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# Protect Your Family From Lead in Your Home

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United States  
Environmental  
Protection Agency



United States  
Consumer Product  
Safety Commission



United States  
Department of Housing  
and Urban Development

December 2012

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## Are You Planning to Buy or Rent a Home Built Before 1978?

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Did you know that many homes built before 1978 have **lead-based paint**? Lead from paint, chips, and dust can pose serious health hazards.

### Read this entire brochure to learn:

- How lead gets into the body
- About health effects of lead
- What you can do to protect your family
- Where to go for more information

### Before renting or buying a pre-1978 home or apartment, federal law requires:

- Sellers must disclose known information on lead-based paint or lead-based paint hazards before selling a house.
- Real estate sales contracts must include a specific warning statement about lead-based paint. Buyers have up to 10 days to check for lead.
- Landlords must disclose known information on lead-based paint and lead-based paint hazards before leases take effect. Leases must include a specific warning statement about lead-based paint.

### If undertaking renovations, repairs, or painting (RRP) projects in your pre-1978 home or apartment:

- Read EPA's pamphlet, *The Lead-Safe Certified Guide to Renovate Right*, to learn about the lead-safe work practices that contractors are required to follow when working in your home (see page 12).



## Simple Steps to Protect Your Family from Lead Hazards

### If you think your home has lead-based paint:

- Don't try to remove lead-based paint yourself.
- Always keep painted surfaces in good condition to minimize deterioration.
- Get your home checked for lead hazards. Find a certified inspector or risk assessor at [epa.gov/lead](https://www.epa.gov/lead).
- Talk to your landlord about fixing surfaces with peeling or chipping paint.
- Regularly clean floors, window sills, and other surfaces.
- Take precautions to avoid exposure to lead dust when remodeling.
- When renovating, repairing, or painting, hire only EPA- or state-approved Lead-Safe certified renovation firms.
- Before buying, renting, or renovating your home, have it checked for lead-based paint.
- Consult your health care provider about testing your children for lead. Your pediatrician can check for lead with a simple blood test.
- Wash children's hands, bottles, pacifiers, and toys often.
- Make sure children eat healthy, low-fat foods high in iron, calcium, and vitamin C.
- Remove shoes or wipe soil off shoes before entering your house.

## Lead Gets into the Body in Many Ways

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### Adults and children can get lead into their bodies if they:

- Breathe in lead dust (especially during activities such as renovations, repairs, or painting that disturb painted surfaces).
- Swallow lead dust that has settled on food, food preparation surfaces, and other places.
- Eat paint chips or soil that contains lead.

### Lead is especially 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.
- Babies and young children often put their hands and other objects in their mouths. These objects can have lead dust on them.



### Women of childbearing age should know that lead is dangerous to a developing fetus.

- Women with a high lead level in their system before or during pregnancy risk exposing the fetus to lead through the placenta during fetal development.

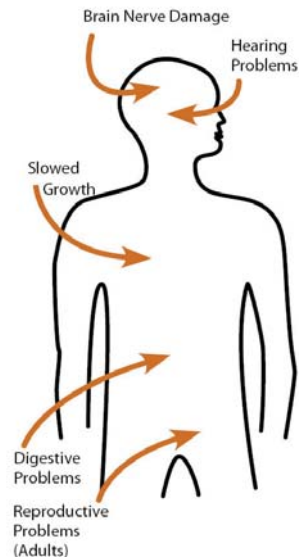
## Health Effects of Lead

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**Lead affects the body in many ways.** It is important to know that even exposure to low levels of lead can severely harm children.

### In children, exposure to lead can cause:

- Nervous system and kidney damage
- Learning disabilities, attention deficit disorder, and decreased intelligence
- 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 amounts 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, exposure to lead can cause:

- Harm to a developing fetus
- Increased chance of high blood pressure during pregnancy
- Fertility problems (in men and women)
- High blood pressure
- Digestive problems
- Nerve disorders
- Memory and concentration problems
- Muscle and joint pain

## Check Your Family for Lead

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**Get your children and home tested if you think your home has lead.**

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 lead. Blood lead 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

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

## Where Lead-Based Paint Is Found

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In general, the older your home or childcare facility, the more likely it has lead-based paint.<sup>1</sup>

**Many homes, including private, federally-assisted, federally-owned housing, and childcare facilities built before 1978 have lead-based paint.** In 1978, the federal government banned consumer uses of lead-containing paint.<sup>2</sup>

Learn how to determine if paint is lead-based paint on page 7.

