

# LEAD POISONING



# HOW TO PROTECT IOWA FAMILIES

Iowa Department of Public Health  
Lead Poisoning Prevention Program

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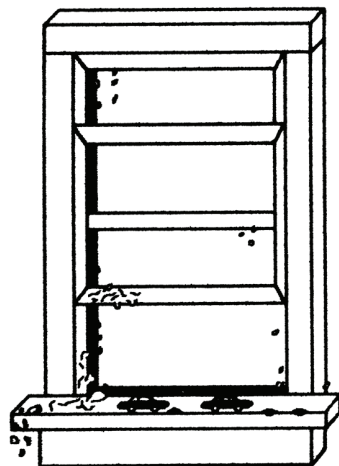
Adult lead pictures (pages 9, 13, 28, 43, and 44) provided by the Childhood Lead Poisoning Prevention Branch of the California Occupational Lead Poisoning Prevention Program.

# LEAD-BASED PAINT

*Lead-based paint, lead chips, and lead dust can pose serious health hazards and is still a serious concern in Iowa.*



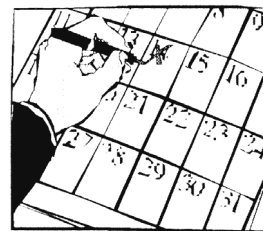
Many homes and child-occupied facilities built before 1978 contain lead-based paint hazards on both interior and exterior surfaces.



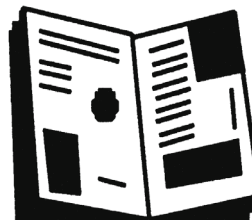
All of the rules regarding lead-based paint apply to pre-1978 homes and child-occupied facilities.

Buildings built before 1960 pose the most significant health risks.

# Iowa Laws Regarding Landlords and Renovators



Iowa law as enforced by the Iowa Department of Public Health requires lead professionals that disturb painted surfaces in homes and child-occupied facilities built before 1978 to be certified and follow specific work practices to prevent lead contamination. Always ask to see your lead professional's certification. (Read more about safe work practices beginning on [page 33.](#))



Renovators must give homeowners and occupants this booklet and a form before they start work. Landlords and property managers who perform renovations must also give this booklet and a form to tenants before they start work. (Blank forms are included in this booklet.)

## ***“Remember 1-6-20”***

*Iowa law requires that individuals receive this booklet before renovating more than 1 square foot of painted surfaces.*

*Iowa law also requires certification and specific work practices when paint is disturbed in:*

- *1 square foot of painted woodwork per renovation, or*
- *6 square feet of finished dry wall or plaster per interior room per renovation, or*
- *20 square feet of exterior painted surfaces per renovation.*



# Federal Laws Regarding Landlords, Home Sellers, and Renovators

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



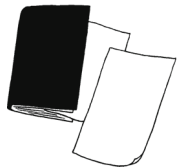
Landlords must tell tenants about known lead-based paint and lead-based paint hazards before leases are signed. In the case of verbal leases, landlords must do this before tenants agree to a verbal lease.



Leases must include a disclosure form about lead-based paint unless an Iowa certified inspector has checked the property and said in writing that it is lead-based paint free. (A blank form is included in this booklet.)



Sellers must offer buyers 10 days to check for lead hazards. Sellers must tell buyers in writing about lead-based paint and lead-based paint hazards before entering into a sales contract.



Sales contracts must include a disclosure form about lead-based paint in the building. (A blank form is included in this booklet.)

# LEAD POISONING

## *Lead poisoning occurs when a person has too much lead in his or her body.*

A blood lead test tells the amount of lead in a person's body.



Children under the age of 6 are much more sensitive to lead than adults. Experts currently reference a level of 5 micrograms per deciliter ( $\mu\text{g}/\text{dL}$ ) to identify children with higher blood lead levels than most other children.

Pregnant women exposed to lead can transfer lead to their fetuses. Lead gets into the body when it is inhaled or swallowed.



Adults should keep their blood lead levels less than 10  $\mu\text{g}/\text{dL}$ .

*Adults should try to keep their blood lead levels and their children's blood lead levels as low as possible.*



## How Do Children Become Lead-Poisoned?

Paint in poor condition is usually the source of childhood lead poisoning in Iowa. Children can be lead-poisoned if they:

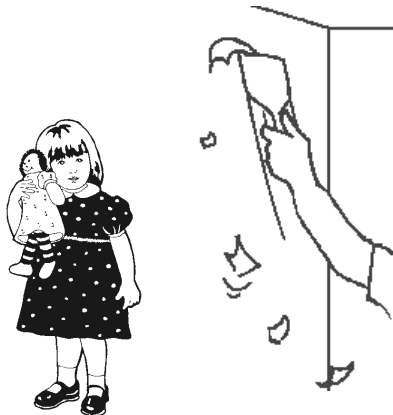
- ❑ ***Put dusty or dirty hands, toys, bottles, or pacifiers in their mouths.***

Household dust in older homes often contains lead from old paint. This dust gets on children's hands, toys, bottles, and pacifiers.



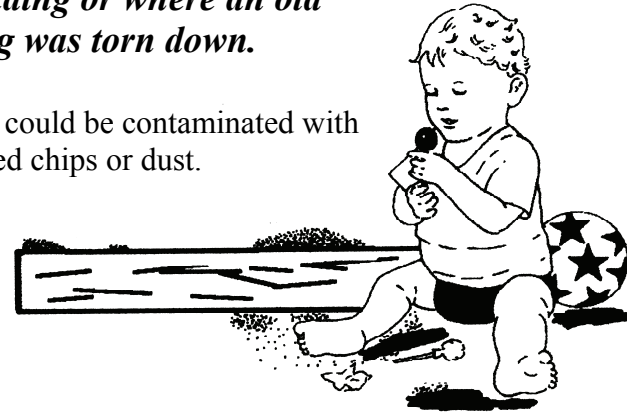
- ❑ ***Breathe in dust from lead-based paint that is being disturbed.***

Children and pregnant women should leave the area before the work begins and should be prohibited from returning to the work area until the work area has been completely cleaned.



- ❑ ***Play in dirt or a sandbox near an old building or where an old building was torn down.***

This soil could be contaminated with lead-based chips or dust.



Children may put the dirt or sand in their mouths. Or, the dirt or sand may stick to their hands and toys that they put in their mouths.



- ❑ ***Put lead-based paint chips in their mouths.***
- ❑ ***Chew on surfaces painted with lead-based paint.***

Children who are teething may chew on window sills and stair railings.



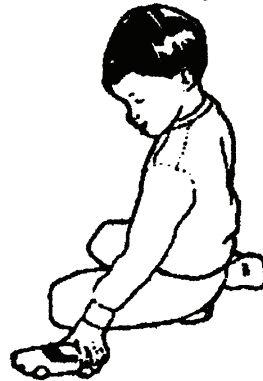
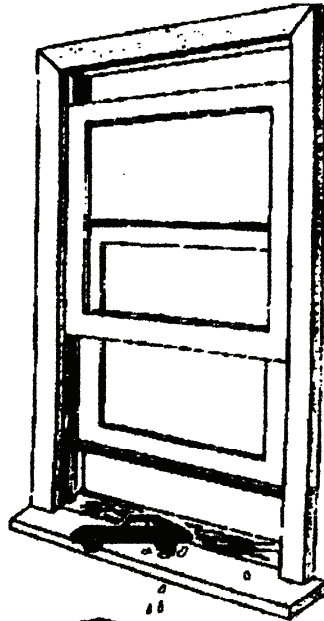
- ❑ *Play in or near windows and other areas where there are paint chips.*

These paint chips can be ground into small pieces and dust that stick to children's hands and toys. Children often put their hands and toys in their mouths.

Children like to look out of open windows and play at window sills.

In Iowa, lead-based paint chips and dust found between the inside window sash and the screen/storm window cause many cases of childhood lead poisoning.

