



# Lead Poisoning Prevention

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## Where is Lead Found?

- **Paint:** Lead can be found in paint that was made before 1978. This paint can be on any painted surface in your home, like doors, windows, and porches.
- **Dust:** Lead dust in the home comes from lead painted surfaces that are chipping and peeling. Sanding and scraping old paint when repainting or remodeling can also cause a lead dust problem.
- **Soil:** Old paint that has fallen off the outside of your house onto the ground may leave lead in the soil.
- Lead can also be found in ceramic dishes, crystal, food cans from outside the U.S., water pipes, solder and fittings, and some ethnic cosmetics and home remedies.
- Some jobs and hobbies can expose children and adults to lead. Some examples are painters, house remodelers, plumbers, mechanics, bridge workers, making jewelry, ceramic/pottery or stained glass, and going to indoor firing ranges.

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## Is Your Child At Risk For Lead Poisoning?

If you answer yes to any of these questions you may want to have your child tested, even if your child is older.

- Does your child live in or often visit a building built before 1960?
- Does your child live in or often visit a building built before 1978 that is being or was just repaired or remodeled?
- Does your child live in or often visit a building that has peeling or chipping paint?
- Does your child live with an adult or often visit an adult whose job or hobby exposes them to lead?
- Does your family eat or drink from dishes made outside the U.S.?
- Does your family use home remedies?

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## How does a child get lead poisoned?

- Lead poisoning usually happens when children ingest (eat) dust that has lead in it. Children may also eat chips of lead paint or soil that has lead in it.

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## What Does Lead Do to the Body?

- No amount of lead in the body is safe. The damage lead can cause is forever! Lead can damage the brain. It can cause growth problems, hearing loss, and learning problems.
  - Many children do not show signs of lead poisoning. Some signs of high levels of lead poisoning are the same as other childhood illnesses, like the common cold or teething.
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## What Does Lead Do to the Body? (continued)

- If a pregnant woman is around lead, she and her unborn child may become lead poisoned. Lead can cause lasting damage to the mother and her baby.
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## How Can You Reduce The Risk?

Replace, fix or manage all lead hazards in a lead safe way.

### Steps you can take to prevent children from being lead poisoned:

- Keep children and pregnant women away from all lead hazards.
- Clean up lead dust and paint chips by wet wiping window sills and window wells and wet mopping floors. DO NOT dry sweep or vacuum, this will spread the lead dust.
- Block places with peeling or chipping paint. Do not use windows that have chipping paint.
- Move your child's bedroom or play area to a room that has no peeling or chipping paint.
- Place washable mats inside and outside entry doors.
- Have people remove their shoes before coming in the home.
- Do not let your child (or pet) play in dirt.
- Wash and dry your child's hands, toys and pacifiers often. Wash and dry your child's hands before playing, eating, and bedtime.
- Use cold water from the tap for drinking, cooking and making formula. Let water run for 1-2 minutes before using.
- Give your child healthy meals and snacks to eat. An empty stomach takes in lead faster than a full stomach.

### Steps adults can take to help prevent themselves and children from becoming lead poisoned from a job or hobby:

- Don't eat, drink or smoke in your work/hobby area.
  - Wash your hands and face before eating, smoking or drinking.
  - Wear protective clothing (such as disposable gloves, hat, and shoe covers) when you work with lead. Use a NIOSH-approved respirator.
  - Shower, wash your hair, and change into clean clothes and shoes before you leave the work area. Leaving dust on your clothes can contaminate your home and car.
  - Put your work clothes and shoes in sealed plastic bags.
  - Wash work clothes in a different load than the family's laundry.
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## Does your child need to be tested for lead poisoning?

- Yes, all children, at about ages one and two, must be tested for lead poisoning...it's the law!
  - Blood tests will tell how much lead is in your child's blood at the time of the test. If the level is high, your child will need more testing.
  - If your child is at risk at other ages, have your child tested at those times too.
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**Connecticut Lead Poisoning Prevention Program**

**(860) 509-7299**

**[www.ct.gov/dph/preventlead](http://www.ct.gov/dph/preventlead)**





# Eating Right Helps Fight Lead Poisoning

Lead tricks the body into thinking it is iron, calcium or zinc. Eating healthy can help keep the lead from staying in the body.

