Peer Exchange

Sara Hayes, Director Jasmine Mah, Research Analyst

September 14, 2022 - 1-2 pm ET





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.

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Important Acronyms

- CHIP = Children's Health Insurance Program
- HSI = health services initiative
- SPA = State Plan Amendment
- CMS = Centers for Medicare & Medicaid Services



Agenda

- Guest speakers
 - Carin Speidel, Michigan Department of Health and Human Services
 - Cliff Mitchell, Maryland Department of Health
- Q&A
- Wrap-up and feedback



Carin Speidel Presentation

Manager, Lead Services Section

Michigan Department of Health & Human Services











LEAD SERVICES SECTION

A COMPREHENSIVE APPROACH IN NAVIGATING MULTIPLE FUNDING STREAMS FOR LEAD SERVICES

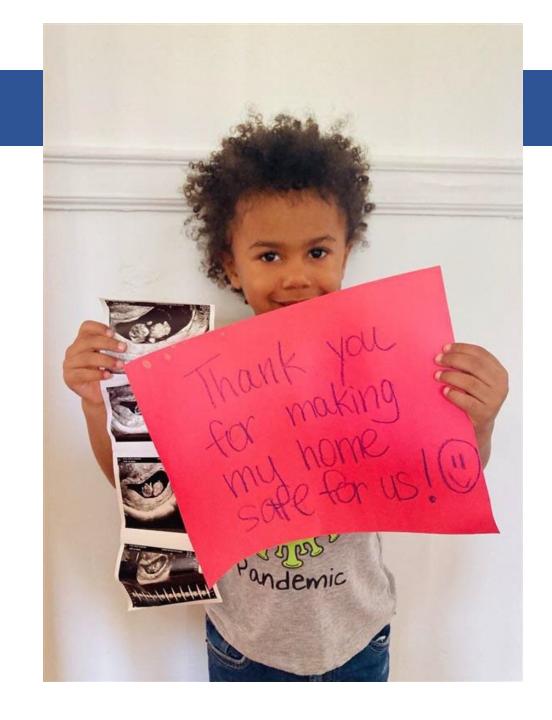




MEET JAIRUS!

Jairus' mom states, "It's benefited our household so much. Everything is more beautiful and safer. We sleep easier at night knowing our home isn't poisoning our son anymore. It's raised our dignity and self-esteem. We're more excited to have people over because the chipping paint has largely been fixed. We can know people are safe in our home now.

Testimony and photograph are used with written authorization from parent to MDHHS.



LEAD SERVICES SECTION (LSS)



Childhood Lead Poisoning Prevention Unit



Local Lead Services Development Unit



Lead Safe Home Principal Unit (Detroit and Statewide)



Lead Safe Home Flint Response Unit

LEAD CERTIFICATION & COMPLIANCE ASSURANCE SECTION (LCCA)



Certification and Enforcement Unit



Quality Assurance Unit

LEAD SERVICES SECTION



Improving the well-being of Michigan citizens by promoting safe and healthy environments through multifaceted child, health, and home-based intervention programs, which include public education, community outreach, and collaborations with state and national partners

LEAD SERVICES SECTION- WHERE WERE WE PRE-2016?



HUD Lead-based Paint Hazard Control Funding (Approximately 50 homes per year) 3 years, 10/15/15 to 10/14/18



General Funds (Approximately 206 homes per year) Annually, \$2.95 million

Units to be completed (pre-2016) Approximately 256 units per year

MEDICAID CHIP HEALTH SERVICES INITIATIVE (2016)

HSI- "... to fund lead abatement activities in eligible homes—owner-occupied, rental and residential structures—inhabited or visited regularly by Medicaid or CHIP-eligible children or Medicaid or CHIP-eligible pregnant women, both in Flint and other targeted communities throughout the State."

CMS approved Michigan's HSI SPA to use approximately \$24 million per year for six years to ameliorate lead risk by:

- 1) removing (or otherwise encapsulating) lead based paint and lead dust hazards;
- 2) removing and replacing plumbing surfaces or fixtures identified as lead hazards;
- 3) removing or covering soil lead hazards
- 4) pre- and post-abatement testing activities
- 5) Workforce training

LEAD SERVICES SECTION- WHERE ARE WE NOW?

Focusing on Services- Environmental Investigations and Abatement

- Medicaid Child Health Insurance Program (CHIP)
- State General Fund
- HUD

Goal: 500-600+ Homes
Abated Annually

LEAD SERVICES SECTION- PRIMARY ENVIRONMENTAL SERVICES

Finding Lead Hazards

Environmental Investigations- To identify lead exposure sources in homes, those surfaces or components considered hazards, to determine source of exposure or potential exposure.

