Simple Steps To Protect Your Family from Lead Hazards

If you think your home has high levels of lead:

- Get your young children tested for lead, even if they seem healthy.
- Wash children's hands, bottles, pacifiers, and toys
- Make sure children eat healthy, low-fat foods
- Get your home checked for lead hazards.
- Regularly clean floors, window sills, and other
- Wipe soil off shoes before entering house.
- Talk to your landlord about fixing surfaces with peeling or chipping paint.
- ◆ Take precautions to avoid exposure to lead dust when remodeling or renovating (call 1-800-424-LEAD for guidelines).
- Don't use a belt-sander, propane torch, high temperature heat gun, scraper, or sandpaper on... painted surfaces that may contain lead
- Don't try to remove lead-based paint yourself.



OF REALTORS' NATIONAL ASSOCIATION

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United States



Safety Commission



United States Department of Flousing and Urban Development

Childhood lead poisoning remains a major environmental health problem in

People can get lead in their body if they:

- Breathe in lead dust (especially during renovations that disturb painted surfaces).
- Put their hands or other objects covered with lead dust in their mouths.
- Eat paint chips or soil that contains lead.

Lead is even more dangerous to children under the age of 6:

- At this age children's brains and nervous systems are more sensitive to the damaging effects of lead.
- Children's growing bodies absorb more lead.
- Bables and young children often put their hands and other objects in their mouths. These objects can have lead dust on them.

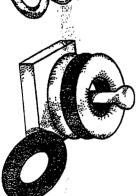
Even children who appear healthy care have danger ours levels of

lead in their

bodies

Lead is also dangerous to women of childbearing age:

Women with a high lead level in their system prior to pregnancy would expose a fetus to lead through the placenta during fetal development.



Lead's Effects

It is important to know that even exposure to low levels of lead can severely harm children.

in children, lead can cause:

- Nervous system and kidney damage
- Learning disabilities, attention deficit disorder, and decreased intelligence.

Brain or Nerve Damage

- Speech, language, and behavior problems.
- Poor muscle coordination.
- Decreased muscle and bone growth.
- Hearing damage.

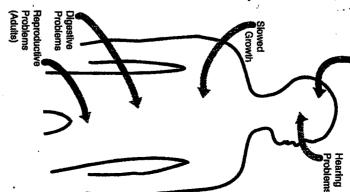
While low-lead exposure is most common, exposure to high levels of lead can have devastating effects on children, including seizures, unconsciousness, and, in some cases, death

Although children are especially susceptible to lead exposure, lead can be dangerous for adults too.

In adults, lead can cause:

- Increased chance of illness during pregnancy.
- Harm to a fetus, including brain damage or death.
- Fertility problems (in men and women).
- High blood pressure
- Digestive problems
- Nerve disorders.
- Memory and concentration problems.
- ♦ Muscle and joint pain.

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Lead affects the body in many ways.

In general, the older your home, the more likely it has lead. based paint.

> Many homes built before 1978 have leadbased paint. The federal government banned lead-based paint from housing in 1978. Some states stopped its use even earlier. Lead can be found:

- In homes in the city, country, or suburbs
- In apartments, single-family homes, and both private and public housing.
- Inside and outside of the house
- In soil around a home. (Soil can pick up lead from exterior paint or other sources such as past use of leaded gas in cars.)

Checking Your Family for Lead

children and home tested if you think your home has high levels of lead.

get your child's exposure to lead, get your child checked, have your home tested (especially if your home has paint in poor condition and was built before 1978), and fix any hazards you may have. Children's blood lead levels tend to increase rapidly from 6 to 12 months of age, and tend to peak at 18 to 24 months of age.

Consult your doctor for advice on testing your children. A simple blood test can detect high levels of lead. Blood tests are usually recommended for:

- ◆ Children at ages 1 and 2.
- Children or other family members who have been exposed to high levels of lead.
- Children who should be tested under your state or local health screening plan.