### Lead can be found:

- In homes and childcare facilities in the city, country, or suburbs,
- In private and public single-family homes and apartments,
- On surfaces inside and outside of the house, and
- 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.)

Learn more about where lead is found at [epa.gov/lead](https://www.epa.gov/lead).

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<sup>1</sup> "Lead-based paint" is currently defined by the federal government as paint with lead levels greater than or equal to 1.0 milligram per square centimeter (mg/cm), or more than 0.5% by weight.

<sup>2</sup> "Lead-containing paint" is currently defined by the federal government as lead in new dried paint in excess of 90 parts per million (ppm) by weight.

## Identifying Lead-Based Paint and Lead-Based Paint Hazards

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

- On windows and window sills
- Doors and door frames
- Stairs, railings, banisters, and porches

**Lead-based paint is usually not a hazard if it is in good condition** and if it is not on an impact or friction surface like a window.

**Lead dust** can form when lead-based paint is scraped, sanded, or heated. Lead dust also forms when painted surfaces containing lead bump or rub together. Lead paint chips and dust can get on surfaces and objects that people touch. Settled lead dust can reenter the air when the home is vacuumed or swept, or when people walk through it. EPA currently defines the following levels of lead in dust as hazardous:

- 40 micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ ) and higher for floors, including carpeted floors
- 250  $\mu\text{g}/\text{ft}^2$  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. EPA currently defines the following levels of lead in soil as hazardous:

- 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

**Remember, lead from paint chips—which you can see—and lead dust—which you may not be able to see—both can be hazards.**

The only way to find out if paint, dust, or soil lead hazards exist is to test for them. The next page describes how to do this.



## Checking Your Home for Lead

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

- A lead-based paint **inspection** tells you if your home has lead-based paint and where it is located. It won't tell you whether your home currently has lead hazards. A trained and certified testing professional, called a lead-based paint inspector, will conduct a paint inspection using methods, such as:
  - Portable x-ray fluorescence (XRF) machine
  - Lab tests of paint samples
- A **risk assessment** tells you if your home currently has any lead hazards from lead in paint, dust, or soil. It also tells you what actions to take to address any hazards. A trained and certified testing professional, called a risk assessor, will:
  - Sample paint that is deteriorated on doors, windows, floors, stairs, and walls
  - Sample dust near painted surfaces and sample bare soil in the yard
  - Get lab tests of paint, dust, and soil samples
- A combination inspection and risk assessment tells you if your home has any lead-based paint and if your home has any lead hazards, and where both are located.



Be sure to read the report provided to you after your inspection or risk assessment is completed, and ask questions about anything you do not understand.

## Checking Your Home for Lead, continued

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In preparing for renovation, repair, or painting work in a pre-1978 home, Lead-Safe Certified renovators (see page 12) may:

- Take paint chip samples to determine if lead-based paint is present in the area planned for renovation and send them to an EPA-recognized lead lab for analysis. In housing receiving federal assistance, the person collecting these samples must be a certified lead-based paint inspector or risk assessor
- Use EPA-recognized tests kits to determine if lead-based paint is absent (but not in housing receiving federal assistance)
- Presume that lead-based paint is present and use lead-safe work practices

There are state and federal programs in place to ensure that testing is done safely, reliably, and effectively. Contact your state or local agency for more information, visit [epa.gov/lead](https://www.epa.gov/lead), or call **1-800-424-LEAD (5323)** for a list of contacts in your area.<sup>3</sup>

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<sup>3</sup> Hearing- or speech-challenged individuals may access this number through TTY by calling the Federal Relay Service at 1-800-877-8399.