- Dust
- Paint
- Soil
- Drinking Water
- Personal Items

Fixing Lead Hazards

Abatement- Measures to permanently eliminate lead-based paint hazards Interim Controls- Measures to temporarily reduce lead-based paint hazards

Family Support Services

Relocation during abatement Referral to wrap-around services

LEAD SERVICES SECTION- MEDICAID CHIP FUNDING

Tiered Implementation Model

Direct Service

- Services provided through internal MDHHS Lead Safe Home Program
 - High level of quality assurance
 - Substantial output/production

Community Development

- Services provided through external partners/communities, closely models HUD grantee concept
 - Innovative models (internal crews vs. external crews)
 - o Provides communities local control, local trust, local infrastructure development



Community Development Program (CHIP funded)

- Funding directly to communities to support local lead identification and abatement programs (later slide describes inclusion criteria)
- Annual, competitive Request for Proposal (RFP)
- Technical assistance to communities
- 30-40 Units/grantee per year (depending on model used)



Lead in Water Program (GF Funded)

- Pre-78 homes with children under 19 years of age, located in Action Level Exceedance (ALE)
 communities
- Grant Program (Free)
- Full Environmental Investigation only, Primary Prevention Effort



Lead Safe Home Program (CHIP, HUD, GF funded)

- Internal teams to provide and oversee Environmental Investigation and Lead Abatement
- Teams of Regional Field Consultants, Intake Coordinators and Family Services Coordinators
- Two Units: Principal and Detroit Response Unit, Flint Response Unit
- Safety response for EBL statewide
- Most often the team LHD will work with to facilitate environmental services.



Critical Engagement Outreach Project (CHIP Funded)

- CMS emphasis on enrollee engagement
- Development of enrollee engagement protocol
- Community-based organization for outreach
- Planned outreach- Medicaid enrollees, service line work
- Community Health Workers
- Coordination with other home visiting services



Lead Safe Home Daycare Program (GF Funded)

- Pre-1978 Michigan-licensed residential (In-home) daycares
- Pilot program
- Grant program (Free)
- Environmental Inspection and lead abatement
- Primary prevention effort



Lead Poisoning Prevention Fund (GF Loan Loss Reserve and private capital)

- Public-Private partnership
- Partnership with MISAVES to establish relationships with financial institutions to develop lowinterest loan products
- Any property owner statewide, of any income bracket, seeking lead services, but does not qualify for existing MDHHS or local HUD programs
- Kick-off April 2022



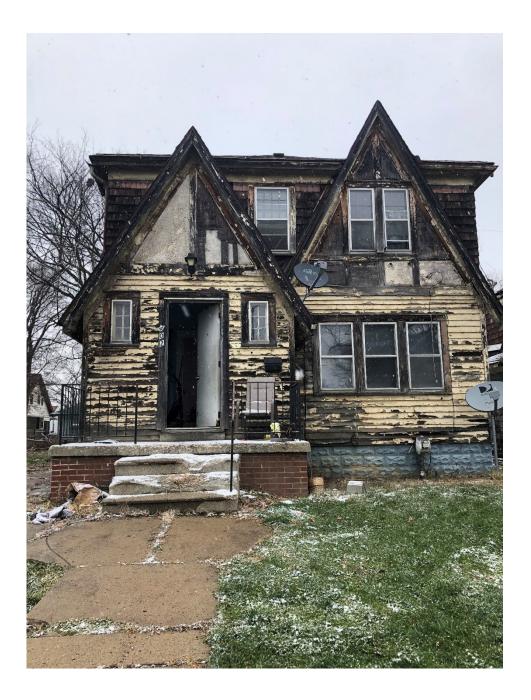
Workforce Initiatives

- Scholarship training (HUD, CHIP, GF Funded)
- Incentive program (CHIP, GF Funded)
- Workforce public campaign (GF Funded)
- Training specialist (Rob Williams)
- Weatherization collaboration discussion
- Local program collaboration (Flint STRIVE, Habitat for Humanity, Land Bank Authority) (CHIP, GF Funded)



Childhood Lead Poisoning Prevention Program (CDC, MCH Block, GF)

- Technical support to local public health
 - Nursing Case Management
 - Blood lead testing
 - Community Health Worker support
- Blood lead surveillance and reporting
- Local public health grants for education and outreach