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Your doctor can explain what the test results mean and if more testing will be needed.

identifying lead Hazards

It is in good condition, and it is not on an impact or friction surface, like a window. It is defined by the federal government as paint with lead levels greater than or equal to 1.0 milligram per square centimeter, or more than 0.5% by weight.

Deteriorating lead-based paint (peeling, chipping, chalking, cracking or damaged) is a hazard and needs immediate attention. It may also be a hazard when found on surfaces that children can chew or that get a lot of wear-and-tear, such as:

paint chips, which you can see, and lead dust, which you can't always see, can both be serious hazards.

- Windows and window sills.
- Doors and door frames.
- Stairs, railings, banisters, and porches.

Lead dust can form when lead-based paint is scraped, sanded, or heated. Dust also forms when painted surfaces bump or rub together. Lead chips and dust can get on surfaces and objects that people touch. Settled lead dust can re-enter the air when people vacuum, sweep, or walk through it. The following two federal standards have been set for lead hazards in dust:

- 40 micrograms per square foot (µg/ft²) and higher for floors, including carpeted floors.
- \spadesuit 250 $\mu g/\text{ft}^2$ and higher for interior window sills.

Lead in soil can be a hazard when children play in bare soil or when people bring soil into the house on their shoes. The following two federal standards have been set for lead hazards in residential soil:

- 400 parts per million (ppm) and higher in play areas of bare soil
- 1,200 ppm (average) and higher in bare soil in the remainder of the yard.

The only way to find out if paint, dust and soil lead hazards exist is to test for them. The next page describes the most common methods used.

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What Your Claim Hour News No. 19 Chartest

You can get your home tested for lead in several different ways:

- A paint inspection tells you whether your home has lead-based paint and where it is located. It won't tell you whether or not your home currently has lead hazards.
- A **risk assessment** tells you if your home currently has any lead hazards from lead in paint, clust, or soil. It also tells you what actions to take to address any hazards.
- A combination risk assessment and inspection tells you if your home has any lead hazards and if your home has any lead-based paint, and where the lead-based paint is located.

Hire a trained and certified testing professional who will use a range of reliable methods when testing your home.

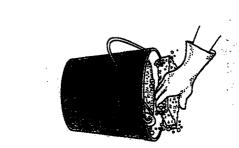
- Visual inspection of paint condition and location.
- A portable x-ray fluorescence (XRF) machine.
- ◆ Lab tests of paint, dust, and soil samples.

There are state and federal programs in place to ensure that testing is done safely, reliably, and effectively. Contact your state or local agency (see bottom of page 11) for more information, or call 1-800-424-LEAD (5323) for a list of contacts in your area.

Home test kits for lead are available, but may not always be accurate. Consumers should not rely on these kits before doing renovations or to assure safety.

If you suspect that your house has lead hazards, you can take some immediate steps to reduce your family's risk:

- If you rent, notify your landlord of peeling or chipping paint.
- Clean up paint chips immediately.
- ➤ Clean floors, window frames, window sills, and other surfaces weekly. Use a mop or sponge with warm water and a general all-purpose cleaner or a cleaner made specifically for lead. REMEMBER: NEVER MIX AMMONIA AND BLEACH PRODUCTS TOGETHER SINCE THEY CAN FORM A DANGEROUS GAS.
- Thoroughly rinse sponges and mop heads after cleaning dirty or dusty areas.
- Wash children's hands often, especially before they eat and before nap time and bed time.
- Keep play areas clean. Wash bottles pacifiers, toys, and stuffed animals regularly.
- ◆ Keep children from chewing window sills or other painted surfaces.
- Clean or remove shoes before entering your home to avoid tracking in lead from soll.
- Make sure children eat nutritious, low-fat meals high in iron and calcium, such as spinach and dairy products. Children with good diets absorb less lead.







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your family can increase even more improperty REMINION HINE around the lead dust by spreading the hazard to nomse.

Alloways use a remove head is trained to nazards safely.

professional who

ing attention.

