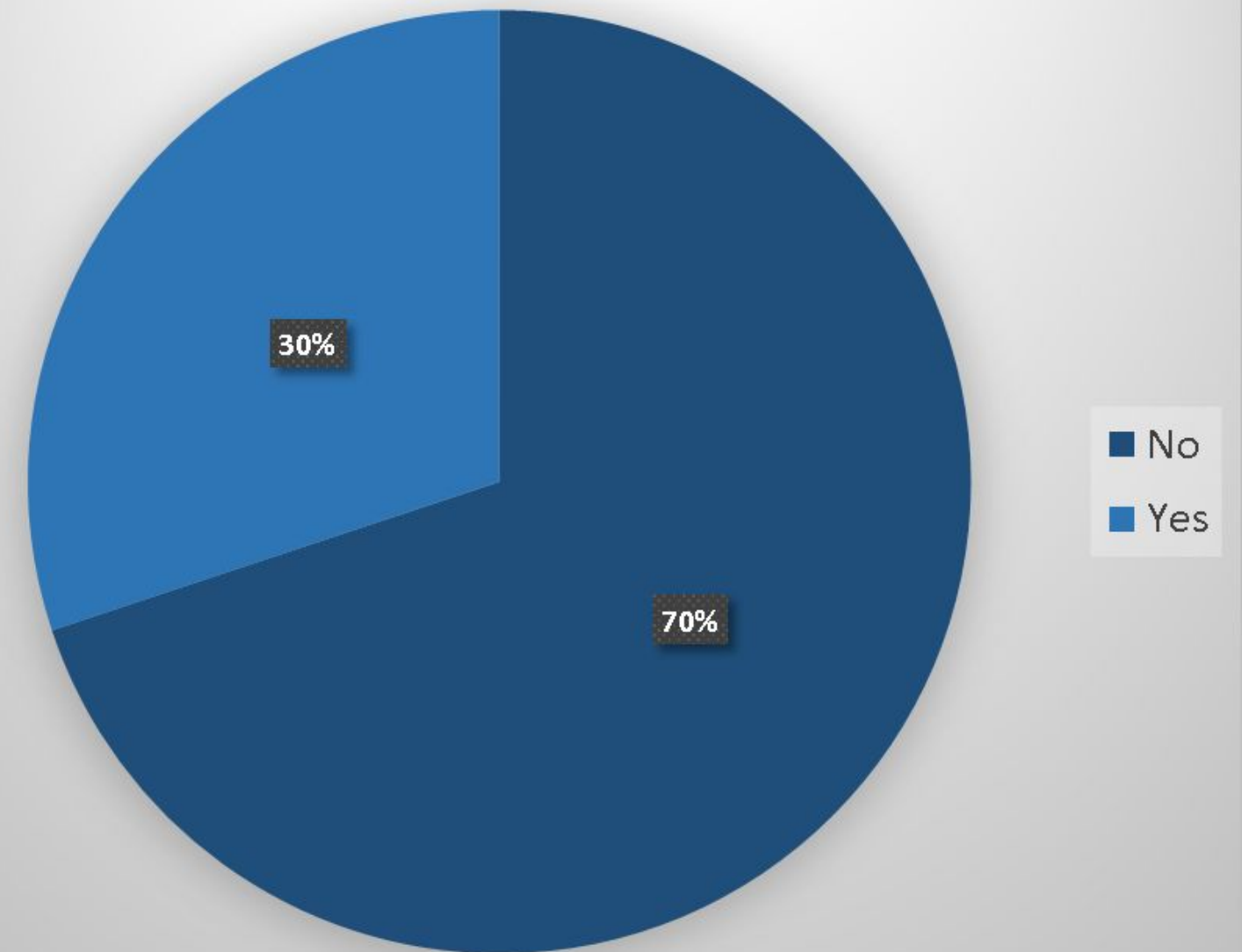
Smoking and Pet Presence



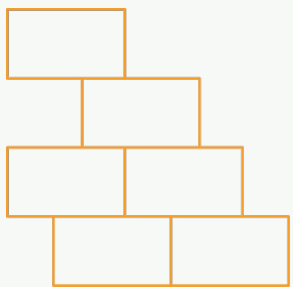
