We are proud to present the successes and accomplishments of the first MCEH CoIIN cohort in increasing access to coordinated systems of care to address the needs of infants, children, and families due to lead exposure.
Through the Maternal and Child Health Bureau, the Maternal & Child Environmental Health Collaborative Improvement and Innovation Network (MCEH CoIIN) is a three-year grant led by AMCHP to build state capacity to improve systems of care to address the needs of maternal, infant and child populations that are at risk for or experience exposure to lead.

**Areas of Focus**

1. Increase the number of children that receive a lead screening test
2. Increase the number of children with confirmed elevated blood lead levels (BLL) that receive coordinated care in a medical home
3. Increase the number of providers following the CDC recommendations for follow-up of children with confirmed elevated blood lead levels
4. Provider education
5. Screening for pregnant women

**Who We Are**

A national collaborative of nine (9) multi-disciplinary state teams comprised of:

- Title V programs
- Childhood Lead Poisoning Prevention Programs
- Family Partners
- Environmental Health, Housing, Providers, Medicaid, etc.

**Our Process**

CoIIN Model
Quality Improvement
Technical Assistance
NEED TECHNICAL ASSISTANCE?

We're here to help!

The MCEH project leadership team can support your questions related to:

- Housing
- Family Partnership & Engagement
- Lead Policy
- Mothers & Pregnancy
- Financing

and much more!
Alabama
developed educational materials for providers to address issues related to following CDC recommendations for confirmatory/follow-up testing intervals, and addressing common errors in BLL testing & reporting. AL also created an environmental lead ad to educate on lead certified contractors, as well as magazine and clinic poster. AL continues to work with a social work manager to increase the number of lead affected children referred to care coordination and case management services.

Illinois
surveyed OBGYNs to identify areas to improve guidelines on Lead Risk Evaluation, Testing and Medical management for Pregnant Women. IL also developed a Pregnancy Poster, Physician Testing handout, and Lead Testing poster, and updated the childhood lead risk assessment. IL’s Early Intervention (EI) Services System Act was amended to provide automatic eligibility for EI services for children birth to 3 who have been exposed to a toxic substance, including lead.

Iowa
surveyed stakeholders regarding barriers to testing, outreach and educational needs, where kids are being tested (i.e. Primary Care, WIC, Health Department, etc.), testing rates and location for Medicaid vs. non-Medicaid children. IA also developed a Provider Report Card on lead testing for BLL ordered during 2013-2017 by physicians, and a Lead Poisoning Prevention Data Detail Sheet for inclusion in the 2021-2026 Iowa Title V Needs Assessment. IA also created maps of the percent of children tested by age 0-6, by county and year 2016-2018.
**State Accomplishments**

**Activities**

- **Screening & Testing**
- **Abatement**
- **Connecting Families to Resources**
- **Best Practices: Pregnant Women**
- **Education & Outreach**
- **Improve Reporting**
- **Policy Protocol Forms**

**Louisiana** continues to increase lead testing at WIC clinics and has tested over 700 children at their pilot site to date. LA continues to improve provider awareness and education by training 85 staff at the Excelth Health Care Services on the importance of testing children for lead and on the services provided by the Louisiana Healthy Homes and Childhood Lead Poisoning Prevention Program.

**Activities**

- **Screening & Testing**
- **Home Visiting**
- **Best Practices: Pregnant Women**
- **Update State Regulations**
- **Education & Outreach**
- **Improve Reporting**
- **Improve Processes, Data, Protocols**
- **Policy Protocols Forms**

**Michigan** developed a Lead-Free Michigan Toolkit with translations in Spanish, Arabic, and Bengali. MI also held an in-person statewide Nursing Case Management Training in September 2018. MI is working on an online provider module.