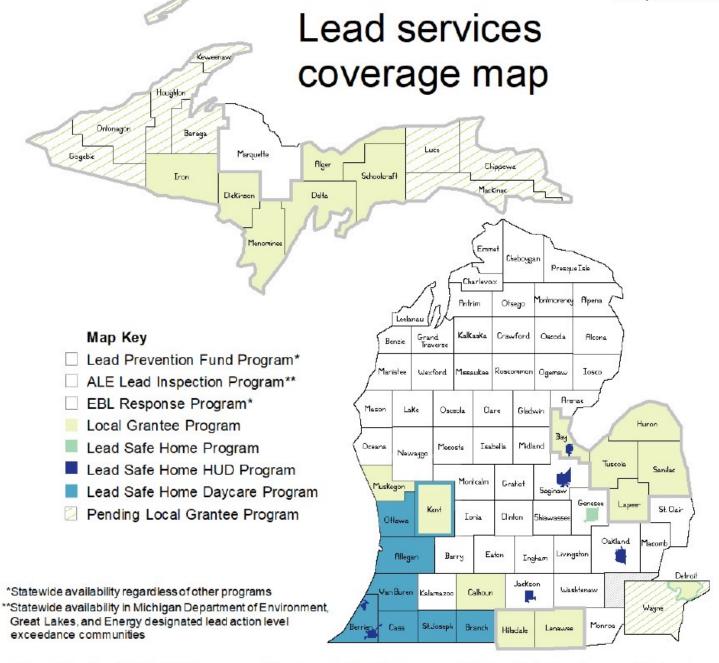




Services by Funding Source Lead Services Section

Lead Service		Funding Source						
	Lead Safe	Lead Safe	Lead in	Lead Safe	Lead Safe	Community	Lead	
	Home (GF)	Home	Water	Home	Home	Development	Poisoning	
		(HUD)	(GF)	(CHIP)	Daycare	(CHIP)	Prevention	
					Program		Fund	
					(GF)		(GF/Private)	
Environmental Investigation/LIRA	√	√	✓	√	√	√	√	
Lead Hazard Control: Paint, Dust, Soil	√	√		√	√	√	✓	
Water Sampling	√		✓	√	√	✓	√	
Lead Hazard Control: Faucet Replacement Only	✓			√	√	✓	√	
Lead Hazard Control: Any Plumbing	√			√	√	√	√	

Lead Prevention Fund Program	Statewide		
	Statewide in Michigan		
ALE Lead	Department of Environment,		
Inspection	Great Lakes, and Energy		
Program	designated lead action level		
	exceedance communities		
EBL Response Program	Statewide		
	Counties of Alger, Bay, Calhoun,		
	Chippewa, Delta, Dickinson,		
	Hillsdale, Huron, Iron, Kent,		
Local Grantee	Lapeer, Lenawee, Muskegon,		
Program	Menominee, Sanilac, Schoolcraft,		
	Tuscola		
	Cities of Detroit, Highland Park,		
	Hamtramck		
Lead Safe Home	Cities of Eliet Detroit		
Program	Cities of Flint, Detroit		
Lead Safe Home	Cities of Bay City, Benton Harbor,		
HUD Program	Jackson, Niles, Pontiac, Saginaw		
Lead Safe Home	Counties of Allegan, Berrien,		
Daycare	Branch, Cass, Kent, Ottawa, St.		
Program	Joseph, Van Buren		



LEAD SERVICES SECTION- WHERE ARE WE GOING?

- Blood Lead Testing
 - Recover from COVID-related drop in testing
- Workforce Development
 - Contractor Incentive Program enhancements
 - Continued scholarship training
 - Media campaign
 - Potential collaboration with MiWorks!
 - Potential collaboration with MI Community College Association
- Expansion of services
 - Lead Inspections for Elevated Blood Leads (LIEBL)
 - Lead Poisoning Prevention Fund (Loan Loss Reserve Program)
- Online module for home visitors
- Quality assurance tools for programs and professionals.
- Renovation, Repair and Painting rule adoption



LESSONS LEARNED- MULTIPLE FUNDING SOURCE IMPLEMENTATION

Planning

- Understand requirements, similarities, overlaps and differences between funding sources.
- Know where to find funding policies/requirements and order of precedence.
- Develop realistic and detailed work plans for each funding source, including timelines for implementation.
- Expect and properly plan for internal and external workforce shortages.
- Identify gaps within services and identify resources to fill those gaps, where possible.
- Develop clear programmatic policy and procedure documents and share with partners.
- Build strong quality assurance processes and controls.
- Get local partners involved. They know their own communities best.

LESSONS LEARNED- MULTIPLE FUNDING SOURCE IMPLEMENTATION

Implementation

- Develop a Central Intake Process.
- Ensure all team members understand the how and why behind the process.
- Be flexible in responding to problems- they will happen.
- Develop clear work plans and timelines.
- Anticipate workforce shortages (internal and external) and identify solutions early in process.
- Develop strong working relationship with state Medicaid program.
- Get communities involved.
- Develop clear documents for internal and external stakeholders to understand program requirements.
- Strengthen data collection methods to ensure new data collected and reported (MICLEAR).