Don't let your child go through the day on an empty stomach!

## Five Basic Food Groups

- Breads, cereals and grains
- Vegetables
- Fruit
- Milk and milk products
- Meat, chicken, fish, nuts, and beans



## Foods Rich in Calcium

- Milk
- Yogurt
- Cheese (*for snacks, in cooking such as macaroni and cheese, pizza, tortillas, vegetables*)
- Foods made of milk (*pudding, soup, ice cream, custard*)
- Sardines or canned salmon (*with bones*)
- Green vegetables (*kale, collard greens, broccoli*)



## Foods Rich in Zinc

- Chicken or turkey
- Lean meat
- Fish
- Milk and cheese
- Clams, oysters, mussels, crab
- Dried beans and lentils
- Eggs



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## Foods Rich in Iron

- Lean red meat, chicken, turkey and fish
- Iron-fortified hot and cold cereals
- Clams, oysters or mussels (*use canned to make soup or sauce for pasta*)
- Dark green leafy vegetables
- Dried beans, split peas, and other beans (*pinto, red, navy, kidney, garbanzo*)
- Eggs
- Dried fruit



*The iron in vegetables, grains, beans, nuts and eggs may be made more usable by the body when you eat a food high in Vitamin C at the same meal. Oranges, grapefruit, strawberries, cantaloupe, green peppers, cauliflower, broccoli and potatoes are some foods high in Vitamin C.*

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### Healthy Tips:

- Don't fry foods. Bake or broil them.
  - Try not to eat high fat foods. When you do eat them, eat small portions.
  - Vitamin C helps your body absorb iron.
  - Children under the age of 2 should have whole milk after they no longer drink formula or breast milk. Most children 2 and older can have lower fat milk. Children with milk allergies can have tofu, leafy green vegetables, sardines, or canned salmon for their calcium needs.
  - Younger children need smaller servings than older children or adults. More active people need larger numbers of servings from each of the 5 food groups.
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Dear Parent or Guardian:

**From birth to age three, babies have a LOT to learn.** Helping your child to be healthy and ready to learn is an important part of your job as a parent or guardian. Giving your child good foods, keeping your child active, sharing books and music, cuddling, and playing games are all ways that you can help your child learn and grow.

High levels of lead in the blood can hurt a child's ability to learn. Your child has a blood lead level that can damage your child's brain and affect your child's later success in school. You need to take steps to make your child safe and healthy:

- **Find the sources of lead** that entered your child's blood. These sources might be:
  - Lead paint in your home
  - Lead in toys
  - Lead in the dirt outside your home or your child's daycare,
  - Lead in some health supplements (even those labeled "organic") other than those that a medical provider prescribes
  - Lead in pipes supplying water used for drinking or cooking
  - Lead in your workplace that you might accidentally bring homeOnce you've found a source learn how to **get rid of It!**
- **Encourage your child to eat foods that may lower the amount of lead your child's body takes in.**
  - Give your child foods that contain **calcium**. These foods include milk, cheese, yogurt, broccoli, sardines, and canned salmon.
  - Give your child foods that contain **iron**. These foods include lean red meat, chicken, turkey, sardines, and tuna.
  - Foods with **vitamin C** (such as oranges, strawberries, green peppers, and potatoes) help your child absorb iron.
- **Watch to see how your child is learning.**
  - Does your child do many of the things expected for his or her age, or is your child missing some important skills (see enclosed "*Your Baby Deserves a Good start in Life!!*")? Talk with your child's doctor, read a good child development book, or go online to learn what things children are expected to do at each age.
  - If you think your child is *not* developing and learning new skills like other children the same age, call the Child Development Infoline at 1-800-505-7000 and talk with them about your concerns.
  - If your child is younger than three years old and is not developing well, you may request a free developmental evaluation from the Connecticut Birth to Three System.
  - Help Me Grow is another program that can help you find community supports and monitor your child's development through age five.
  - If your child is in school, talk with your local school district for an evaluation.

**For more information on lead, talk with your child's doctor or go to [www.ct.gov/dph](http://www.ct.gov/dph)**

**For more information on the Birth to Three System, go to [www.birth23.org](http://www.birth23.org)**

**For more information on child development, call the Child Development Infoline at 1-800-505-7000**

## Connecticut Public Acts, Statutes, & Regulations Related to Lead

The following are a list of various Public Acts, Statutes, and Regulations that are related to lead and lead poisoning in Connecticut.