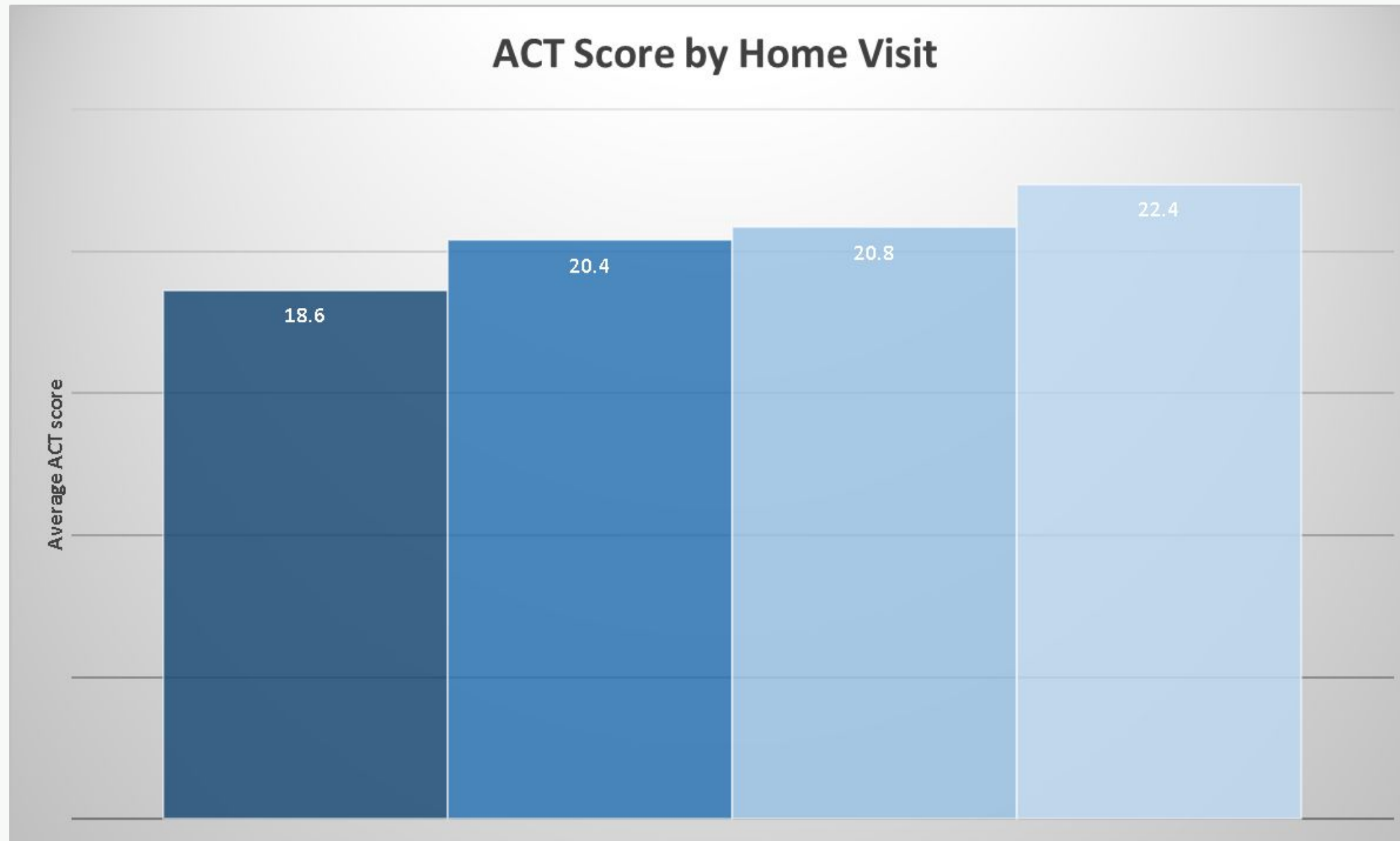
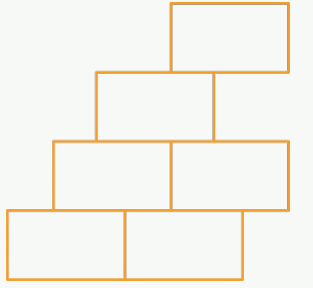
Is Smoking Present in the Home?

