

You have arrived at:

Get the Lead Out: *Strategies for Protecting Children's Health and Communities*



EPA MID-ATLANTIC REGION 2022 SUMMIT
Working Together to Build a Better, More Equitable Region

Welcome!

We will get started
soon.

Friendly Reminders Before We Get Started

Please **mute yourself** and **turn off your webcam** during presentations.

If you encounter technical difficulties during the meeting, you can:

- ✓ Put a request for help in the chat
- ✓ Call in to the meeting at +1 551 285 1373;
Meeting ID: 161 872 4960
- ✓ Email Lauren Harris Harris.Lauren@epa.gov

This session is being recorded and will be made available after the summit.

Facilitators

Cynthia Burrows, EPA R3 OCR

Kyle Zieba, EPA R3 OPA

Presenters

Noelle Watanabe EPA R3 LCRD

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Jeffrey Young City of Reading, PA

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Overview

- Introduction
- EPA's Lead Strategies
- Lead and Copper Rule Revisions Update
- Community Discussion with City of Reading, PA
- Outreach Best Practices

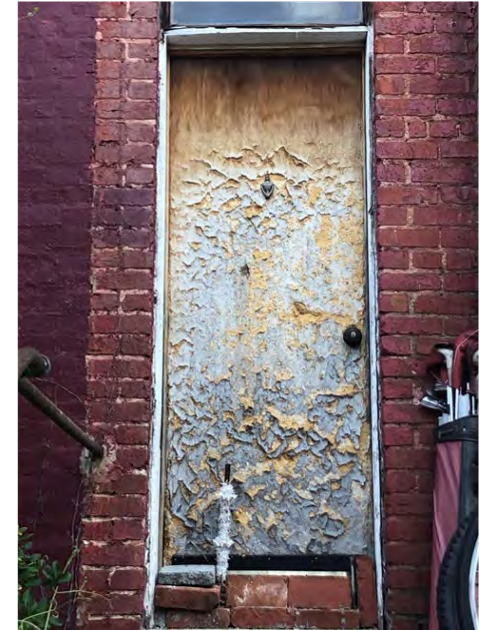
- Polls & Q&As

Introduction – What is Lead?



Lead can be found in all parts of our environment:

- Air
- Soil
- Water
- Inside our homes



Introduction - Lead Health Effects

- There is no known safe level of exposure to lead.
- Certain groups are more vulnerable than others to lead's harmful effects, including young children under the age of six and pregnant women.
- **Childhood lead exposure and lead poisoning is preventable.**

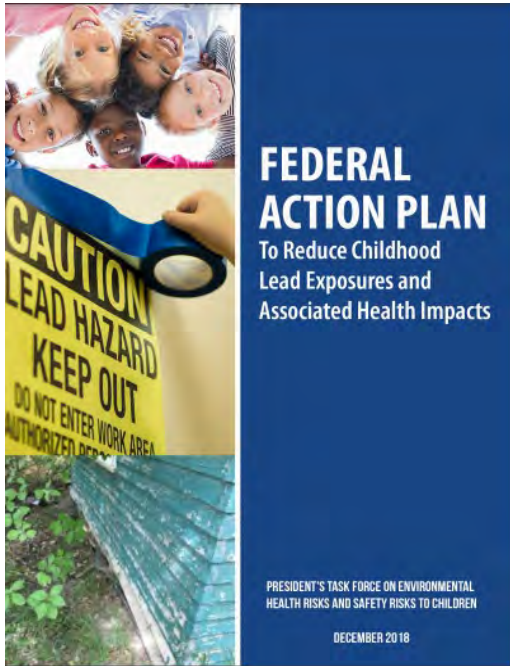


Photo by Chien Pham on Unsplash



Photo by Arteida Mjeshtri on Unsplash

EPA's Lead Strategies



4 Key Goals

- Goal 1: Reduce community exposures to lead sources
- Goal 2: Identify communities with high lead exposures and improve their health outcomes
- Goal 3: Communicate more effectively with stakeholders
- Goal 4: Support and conduct critical research to inform efforts to reduce lead exposures and related health risks

3 New Approaches

- Approach 1: Reduce lead exposures locally with a focus on communities with disparities and promote environmental justice
- Approach 2: Reduce lead exposures nationally through protective standards, analytical tools, and outreach
- Approach 3: Reduce lead exposures with a “whole of EPA” and “whole of government” approach

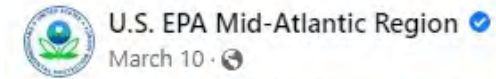
The 2018 Federal Action Plan, 2021 EPA Draft Lead Strategy, and EPA's Strategic Plan for Fiscal Years 2022-2026 are available to read on EPA's website www.epa.gov.