**Many original windows in homes built before 1960 have peeling or chipping lead-based paint in this area.**



## What are the Signs of Lead Poisoning in Children?

*Most lead-poisoned children do not show any signs of the disease.*

Some, however, may have the following symptoms:

- |                                    |  |
|------------------------------------|--|
| ❑ Poor muscle coordination         | ❑ Easily excited                         |
| ❑ Not able to pay attention        | ❑ Stomach aches                          |
| ❑ More tired than usual            | ❑ Speech, language and behavior problems |
| ❑ Decreased muscle and bone growth | ❑ Hearing damage                         |

Lead-poisoned children may have learning and behavior problems as they grow older.

Children with very high lead levels may develop seizures, become unconscious, or even die.

**Lead poisoning is especially dangerous to children because:**

- ❑ Young children's bodies absorb more lead than older children and adults.
- ❑ Young children can easily be damaged by even small amounts of lead.



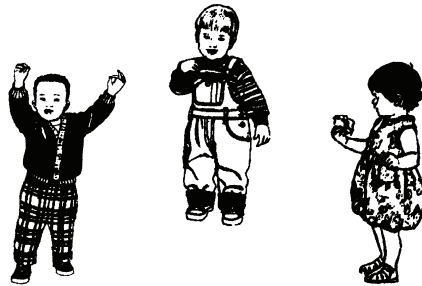


## What are the Effects of Lead Poisoning?

*No amount of lead in your blood is a healthy amount.*

In children, lead poisoning can cause:

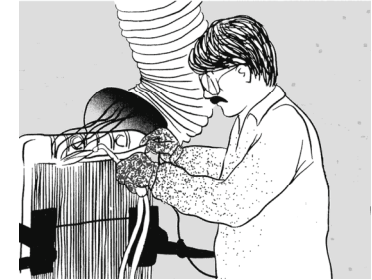
- Damage to the brain and nervous system.
- Behavioral problems.
- Anemia.
- Liver and kidney damage.
- Hearing loss.
- Seizures.
- Hyperactivity.
- Developmental delays.
- In extreme cases, death.



*Even children who appear healthy can have dangerous levels of lead in their bodies.*

## How Do Adults Become Lead-Poisoned?

Adults are lead-poisoned by breathing lead fumes and lead dust. They can also get lead dust on their hands, face and clothes and swallow it if they eat, smoke, or apply cosmetics without washing their hands and face.



Most Iowa adults with elevated blood lead levels were exposed by working with lead. Lead is found in many types of work, including metals refining, battery manufacturing, construction and demolition, commercial or residential renovation, repair and painting, scrap metal and electronics recycling, radiator repair, road and bridge work, and manufacturing equipment containing metals.



Some adults have been lead-poisoned doing renovation, painting, or repair work because they did not use lead-safe work practices ([See pages 37-38](#)).

Some adults are lead-poisoned by hobbies like target shooting, casting or reloading ammunition, stripping furniture, and art projects. Adults may also be exposed to lead if they use supplements or herbal products that are not regulated by the FDA.

*Anything that produces lead dust or fumes can cause lead poisoning.*

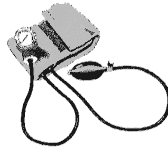


## What are the Signs of Lead Poisoning in Adults?

*Many lead-poisoned adults do not have symptoms but lead may still harm their health.*

Some types of health problems adults with lead exposures may have:

- Trouble remembering and concentrating
- Depression
- Tire easily
- Muscular weakness and abdominal pain
- Headaches or irritability
- Mood disorders
- Unable to sleep
- High blood pressure
- Pain, numbness or tingling of extremities
- Kidney (renal) problems
- Fertility problems (men and women)
- Digestive problems



Adults are more likely to have symptoms if their blood lead levels are very high or go up quickly. However, even low level or chronic lead exposure can cause health problems, or make existing problems worse. Be sure to talk to your medical provider if you are exposed to lead at work or at home. You may need regular blood lead testing to monitor your exposure. Visit: <http://www.idph.state.ia.us/LPP/ABLES.aspx>

## Why Should Iowans Be Concerned About Lead Poisoning?

Iowa's rate of lead poisoning is still a significant problem in Iowa.

Homes with lead hazards exist in both rural and urban areas.

Roughly 70 percent of the homes in Iowa were built before 1978.

Roughly 45 percent of homes in Iowa were built before 1960.



Older homes, especially those built before 1960, are more likely to contain lead-based paint and lead-based hazards.



## How Can You Find Out If You Or Your Children Are Lead-Poisoned?

The only way to tell if a person is lead-poisoned is to get a blood lead test.

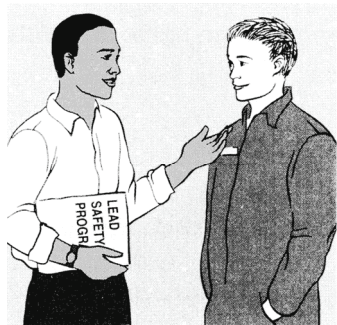
*All Iowa children under the age of 6 years should be tested regularly for lead poisoning.*



A blood lead test is required for children who are enrolled in Medicaid.

Ask your health care provider to do a blood lead test whenever your child has a check-up.

Many children have normal blood lead levels at 6-12 months of age. However, these same children may become lead-poisoned when they are older and more active. So, it's important to get their blood lead tested at least once a year until they are 6 years old.



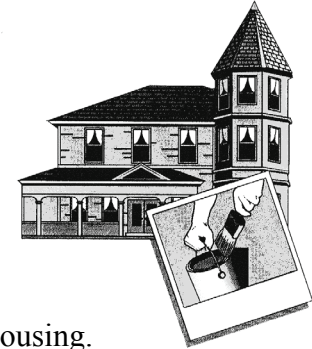
If you work with lead on the job, your employer may be required to provide blood lead testing or you may ask your family doctor to order a blood lead test. Consider getting tested if you have recently remodeled or removed paint in an older home. See the IDPH Adult Lead website for more information: [www.idph.state.ia.us/LPP/ABLES.aspx](http://www.idph.state.ia.us/LPP/ABLES.aspx)

## LEAD-BASED PAINT AND LEAD-BASED PAINT HAZARDS

The federal government banned the use of lead-based paint in housing in 1978.

**Any home or child-occupied facility built before 1978 can have lead-based paint in it.**

This includes homes in the city and the country. It also includes multi-family homes, apartments, private housing, and publicly-owned housing.



*In Iowa, most children who are lead-poisoned have lived in or visited homes built before 1960.*



This is because pre-1960 homes usually have more layers of lead-based paint than newer homes.

Also, paint that was used before 1960 usually contained more lead than paint used after 1960.

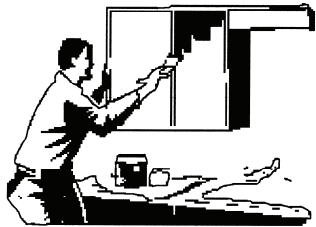
Homes built before 1960 are more likely to have peeling and chipping lead-based paint.





***In Iowa homes, many interior and exterior wood surfaces that were painted before 1960 have lead-based paint on them.***

This includes windows, baseboards, doors, exterior siding, and porches.



Some, although not all, interior walls in pre-1960 homes were painted with lead-based paint.

Kitchen and bathroom walls are the most likely to have lead-based paint on them.

Old garages, farm buildings, and fences may also be painted with lead-based paint.



Soil around older homes often has high levels of lead. Avoid vegetable gardens near the drip line of old houses. This is because lead-based paint from the exterior gets in the soil when it peels and chips or when it is scraped.



In very large urban areas of the United States, soil sometimes contains high levels of lead from past use of leaded gas in cars.

In Iowa, most lead in the soil around older homes comes from lead-based paint.