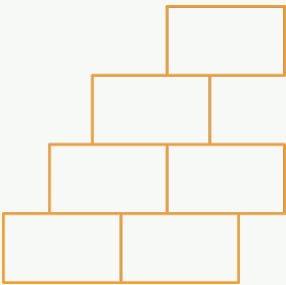


Are Pets Present?



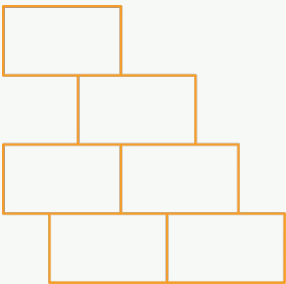
Asthma Control Test Scores



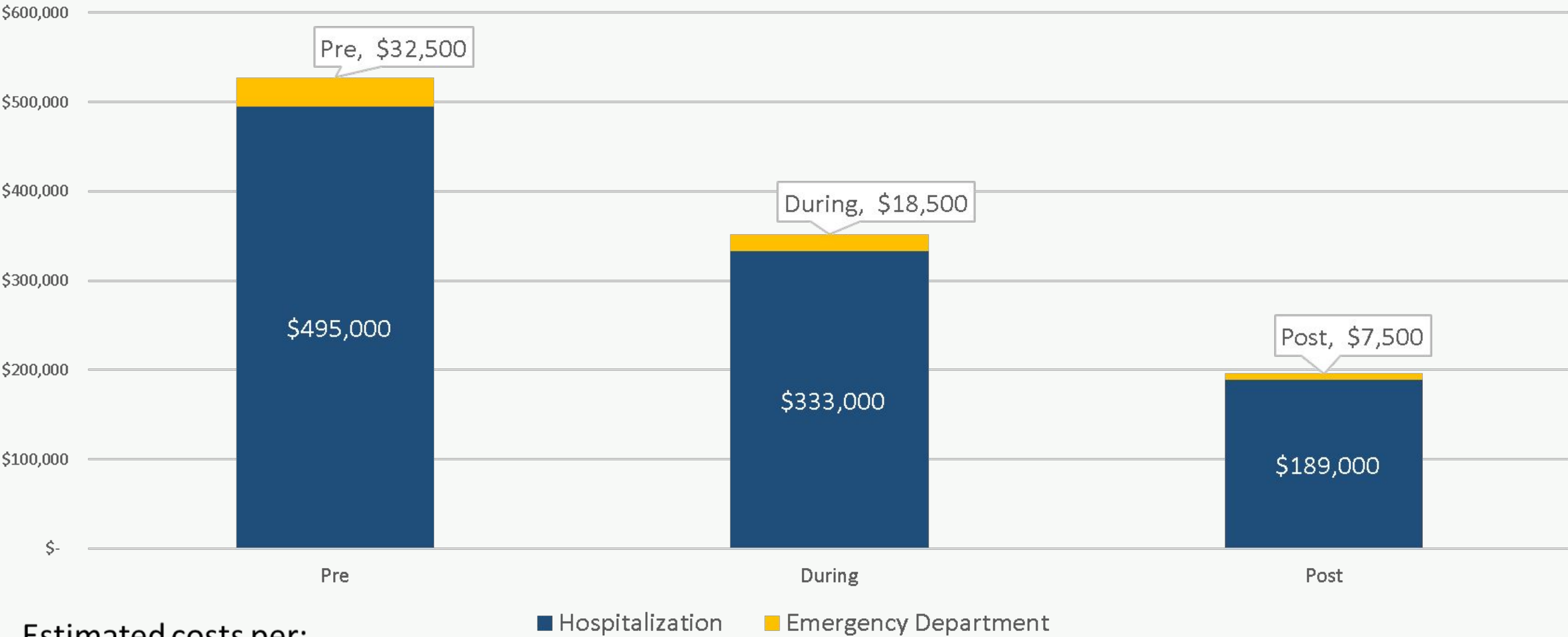


Hospital Usage

	Pre-intervention	Intervention	Post-intervention
Hospitalization	55	37	21
Emergency Department	65	37	15

