

MARION COUNTY PUBLIC HEALTH DEPARTMENT

**YEAR 3
END-OF-YEAR
REPORT**

04.01.2024 - 09.29.2024

**CHILDHOOD LEAD POISONING PREVENTION AND
SURVEILLANCE OF BLOOD LEAD LEVELS IN
CHILDREN**

Prepared by

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Evaluation Team

for

Marion County Public
Health Department
Childhood Lead
Poisoning Prevention
Program

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Introduction

The Marion County Public Health Department's (MCPHD) Lead Poisoning Prevention Program (LPPP) addresses childhood lead exposure within the Marion County community.

This program is dedicated to eliminating childhood lead exposure as a public health problem through strengthening blood lead testing, reporting, surveillance, and ensuring exposed children are linked with recommended services.

Within this program, there are 16 specific activities MCPHD has developed to focus on decreasing childhood lead poisoning in Marion County. These activities are continually tracked by an outside evaluation team at Marian University and reported on biannually. The CDC grant that supports this program runs on a yearly calendar from 09.30-09.29. This report focuses on the second half of grant year 3, 04.01.24-09.29.24.

Year 3 End-of-Year Report of Lead Poisoning Prevention Activities

Development of a Countywide Advisory Committee

Ongoing efforts in childhood lead poisoning prevention include regular meetings with the Lead Coalition of Indiana. This coalition is chaired by Jocelyn Keranen, Director of Environmental Health of the Hoosier Environmental Council. Meetings are held monthly, resulting in MCPHD LPPP having met its annual goal of four meetings per year.

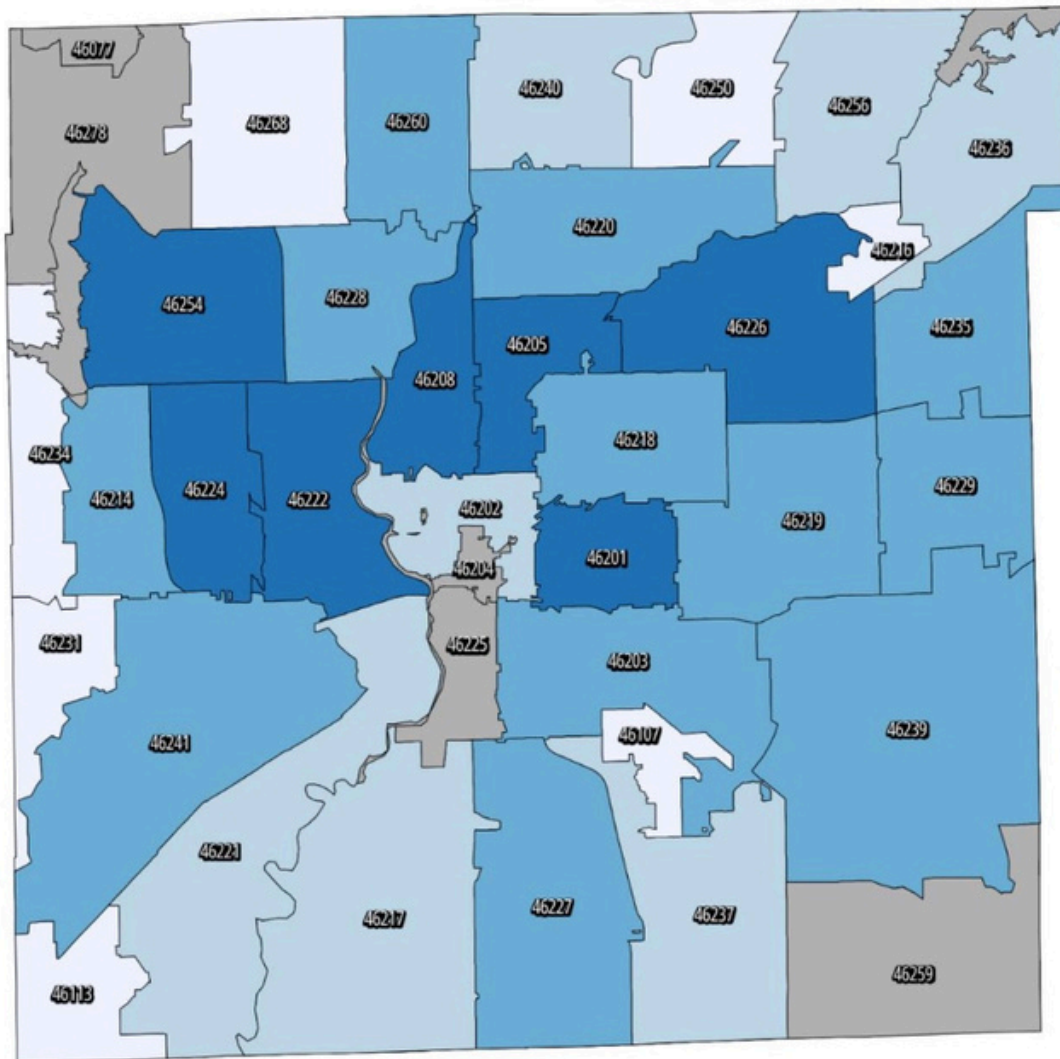
Target	Outcomes
4 meetings per year	Meetings occurred on: 04/26/24 06/28/24 07/26/24 08/23/24 09/27/24