Evaluation

- Evaluate, using quantitative and qualitative data and testimony for program quality improvement.
- Use findings from Quality Assurance Plans to build recommendations for improvements.

FUNDING COMPARISON

Function	HUD LBPHC Grant	Medicaid CHIP	State GF (Abatement and match to CHIP)	Lead Prevention Fund
Method to Secure Funding	NOFA- Intensive Grant Application	One time SPA Amended as needed through CMS	Budget Appropriation	Budget Appropriation
Assistance Type	Grant	Grant	Grant	Loan
Program Eligibility	 Child under six or pregnant person 80% Area-Median Income 	 Child under 19 years of age or pregnant person Medicaid- enrolled 	 Child under six or pregnant person 80% Area Median income MDHHS Waiver allowed 	Homeowner electing loanFinancial requirements
Application Processing	ApplicationIncome DocumentationPhoto ID Copy	Application	ApplicationIncome DocumentationMDHHS Waiver allowed	ApplicationIncome Documentation
Services Provided	Cost effectiveness- combination of abatement and interim controls	Emphasis on abatement when possible	Emphasis on abatement when possible	 Homeowner elects based on severity/priority of hazards and available credit

FUNDING COMPARISON

Function	HUD LBPHC Grant	Medicaid CHIP	State GF (Abatement and match to CHIP)	Lead Prevention Fund
Primary Prevention Level	Specific target areas only	 Flint, Detroit, All CDU funded communities 	HUD target areas only	Statewide
Secondary Prevention Level (EBL)	NoRestrictions in ER Public Notice Process	Statewide EBL Response	Statewide EBL Response Backup	Statewide
Allowable Hazards to be Addressed	Paint, Dust, SoilHealthy Homes 29 HazardsMinimal Rehab	 Paint, Dust, Soil, Drinking Water Minimal Rehab Roof Replacement (when impacting lead) 	 Paint, Dust, Soil, Drinking Water Minimal Rehab Health and Safety 	Paint, Dust, Soil,Drinking WaterMinimal Rehab
Cost Restrictions	• \$20,000 Lead/\$5,000 HH	• None	• None	Based on Homeowner profile
Reporting	Quarterly	• Monthly	• Annual	• TBD
Annual Output (Lead Hazard Control)	• 40-50 homes	• 500 homes	30 homes plus match to HUD units	No limit currently

FUNDING COMPARISON

- Mechanism to secure funding
- Eligibility requirements
- Application documentation
- Cost maximums
- Jurisdictional coverage
- Extent of work provided
- Public notice/Environmental review process
- Level of technical assistance provided

CONTACT INFORMATION

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Kudos to our funders! Michigan's children, thank you!

















Cliff Mitchell Presentation

Director, Environmental Health Bureau

Maryland Department of Health





Unlocking CHIP Funds for Home Health and Efficiency: Maryland's Health Services Initiative

American Council for an Energy-Efficient Economy HSI Webinar

Clifford S. Mitchell, MS, MD, MPH

Director, Environmental Health Bureau

September 14, 2022

Maryland's Health Services Initiative for Home Visiting and Lead Abatement

Disclosure

Dr. Mitchell has no conflicts to disclose.



Maryland's Evolving Approach to Healthy Homes

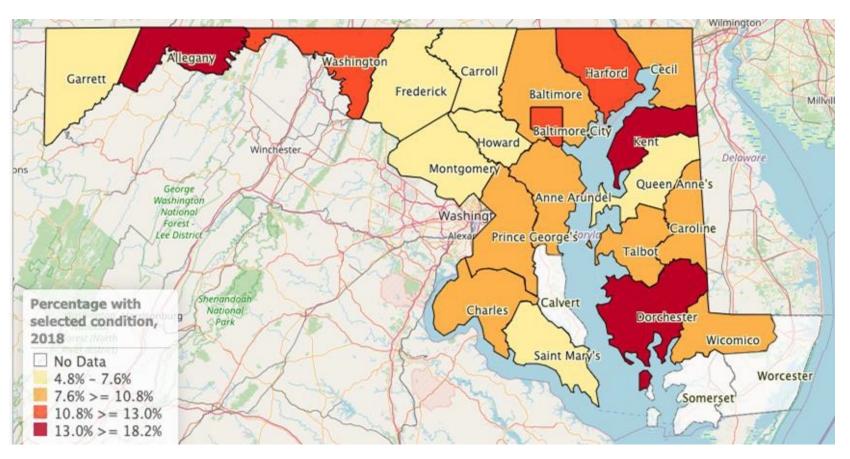
- Recognition that physical environment of the home can promote healthy childhood
- Working with families through home visiting, education, provision of durable materials, tests, resources to identify and abate hazards
- Multi-agency coordinated approach with Departments of Health, Environment, Housing and Community Development, and local health departments
- A comprehensive approach to multiple environmental hazards, including lead, asthma triggers, radon, and more