## What You Can Do Now to Protect Your Family

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

- If you rent, notify your landlord of peeling or chipping paint.
- Keep painted surfaces clean and free of dust. Clean floors, window frames, window sills, and other surfaces weekly. Use a mop or sponge with warm water and a general all-purpose cleaner. (Remember: never mix ammonia and bleach products together because they can form a dangerous gas.)
- Carefully clean up paint chips immediately without creating dust.
- Thoroughly rinse sponges and mop heads often during cleaning of dirty or dusty areas, and again afterward.
- Wash your hands and your 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, or eating soil.
- When renovating, repairing, or painting, hire only EPA- or state-approved Lead-Safe Certified renovation firms (see page 12).
- Clean or remove shoes before entering your home to avoid tracking in lead from soil.
- 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.

## Reducing Lead Hazards

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**Disturbing lead-based paint or removing lead improperly can increase the hazard to your family by spreading even more lead dust around the house.**

- In addition to day-to-day cleaning and good nutrition, you can **temporarily** reduce lead-based paint hazards by taking actions, such as repairing damaged painted surfaces and planting grass to cover lead-contaminated soil. These actions are not permanent solutions and will need ongoing attention.
- You can minimize exposure to lead when renovating, repairing, or painting by hiring an EPA- or state-certified renovator who is trained in the use of lead-safe work practices. If you are a do-it-yourselfer, learn how to use lead-safe work practices in your home.
- To remove lead hazards permanently, you should hire a certified lead abatement contractor. Abatement (or permanent hazard elimination) methods include removing, sealing, or enclosing lead-based paint with special materials. Just painting over the hazard with regular paint is not permanent control.



**Always use a certified contractor who is trained to address lead hazards safely.**

- Hire a Lead-Safe Certified firm (see page 12) to perform renovation, repair, or painting (RRP) projects that disturb painted surfaces.
- To correct lead hazards permanently, hire a certified lead abatement professional. This will ensure your contractor knows how to work safely and has the proper equipment to clean up thoroughly.

Certified contractors will employ qualified workers and follow strict safety rules as set by their state or by the federal government.

## Reducing Lead Hazards, continued

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**If your home has had lead abatement work done** or if the housing is receiving federal assistance, once the work is completed, dust cleanup activities must be conducted until clearance testing indicates that lead dust levels are below the following levels:

- 40 micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ ) for floors, including carpeted floors
- 250  $\mu\text{g}/\text{ft}^2$  for interior windows sills
- 400  $\mu\text{g}/\text{ft}^2$  for window troughs

For help in locating certified lead abatement professionals in your area, call your state or local agency (see pages 14 and 15), or visit [epa.gov/lead](https://epa.gov/lead), or call 1-800-424-LEAD.

## Renovating, Remodeling, or Repairing (RRP) a Home with Lead-Based Paint

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**If you hire a contractor to conduct renovation, repair, or painting (RRP) projects in your pre-1978 home or childcare facility (such as pre-school and kindergarten), your contractor must:**

- Be a Lead-Safe Certified firm approved by EPA or an EPA-authorized state program
- Use qualified trained individuals (Lead-Safe Certified renovators) who follow specific lead-safe work practices to prevent lead contamination
- Provide a copy of EPA's lead hazard information document, *The Lead-Safe Certified Guide to Renovate Right*



**RRP contractors working in pre-1978 homes and childcare facilities must follow lead-safe work practices that:**

- **Contain the work area.** The area must be contained so that dust and debris do not escape from the work area. Warning signs must be put up, and plastic or other impermeable material and tape must be used.
- **Avoid renovation methods that generate large amounts of lead-contaminated dust.** Some methods generate so much lead-contaminated dust that their use is prohibited. They are:
  - Open-flame burning or torching
  - Sanding, grinding, planing, needle gunning, or blasting with power tools and equipment not equipped with a shroud and HEPA vacuum attachment and
  - Using a heat gun at temperatures greater than 1100°F
- **Clean up thoroughly.** The work area should be cleaned up daily. When all the work is done, the area must be cleaned up using special cleaning methods.
- **Dispose of waste properly.** Collect and seal waste in a heavy duty bag or sheeting. When transported, ensure that waste is contained to prevent release of dust and debris.