EPA Mid-Atlantic Region

“EPA wants to engage communities and stakeholders as we continue developing our draft Lead strategy,” said EPA Mid-Atlantic Regional Administrator Adam Ortiz.

Ways to engage:

- Share information
- Provide technical assistance
- Coordinate outreach
- Collaborate with partners and stakeholders
- Take actions to achieve local goals



Yesterday, U.S. EPA Mid-Atlantic Region hosted a listening session to collect verbal input on EPA's draft Lead Strategy. We'd like your input on U.S. Environmental Protection Agency's Strategy to Reduce Lead Exposures and Disparities in U.S. Communities. It's not too late to submit a written comment – the comment period is open until March 16, 2022: <https://www.regulations.gov/docket/EPA-HQ-OLEM-2021-0762>



Poll Question

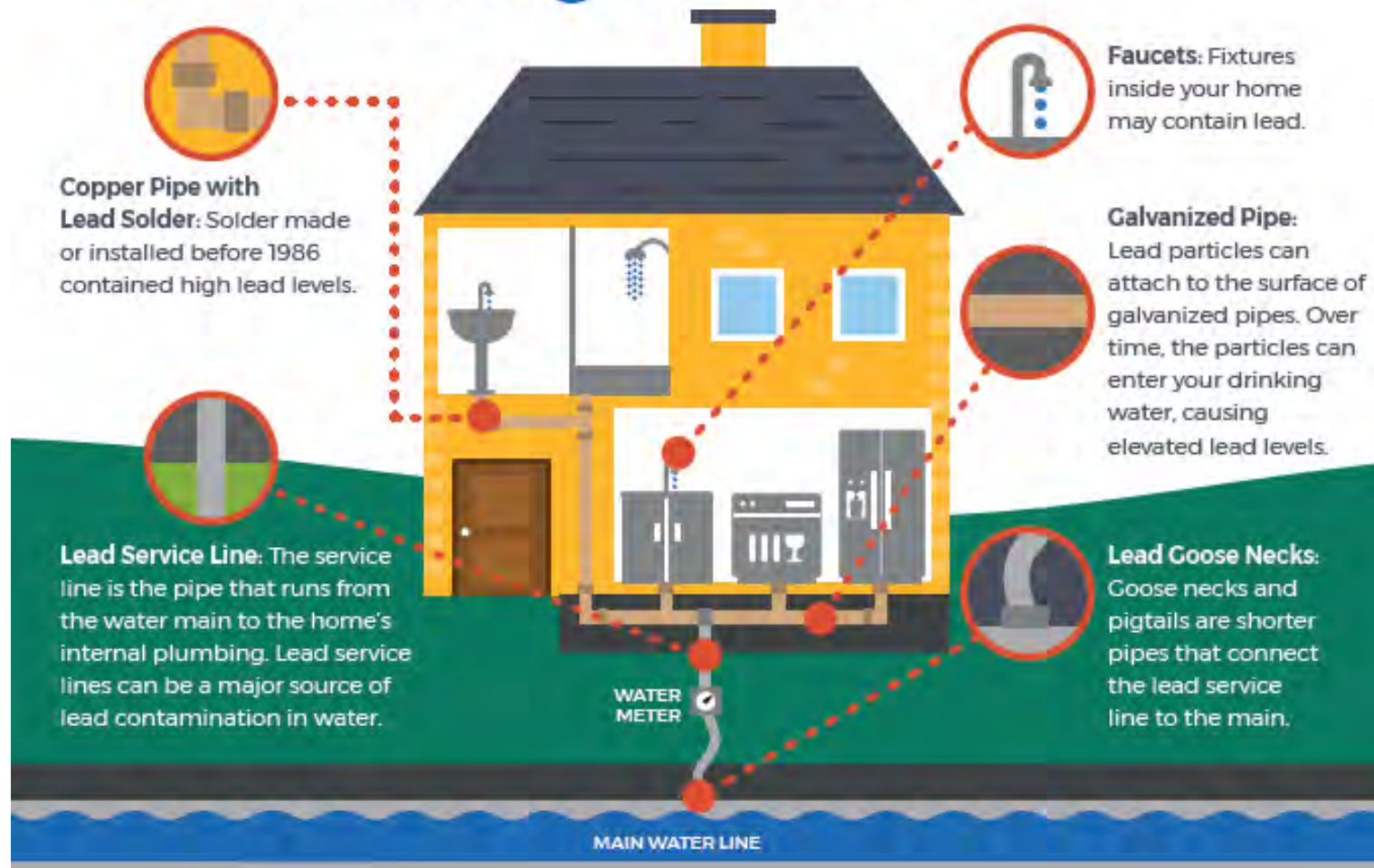
Who is in the audience?