## When is Lead-Based Paint a Hazard?

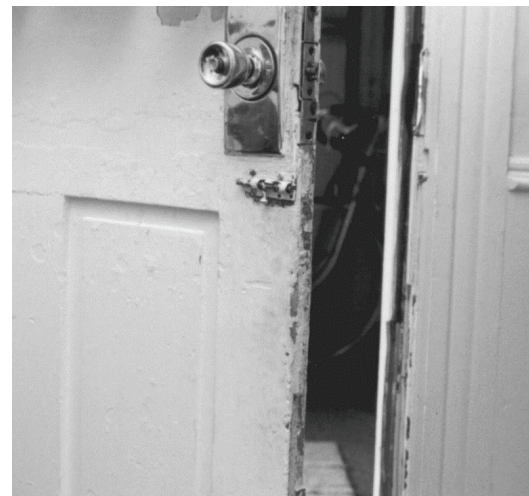
**Lead-based paint that is peeling, chipping, chalking, cracking, or otherwise deteriorating is a hazard to small children.**

**Lead-based paint in good condition may be a hazard on:**

- ❑ Surfaces children can chew on (window sills, stair railings, porch railings).



- ❑ Surfaces where paint is often damaged by hard impacts (doors, door frames, corners).





- ❑ Surfaces where paint is worn by being walked on such as floors and stairs can be a lead hazard.

**Lead dust** may be on the floors and other surfaces if there has been any remodeling or repainting in your home recently.



**Lead in soil** is a hazard when children play in areas of bare soil next to old buildings.

Areas of bare soil where buildings have been torn down are also a hazard to children.

## CHECKING YOUR HOME FOR LEAD-BASED PAINT HAZARDS



- ❑ In Iowa, if your child has a blood lead level of 20  $\mu\text{g}/\text{dL}$  or higher then your local health or housing agency or the state health department will come to your home and help you find lead hazards.

- ❑ Some jurisdictions may perform inspections at lower levels. Check with your local health or housing agency for more details.



- ❑ You can hire a certified inspector/risk assessor. In Iowa, certified inspector/risk assessors must check surfaces for lead, tell homeowners if surfaces with lead-based paint are a hazard, and recommend how to address these hazards. Contact the Iowa Department of Public Health at 800-972-2026 to get a list of certified inspectors/risk assessors or visit the website at: <http://www.idph.state.ia.us/LPP/Certification.aspx>.

- ❑ Use the self-help checklist on pages 19 to 27 in this booklet to decide if your home might have lead hazards.



If you are planning to purchase, lease, or renovate a home built before 1978, consider having the home checked for lead based paint and lead-based paint hazards.



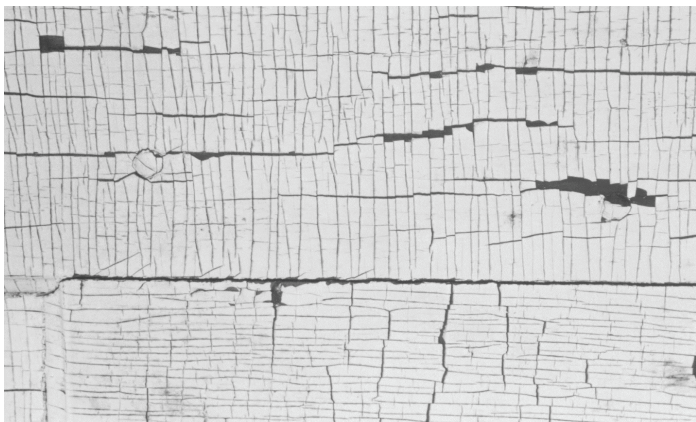
## Finding the Lead-based Paint Hazards In and Around Your Home

*You should assume that all of the paint, stain, or other coatings in your home contain lead unless you live in a home built after 1978.*

Look for paint, stain, or other coatings that are:

- Loose.
- Cracked or chipping.
- Peeling or flaking.
- Rubbing off.
- Deteriorating in any way.

These are **HAZARDS** that can cause lead poisoning.



When paint chips off these surfaces, all layers of paint usually come off together. This is a **HAZARD** that can cause lead poisoning because the bottom layers of paint may contain lead - even if the surface has been repainted with lead-free paint.

Paint that has an “alligator” cracking pattern or rubs off on your hands (chalks) is usually lead-based paint. Cracked or chalking paint is a **HAZARD** that can cause lead poisoning.



Old varnish that looks cloudy may contain lead. Lead-based paint was often mixed with varnish to give it a deeper, richer color. If the finish is cracked or peeling, old varnish is a **HAZARD** that can cause lead poisoning.



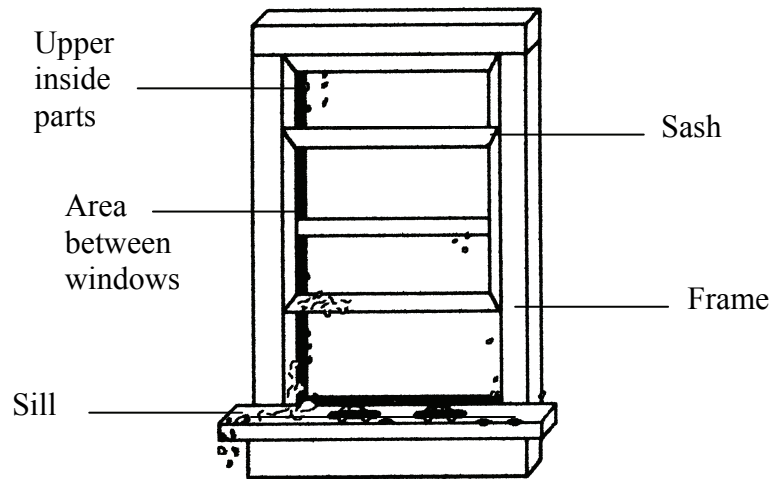
Use pages 21 to 27 to look for lead hazards in your home. Mark the **HAZARD** box when you find a problem.





## Window Hazards

*Many Iowa children are lead-poisoned by windows.*

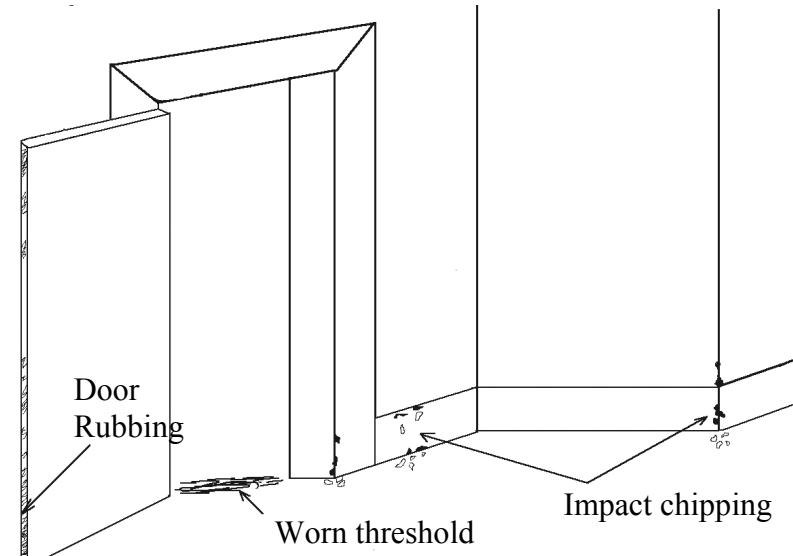


These are **HAZARDS** that can cause lead poisoning.

### Window Check List:

Frame	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Sash (front and back)	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Sill	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Area between windows:		
Bottom	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Sides	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Top	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Upper inside parts	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Signs of chewing	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD

## Woodwork, Wall, and Door Hazards



Check all surfaces for chipping and peeling paint. Look for paint chips on the floor and in the carpet. Look for impact chipping at corners of door frame, baseboard, and walls. Look for rub or scrape marks on door edges.