To learn more about EPA's requirements for RRP projects visit [epa.gov/getleadsafe](https://epa.gov/getleadsafe), or read *The Lead-Safe Certified Guide to Renovate Right*.

## Other Sources of Lead

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

- **Drinking water.** Your home might have plumbing with lead or lead solder. You cannot see, smell, or taste lead, and boiling your water will not get rid of lead. If you think your plumbing might contain lead:
  - Use only cold water for drinking and cooking.
  - Run water for 15 to 30 seconds before drinking it, especially if you have not used your water for a few hours.

Call your local health department or water supplier to find out about testing your water, or visit [epa.gov/lead](https://www.epa.gov/lead) for EPA's lead in drinking water information.

- **Lead smelters** or other industries that release lead into the air.
- **Your job.** If you work with lead, you could bring it home on your body or clothes. Shower and change clothes before coming home. Launder your work clothes separately from the rest of your family's clothes.
- **Hobbies** that use lead, such as making pottery or stained glass, or refinishing furniture. Call your local health department for information about hobbies that may use lead.
- Old **toys** and **furniture** may have been painted with lead-containing paint. Older toys and other children's products may have parts that contain lead.<sup>4</sup>
- Food and liquids cooked or stored in **lead crystal** or **lead-glazed pottery or porcelain** may contain lead.
- Folk remedies, such as "**greta**" and "**azarcon**," used to treat an upset stomach.

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<sup>4</sup> In 1978, the federal government banned toys, other children's products, and furniture with lead-containing paint (16 CFR 1303). In 2008, the federal government banned lead in most children's products. The federal government currently bans lead in excess of 100 ppm by weight in most children's products (76 FR 44463).

## For More Information

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### **The National Lead Information Center**

Learn how to protect children from lead poisoning and get other information about lead hazards on the Web at [epa.gov/lead](http://epa.gov/lead) and [hud.gov/lead](http://hud.gov/lead), or call **1-800-424-LEAD (5323)**.

### **EPA's Safe Drinking Water Hotline**

For information about lead in drinking water, call **1-800-426-4791**, or visit [epa.gov/lead](http://epa.gov/lead) for information about lead in drinking water.

### **Consumer Product Safety Commission (CPSC) Hotline**

For information on lead in toys and other consumer products, or to report an unsafe consumer product or a product-related injury, call **1-800-638-2772**, or visit CPSC's website at [cpsc.gov](http://cpsc.gov) or [saferproducts.gov](http://saferproducts.gov).

### **State and Local Health and Environmental Agencies**

Some states, tribes, and cities have their own rules related to lead-based paint. Check with your local agency to see which laws apply to you. Most agencies can also provide information on finding a lead abatement firm in your area, and on possible sources of financial aid for reducing lead hazards. Receive up-to-date address and phone information for your state or local contacts on the Web at [epa.gov/lead](http://epa.gov/lead), or contact the National Lead Information Center at **1-800-424-LEAD**.

Hearing- or speech-challenged individuals may access any of the phone numbers in this brochure through TTY by calling the toll-free Federal Relay Service at **1-800-877-8339**.



# U. S. Environmental Protection Agency (EPA)

## Regional Offices

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The mission of EPA is to protect human health and the environment. Your Regional EPA Office can provide further information regarding regulations and lead protection programs.

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

Regional Lead Contact  
U.S. EPA Region 1  
Suite 1100 (CPT) One Congress Street  
Boston, MA 02114-2023  
(617) 918-1524

**Region 2** (New Jersey, New York, Puerto Rico, Virgin Islands)

Regional Lead Contact  
U.S. EPA Region 2  
2890 Woodbridge Avenue  
Building 205, Mail Stop 225  
Edison, NJ 08837-3679  
(732) 321-6671

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

Regional Lead Contact  
U.S. EPA Region 3  
1650 Arch Street  
Philadelphia, PA 19103  
(215) 814-2088