I am from ...

- A. Local government
- B. State government
- C. Federal government
- D. Community organization
- E. Industry
- F. Other (share in the chat)

Drinking Water Lead and Copper Rule

Sources of **LEAD** in Drinking Water



Drinking Water Lead and Copper Rule

History/Overview:

- LCR was promulgated in 1991
- Applies to ~ 68,000 public water system serving ~300 million people.
- EPA works continuously with primacy agencies.
- Maximum Contaminant Level Goals (MCLG)
 - Lead – 0 ug/L
 - Copper – 1.3 mg/L
- 90th percentile tap sampling results are compared to an action level (AL)
 - Lead – 15 ug/L (ppb)
 - Copper – 1.3 mg/L (ppm)



Lead and Copper Rule Revisions

LCRR Highlights:

- Identify locations of lead service lines
- Strengthen treatment requirements
- Increased lead sampling reliability
- Requires testing in schools and childcare facilities
- Established trigger level of 10 ppb
- Compliance date: October 16, 2024



Lead and Copper Rule Improvements

LCRI Focus Areas:

- Replacing All Lead Service Lines
- Strengthen compliance Tap Sampling
- Evaluate Action and Trigger Levels
- Lead Service Line Inventory requirements from LCRR are likely to remain the same
- Prioritizing Historically Underserved Communities
- EPA intends to promulgate the Lead and Copper Rule Improvements prior to **October 16, 2024**



Poll Question

Does your home have a lead service line?

A. Yes

B. No

C. I don't know

Reducing Lead in the Community

Community Discussion with City of Reading, PA



Lead Awareness Curriculum Train-the-Trainer Session



To Learn More or
to Register, Scan
the QR Code with
your Mobile Phone

SCAN ME

Join Us for this Free Virtual Event!

Dates in 2021

Thursday, October 14
Tuesday, October 19
Wednesday, October 27
Wednesday, November 3
Tuesday, November 9

To Register

[www.epa.gov/lead/
local-training-and-
-outreach#webinars](http://www.epa.gov/lead/local-training-and-outreach#webinars)

For more information and/or to download
the Lead Awareness Curriculum, go to:
epa.gov/lead/tribal-lead-curriculum

The Lead Awareness Curriculum is a curriculum built for
community leaders to help tribes and communities protect
children from potential lead exposure and lead poisoning.



EPA RRP CONTRACTOR CERTIFICATION



EPA Lead-Safe Certification for Renovation, Repair and Painting (RRP) Training Course

One-Day Initial RRP Contractor
Certification Training at
NO COST to You!

SIGN UP NOW, SEATS ARE LIMITED.