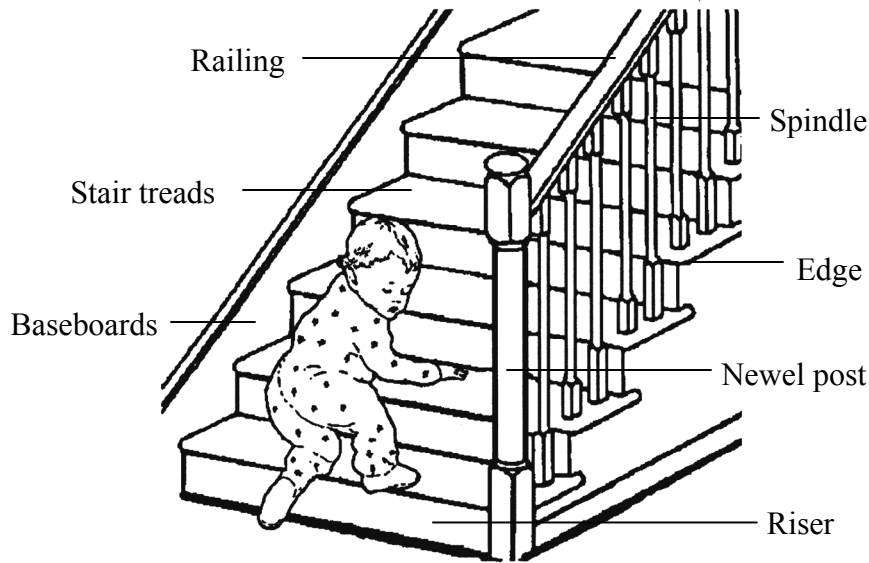
These are **HAZARDS** that can cause lead poisoning.

### Woodwork, Wall & Door Check List:

Doors	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Door frames	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Baseboards	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Wall corners	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Doorway thresholds	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD



## Stair Hazards



Children love to play or just sit on stairs.

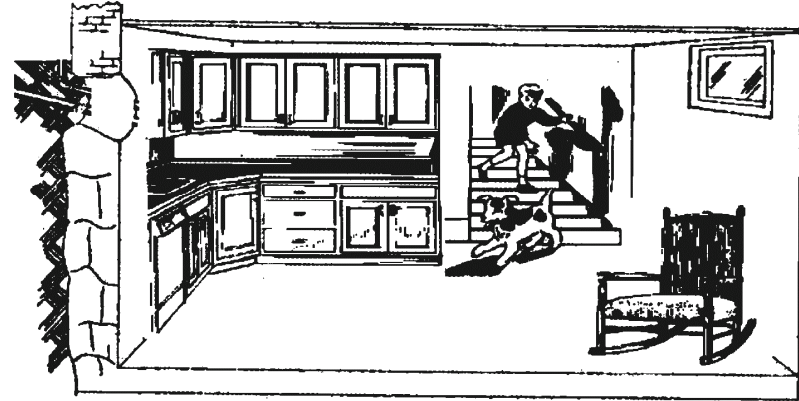
Check all areas for chipping, peeling, etc. paint. Look for chewing on spindles, railing, stair treads & edges. Check risers, baseboards, and stair treads for impact chipping. Look for worn areas on treads.

These are **HAZARDS** that can cause lead poisoning.

### Stairs Check List:

Railing and spindles	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Newel post	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Stair treads and edges	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Risers and baseboards	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD

## Basement Hazards



Check all surfaces for peeling and chipping paint. Look for impact chipping and worn areas.

Check old furniture and toys in storage.

These are **HAZARDS** that can cause lead poisoning.

### Basement Check List:

Basement stairwell	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Upper floor joists & ceiling	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Doors & door frames	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Painted walls & floors	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Discarded wood trim	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Built-in cabinets, shelves, trim	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Painted beams & support posts	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Discarded furniture and toys	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD





## Porch Hazards



Children like to sit and play on porches. Children can get into lead-based paint chips and dust if the porch and house siding have been painted with lead-based paint.

Check ALL the areas listed below for chipping or peeling paint. Look for chewing on trim, steps, railings, and spindles. Look for worn areas on painted floors.

These are **HAZARDS** that can cause lead poisoning.

### Porch Check List:

Ceiling	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Walls	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Trim	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Floors	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Steps	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Railings	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD

## Exterior Hazards



Look for chipping and peeling paint on all surfaces. Be sure to check all exterior window frames (including basement windows) and overhangs.

Look for paint chips lying on the ground or sidewalk around all buildings on the property.

These are **HAZARDS** that can cause lead poisoning.

### Exterior Building Check List:

Siding	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Window Frames	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Trim	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Overhangs	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Doors	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Gutters	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Soil & sidewalks	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD



## Outside Play Area Hazards

Check all the places where your children play outside.

Look closely for chipping or peeling paint on nearby buildings.

Look for paint chips in the soil or on sidewalks.

Check for bare soil in play areas. Any bare soil near an old building may contain lead-based paint chips and dust - even if the building has been sided, repainted, or torn down.



These are **HAZARDS** that may cause lead poisoning.

### Play Area Check List:

Gym set	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Sand box	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Swimming pool	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD
Other areas	<input type="checkbox"/> Safe	<input type="checkbox"/> HAZARD

## How Can You Safely Reduce Lead Hazards in Your Pre-1978 Home?

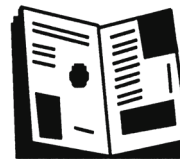
If the property **is not owner occupied** then the renovation or repair work must be completed by a certified lead professional.

**Certified Lead Professionals can help identify, repair, or eliminate lead-based paint and lead-based hazards.**



Any person that deals with lead-based paint must be certified.

Certified lead professionals must hire trained workers and follow strict safety rules to protect their workers and people who live in the homes where they work.



(Read more about the safety rules on [pages 37 and 38.](#))



## PROTECTING YOUR FAMILY FROM LEAD-BASED PAINT HAZARDS

### If you find hazards in your home:

- Do not panic!**
- If you rent, tell your landlord about the hazards that you find. Any hazards that are found must be fixed by a certified lead professional.
- If you own, do **NOT** sand, scrape, or remove any paint, walls, windows, or plaster until you know how to do it safely. Call the Iowa Department of Public Health at 800-972-2026 to find out how to do this work safely.



- Have all children under the age of 6 years tested for lead poisoning.
- Supervise your children very carefully. Keep them away from areas where there is peeling and chipping paint.

- Do not allow children to chew on painted surfaces such as window sills, stair rails, furniture, jewelry or toys.
- Do not allow children to put paint chips or soil in their mouths.



- Weekly, clean floors, baseboards and window sills where small children play. Wash woodwork and painted surfaces with warm water and a general all-purpose cleaner.

**Remember: Never mix ammonia and bleach together since they form a dangerous gas.**

- Wash toys, pacifiers, and bottles that children drop on the floor.
- Wash children's hands often, especially before they eat.



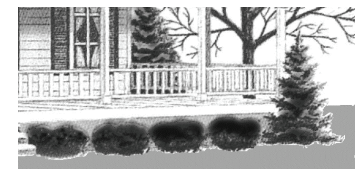
- Pick up paint chips that you see on the floor, inside windows, or in other places where your children play.

Put the paint chips in a garbage bag and dispose of them in the landfill with your regular garbage.



- Do not let children play outside in areas where there are paint chips on the ground. Pick up as many of the paint chips as you can.

Cover the soil in these areas by seeding grass, laying sod, planting some shrubs, or covering with mulch.



- ☐ **Serve your child at least 3 meals a day.**

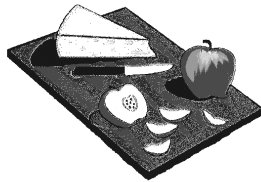
A child with an empty stomach absorbs more lead. Children who have poor appetites, or who do not eat regularly, have a higher risk of becoming lead poisoned.