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

Regional Lead Contact  
U.S. EPA Region 4  
AFC Tower, 12th Floor, Air, Pesticides & Toxics  
61 Forsyth Street, SW  
Atlanta, GA 30303  
(404) 562-8998

**Region 5** (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)

Regional Lead Contact  
U.S. EPA Region 5 (DT-8J)  
77 West Jackson Boulevard  
Chicago, IL 60604-3666  
(312) 886-7836

**Region 6** (Arkansas, Louisiana, New Mexico, Oklahoma, Texas, and 66 Tribes)

Regional Lead Contact  
U.S. EPA Region 6  
1445 Ross Avenue, 12th Floor  
Dallas, TX 75202-2733  
(214) 665-2704

**Region 7** (Iowa, Kansas, Missouri, Nebraska)

Regional Lead Contact  
U.S. EPA Region 7  
11201 Renner Blvd.  
WWPD/TOPE  
Lenexa, KS 66219  
(800) 223-0425

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

Regional Lead Contact  
U.S. EPA Region 8  
1595 Wynkoop St.  
Denver, CO 80202  
(303) 312-6966

**Region 9** (Arizona, California, Hawaii, Nevada)

Regional Lead Contact  
U.S. EPA Region 9 (CMD-4-2)  
75 Hawthorne Street  
San Francisco, CA 94105  
(415) 947-4280

**Region 10** (Alaska, Idaho, Oregon, Washington)

Regional Lead Contact  
U.S. EPA Region 10  
Solid Waste & Toxics Unit (WCM-128)  
1200 Sixth Avenue, Suite 900  
Seattle, WA 98101  
(206) 553-1200

## Consumer Product Safety Commission (CPSC)

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The CPSC protects the public against unreasonable risk of injury from consumer products through education, safety standards activities, and enforcement. Contact CPSC for further information regarding consumer product safety and regulations.

### CPSC

4330 East West Highway  
Bethesda, MD 20814-4421  
1-800-638-2772  
[cpsc.gov](http://cpsc.gov) or [saferproducts.gov](http://saferproducts.gov)

## U. S. Department of Housing and Urban Development (HUD)

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HUD's mission is to create strong, sustainable, inclusive communities and quality affordable homes for all. Contact HUD's Office of Healthy Homes and Lead Hazard Control for further information regarding the Lead Safe Housing Rule, which protects families in pre-1978 assisted housing, and for the lead hazard control and research grant programs.

### HUD

451 Seventh Street, SW, Room 8236  
Washington, DC 20410-3000  
(202) 402-7698  
[hud.gov/offices/lead/](http://hud.gov/offices/lead/)

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U. S. EPA Washington DC 20460  
U. S. CPSC Bethesda MD 20814  
U. S. HUD Washington DC 20410

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## **Rhode Island Contact Information**

### **The Rhode Island Department of Environmental Management (DEM)**

Information about DEM Air Pollution Control Regulation No. 24:  
Removal of Lead-Based Paint from Exterior Surfaces  
Office of Air Resources  
(401) 222-2808 Ext. 7013  
[www.dem.ri.gov](http://www.dem.ri.gov)

Exterior Lead Paint Removal Complaints  
Office of Compliance & Inspection  
(401) 222-1360 Ext. 7268

### **The Rhode Island Department of Health (HEALTH)**

Information about lead training courses, licensing requirements for lead professionals, lead safe work practices, and childhood lead poisoning prevention  
Healthy Homes & Lead Poisoning Prevention Program  
Health Information Line  
(401) 222-5960  
[www.health.ri.gov](http://www.health.ri.gov)

### **Housing Resources Commission (HRC)**

Information about the Lead Hazard Mitigation Law, HRC Lead Mitigation Regulations, landlord responsibilities, and tenant rights  
(401) 222-LEAD (5323)  
[www.hrc.ri.gov](http://www.hrc.ri.gov)



## What You Should Know About the Rhode Island Lead Law

### Childhood Lead Poisoning Screening

Rhode Island children must be screened for blood lead two times, at least 12 months apart, before the age of 36 months.

