

The LeadADVISOR

A Project of Mission Unleaded and Lead-Free Indy

Health and Hospital
of Marion County
Marion County
Health Department
Deliveries
Desembarques de Mercancia
Employee Parking →
Estacionamiento para
Los Empleados
3838 North Rural Street
Indianapolis, Indiana 46205


HEALTH AND HOSPITAL
CORPORATION
OF MARION COUNTY


MARION COUNTY
HEALTH DEPARTMENT
Making a difference


NO SMOKING
VIOLATION \$100
NO SHORT-TOES
SPEED
LIMIT
10

Who are we?

Lead-Free Indy is a community partnership aiming to prevent childhood lead exposure, organized by the Marion County Public Health Department and Indiana University Indianapolis. Lead-Free Indy works to help create an action plan to address efforts and create conversations around lead exposure.





Background

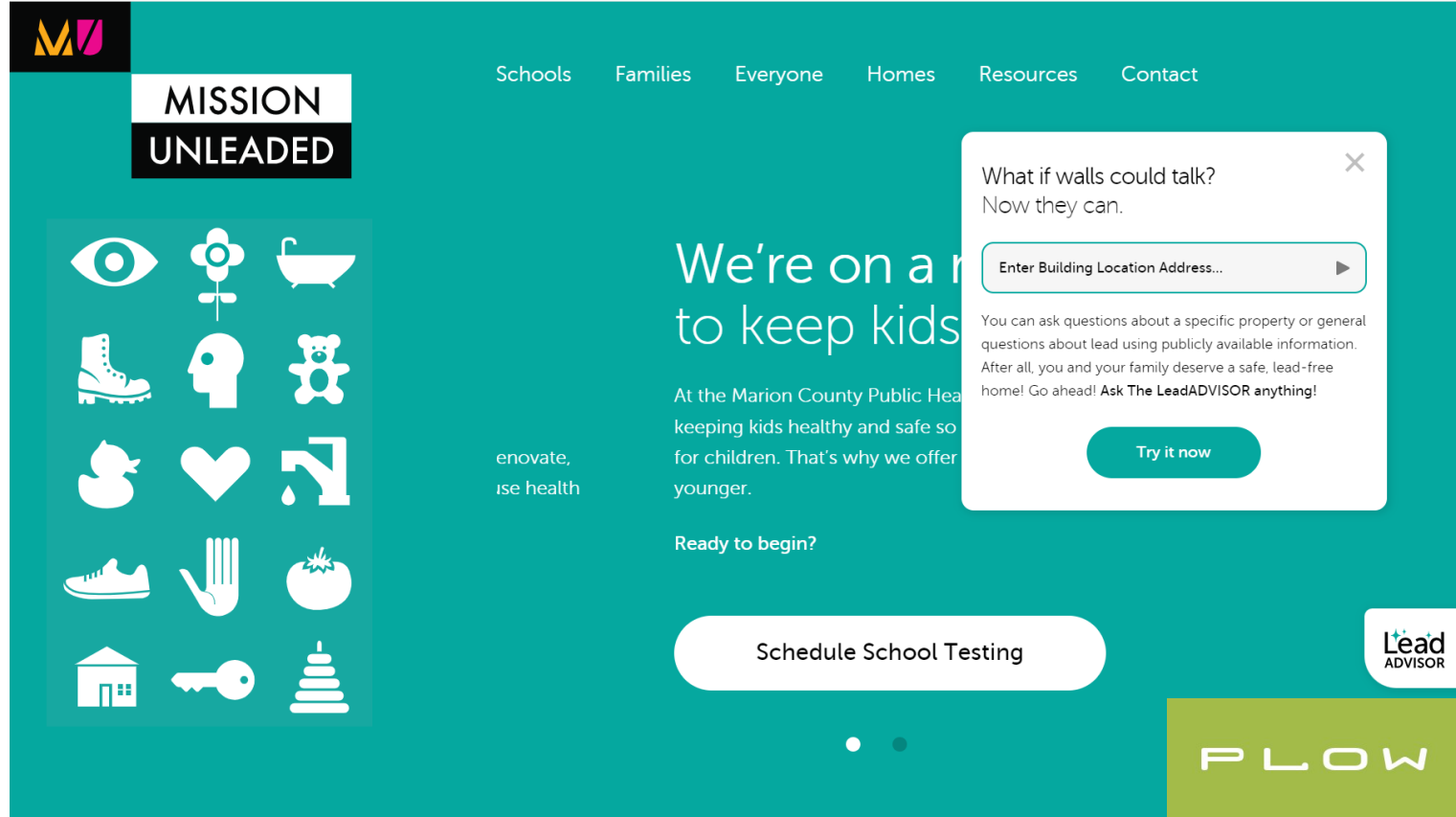
Gaps in Lead Poisoning Prevention

- Health Department focus on secondary prevention
- Healthy housing availability limited
- Lack of community engagement/Strong partnerships
- Lack of transparency
- Funding and policies
- Organizational capacity

A Solution: The LeadADVISOR

What is it?

The LeadADVISOR utilizes AI based technology with the aim to make data easily available and easy to understand increasing accessibility and transparency in housing data to empower citizens to seek and demand healthy housing



FLOW

LEAD TESTING DATA

- Lead levels in soil, dust, and water
- Sampling methods used
- Potential lead sources

LEAD INFORMATION