To Learn More or
to Register, Scan
the QR Code with
your Mobile Phone

SCAN ME

Date: Thursday, October 28, 2021

Location: Comfort Inn
2200 Stacey Dr. Reading, PA 19605

To Register: Call (513) 372-6232
or with coupon code Leadsafety21 at [https://
proactivesafetyservices.com/classes/reading-epa-rrp-
initial-certification-lead-renovator-training-reading-
pa-10-28-2021/](https://proactivesafetyservices.com/classes/reading-epa-rrp-initial-certification-lead-renovator-training-reading-pa-10-28-2021/)



For more information on the RRP Rule, go to: www.epa.gov/lead

The federal EPA Renovation, Repair and Painting (RRP) rule affects all contractors who may disturb lead-based paint on homes and child care centers built before 1978. This training meets EPA and HUD requirements for lead-safe work practices.

Poll Question

What do you think would help your own community address local lead issues?

- A. Developing a Local Lead Action Plan
- B. Lead education for the community
- C. Training contractors to work lead-safe
- D. Making a lead coalition of partners and stakeholders
- E. Grant funding to abate lead in homes
- F. Other (share in the chat)



Outreach Best Practices for Identifying and Working with Communities

Children are not little adults!

- There is no "one size fits all" approach to identifying with whom we work.
- Children are often more likely to be at risk from environmental hazards than adults because of:
 - Unique activity patterns and behavior.
 - Physiological differences.
 - Windows of susceptibility during early lifestages including fetal development and puberty.
- Children are also dependent upon adults to ensure that their environment is safe.


Partnering is key

- Use of data-informed approach to identify areas with pre-1978 housing, and children aged 5 and younger, low income, etc.
- Partnering and ground-truthing is crucial:
 - Federal Family; State, City, Local Governments and Agencies;
 - Community- and Faith-Based Organizations;
 - Grantees;
 - PEHSU (Pediatric Environmental Health Specialty Unit): <https://www1.villanova.edu/university/nursing/macche.html>







Clarksburg, West Virginia




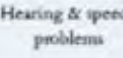
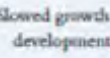

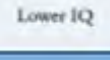
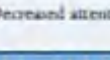

R3 Lead Infographic

PROTECTING CHILDREN FROM LEAD 




How Can Children Be Exposed?

-  Peeling paint & dust
-  Soil
-  Drinking water/pipes & plumbing
-  Industrial sites










How Does Lead Affect Children?

-  Damage to brain & nervous system
-  Learning & behavior problems
-  Risk of miscarriage
-  Hearing & speech problems
-  Slowed growth & development
-  Your baby may be born too early or too small
-  Lower IQ
-  Decreased attention
-  Damage to your baby's brain, kidneys, & nervous system

Who Is Most Vulnerable?

-  Those living in homes built before 1978
-  Children under 6 years old
-  Those living near former lead smelters

Simple Steps You Can Take to Reduce Exposure

-  Remove shoes before entering the house
-  Wash hands, bottles, pacifiers & toys often
-  Run faucet on cold for 1-2 minutes if water hasn't been used for 6 hours or more.
-  Wet clean floors & window sills often
-  Have your child tested for lead
-  Renovate safely www.epa.gov/lead
-  Children's meals high in calcium & iron
-  Use point of use filter NSF/ANSI standard 53 along with claim of lead reduction
-  Use cold water for drinking & cooking

Translations

8 additional languages

Arabic

حماية الأطفال من الرصاص

كيف يمكن للأطفال ان يتعرضوا له؟

المواقع الصناعية
مياه الشرب/الأنابيب والمواسير
التربة
تفشير الطلاء والغبار

كيف يؤثر الرصاص على أطفالنا؟

Burmese

ကလေးများကို ခဲမှကာကွယ်ပေးခြင်း

ကလေးတွေကို ဘယ်လိုဖော်ထုတ်နိုင်မလဲ။

အဆောက်အအုံများ၊ အိတ်များ၊ အိတ်များ၊ အိတ်များ
မြေ၊ ရေ၊ မြေ၊ မြေ

ခဲက ကလေးတွေအပေါ် ဘယ်လိုသက်ရောက်မှုရှိလဲ။

Dari

محافظت اطفال از سرب

خطور اطفال در معرض قرار گرفته ميتوانند؟

پوست دادن رنگ و خاک
خاک
آب آشاميدنی/ پايپ ها و تلهوانی
سایت های صنعتی

سرب بالای اطفال خطور تاثیر میکند؟

Nepali

बच्चालाई सिसा (LEAD) बाट जोगाउने

बच्चा कसरी एक्सपोज हुन सक्छ?