Epidemiology of Children's Health and Healthy Homes



Physician-Diagnosed Asthma Prevalence in Maryland by County, 2018

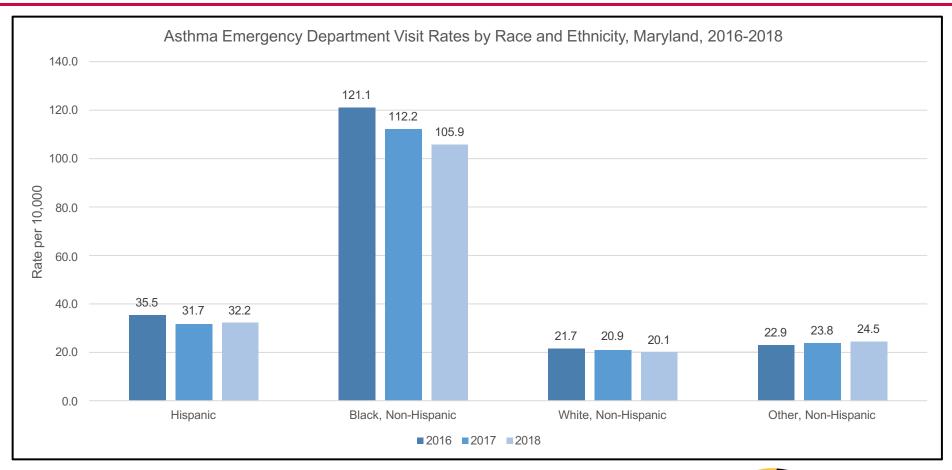


Source: Behavioral Risk Factor Surveillance System,

https://ibis.health.maryland.gov/query/result/brfss18/DXAsthmaNow/AgeAdj.html

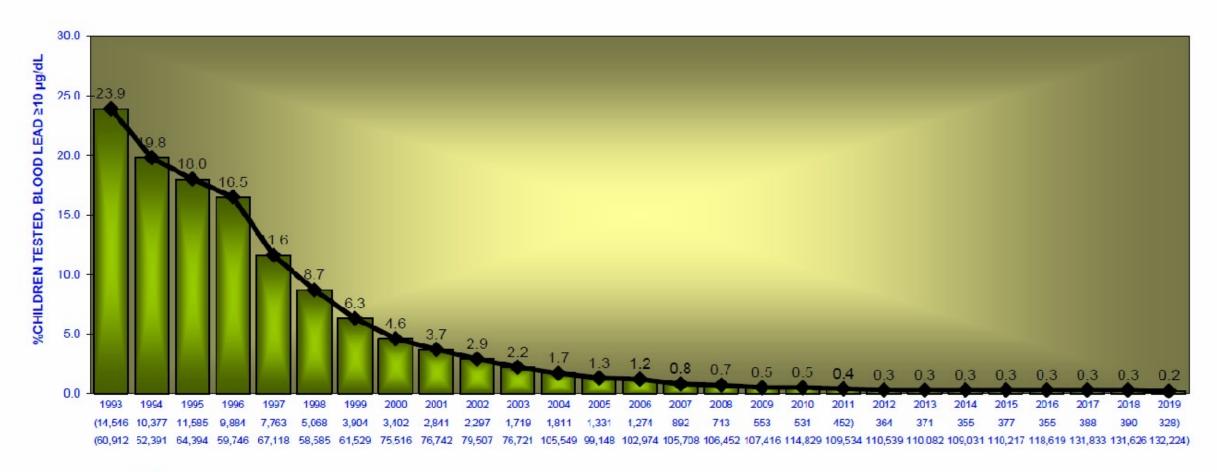


Recent Epidemiology of Asthma in Maryland





MARYLAND DEPARTMENT OF THE ENVIRONMENT CHILDHOOD BLOOD LEAD SURVEILLANCE STATEWIDE 1993-2019





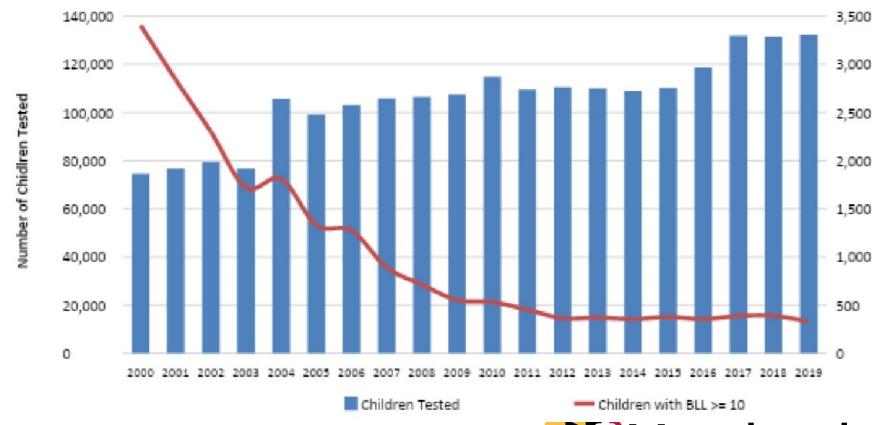
CALENDAR YEAR (Number of Children with BLL ≥10 μg/dL) (Number of Children Tested)



Recent Epidemiology of Lead in Maryland

- ❖ The number of children with elevated blood leads (≥10 µg/dL) has leveled off, despite more testing
- ❖ 257 new cases in 2019 of children with blood leads ≥10 μg/dL, and 902 new cases with blood leads of 5 − 9 μg/dL)

Number of Children 0-72 Months Tested for Lead and Number Reported to Have Blood Lead Level 10 g/dL: CY00-19



New Resources for Clinicians and Families



Maryland's New Health Services Initiative

Maryland Medicaid, Public Health Services, and the Department of Housing and Community Development (DHCD) have developed two new initiatives, using the Maryland Children's Health Insurance Program (MCHP):

Program 1: Healthy Homes for Healthy Kids – Lead Abatement

Program 2: Home Visiting Program for Children with Lead or Asthma

Center for Medicaid and Medicare Services approved the two programs as a Health Service Initiative (HSI) in the form of a State Plan Amendment to MCHP in June, 2017





Maryland's Health Services Initiative for Home Visiting and Lead Abatement

Healthy Homes for Healthy Kids

- Expansion of lead identification and abatement programs for low-income children through programs delivered by the Maryland Department of Housing and Community Development (DHCD).
- Eligibility: Children (< 19 years) who are:</p>
 - Enrolled in or eligible for Medicaid or MCHP;
 - Have a BLL of ≥ 5μg/dL; AND
 - Reside 10 hours or more in the property where the lead exposure is likely to have occurred











Innovative Approach to Financing Home Hazard Abatement

- Maryland Department of Housing and Community Development (DHCD) Lead Inspector and a contractor walk through the property with the lead report in hand Includes lead related and safety issues (including sanitary, liveability issues, etc.)