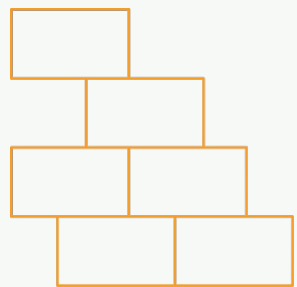
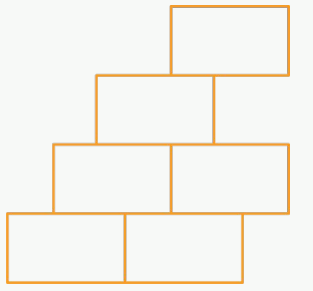


Hospital Usage Cost Analysis

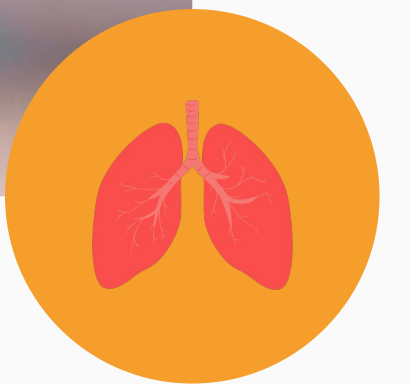


Estimated costs per:
Hospitalization - \$9,000
Emergency Dept. - \$500

Continuance of MATH

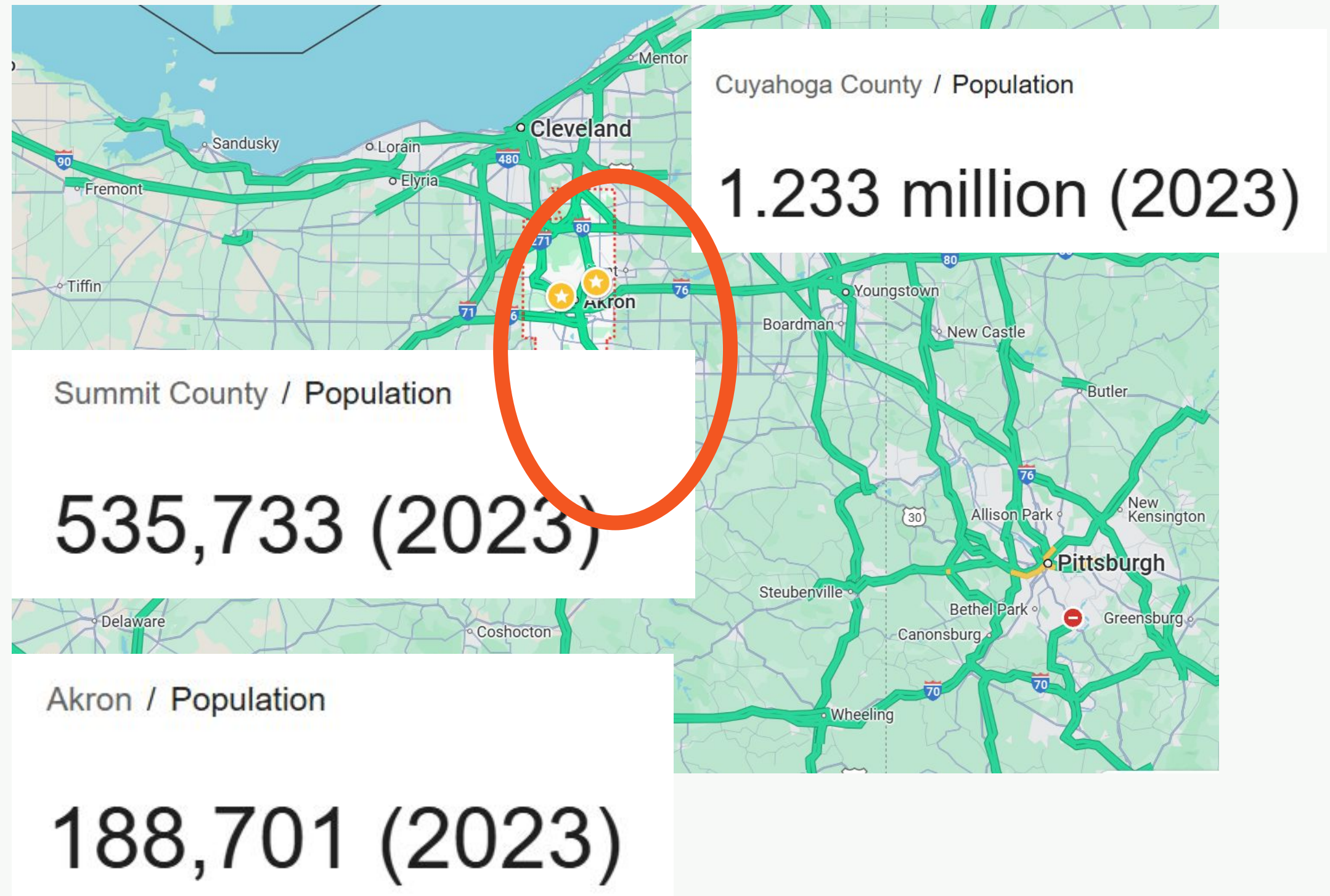


Leveraging Legal Aid



Summit County OH & Akron OH

Geography, Population, Code Enforcement

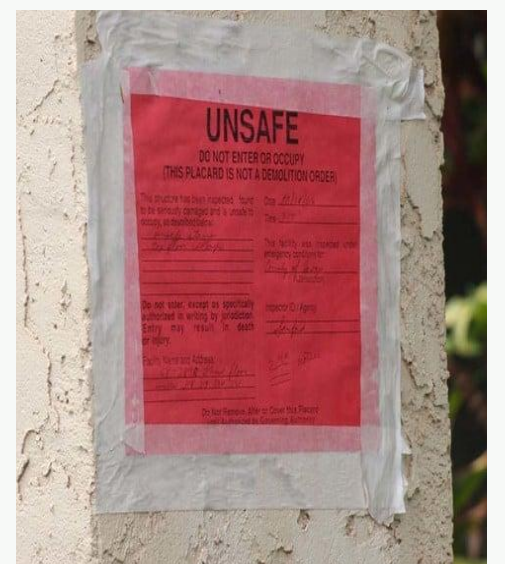
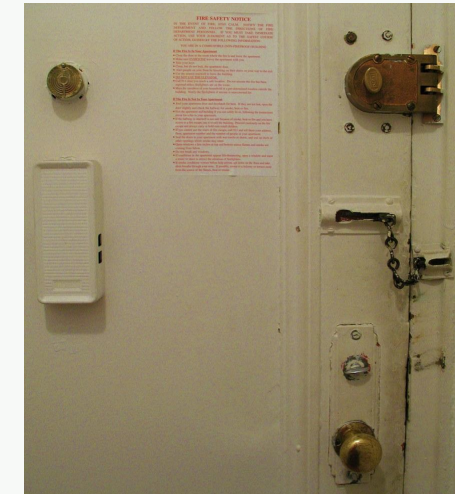


The Health Department & Legal Aid:

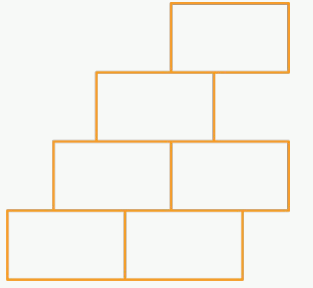
A natural partnership

Housing:

- Unsafe conditions
 - Housing code violations
 - Broken or missing locks on doors or windows
 - Broken windows
 - Unsafe stairs/steps, Unstable foundation
 - Water leaks
- Unhealthy conditions
 - Lack of heat, electricity, refrigeration (Housing Code violations)
 - Mold
- Lead
 - Legal Aid attorney attends Lead Clinic at Children's Hospital
 - Health Department acts on reports of children with high blood lead levels

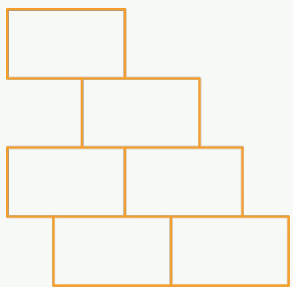


Where is the Synergy?

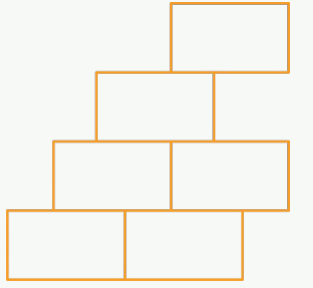


When does the Health Department bring in Legal Aid?