पेन्ट खुकिने र धुलो
माटो
पिउने पानी / पाइप र प्लम्बिङ्ग
औद्योगिक साइटहरू

सिसाले बच्चालाई कसरी असर गर्छ?

Pashto

له سرب څخه د ماشومانو ساتنه

ماشومان ورسره څنگه مخ کېدلی شي؟

پوسټکي کونکي رنگ او دورې
خاوره
د څښلو اوبه پايپونه او د لږ غوټې توکي
صنعتي ځايونه

سرب څرنگه ماشومان اغېزمن کوي؟

Spanish

PROTECCIÓN DE LOS NIÑOS CONTRA EL PLOMO

¿Cómo pueden estar expuestos los niños?

Pintura descascarada y polvo
Tierra
Agua potable/ Tuberías y plomería
Áreas industriales

¿Cómo afecta el plomo a los niños?

Swahili

KIMUNDA WATOTO DHIDI YA SUMU YA

Wanaweza Kuhatarishwa Kupitia Njia Zipi?

Chembechembe za rangi na vumbi
Mchanga
Maji ya Kunywa/ mabomba na mifereji
Viwanda

Je, Sumu ya Chuma Inaathiri Vipi Watoto?

Russian

КАК ЗАЩИТИТЬ ДЕТЕЙ ОТ ОТРАВЛЕНИЯ СВИНЦОМ

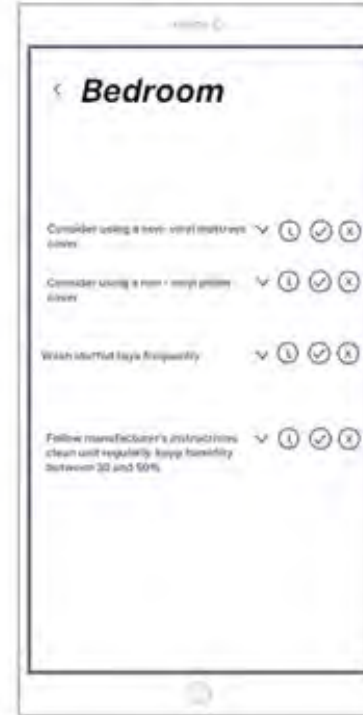
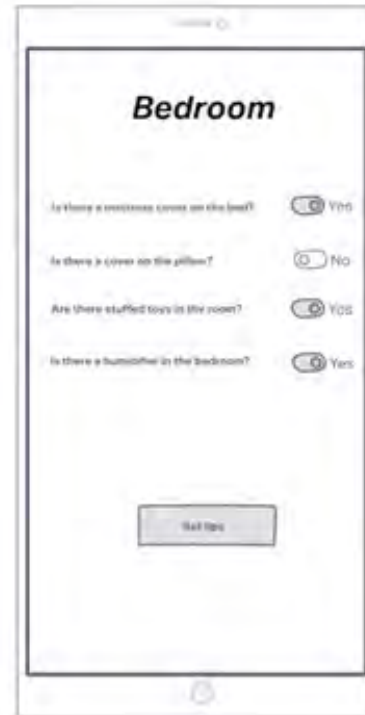
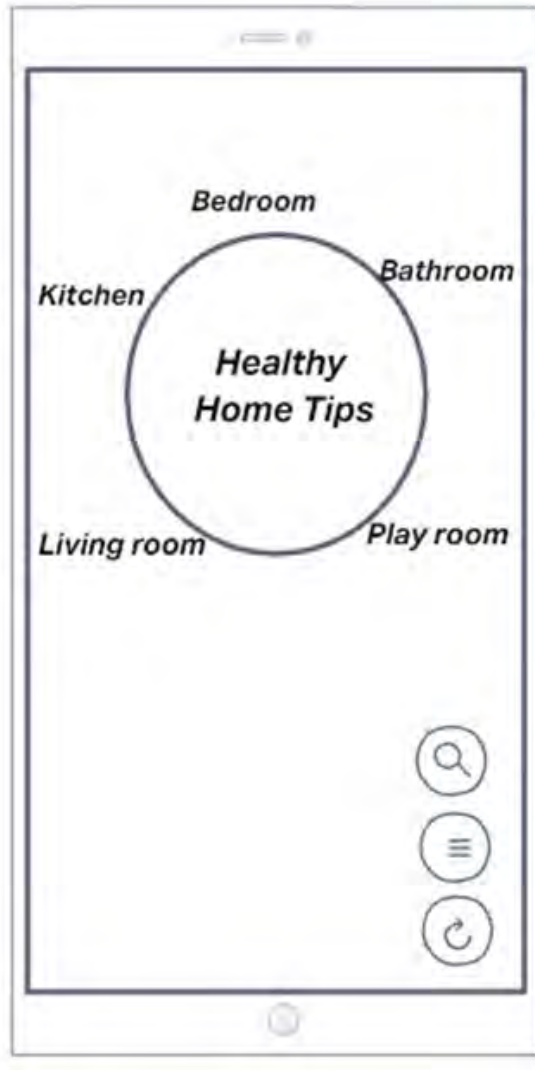
Каким образом дети подвергаются опасности?