To permanently remove lead hazards, you should hire a certified lead "abatenent hazard elimination) methods ment" contractor. Abatement (or permalead-based paint with special materials paint is not permanent removal. include removing, sealing, or enclosing

government. who knows how to do this work safely and qualified workers and follow strict safety thoroughly. Certified contractors will employ for correcting lead problems—someone Always hire a person with special training rules as set by their state or by the federal has the proper equipment to clean up

activities must be repeated until testing Once the work is completed, dust cleanup indicates that lead dust levels are below the

- 40 micrograms per square foot (ug/ft²) for floors, including carpeted floors;
- 250 µg/ft2 for interior windows sills; and
- 400 µg/ft² for window troughs.

of page 11) for help in locating certifled professionals in your area and to see if Call your state or local agency (see bottom financial assistance is available.

In addition to day-to-day cleaning and good

- You can temporarily reduce lead hazards actions (called "interim controls") are not aged painted surfaces and planting grass by taking actions such as repairing clamto cover soil with high lead levels. These permanent solutions and will need ongo-
- ust painting over the hazard with regular

work area.

follow other safety measures to about other safety measures by calling explains what to do before, during, reduce lead hazards. You can find out and after renovations. Remodeling Your Home." This brochure "Reducing Lead Hazards When 1-800-424-LEAD. Ask for the brochure

your young children tested and follow tions or remodeling that could have the steps outlined on page 7 of this released lead-based paint or dust, get

Lead: Based Paint Resulted Thurse of Recheserations of Figure British

as scraping off paint or tearing out walls): thing that disturbs painted surfaces (such you begin remodeling or renovating any-Take precautions before your contractor of

- Have the area tested for lead-based paint.
- Do not use a belt-sander, propane scraper, or dry sandpaper to remove long after the work is done. torch, high temperature heat gun, dry Lead dust can remain in your home large amounts of lead dust and fumes lead-based paint. These actions create
- erly cleaned. If you can't move your out of the apartment or house until cially children and pregnant women, Temporarily move your family (espethe work is done and the area is propfamily, at least completely seal off the

brochure. If you have already completed renova-



and dust imto of renova. certain types property, conducted release lead tions cam the air. from paint

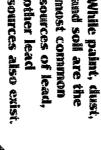


Drinking water. Your home might have

plumbing with lead or lead solder. Call your local health department or water

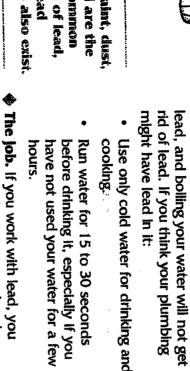
water. You cannot see, smell, or taste supplier to find out about testing your

and soil are the sources of lead, While paint, dust sources also exist. most common other lead









Old painted toys and furniture

family's clothes

clothes separately from the rest of your before coming home. Launder your work

clothes. Shower and change clothes could bring it home on your hands or

- food and liquids stored in lead crystal or lead-glazed pottery or porcelain.
- Lead smelters or other industries that release lead into the air.
- Hobbies that use lead, such as making pottery or stained glass, or refinishing
- **Folk remedies** that contain lead, such as upset stomach. "greta" and "azarcon" used to treat an

From Micons huncontractions

The National Lead Information Center

and for other information on lead hazards. www.epa.gov/lead and how to protect children from lead poisoning Call 1-800-424-LEAD (424-5323) to learn To access lead information via the web, visit



EPA's Safe Drinking Water Hotline

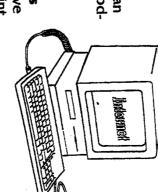
lead in drinking water. Call 1-800-426-4791 for information about

Commission (CPSC) Hotline Consumer Product Safety

www.cpsc.gov. consumer products, or to report an 2772, or visit CPSC's Web site at: uct-related injury call 1-800-638unsafe consumer product or a prod-To request information on lead in

Health and Environmental Agencies

Center at 1-800-424-LEAD. or contact the National Lead Information and phone information for your local conpossible sources of financial aid for reducing can also provide information on finding a see which laws apply to you. Most agencies activities. Check with your local agency to their own rules for lead-based paint Some cities, states, and tribes have tacts on the Internet at www.epa.gov/lead lead abatement firm in your area, and on lead hazards. Receive up-to-date address



Relay Service at 1-800-877-8339 to access any of for the hearing impaired, call the Federal Information the phone numbers in this brochure.