- Rental Property: Landlord/Tenant
Violations of Housing/Health Code
To help navigate complex, opaque legal rules
- Triad
Hospital (or CHC)
Health Department
Legal Aid
- Example: family in basement AMHA (public housing) apartment

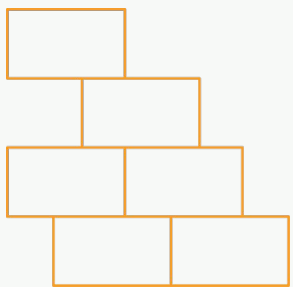


Where is the Synergy?

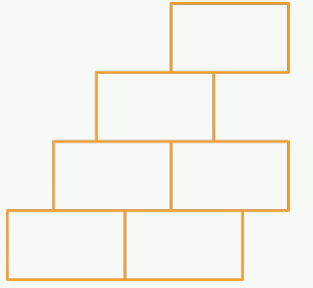


When does Legal Aid bring in the Health Department?

- Housing conditions
 - Has the health department already inspected?
 - Report is useful leverage w LL
- Strategic decision (T decides)
 - Consider:
 - Does the LL get notice of inspection?
 - What is the relationship between tenant and landlord?
 - How comprehensive and helpful is the housing code?



Where is the Synergy?

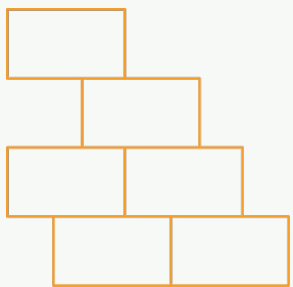


Lead – its own set of rules

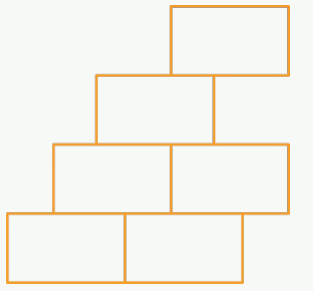
- Lead dust is an asthma trigger
- If blood lead levels above a certain level, LDH gets notice

Legal Aid attends Akron Children's Hospital Lead Clinic

- Legal Aid gets Health Department involved, in not already
- Inspection report is very detailed
- Is alternative housing available during remediation?
- City and County resources available for remediation

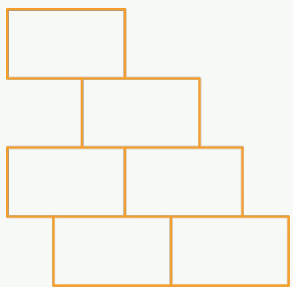


What is a medical-legal partnership? (MLP)

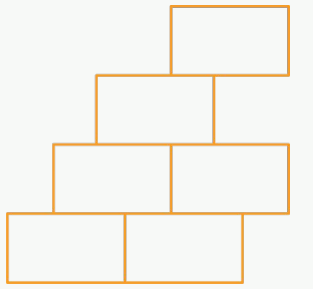


Medical-legal partnerships integrate the unique expertise of lawyers into health care settings to help health care providers and systems address the root causes of poor health outcomes.

National Center for Medical  Legal Partnership



How does an MLP Help?



I-HELP

INCOME

- Appeal denials of food stamps,

1. Increasing someone's income means s/he

HOUSING & UTILITIES

- Secure housing subsidies

1. A stable, decent, affordable home helps

EDUCATION & EMPLOYMENT

- Secure specialized education services

1. A quality education is the single greatest predictor of a person's adult health.

LEGAL STATUS

- Resolve veteran discharge

1. Clearing a person's criminal history or helping

PERSONAL & FAMILY STABILITY

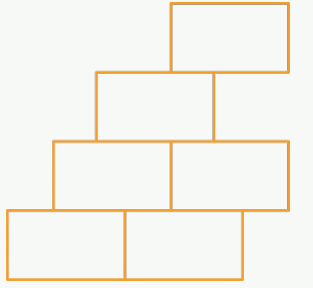
Safe homes and social support

- Secure restraining orders for domestic violence
- Secure adoption, custody and guardianship for children

1. Less violence at home means less need for costly emergency health care services.
2. Stable family relationships significantly reduce stress and allow for better decision-making, including decisions related to health care.