### Public Acts:

#### [Public Act 22-49: An Act Reducing Lead Poisoning](#)

#### [Public Act 23-31: An Act Concerning the Department of Public Health's Recommendations Regarding Various Revisions to the Public Health Statutes](#)

- Page 24, Sec. 16 – formerly *Regulations* under Lead Abatement Consultants, Contractors and Workers (Sec. 20-478)
- Page 40 – 41, Sec. 28 – formerly *Environmentally safe housing for children and families* (19a-109aa)
- Page 41 – 45, Sec. 29 – formerly *Report of lead poisoning. Availability of information regarding lead poisoning* (19a-110)
- Page 45 – 46, Sec. 30 – formerly *Regional lead poisoning treatment centers* (19a-110a)
- Page 46 – 48, Sec. 31 – formerly *Investigation. Preventive measures. Relocation of families. Reports. Regulations* (19a-111)
- Page 48 – 49, Sec. 32 – formerly *Lead poisoning prevention program. Lead state agency* (19a-111a)
- Page 49 – 50, Sec. 33 – formerly *Educational and publicity program. Early diagnosis program. Program for detection of sources of lead poisoning* (19a-111b)
- Page 50 – 52, Sec. 34 – formerly *Abatement of lead in dwellings. List of encapsulant products. Regulations.* (19a-111c)
- Page 52 – 54, Sec. 35 – formerly *Pediatric screening and risk assessment for lead poisoning. Duties of primary care provider. Exemption* (19a-111g)
- Page 54 – 55, Sec. 36 – formerly *Report re lead poisoning prevention efforts* (19a-111i)
- Page 55 – 57, Sec. 37 – formerly *Financial assistance to local health departments for lead poisoning prevention efforts. Regulations* (19a-111j)
- Page 57 – 60, Sec. 38 – formerly *Definitions* under Lead Abatement Consultants, Contractors and Workers (Sec. 20-474)
- Page 60 – 61, Sec. 39 – **only subsection (b)** formerly *Health Assessments* under School Health and Sanitation (10-206(b))

### General Statutes:

#### Department of Public Health:

- Sec. 19a-111e. [Federal funds for lead poisoning prevention programs](#)
- Sec. 19a-111h. [Review of lead poisoning data. Regulations.](#)
- Sec. 19a-111k. [Applicability of OSHA standards to abatement and remediation of lead hazards.](#)

#### Lead Abatement Consultants, Contractors and Workers:

- Sec. 20-475. [Lead abatement contractors or lead consultant contractors. Licensed; fee; renewal](#)
- Sec. 20-476. [Lead consultants, lead abatement supervisors or lead abatement workers. Certificates; fee; renewal](#)
- Sec. 20-477. [Training courses. Regulations](#)
- Sec. 20-479. [Limited exemption for code enforcement officials](#)
- Sec. 20-480. [Exemption for certain state and federal employees performing duties under occupational safety and health laws](#)
- Sec. 20-481. [Denial of application. Disciplinary action.](#)
- Sec. 20-482. [Penalty](#)

#### Public Enforcement of Health and Safety Standards in Tenement and Boarding Houses, and in Rented Dwellings.

- Sec. 47a-50. [Definitions](#)
- Sec. 47a-51. [Sanitary regulations](#)
- Sec. 47a-53. [Abatement of conditions in rented dwelling other than tenement house constituting danger to life or health](#)
- Sec. 47a-54. [Communicable diseases; unfit for habitation; order to vacate](#)
- Sec. 47a-54f. [Paint](#)
- Sec. 47a-55. [Enforcement. Penalties](#)
- Sec. 47a-58. [Notice of violation. Penalty. Injunctive relief. Municipal lien for unpaid penalty.](#)

#### **Regulations**

- [Lead Poisoning Prevention and Control Regulations \(Sections 19a-111-1 through 19a-111-11\)](#)
- [Standards for Licensure and Certification of Lead Abatement Contractors, Lead Consultants, and Lead Abatement Personnel \(Section 20-478-1 through 20-478-3\)](#)