Отслоение краски и пыль
Почва
Употребление воды/ водопроводы
Промышленные районы

Какое воздействие свинец оказывает на детей?

Coming soon...

Children's Healthy Home Environment App



DRAFT Design images courtesy of Silent Spring Institute

Poll Question

Would you be interested in attending lead webinars in the future about:

- A. Blood-lead reference levels
- B. Developing a local lead action plan
- C. Understanding lead and actions to reduce lead exposures
- D. Discussions with communities who are working to reduce lead
- E. Lead-safe renovations and repairs
- F. Other (write ideas in the chat)

Questions and Answers

EPA's Lead Resources

- Lead Website: www.epa.gov/lead
 - EPA's Lead Curriculum
 - Free infographics, brochures, and more
 - Spanish language: <https://espanol.epa.gov/plomo>
- Lead Hotline: 1 (800) 424-LEAD [5323]
 - Free public hotline for questions about lead
- Report a Violation website: www.epa.gov/tips
 - Anyone can fill out a short form to submit a tip to report potential lead violations



Learn About Lead

- [Basic information about lead](#)
- [Steps to reduce lead exposure in the home](#)
- [Lead in drinking water](#)
- [Lead air pollution](#)
- [Lead at Superfund sites](#)
- [Lead emissions from cars and trucks](#)
- [En español](#)

Resources

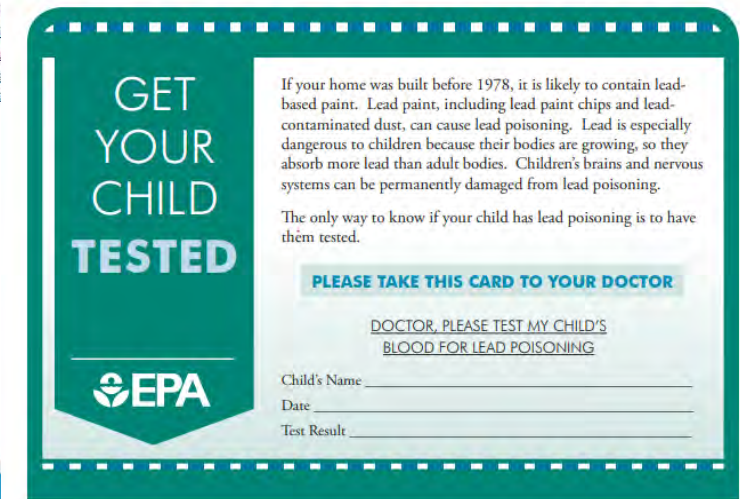
- [Educational documents and outreach materials](#)
 - [Tribal Lead Curriculum](#)
- [National Lead Poisoning Prevention Program](#)

Related Topics

- [National Lead Laboratory Accreditation Program \(NLLAP\)](#)
- [Lead and Copper Rule](#)

In the Spotlight

- [Lead Newsroom](#)
- [Lead and Copper Rule](#)



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