- ☐ **Serve your child healthy snacks.**

### HEALTHY SNACKS

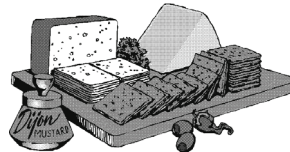
muffins  
yogurt  
broccoli  
zucchini  
celery sticks



cheese cubes  
saltine crackers  
graham crackers  
dry oat cereal rings



apple slices  
melon cubes  
orange sections  
carrot sticks  
cottage cheese



- ☐ **Serve your child food that are high in Vitamin C.**  
Vitamin C helps the body absorb more iron.

### VITAMIN C SOURCES

orange  
orange juice  
grapefruit  
cantaloupe  
strawberries



peppers (green, red, chili)  
broccoli  
tomato  
potatoes



- ☐ **Serve your child foods that are high in calcium and iron.**  
Iron helps stop the lead from being absorbed into the body.

### IRON SOURCES

chicken  
beef  
fish  
pork  
greens  
oatmeal  
cornmeal  
soybeans  
brown rice  
dried beans  
prune juice  
dried apricots  
enriched bread  
iron-fortified cereal



liver  
kidney  
turkey  
oysters  
raisins  
lentils  
spinach  
broccoli  
sardines  
dried peas  
dried peaches  
oat or wheat bran  
whole wheat bread

Calcium also helps prevent lead from being absorbed into the body.

### CALCIUM SOURCES

milk  
cheese  
yogurt  
pudding  
ice cream  
cottage cheese



calcium-fortified orange juice  
sardines with bones  
salmon with bones  
tofu (firm, fortified)  
fortified soy milk  
milk-based soup  
mustard greens  
collard greens  
broccoli  
greens  
sesame seeds



## KEEPING YOUR FAMILY SAFE DURING RENOVATION

If you are going to prepare for repainting, removing paint, or tearing out walls in an old home, you should do one of the following:

- Have the paint tested to see if it is lead-based paint.
  - 1.) Hire a certified lead inspector to safely and accurately assess the lead dangers in your home. You can find a list of certified lead inspectors on the IDPH website at: <http://www.idph.state.ia.us/LPP/Certification.aspx>
- Assume that it is lead-based paint and take the appropriate precautions\*.
  - 1.) Never dry scrape, dry sand, power sand, power wash, grind, or blast with power tools and equipment not equipped with a shroud and HEPA vacuum attachment. Do not use a torch, needle gun, planer, or use a high temperature heat gun to remove lead-based paint.
  - 2.) Clean up thoroughly every day. Dispose of waste in a heavy duty bag or sheet.

**\*NOTE: Only owner-occupants can perform renovation, remodeling, and repainting without certification.**

Contact the Iowa Department of Public Health (IDPH) at 800-972-2026 to find out how to do this work safely. IDPH also has information about how to find a certified lead professional that will do the work safely.

## Your Responsibility as a Property Owner

*You have the ultimate responsibility for the safety of your family, tenants, or children in your care.*

This means properly preparing for the renovation and keeping persons out of the work area ([refer to pg. 36](#)). It also means ensuring the lead professional uses lead-safe work practices.



**Make sure your lead professional is certified, can explain clearly the details of the job, and how the lead professional will minimize lead hazards during the work.**

- You can verify that a lead professional is certified by calling the Iowa Department of Public Health Lead at **800-972-2026** or by visiting the IDPH's website at: <http://www.idph.state.ia.us/LPP/Certification.aspx>
- Ask if the lead professional is trained to perform lead-safe work practices and to see a copy of their certification.
- Ask them what lead-safe methods they will use to set up and perform the job in your home or child-occupied facility. You can also request to see references from at least three recent jobs involving homes built before 1978, and speak to each personally.





**Always make sure the contract is clear about how the work will be set up, performed, and cleaned.**

- Share the results of any previous lead tests with the lead professional.
- You should specify in the contract that they follow the work practices described on pages 37-38 of this booklet.
- The contract should specify which parts of your home are part of the work area and specify which lead-safe practices will be used in those areas. Remember, your certified lead professional should confine dust and debris to the work area and should minimize spreading that dust to other areas of the home.
- The contract should also specify that the certified lead professional will clean the work area, verify that it was cleaned adequately, and re-clean it if necessary.

**If you think a worker is not doing what he or she is supposed to do or is doing something unsafe, you should:**

- Direct the certified lead professional to comply with regulatory and contract requirements.
- Call the Iowa Department of Public Health Lead at **800-972-2026**.

## Preparing for a Renovation

***The work area should not be accessible to occupants while the work occurs.***

Your family should plan accordingly if rooms or areas where work is being done may be blocked off or sealed with plastic sheeting to contain any dust that is generated. You may need:

- Alternative bedroom, bathroom, and kitchen arrangements if work is occurring in those areas of your home.
- A safe place for pets because they too can be poisoned by lead and can track lead dust into other areas of the home.
- A separate pathway for the lead professional from the work area to the outside in order to bring materials in and out of the home. Ideally, it should not be through the same entrance that your family uses.
- A place to store your furniture. All furniture and belongings may have to be moved from the work area while the work is being done. Items that can't be moved, such as cabinets, should be wrapped in plastic.
- To turn off forced-air heating and air conditioning systems while the work is being done. This prevents dust from spreading through vents from the work area to the rest of your home.

***You may even want to move out of your home temporarily while all or parts of the work is being done. Child care facilities and schools may want to consider alternative accommodations for children and access to necessary facilities.***



## During the Renovation Work

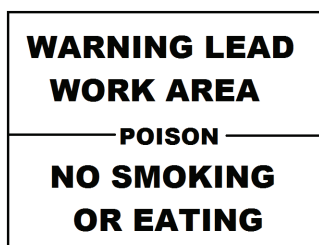
Iowa law requires lead professionals to be certified and to follow specific work practices to prevent lead contamination when hired to perform renovation, repair, and painting projects that may disturb paint in homes or child-occupied facilities built before 1978.

*A lead professional must follow these three simple procedures:*

### 1. Contain the work area.

The area must be contained so that dust and debris do not escape from that area. Warning signs must be put up and plastic or other impermeable material and tape must be used as appropriate to:

- Cover the floors and any furniture that cannot be moved.
- Seal off doors and heating and cooling systems.
- For exterior renovations, cover the ground.
- In some instances, a vertical containment system may be necessary.



### 2. 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.
- Uncontained water blasting.
- Using a heat gun at temperatures greater than 1100°F.
- Dry sanding and dry scraping.
- Sanding, grinding, planing, needle gunning, or blasting with power tools and equipment not equipped with a shroud and HEPA vacuum attachment.

*There is no way to eliminate dust, but some renovation methods make less dust than others. Lead professionals may choose to use various methods to minimize dust generation, including using water to mist areas before sanding or scraping; scoring paint before separating components; and prying and pulling apart components instead of breaking them.*

### 3. Clean up thoroughly.

The work area should be cleaned up daily to keep it as clean as possible. When all the work is done, the area must be cleaned up using special cleaning methods before taking down any plastic that isolates the work area from the rest of the home.

The special cleaning methods should include:

- Using a HEPA vacuum to clean up dust and debris on all surfaces, followed by
- Wet wiping and wet mopping with plenty of rinse water.



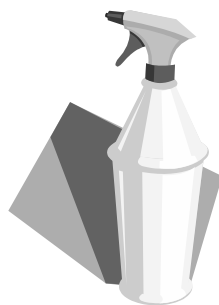
## After the Renovation Work

### *Iowa law requires cleaning verification.*

Iowa's rules for lead-safe renovation requires lead professionals to follow a specific cleaning protocol.

The protocol requires the lead professional to use disposable cleaning cloths to wipe the floor and other surfaces of the work area and compare these cloths to a cleaning verification card to determine if the work area was adequately cleaned.