Health Advisories

- Risk information

Mitigation Guides

- Exposure reduction

Environmental Assessments

- Contamination sources

FAQs and Fact Sheets

- Common questions

Instruct OpenAI on
Lead Knowledge



AI Assistant

Lead
ADVISOR

AI Interaction



Lead Information Challenges

Public Health Reports

- Difficult to interpret complex data.

Lead Sources

- Identifying exact sources of contamination.

Testing Methods

- Varied methodologies and inconsistent data formats.

Health Risk Assessments

- Understanding potential health impacts.

Legal Guidelines

- Navigating complex regulations and thresholds.



AI Training Applications

Language Assistant

- Explains reports in simple terms.

Lead Guide

- Guides users on potential contamination sources.

Data Formatter

- Standardizes and normalizes testing data.

Health Interpreter

- Clarifies health risks and implications.

Regulation Navigator

- Simplifies legal thresholds and guidelines.

Personal Insight Generator

- Tailors information to specific locations.

Action Advisor

- Suggests strategies to mitigate lead exposure.

<https://missionunleaded.org/>

FLOW

Goals of the LeadADVISOR

Transparency

Make lead inspection data easier to find and understand

Empower Communities

Motivate residents to learn the status of a property before moving in, demand healthy housing, and advocate

Policy

Guide community interest and advocacy in healthy home issues and policy solutions