**Activities**

- **Screening & Testing**
- **Matching Data with Medicaid**
- **Education & Outreach**
- **Policy Protocol Forms**

**Missouri** has developed a SAS code to help decipher confirmatory test data. The MO team has also completed door to door outreach to 4 counties (250 bags to residents and 75 bags to Local Public Health Agency for distribution). Total outreach count so far: 1,300!
**State Accomplishments**

**Mississippi** reduced early intervention automatic eligibility, and increased collaboration with City of Jackson Housing Program and referral for services. MS also mapped areas of high lead exposure. MS continues to build coalitions with Early Childhood providers, Baby Cafes, Home Visitors, WIC nutritionists, OSHA Consultation Outreach, Family organizations, pharmacy residents, and oral health programs.

**Activities**
- Screening & Testing
- Connecting Families to Resources
- Matching Data with Medicaid Policy Protocols Form

**New Jersey** increased the number of children that received case management and services per CDC guidelines (NJ requirements include the CDC guidelines), and notifies providers of failure to screen according to NJAC 8:51A (universal screening law).

**Activities**
- Screening & Testing
- Abatement
- Home Visiting
- Improve Processes, Data, Protocols

**Pennsylvania** developed strong working partnerships with Head Start and local FQHC, ensuring coverage for uninsured children and increase lead screening rates. PA developed a risk assessment tool for Family Service workers at Head Start programs to screen for lead testing.

**Activities**
- Screening & Testing
- Education & Outreach
As part of the monthly CoLab narrative reports, state teams are asked to report on their progress towards improvement using a self-assessment scale. The assessment scores ranging from 0.5 indicating “intent to participate” to 5.0 states are performing “outstanding sustainable results.” To date, the CoILN cohort average assessment of progress is rated at 2.8. A score of 3.0 indicates, “modest improvement.” This marks a significant progress from baseline, where the average Learning and Action Network (LAN) Assessment was scored at a 1.7 indicating, “planning for project has begun,” where state teams have studied the change framework.
Resources & Products

The following resources have been developed specifically for the MCEH CoIIN state teams as part of this project. More partner and state resources are available on CoLab.

Public web page for MCEH CoIIN

Key CoIIN Documents:
• Orientation Packet & Charter
• Key driver diagram
• Change Package
• Measurement Strategy

Environmental Health Policy & Assessment Resources (NEHA):
• Sample Guidance for Developing Environmental Health Lead Policies
• Environmental Health Lead Assessment for MCEH CoIIN

Case Studies (NASHP):
• Indiana’s Experience: Medicaid and CHIP Levers to Promote Lead Screening and Treatment
• Rhode Island’s Strategies: State Levers to Promote Lead Screening and Treatment

Lead Screening and Treatment Policy Resources (NASHP)
• Inventory of state health care delivery policies that promote lead screening and treatment for children and pregnant women
• Guide to Using Health Services Initiative to Prevent Lead Poisoning Among Low-Income Children
• Maps illustrating how states are promoting lead screening and treatment

Web Resources on Guidelines for Lead Exposure for Mothers and Children (Mother to Baby):

Blogs, Webinars, Conferences, and more:
• Highlighting AL’s team and family story: NICHQ’s blog post and AMCHP’s PULSE Plus
• The ASTHOExperts blog on Rhode Island Coordinates Statewide Efforts to Address Lead Exposure in Maternal and Child Health Populations
• ASTHOConnects webinar on “Lead Exposure and Impacts on Early Brain Development” featuring the Illinois team
• Inequities in Housing and Lead Exposure: Breaking the Link - AMCHP PULSE article by Green & Healthy Homes Initiative

AMCHP 2019 Conference Sessions
• Environmental Health Partnerships to Reduce Child and Maternal Lead Poisoning in Communities Across the US (featuring AMCHP, NEHA, and the LA state team)
• Strengthening Quality Improvement and Innovation through Family Engagement in Collaborative Improvement and Innovation Networks (CoIINs) (featuring the LA MCEH CoIIN team and teams from the ECCS and Children with Medical Complexity CoIINs)

NEHA 2019 Annual Educational Conference
• Environmental Health Partnerships to Reduce Child and Maternal Lead Poisoning in Communities around the US (Featuring the MI, LA, and NJ CoIIN teams)

For more information, check out our website @ http://www.amchp.org/programsandtopics/CHILD-HEALTH/projects/Pages/Lead.aspx