You may also be interested in having a lead-dust test done at the completion of the renovation work **Lead-dust tests are wipe samples sent to a laboratory for analysis. You will get a report specifying the levels of lead found after the renovation work is completed.**



Contact the National Lead Information Center for more information including lists of EPA-recognized testing laboratories (refer to [page 46](#)). If you decide you would like a lead professional to do the lead-dust test, specify this desire in your contract, prior to the start of work. To locate a lead professional who will perform an evaluation near you, visit the IDPH's website at:

<http://www.idph.state.ia.us/LPP/Certification.aspx>

## OTHER SOURCES OF LEAD

Iowa children have also been poisoned by other sources of lead.



- Food and liquids cooked in lead-glazed pottery or stored in lead crystal or lead-glazed pottery or porcelain.
- Lead in soil around a battery plant or battery recycling plant.

- Home remedies that contain lead such as azarcon and Greta. For more information: [www.cdc.gov/nceh/lead/tips/folkmedicine.htm](http://www.cdc.gov/nceh/lead/tips/folkmedicine.htm)



- Candy that comes from Mexico or southeast Asia.
- Toys or jewelry that contain lead or have lead in the surface paint design.
- A history or living in or visiting places with a higher concentration of lead in the environment. Many countries have more lead exposure from the environment than the United States.

Although some Iowa children have been lead-poisoned by these sources, **the major source is still lead-based paint used in homes built before 1960.**



## Is Lead in Water a Problem for Your Family?

City and rural water departments must test their water for lead. If the lead level is high, they must send a notice to their customers. If you get one of these notices, you may be concerned.



However, lead in drinking water is not a major source of lead for most children.



Lead in water may cause lead poisoning in babies who drink formula made with water that has high lead levels.

This usually happens when formula is made using tap water. The water can pick up lead from pipes, solder, or faucets when it sits in pipes overnight.

Therefore, tap water may have a high lead level first thing in the morning.

Hot water dissolves more lead than cold water. So, formula made with this hot tap water can have **very** high lead levels. Boiling does not take lead out of the water. In fact, boiling the water so long that part of the water boils away **increases** the concentration of lead in the remaining water.



Lead in water comes mainly from inside your home.

It can be in lead pipes, lead solder, or faucets with brass parts.

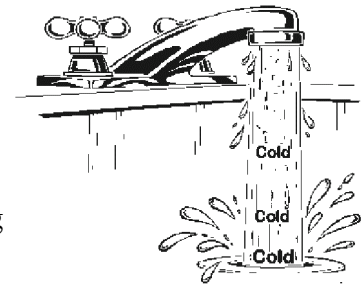
Do not replace faucets or plumbing just because your water has a high lead level. New faucets may put more lead into your water.



Replacing old lead solder with new lead-free solder may also put more lead into your water. If you replace solder, be sure to get all the old solder out of the pipes.

If you use tap water to make baby formula, do the following to keep your baby safe:

1. Let the cold water run for several minutes before using it to make formula.
2. **Do NOT use hot tap water to make formula.** Always use cold water and warm it to the right temperature.
3. If your doctor recommends boiling the water before making formula, do **not** boil the water longer than **two minutes**.



If you would like to test your water for lead, contact the:

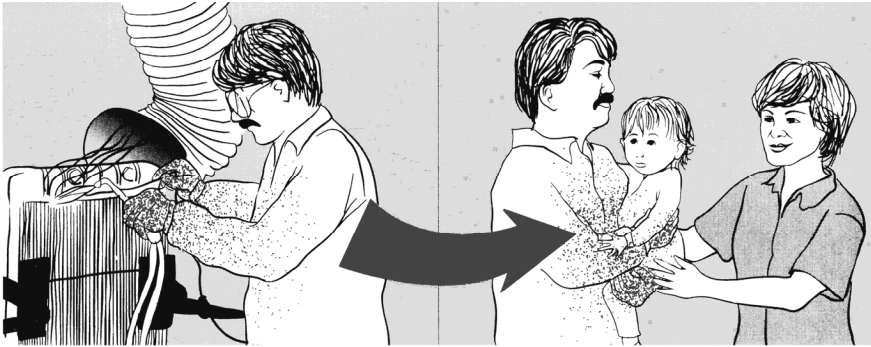
State Hygienic Laboratory at the  
University of Iowa  
515-725-1600

<http://www.shl.uiowa.edu/>



## Is Working with Lead a Problem for Your Family?

If you work with lead in your job or hobby, you can expose your children by bringing lead home.



Some employers are required to ensure that workers do the following to protect their families from lead:



- Change into work clothes and shoes after getting to work.
- Put street clothes and shoes in a clean locker or clean plastic bag.
- Remove work clothes and shoes before going home.
- Shower before putting on street clothes and shoes.

Some employers are not required to provide a shower and changing room. If your employer does not provide these things, or if you work with lead in a hobby, try to do these recommendations:

- Make a special changing area at home. This could be in the garage or basement.

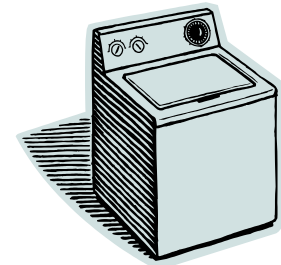
Change in this area and shower before touching anyone or anything in the house.



- Remove work clothes before leaving the changing area.
- Keep **all** work clothes away from children.

If you need to wash work clothes, do the following:

- Take work clothes home in a plastic bag and wet the clothes before removing them from the bag.
- Throw away the bag used to carry the work clothes home.
- Wash work clothes separately from any other clothes.





## MORE INFORMATION

### *Iowa*



#### [Iowa Department of Public Health](#) **800-972-2026**

Call for current information about lead in Iowa and copies of this booklet.

Hearing impaired, call TDD 800-735-2942  
Fax: 515-281-4529

Your local city or county lead program, health department, or housing agency. (Some cities and counties have their own rules on lead-based paint activities.)

### *National*



#### [The National Lead Information Center](#) **800-LEAD-FYI**

Call to learn how to protect children from lead poisoning.

The National Lead Information Center  
Clearinghouse  
**800-424-LEAD (5323)**  
Call for other information on lead hazards.

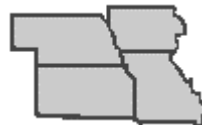
Hearing impaired, call TDD 800-526-5456  
Fax: 301-585-7976  
Internet: [www.epa.gov/lead/nlic.htm](http://www.epa.gov/lead/nlic.htm)



EPA's Safe Drinking Water Hotline  
800-426-4791  
Call for information about lead in drinking water.

Consumer Product Safety Commission (CPSC) Hotline  
To request information on lead in consumer products or to report an unsafe consumer product or a product-related injury, call 800-638-2772. (Internet : [info@cpsc.gov](mailto:info@cpsc.gov))  
Hearing impaired, call TDD 1-800-638-8270.

### *Regional*



EPA Regional Office  
Your Regional EPA Office can provide further information regarding regulations and lead protection programs.  
Region 7  
(Iowa, Kansas, Missouri, and Nebraska)  
11201 Renner Blvd.  
Lenexa, KS 66219  
(913) 551-7003

CPSC Regional Office  
Consumer Product Safety Commission  
Central Regional Center  
230 South Dearborn Street  
Room 2944  
Chicago, IL 60604-1601  
(312) 353-8260



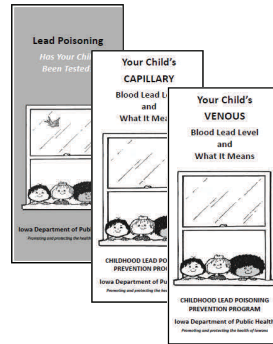
The National Lead Information Center can provide a variety of resource materials, including the following guides to lead-safe work practices.