Surveillance Maps and Targeted Activities

Regularly updated Elevated Blood Lead Level Surveillance Maps are used to identify "hot spots" and conduct targeted outreach to identified communities. The most recent map below illustrates "hot spots" where lead prevention activities were focused in the second quarter of the 2024 calendar year, which coincides with the third quarter of year 3 project activities. The map shows that the ZIP codes of primary focus were 46254, 46224, 46222, 46208, 46205, 46226, and 46201. Additional areas of concern were ZIP codes 46260, 46228, 46220, 46214, 46235, 46218, 46219, 46229, 46241, 46227, 46203, and 462

Target	Outcomes
Use the regularly updated Lead Surveillance Maps to identify "hot spots" and conduct targeted outreach to identified communities	ZIP codes with concerning numbers of lead poisoned children identified for prevention outreach activities include: 46260 46254 46228 46220 46214 46224 46222 46208 46205 46226 46235 46218 46201 46219 46229 46241 46227 46203 46239

2024 - 2ND QUARTER ELEVATED BLOOD LEAD LEVEL(BLL) SURVEILLANCE MAP (BY ZIP CODE FOR MARION COUNTY, INDIANA)



Map Created 09/30/2024. Source: HHC GIS 0307317

2024 Calendar Year Quarter 2 Elevated Blood Lead Levels Surveillance Map
Source: Elizabeth Bowman, MPH (MCPHD epidemiologist)

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Healthy Families & Indiana Latino Roundtable

MCPHD LPPP continues to focus outreach activities with the Indiana Latino Roundtable (ILR) to educate partners and decrease disparities in blood lead levels in their communities and to provide a referral network. Activity will be discontinued as of year 4 due to conflicting schedules during year 3.

Target

Outcomes

1 new event, 3 events in total

Activity will be discontinued as of Year 4 due to conflicting schedules.

National Association for the Advancement of Colored People (NAACP)

MCPHD LPPP works in conjunction with the NAACP to develop and promote policies to address public health funding for lead exposure, educational services, and housing support in Marion County and in Indiana overall. Public health policy development is founded upon the strategic engagement of stakeholders, ultimately leading to policy implementation if successful. Gaining success in this area is historically a long-term process; this is most certainly the case for public health in Indiana, ranked 47th in public health funding nationwide (Governor's Public Health Commission, 2023). Pursuit of this goal is ongoing.

Target

Outcomes

1 policy proposal identified

Document with justification for policy proposal.

Memorandum of Understanding (MOU) Development

This program goal was to develop an MOU with Managed Health Services (MHS); this was completed in year 1. No new MOUs are under development.

Target	Outcomes
Completed MOU with MHS	No new updates. Program goal achieved.

Provider Report Card Updates

The report cards inform providers about their lead testing compliance rate for Medicaid-eligible children as required by law. Data is reported one quarter in arrears; therefore, data found in the current report provides the compliance rate from Q4 of calendar year 2023, 66% (which coincides with Q1 of grant year 3) and Q1 of calendar year 2024, 63% (which coincides with Q2 of grant year 3). The year 3 average percentage was 64.5%. Outreach efforts have increased in accordance with the new universal testing law that went into effect on January 1, 2023.

Target	Outcomes
55% compliance	The average percentage for year 3 was 64.5% Testing rate collected in 04.2024 for Q4, 2023: 66% Testing rate collected in 07.2024 for Q1, 2024: 63%

Television Programming

A goal to utilize Á Tu Salud television programming spots to increase awareness within the Spanish-speaking community about lead exposure hazards and community resources was created. A contract has been executed to air commercial spots. This contract is currently in effect with 11 spots being aired per week. All spots do not speak specifically to lead exposures but also address other Healthy Homes department educational topics.

Target

Average 1-2 spots per week

Outcome

11 spots per week, over 26 weeks, resulting in 286 commercial spots

Non-Reporting Point of Care Service Providers

To ensure that lead-poisoned children are identified across the care continuum, a goal was developed to share all non-reporting point of care service providers to the Indiana State Department of Health (IDoH) for follow-up. This is an ongoing goal for year 3; 1 new instance of non-reporting providers was identified between 04.01.24 and 09.29.24.