- A scope of work (SOW) is provided to DHCD within two weeks
- ❖DHCD breaks down the SOW between Lead/Lead related repairs; Energy Related measures, and essential repairs outside of the lead program. Inspector supplies a narrative to all aspects of the project
- Lead portion of the project is packaged and presented to multi-agency Committee for approval
- Lead portion approved; client is notified and explained the other opportunities available through DHCD to address non-lead related repairs that came up during the inspection
- Client applies and if deemed eligible for financing, the vendor is already in place with an approved proposal



Home Visiting Program for Children with Lead or Asthma

Expansion of county level programs to provide environmental case management and inhome education programs with the aim of reducing the impact of lead poisoning and asthma on low-income children

The program conducted by environmental case managers and community health workers seated in Local Health Departments (LHDs) and conducted in eleven counties



If your child has asthma or lead poisoning, a new Maryland can help . . for *FREE!*

DID YOU KNOW?

- **LEAD**: Lead can hurt your child's development and growth, and its effects can last a long time. Lead can get into your child from paint and other things in and around your home
- ASTHMA: Asthma attacks are a big reason for missed school days and missed work days for parents. Asthma attacks can happen because of things in the home, like dust, pests, mold, pets, and tobacco smoke

CHILDHOOD LEAD POISONING PREVENTION AND ENVIRONMENTAL CASE MANAGEMENT PROGRAM

Call Toll-Free: 866-703-3266

Email: mdh.healthyhomes@maryland.gov Visit: http://bit.ly/MDLeadAsthmaHelp

Maryland offers free visits to help make your home healthier. We can assist with helping you remove lead from your house and prevent asthma attacks in your children.

YOU ARE ELIGIBLE FOR OUR NEW FREE HOME VISITING PROGRAM IF:

- Your child has lead poisoning, has frequent asthma attacks, or both
- · Your child is 18 years old or younger and lives in Maryland
- · Your child gets Medicaid/MCHP or qualifies for Medicaid/MCHP





Home Visiting Program: Eligibility

Children (<19 years) must be:</p>

Medicaid /MCHP;

1. Enrolled in Medicaid or MCHP or eligible for

GARRETT

- Reside in one of eleven specific counties in Maryland; AND
- Have a diagnosis of moderate to severe asthma* AND / OR a BLL of $\geq 5\mu g/dL$.