### Lead Hazard Reduction

Lead hazard reduction (LHR) is required in the homes of lead poisoned children and properties classified by HEALTH as having multiple poisonings or as high-risk premises. Lists of these properties are available on HEALTH's website at: <http://www.health.ri.gov/find/property/index.php>

In addition, LHR may be required by a notice or order from HEALTH, or by a funding agency, such as a HUD-grantee (e.g., RI Housing). Only a lead contractor licensed by HEALTH can do LHR work. Before beginning the work, lead contractors must provide owners and tenants with the EPA pamphlet *Protect your Family from Lead in Your Home* containing the Rhode Island insert, available on HEALTH's website at:

<http://www.health.ri.gov/materialbyothers/LeadPoisoningProtectYourFamily.pdf>

A clearance inspection by a licensed lead inspector which results in a Certification of Lead Free or Lead Safe Status is required at the conclusion of all LHR projects. Lists of licensed lead professionals and a lead certificate search are available on HEALTH's website at:

<http://www.health.ri.gov/find/environmentallead/firms/>

### Lead Hazard Control

Lead hazard control (LHC) is required to correct known or presumed environmental lead exposure hazards. Only a lead renovation firm licensed by HEALTH can do LHC work.

Before beginning the work, lead renovation firms must provide owners and tenants with the EPA pamphlet *Renovate Right* containing the Rhode Island insert, available on HEALTH's website at:

<http://www.health.ri.gov/publications/brochures/RenovateRight.pdf>

A clearance inspection by a licensed lead inspector, lead technician, or lead assessor which results in a Certification of Lead Free or Lead Safe Status, Certification of Acceptable Clearance Status, or an HRC Certificate of Conformance is required at the conclusion of all LHC projects. Lists of licensed lead professionals and a lead certificate search are available on HEALTH's website at: <http://www.health.ri.gov/find/environmentallead/firms/>

### **Renovation, Repair, and Painting**

Renovation, repair, and painting (RRP) activities are not intended to address environmental lead hazards but may incidentally result in the removal of lead paint or the elimination of lead hazards. RRP requirements apply to construction and related work, such as carpentry, plumbing or electrical work, that impact painted surfaces or building components which are known to contain lead or must be presumed to contain lead in pre-1978 buildings.

Only a lead renovation firm licensed by HEALTH may do RRP work in a regulated facility. (HEALTH regulates all residential rental units, residences of children younger than six years of age, and child care facilities.) Before beginning the work, lead renovation firms must provide owners and tenants with the EPA pamphlet *Renovate Right* containing the Rhode Island insert, available on HEALTH's website at:

<http://www.health.ri.gov/publications/brochures/RenovateRight.pdf>

A clearance inspection by a licensed lead inspector, lead technician, or lead assessor which results in a Certification of Acceptable Clearance Status is required at the conclusion of all interior RRP projects. Lists of licensed lead professionals and a certificate search are available on HEALTH's website at: <http://www.health.ri.gov/find/environmentallead/firms/>

### **Lead Hazard Mitigation**

The Lead Hazard Mitigation Law requires landlords to complete a lead hazard awareness seminar and correct lead hazards in most residential rental units. The landlord may do some of the lead work, but a lead renovation firm licensed by HEALTH is required for window replacement or work that is more than "spot removal".

A clearance inspection by a licensed lead inspector or lead technician which results in a Certificate of Conformance is required at the conclusion of the mitigation project. A list of approved seminars and a lead certificate search are available on HRC's website at:

[http://www.hrc.ri.gov/misc/lead\\_mitigation.php](http://www.hrc.ri.gov/misc/lead_mitigation.php)

## **Spot Removal**

Both the HRC and HEALTH “spot removal” limits are the same as the EPA de minimus of 6 square feet of lead paint per interior room or 20 square feet of exterior lead paint, provided that no prohibited work methods are used. DEM has no de minimus; Regulation No. 24: *Removal of Lead Based Paint from Exterior Surfaces* always applies to any exterior paint removal.