Target

Identify and report 100% of non-reporting point of care service providers to IDoH for follow-up

Outcomes

1 new non-reporting point of service providers identified from 04.01.24-09.29.24

Referrals to the REACH Program

This program strategy to reduce lead poisoning in children is comprised of two parts: (1) refer children to REACH program; (2) add case management standard operating procedures for this population. As of 04.01.24, 8 new children had been referred to REACH. Development of case management procedures has been identified as a Continuous Quality Improvement (CQI) project and has been completed, pending final approval.

Target	Outcomes
Refer 10 eligible children to REACH program. Develop case management procedures	8 additional children referred between 04.01.24 and 09.29.24.

Coordinate Blood Lead Testing in Schools and Childcare Facilities for Children Six Years and Younger

The goal for this measure is to provide increased blood lead testing in schools and childcare facilities in Marion County. Data is continually updated with the schools and facilities tested as well as the number of children tested at each site. Testing at schools and childcare facilities provides an additional avenue for testing other than physician offices. A total of 593 lead tests have been given in schools and childcare facilities.

Target	Outcomes
Target for next grant year with reflect blood lead testing in schools and childcare facilities	X342-Daycare-LD - 35 X4042-IPS # 42-LD - 9 X440-Hdstrt-CR-LD - 1 X444-Hdstrt-SW-LD - 68 X445-Hdstrt-SE-LD - 94 X446-Hdstrt-SC-LD - 106 X447-Hdstrt-SEehs-LD - 34 X449-Hdstrt-Caf#-LD - 70 X454-Hdstrt-SvcC2-LD - 47 X464-HdstrtPikePI-LD - 64 X465-HdstrtEagled-LD - 60 X633-ParamountCHS-LD - 5 Total: 593

Refer Eligible Homes to Home Repair Program

A program goal is for lead inspectors to refer eligible homes to the City of Indianapolis Home Repair programs, Indiana Community Action Association (IN-CAA), Federal Housing and Urban Development grants (HUD), and the Indiana Department of Health's Lead Repair Program. As of 09.29.24, 20 identified eligible homes were referred to home repair programs.

Target	Outcomes
50% of identified homes referred to home repair programs (changed for the following year to reflect numerical data rather than percentage)	20 applications have been sent out as of 09.29.2024 9 applications in Q3, 11 applications in Q4

Lead Information Dissemination in Newsletter

An additional program outreach goal is to include lead hazard information in newsletters distributed to 2,500 individuals monthly. Currently, there are not 2,500 individuals on the mailing list for the newsletter. A CQI project was recently created and is ongoing to increase the number of individuals the newsletter is distributed to monthly. For the current mailing list, Mission Unleaded information was included in 6 newsletters (monthly) during quarters 3 and 4 of year 3.

Target	Outcomes
Newsletter contains lead messaging	6 newsletters including Mission Unleaded information have been sent out as of 09.29.24

Outreach to Refugee Resettlement Partners

To reach relocated individuals who are at higher risk for lead exposure, MCPHD provides outreach, training, and education to refugee resettlement partners.

Target	Outcomes
Conduct 1 outreach, training, and education opportunity with refugee resettlement partners	Working with the Immigrant Welcome Center to have lead related flyers translated into other languages

Children Tested at Foreign-Born/Refugee Health Clinic

Further efforts to reduce childhood lead poisoning include the provision of blood lead testing at the Marion County Foreign-Born/Refugee Health Clinic. Year 3 target calls for a 10% increase over the baseline, although no baseline has been clearly established.

Target	Outcomes
10% increase above baseline for those who are eligible (changed for the following year due to lack of baseline)	188 0-6 yr children tested 304 7-16yr children tested

Sustainability Plan

A goal of the program is to develop a sustainability plan in an effort to ensure that lead prevention activities will continue. A sustainability plan framework has been identified: the 9-domain public health programming framework defined by Schell et al. (2013). Utilizing this framework, focus groups are conducted yearly to assist in developing this plan. Written results of the focus group are to come.

Target

Outcomes

Introductory steps taken

Second focus group held discussing domains of sustainability

Point of Care Service Providers

Program staff maintain a countywide registry of in-office testing sites and point of care screening. As of 09.29.24, this activity is complete.

Target

Outcomes

100% of countywide locations of in-office testing sites and points of care screening identified and added to registry

Activity complete, with catalog in use

References

Governor's Public Health Commission. (2023). A state of investment in local public health. Available from <https://www.in.gov/health/about-the-agency/boards-and-commissions/gphc/>.

Schell, S. F., Luke, D. A., Schooley, M. W., Elliott, M. B., Herbers, S. H., Mueller, N. B., Bunker, A. C. (2013). Public health program capacity for sustainability: A new framework. Available from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3599102/>.