- Steps to Lead Safe Renovation, Repair and Painting*
- Protect Your Family from Lead in Your Home*
- Lead in Your Home: A Parent's Reference Guide*

These materials are available by calling  
**800-424-LEAD (5323)** or online at:

<http://www2.epa.gov/lead/documents-and-outreach-materials>

The Iowa Department of Public Health Lead Poisoning Prevention website also has downloadable copies of each of the following resources:



- Lead Poisoning: How to Protect Iowa Families*
- Your Child's Venous Blood Lead Level and What it Means*
- Your Child's Capillary Blood Lead Level and What it Means*
- Lead Poisoning: Has your Child Been Tested?*

<http://www.idph.state.ia.us/LPP/Resources.aspx>



**Iowa Department of Public Health**  
Lead Poisoning Prevention Program  
Lucas State Office Building  
Des Moines, Iowa 50319-0075  
(800) 972-2026

**NOTICE TO RESIDENTS FOR WORK DONE IN COMMON AREAS  
OF MULTI-FAMILY HOUSING OR CHILD-OCCUPIED FACILITIES**

**NOTIFICATION PRIOR TO RENOVATION, REMODELING, OR REPAINTING**

**CHECK ONE BELOW**

Non-emergency renovation, remodeling, or repainting \_\_\_\_\_

Emergency renovation, remodeling, or repainting \_\_\_\_\_

**Address:** \_\_\_\_\_

**General nature of work:** \_\_\_\_\_

**Location of work:** \_\_\_\_\_

**Expected starting date:** \_\_\_\_\_ **Expected ending date:** \_\_\_\_\_

Some of the paint disturbed during this renovation, remodeling, and repainting may contain lead. You can get a copy of the pamphlet, *Lead Poisoning: How to Protect Iowa Families*, at no cost, by calling me at \_\_\_\_\_. Please leave a message and be sure to include your name, address, and phone number. I will either mail you a pamphlet or leave one at your unit.

\_\_\_\_\_  
**Printed Name of Contractor**                      **Signature of Contractor**                      **Date**

\_\_\_\_\_  
**Contractor Address**    **City**    **State**                      **Phone**

**RECORD OF TENANT NOTIFICATION PROCEDURES FOR WORK DONE IN  
COMMON AREAS OF MULTI-FAMILY HOUSING OR CHILD-OCCUPIED FACILITIES  
NOTIFICATION PRIOR TO RENOVATION, REMODELING, OR REPAINTING**

**Project Address**

**Street** \_\_\_\_\_

**City** \_\_\_\_\_ **State** \_\_\_\_\_ **Zip Code** \_\_\_\_\_

**Owner of Multi-Family Housing** \_\_\_\_\_

**Number of Units in Multi-Family Housing** \_\_\_\_\_

**Method of Delivering Notices to Each Unit:** \_\_\_\_\_

(ex., slipping under door, taping to door, putting in each mailbox, etc.)

\_\_\_\_\_  
**Printed Name of Contractor**                      **Signature of Contractor**                      **Date**

\_\_\_\_\_  
**Contractor Address**    **City**    **State**                      **Phone**

\_\_\_\_\_  
**Printed Name of Person Delivering Notices (if other than contractor)**                      **Date**

\_\_\_\_\_  
**Signature of Person Delivering Notices (if other than contractor)**

**NOTICE TO OWNER FOR WORK DONE IN COMMON AREAS OF  
MULTI-FAMILY HOUSING OR CHILD-OCCUPIED FACILITIES**

NOTIFICATION PRIOR TO RENOVATION, REMODELING, OR REPAINTING

**CHECK ONE BELOW**

Non-emergency renovation, remodeling, or repainting \_\_\_\_\_  
Emergency renovation, remodeling, or repainting \_\_\_\_\_

**Address:** \_\_\_\_\_

**General nature of work:** \_\_\_\_\_

**Location of work:** \_\_\_\_\_

**Expected starting date:** \_\_\_\_\_ **Expected ending date:** \_\_\_\_\_

I have received the pamphlet entitled *Lead Poisoning: How to Protect Iowa Families* and am aware of the potential health risk associated with remodeling, renovation, or repainting housing containing lead-based paint or lead-based paint hazards. Except in the case of emergency renovation, remodeling, and repainting, I received this pamphlet before the work began.

\_\_\_\_\_  
**Printed Name of Owner**                      **Signature of Owner**                      **Date**

\_\_\_\_\_  
**Printed Name of Contractor**                      **Signature of Contractor**                      **Date**

\_\_\_\_\_  
**Contractor Address**    **City**    **State**                      **Phone**

**Note Regarding Certificate of Mailing Option**

As an alternative to delivery in person, you may mail the pamphlet to the owner via certified mail with return receipt or its equivalent at least 7 days before the work begins. In the case of emergency renovation, remodeling, and repainting, mail the pamphlet to the owner and/or tenant via certified mail with return receipt or its equivalent as soon as possible after the work begins.

On \_\_\_\_\_, I sent the pamphlet to the owner by \_\_\_\_\_.

Attach receipt for certified mail or its equivalent.

\_\_\_\_\_  
**Printed Name of Contractor**                      **Signature of Contractor**                      **Date**

\_\_\_\_\_  
**Contractor Address**    **City**    **State**                      **Phone**

**EMERGENCY RENOVATION, REMODELING, AND REPAINTING WORK DONE  
IN A SINGLE DWELLING UNIT OR CHILD-OCCUPIED FACILITY  
NOTIFICATION PRIOR TO RENOVATION, REMODELING, OR REPAINTING**

**Address:** \_\_\_\_\_

**General nature of work:** \_\_\_\_\_

**Location of work:** \_\_\_\_\_

**Expected starting date:** \_\_\_\_\_ **Expected ending date:** \_\_\_\_\_

Some of the paint disturbed during this emergency renovation, remodeling, and repainting may contain lead. I have included a copy of the pamphlet, *Lead Poisoning: How to Protect Iowa Families*, with this notice.

\_\_\_\_\_  
**Printed Name of Contractor**                      **Signature of Contractor**                      **Date**

\_\_\_\_\_  
**Contractor Address**    **City**    **State**                      **Phone**

**Note Regarding Certificate of Mailing Option**

As an alternative to delivery in person, you may mail the pamphlet to the owner and/or tenant via certified mail with return receipt or its equivalent as soon as possible after the work begins.

On \_\_\_\_\_, I sent the pamphlet to the owner and/or tenant by \_\_\_\_\_

Attach receipt for certified mail or its equivalent.

\_\_\_\_\_  
**Printed Name of Contractor**                      **Signature of Contractor**                      **Date**

\_\_\_\_\_  
**Contractor Address**    **City**    **State**                      **Phone**



**WORK DONE IN A SINGLE DWELLING UNIT  
OR CHILD-OCCUPIED FACILITY**

NOTIFICATION PRIOR TO RENOVATION, REMODELING, OR REPAINTING

**Address:** \_\_\_\_\_

**General nature of work:** \_\_\_\_\_

**Location of work:** \_\_\_\_\_

**Expected starting date:** \_\_\_\_\_ **Expected ending date:** \_\_\_\_\_

I have received the pamphlet entitled *Lead Poisoning: How to Protect Iowa Families* and am aware of the potential health risk associated with remodeling, renovation, or repainting housing containing lead-based paint or lead-based paint hazards. I received this pamphlet before the work began.

\_\_\_\_\_  
**Printed Name of Owner**                      **Signature of Owner**                      **Date**

\_\_\_\_\_  
**Printed Name of Occupant**                      **Signature of Occupant**                      **Date**

\_\_\_\_\_  
**Printed Name of Contractor**                      **Signature of Contractor**                      **Date**

\_\_\_\_\_  
**Contractor Address**    **City**    **State**                      **Phone**

**Note Regarding Certificate of Mailing Option**

As an alternative to delivery in person, you may mail the pamphlet to the owner and/or tenant via certified mail with return receipt or its equivalent at least 7 days before the work begins.