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Your Regional EPA Office can provide further information regarding regulations and lead protection programs.

EPA Regional Offices

Region 1 (Connecticut, Massachusetts, Maine, New Hampshire, Rhode Island, Vermont)

Regional Lead Contact U.S. EPA Region I Suite 1100 (CPT) One Congress Street Boston, MA 02114-2023 I (888) 372-7341

Region 2 (New Jersey, New York, Puerto Rico, Virgin Islands)
Regional Lead Contact
U.S. EPA Region 2
2890 Woodbridge Avenue
Building 209, Mail Stop 225
Edison, NJ 08837-3679
(732) 321-6671

Region 3 (Delaware, Maryland, Pennsylvania, Virginia, Washington DC, West Virginia)

Regional Lead Contact U.S. EPA Region 3 (3WC33) 1650 Arch Street Philadelphia, PA 19103 (215) 814-5000

Region 4 (Alabama, Fiorida, Georgia, Kentucky, Mississippi, North Carolina South Carolina, Tennessee)

Regional Lead Contact U.S. EPA Region 4 61 Forsyth Street, SW Atlanta, GA 30303 (404) 562-8998

Region 5 (illinois, Indiana, Michigan, Minnesota, Ohlo, Wisconsin)

Regional Lead Contact
U.S. EPA Region 5 (DT-8J)
77 West Jackson Boulevard
Chicago, IL 60604-3666
(312) 886-6003

Region 6 (Arkansas, Louisiana, New Mexico, Oklahoma, Texas) Regional Lead Contact U.S. EPA Region 6 1445 Ross Avenue, 12th Floor Dallas, TX 75202-2733 (214) 665-7577

Region 7 (Iowa, Kansas, Missouri, Nebraska)

Regional Lead Contact U.S. EPA Region 7 (ARTD-RALI) 901 N. 5th Street Kansas City, KS 66101 (913) 551-7020

Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming)

Regional Lead Contact U.S. EPA Region 8 999 18th Street, Suite 500 Denver, CO 80202-2466 (303) 312-6021

Region 9 (Arizona, California, Hawali, Nevada)

Regional Lead Contact U.S. Region 9 75 Hawthorne Street San Francisco, CA 94105 (415) 947-4164

Region 10 (Alaska, Idaho, Oregon, Washington)

Regional Lead Contact
U.S. EPA Region 10
Toxics Section WCM-128
1200 Sixth Avenue
Seattle, WA 98101-1128
(206) 553-1985

CFSC Regional Offices

Your Regional CPSC Office can provide further information regarding regulations and consumer product safety.

Eastern Regional Center

Consumer Product Safety Commission 201 Varick Street, Room 903 : New York, NY 10014 (212) 620-4120

Western Regional Center
Consumer Product Safety Commission
1301 Clay Street, Suite 610-N

Oakland, CA 94612 (510) 637-4050

Central Regional Center

Consumer Procluct Safety Commission 230 South Dearborn Street, Room 2944 Chicago, IL 60604 (312) 353-8260

Hub Lead Office

Please contact HUD's Office of Healthy Homes and Lead Hazard Control for information on lead regulations, outreach efforts, and lead hazard control and research grant programs.

U.S. Department of Housing and Urban Development
Office of Healthy Homes and Lead Hazard Control

45.1 Seventh Street, SW, P-3206 Washington, DC 20410

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U.S. EPA Washington DC 20460
U.S. CPSC Washington DC 20207
U.S. HUD Washington DC 20410

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