## **Prohibited Work Methods**

Rhode Island has additional prohibitions for disturbing lead paint. For interior work, HEALTH prohibits the use of chemical strippers that are flammable or contain methylene chloride and mechanical paint removal, except when done as LHR in a vacant dwelling.

For exterior work, DEM prohibits dry scraping or sanding, the use of chemical strippers that are flammable or contain methylene chloride, and uncontained power washing.

## **Lead Inspections**

Lead contractors and renovators are not qualified to test for lead in Rhode Island. (Lead contractors and renovators may presume that lead is present and use lead safe work practices.) Only lead inspectors, lead technicians, and lead assessors licensed by HEALTH can test for lead.

Only lead inspectors can issue Certifications of Lead Free and Lead Safe Status, which require a comprehensive environmental lead inspection and/or an LHR or LHC clearance inspection that includes paint, dust, water, and soil testing.

Only lead inspectors and lead technicians can issue Certificates of Conformance, which require an HRC clearance inspection that includes dust testing.

Lead inspectors, lead technicians, and lead assessors can issue Certifications of Acceptable Clearance Status, which require an RRP clearance inspection that includes dust testing.

Lists of licensed lead professionals and a lead certificate search are available on HEALTH’s website at:

<http://www.health.ri.gov/find/environmentallead/firms/>

## **Lead Standards**

HEALTH’s lead standards differ from the federal EPA/HUD standards. Only paint chip sampling by a licensed lead inspector or assessor can determine that painted surfaces or building components in pre-1978 construction do not contain lead. XRF readings less than 1.0 mg/cm<sup>2</sup> or “negative” (no reaction) test kit results are considered inconclusive in Rhode Island.

The following test results for damaged paint are considered hazardous:

- 1.0 mg/cm<sup>2</sup> or greater by XRF analysis
- “Positive” reaction (pink or red) with sodium rhodizonate test kit
- 600 parts per million (ppm) or greater by laboratory analysis

The following levels of lead in exposed soil are considered hazardous:

- 400 ppm and higher in areas of bare soil
- 1,200 ppm and higher in areas of soil covered by grass, mulch, or stone

### **Lead Disclosure**

In addition to the federal disclosure requirements, property owners must keep copies of all lead inspection reports and records for as long as they own a residential property in Rhode Island. This requirement includes all records and reports received as part of a lead disclosure from previous owners.

In addition, landlords must provide tenants with the HRC *Notice of Deteriorating Conditions* and the name and contact information of the person responsible for maintaining the property. Tenants should notify their landlord of damaged paint using this notice, also available on HRC’s website at:

[http://www.hrc.ri.gov/misc/lead\\_mitigation.php](http://www.hrc.ri.gov/misc/lead_mitigation.php)

### **Financial Assistance**

Grant and loan programs are available to help property owners eliminate lead hazards. A list of resources is available on HRC’s website. A Rhode Island personal income tax credit is available for expenses incurred for fixing lead hazards, up to \$5,000 per dwelling unit for work resulting in a Certification of Lead Free or Lead Safe Status or up to \$1,500 per dwelling unit for work resulting in a Certificate of Conformance. The Residential Lead Abatement Income Tax Credit Form RI-6238 is available at

<http://www.tax.ri.gov/taxforms/>.

**For education, advocacy, and parent support, call the Childhood Lead Action Project at (401) 785-1310 or visit [www.leadsafekids.org](http://www.leadsafekids.org)**

# IMPORTANT!

## **Lead From Paint, Dust, and Soil in and Around Your Home Can Be Dangerous if Not Managed Properly**

- Children under 6 years old are most at risk for lead poisoning in your home.
- Lead exposure can harm young children and babies even before they are born.
- Homes, schools, and child care facilities built before 1978 are likely to contain lead-based paint.
- Even children who seem healthy may have dangerous levels of lead in their bodies.
- Disturbing surfaces with lead-based paint or removing lead-based paint improperly can increase the danger to your family.
- People can get lead into their bodies by breathing or swallowing lead dust, or by eating soil or paint chips containing lead.
- People have many options for reducing lead hazards. Generally, lead-based paint that is in good condition is not a hazard (see page 10).