On \_\_\_\_\_, I sent the pamphlet to the owner and/or tenant by \_\_\_\_\_

**Attach receipt for certified mail or its equivalent.**

\_\_\_\_\_  
**Printed Name of Contractor**                      **Signature of Contractor**                      **Date**

\_\_\_\_\_  
**Contractor Address**    **City**    **State**                      **Phone**

If the pamphlet was delivered, but the signature of the known adult occupant could not be obtained, check the appropriate box below:

- I certify that I have made a good-faith effort to deliver the pamphlet, *Lead Poisoning: How to Protect Iowa Families*, to the unit listed below at the dates and times indicated, and that an adult occupant was unavailable to sign the acknowledgment. I further certify that I have left a copy of the pamphlet at the unit with the occupant.
- I certify that I have made a good-faith effort to deliver the pamphlet, *Lead Poisoning: How to Protect Iowa Families*, to the unit listed below at the dates and times indicated, and that the occupant refused to sign the acknowledgment. I further certify that I have left a copy of the pamphlet at the unit.

\_\_\_\_\_  
**Printed Name of Person Certifying  
Lead Pamphlet Delivery**

\_\_\_\_\_  
**Signature of Person Certifying Lead Pamphlet  
Delivery**

\_\_\_\_\_  
**Attempted Delivery Date and Time**

\_\_\_\_\_  
**Where Pamphlet was Left (ex., taped to the  
door, slipped under the door, etc.)**

\_\_\_\_\_  
**Printed Name of Contractor**                      **Signature of Contractor**                      **Date**

\_\_\_\_\_  
**Contractor Address**    **City**    **State**                      **Phone**

## Home Purchase -- Disclosure of Information on Lead-Based Paint and/or Lead-Based Paint Hazards

### Lead Warning Statement

Every purchaser of any interest in residential real property on which a residential dwelling was built prior to 1978 is notified that such property may present exposure to lead from lead-based paint that may place young children at risk of developing lead poisoning. Lead poisoning in young children may produce permanent neurological damage, including learning disabilities, reduced intelligence quotient, behavioral problems, and impaired memory. Lead poisoning also poses a particular risk to pregnant women. The seller of any interest in residential real property is required to provide the buyer with any information on lead-based paint hazards from risk assessments or inspections in the seller's possession and notify the buyer of any known lead-based paint hazards. A risk assessment or inspection for possible lead-based paint hazards is recommended prior to purchase.

### Seller's Disclosure

(a) Presence of lead-based paint and/or lead-based paint hazards (check (i) or (ii) below):

(i) \_\_\_\_\_ Known lead-based paint and/or lead-based paint hazards are present in the housing (explain).

\_\_\_\_\_  
(ii) \_\_\_\_\_ Seller has no knowledge of lead-based paint and/or lead-based paint hazards in the housing.

(b) Records and reports available to the seller (check (i) or (ii) below):

(i) \_\_\_\_\_ Seller has provided the purchaser with all available records and reports pertaining to lead-based paint and/or lead-based paint hazards in the housing (list documents below).

Name of Document(s)

Inspector/Author

Date of Document

\_\_\_\_\_  
(ii) \_\_\_\_\_ Seller has no reports or records pertaining to lead-based paint and/or lead-based paint hazards in the housing.

### Purchaser's Acknowledgment (initial)

(c) \_\_\_\_\_ Purchaser has received copies of all information listed above.

(d) \_\_\_\_\_ Purchaser has received the pamphlet *Protect Your Family from Lead in Your Home*.

(e) Purchaser has (check (i) or (ii) below):

(i) \_\_\_\_\_ Received a 10-day opportunity (or mutually agreed upon period) to conduct a risk assessment or inspection for the presence of lead-based paint and/or lead-based paint hazards; or

(ii) \_\_\_\_\_ Waived the opportunity to conduct a risk assessment or inspection for the presence of lead based paint and/or lead-based paint hazards.

### Agent's Acknowledgment (initial)

(f) \_\_\_\_\_ Agent has informed the seller of the seller's obligations under 42 U.S.C. 4852d and is aware of his/her responsibility to ensure compliance.

### Certification of Accuracy

The following parties have reviewed the information above and certify, to the best of their knowledge, that the information they have provided is true and accurate.

\_\_\_\_\_  
Signature of Seller                      Date

\_\_\_\_\_  
Signature of Seller                      Date

\_\_\_\_\_  
Printed Name of Seller

\_\_\_\_\_  
Printed Name of Seller

\_\_\_\_\_  
Signature of Purchaser                  Date

\_\_\_\_\_  
Signature of Purchaser                  Date

\_\_\_\_\_  
Printed Name of Purchaser

\_\_\_\_\_  
Printed Name of Purchaser

\_\_\_\_\_  
Signature of Agent                      Date

\_\_\_\_\_  
Signature of Agent                      Date

\_\_\_\_\_  
Printed Name of Agent

\_\_\_\_\_  
Printed Name of Agent

# Home Rental -- Disclosure of Information on Lead-Based Paint and/or Lead-Based Paint Hazards

## Lead Warning Statement

Housing built before 1978 may contain lead-based paint. Lead from paint, paint chips, and dust can pose health hazards if not managed properly. Lead exposure is especially harmful to young children and pregnant women. Before renting pre-1978 housing, lessors must disclose the presence of known lead-based paint and/or lead-based paint hazards in the dwelling. Lessees must also receive a federally approved pamphlet on lead poisoning prevention.

## Lessor's Disclosure

(a) Presence of lead-based paint and/or lead-based paint hazards (check (i) or (ii) below):

(i) \_\_\_\_\_ Known lead-based paint and/or lead-based paint hazards are present in the housing (explain).

(ii) \_\_\_\_\_ Lessor has no knowledge of lead-based paint and/or lead-based paint hazards in the housing.

(b) Records and reports available to the lessor (check (i) or (ii) below):

(i) \_\_\_\_\_ Lessor has provided the lessee with all available records and reports pertaining to lead-based paint and/or lead-based paint hazards in the housing (list documents below).

<u>Name of Document(s)</u>	<u>Inspector/Author</u>	<u>Date of Document</u>
----------------------------	-------------------------	-------------------------

_____	_____	_____
_____	_____	_____

(ii) \_\_\_\_\_ Lessor has no reports or records pertaining to lead-based paint and/or lead-based paint hazards in the housing.

## Lessee's Acknowledgment (initial)

(c) \_\_\_\_\_ Lessee has received copies of all information listed above.

(d) \_\_\_\_\_ Lessee has received the pamphlet *Protect Your Family from Lead in Your Home*.

## Agent's Acknowledgment (initial)

(e) \_\_\_\_\_ Agent has informed the lessor of the lessor's obligations under 42 U.S.C. 4852d and is aware of his/her responsibility to ensure compliance.

## Certification of Accuracy

The following parties have reviewed the information above and certify, to the best of their knowledge, that the information they have provided is true and accurate.

\_\_\_\_\_  
Signature of Lessor                      Date

\_\_\_\_\_  
Printed Name of Lessor

\_\_\_\_\_  
Signature of Lessee                      Date

\_\_\_\_\_  
Printed Name of Lessee

\_\_\_\_\_  
Signature of Agent                      Date

\_\_\_\_\_  
Printed Name of Agent

\_\_\_\_\_  
Signature of Lessor                      Date

\_\_\_\_\_  
Printed Name of Lessor

\_\_\_\_\_  
Signature of Lessee                      Date

\_\_\_\_\_  
Printed Name of Lessee

\_\_\_\_\_  
Signature of Agent                      Date

\_\_\_\_\_  
Printed Name of Agent

Instructions for Property Management Company: If authorized to sign for Landlord, sign and print name, followed by "For [Landlord's name or Name of Company], and then also sign as the Agent.