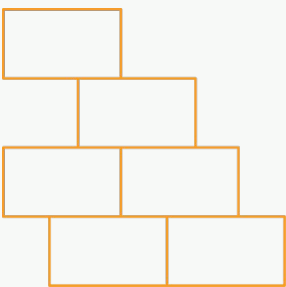


Who helps?



Healthcare Partners

- Health Clinics - CHCs, FQHCs
- Health Systems – Children & Adults
- Hospitals – Urban & Rural
- VA Medical Centers
- University Health Centers
- Local Health Departments

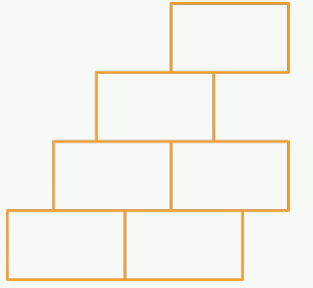


Legal Services Partners

- Legal Aid organizations
- Law School Legal Clinics

What does this look like with a CHC?

How do I start an MLP?



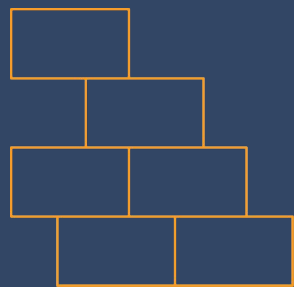
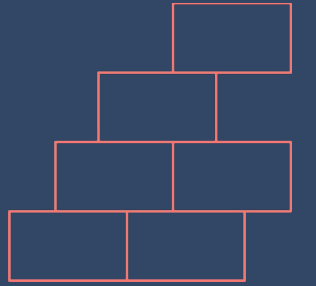
- Identify the target population
- Identify what organization provides legal services to that population
- Begin dialogue
- Look for resources to fund
 - Local or Regional Foundations for pilot
 - VA – models and funding options through VA funding streams (e.g, SSVF)
 - Other federal grants: VAWA for holistic legal care; HHS MLP+
 - State grants: Do you have relationships with state health agencies or legislators? Ohio MLP grant through Ohio Department of Health



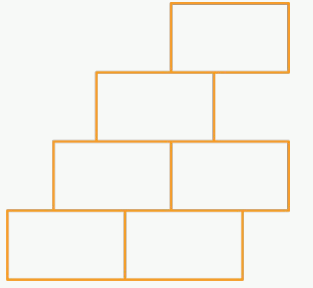


Any Questions?

Please use the Q&A function or Chat to post questions!



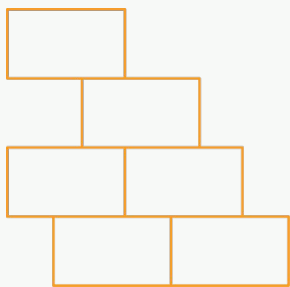
Upcoming Events



- **MLP Fundamentals Group Coaching Sessions: Information-Sharing and Privacy Essentials (Session 1 of 4)** – March 14, 2025, at 2 – 3:30 PM ET
- **Improving Maternal Health Access and Outcomes Through Medical-Legal Partnership** – March 20, 2025, at 2 PM ET
- **Getting the Funding You Need: Building Effective Relationships & Pitches** – Sessions will be held weekly on Wednesdays from April 2, 2025 through April 23, 2025 (11 a.m. – 12:30 p.m. PT / 2 p.m. – 3:30 p.m. ET)



Scan to register!



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THANK YOU!

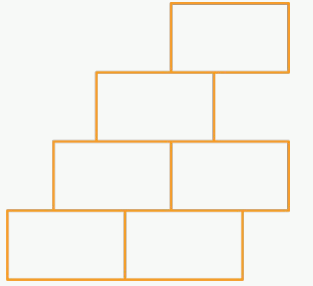
Please take a moment to complete our post-event evaluation survey!



<https://www.surveymonkey.com/r/H9RFFVP>

A link to the survey is also in the chat.





Contact us for Assistance

- ❖ MLP Resources: <https://medical-legalpartnership.org/resources/>
- ❖ Upcoming trainings: <https://medical-legalpartnership.org/learning-opportunities/>
- ❖ Sign up for our newsletter at <https://medical-legalpartnership.org/about-us/newsletter/>
- ❖ Email us at ncmlp@gwu.edu