*Utilizes standard clinical definitions of moderate to severe asthma by age group.



BALTIMOR

Home Visiting Program Services

- Each participating local health department (LHD) team consists of an environmental case managers and community health workers (CHWs)
- Protocol includes:

Enrollment

Asthma or Lead history module

- 3 6 home visits to assess environmental hazards, provide education, assess medication usage, work with family on goals to improve health outcomes
 - ✓ Provides free mattress and pillow covers, cleaning supplies, integrated pest management supplies, up to and including HEPA vacuum cleaner
- Goal is to work with and provide feedback to primary care providers



Benefits of Home Visiting Program

- CHW and case manager collect detailed information on home environment, family understanding of problem, medication, and establish goals
- Asthma action plan, improvement in symptoms and control, and reductions in triggers all discussed with family as potential goals
- Opportunities for primary care provider to have detailed understanding of home environment, work with LHD staff on goals with family, work cooperatively on reducing disease severity and improving outcomes
- Opportunities to provide additional relief to families in abating lead hazards through Healthy Homes for Healthy Kids

Referrals

* Referral can come from:

Primary care providers

Specialty care providers

Managed care and inpatient care coordinators

School-based health personnel, social services personnel

LHDs

Emergency departments

Emergency services personnel

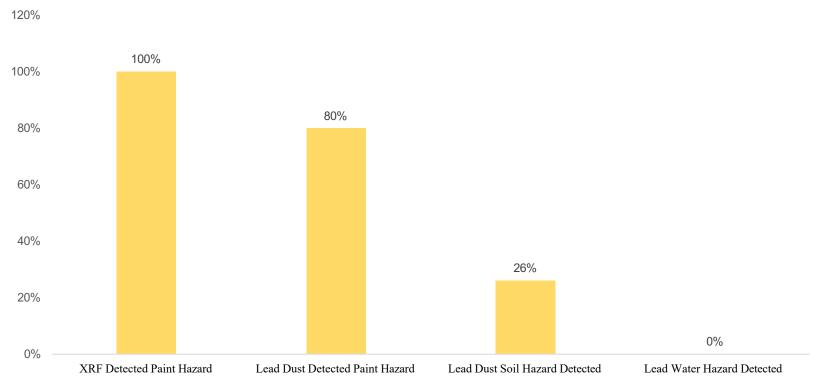
Parents/guardians

Social service agencies



Healthy Homes for Healthy Kids: Outcomes FY20, Q1

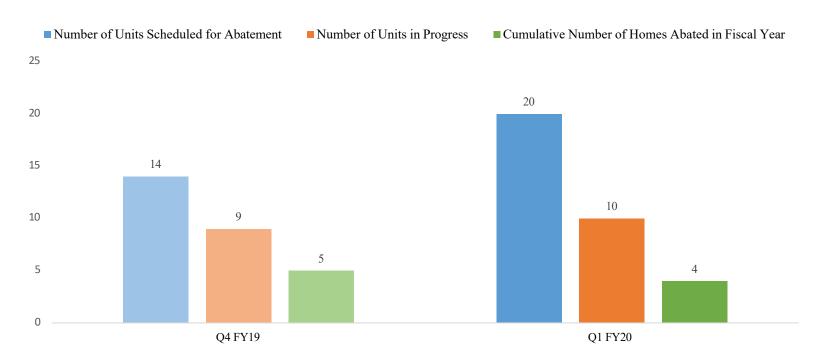
Hazards Identified through Inspection of Enrolled P1 Properties during Q1FY20





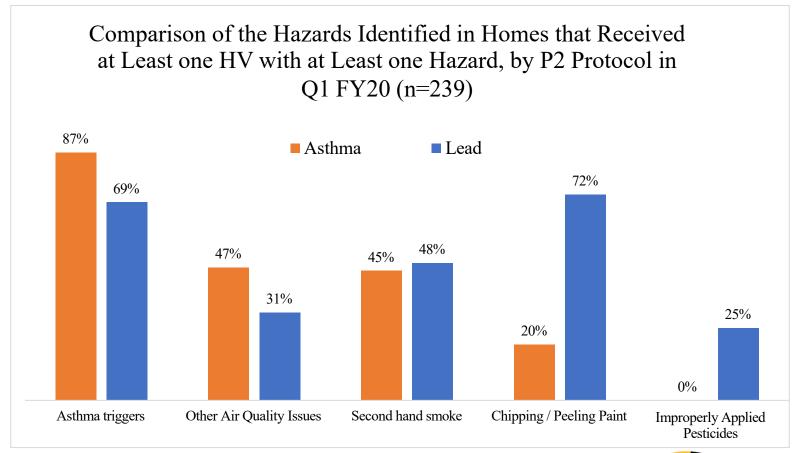
Healthy Homes for Healthy Kids: Units Abated