Extending the Work

Addition of Maps

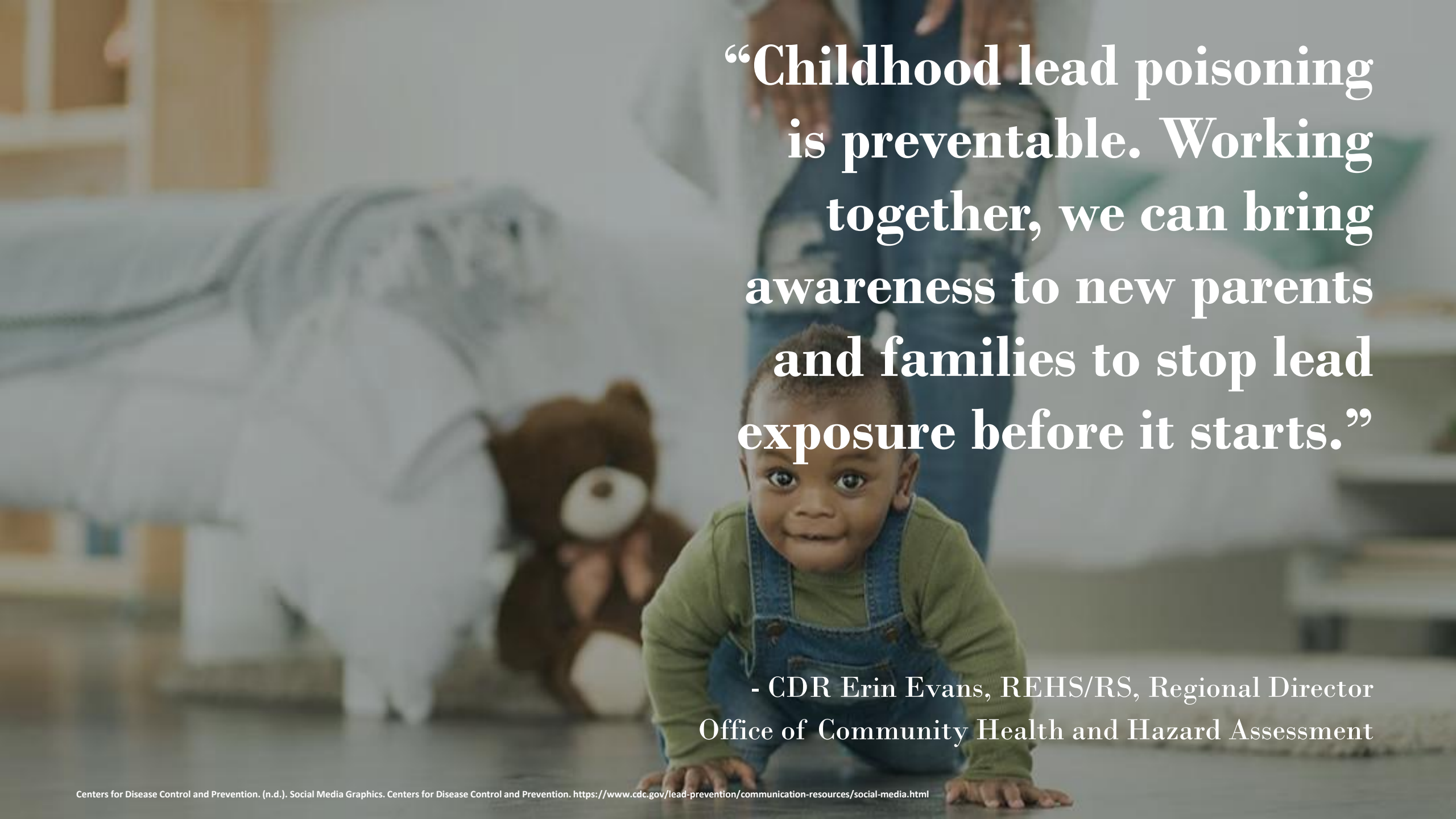
Addition of maps of addresses with inspections and risks data

Marketing

Usage of community meetings, social media, and advertising campaigns to gain usage, trust, and feedback

Community Organizing

Organize communities around environmental issues

A young child with dark skin and curly hair is crawling on a light-colored floor, looking directly at the camera with a slight smile. The child is wearing a green long-sleeved shirt under blue denim overalls. In the background, a brown teddy bear sits on the floor, and a person's legs in blue jeans are visible, suggesting a parent or caregiver nearby. The scene is set in a brightly lit room with a white wall and a wooden chair partially visible on the left.

**“Childhood lead poisoning
is preventable. Working
together, we can bring
awareness to new parents
and families to stop lead
exposure before it starts.”**

**- CDR Erin Evans, REHS/RS, Regional Director
Office of Community Health and Hazard Assessment**



Conclusion

The Need for Innovation

Lead poisoning prevention needs more work at the primary prevention level through making data accessible, organizing, and testing homes and not only children.

Questions?

Thank You!