Pipeline of Homes Moving through the Abatement Process, Q1 FY20 Compared to Close of FY19



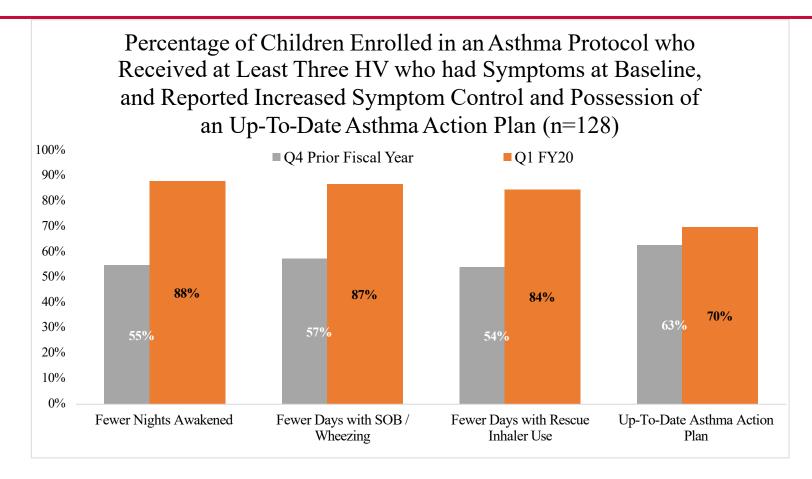


Home Visiting Program: Outcomes in FY20, Q1





Home Visiting Program: Outcomes





Take-Aways

- Maryland is expanding resources for clinicians, patients to improve housing conditions that can affect childhood health:
 - Home visiting programs in 9 jurisdictions (Baltimore, Baltimore City, Charles, Dorchester, Frederick, Harford, Prince George's, St. Mary's, Wicomico)
 Lead paint abatement services (no cost to family) through Department of Housing and Community Development
- The goal is to strengthen cooperation and communication between primary care community, public health, other points of contact to create a true community-centered medical home for the child



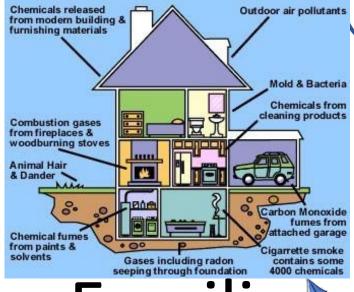
A Community Centered Medical Home

Managed Care Entities

Local Health Department

State Health Department

Primary Care Provider



Families

Pharmacy

School Health/ Childcare

Partner Agencies: MDE, DHCD, DHS, MSDE



Maryland's Health Services Initiative for Home Visiting and Lead Abatement

Resources

Maryland Department of Health

Lead Poisoning Prevention Home Page (https://phpa.health.maryland.gov/OEhfp/eh/Pages/Lead.aspx)

Asthma Home Page (https://phpa.health.maryland.gov/OEhfp/eh/Pages/asthma.aspx)

Healthy Homes for Healthy Kids and Home Visiting Programs

(https://phpa.health.maryland.gov/OEHFP/EH/Pages/CHIPEnvCaseMgmt.aspx)

Data -- Maryland Environmental Public Health Tracking (https://phpa.health.maryland.gov/oehfp/eh/tracking/Pages/home.aspx)

Environmental Health Help Line: 1-866-703-3266

mdh.healthyhomes@maryland.gov

❖ Maryland Department of the Environment

Center for Lead Poisoning Prevention Home (https://mde.maryland.gov/programs/LAND/LeadPoisoningPrevention/Pages/index.aspx)

Phone inquiries: 410-537-3825

Email: mdclr.mde@maryland.gov

Radon Program Home (https://mde.maryland.gov/programs/Air/RadiologicalHealth/Pages/radon.aspx)



Acknowledgments

❖Thank you to the following:

Green & Healthy Homes Initiative

Maryland Department of the Environment Childhood Lead Poisoning Prevention Program

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Q & A





Next Steps for this Cohort

- End of scheduled live webinars
- Email with all the resources
- Open invitation to stay in touch with ACEEE's Health & Environment team!



Submit your feedback!

ACEEE HSI Cohort 2022 Feedback Survey

Keep us updated on your HSI efforts! We want to know about your goals, progress, and successes.





Resources from today's session will be emailed to you.

Feel free to send questions, comments, or feedback to Jasmine at jmah@aceee.org.











