

Activities that may contribute to lead exposure:

Occupational Activities:

- Abatement and cleanup
 - Residential and commercial buildings
 - Steel structures
 - Environmental
- Demolition of buildings and structures
- Fabrication of artistic or individual products (e.g., mixing or applying leaded ceramic glaze, glasswork, and stain glass windows)
- Manufacturing of products containing or coated with lead (e.g., metal equipment parts, batteries, bullets, circuits)
- Melting of products containing lead (e.g., secondary smelting (scrap metal), incinerator, foundries/casting) (large scale melting)
- Mining
- Painting on industrial equipment and steel structures (e.g., bridges and water towers)
- Recycling materials (e.g., stripping electronics)
- Renovation, remodeling, and/or painting of residential and commercial buildings
- Repair and maintenance
- Using firearms (e.g., law enforcement, military, private industry, and training)
- Welding and cutting (small scale melting)
- Working at a firing range
- Other exposures not mentioned above:

Non-Occupational Activities

- Casting or soldering (e.g., bullets, fishing weights)
- Ceremonial powders (e.g., Kum Kum Incense, Pooja Powder, Rangoli, and Vibuti)
- Drinking liquids containing lead (e.g., imported candy, spices)
- Eating from leaded cookware
- Handling products that contain lead (e.g., toys)
- Mixing or applying leaded ceramics glaze or pigments
- Pica (the eating of non-food items)
- Remodeling/renovation/painting (pre-1978)
- Retained bullets (gunshot wounds)
- Shooting firearms (target practice)
- Take home lead exposure
- Taking complementary, alternative, or home remedy medications (e.g., Ayurvedic medications, Azarcon, Greta, Paylooh)
- Using cosmetics that contain lead (e.g., Ceruse, Kohl, Surma)
- Working with materials that contain lead for art projects (e.g., making stained glass windows, creating leaded glass piece)
- Other exposures not mentioned above:

Possible Sources of Lead

Environmental

Soil/dust near lead industries, roadways, lead-painted houses
Plumbing and solder
Cosmetics & hair dye
Imported vinyl mini-blinds
Imported ceramic tiles for kitchen/bathroom
Building materials: Gutters, flashing, tile, window glazing
Ceramicware/glazed pottery
Porcelain bathtubs
Leaded glass/pewter
Leaded gasoline (race, collector cars)
Soldered seams-imported canned food
Soldered copper pipes
Submersible pumps in wells
Brass plumbing fixtures
Bronze, pewter, leaded crystal
Electronics manufacturers
Pesticides
Imported crayons
Storage batteries
Plastic insulation on electrical wiring and old telephone wiring
Candle wicks

Ingested Sources

Traditional/home remedies (Azarcon, Greta, Pay-koo-ah, Kohl, Ayurvedic)
Imported candy and candy wrappers
Supplements

Hobbies and Related Activities

Home remodeling/renovation
Car or boat repair
Glazing/making pottery
Reloading/target shooting at firing ranges
Furniture refinishing

Making/handling lead shot and fishing weights/sinkers
Using lead soldering/welding
Oil painting (artistic)
Using pastel art pencils
Making stained glass
Jewelry making
Using/making diving and exercise weights
Repairing old painted wooden furniture

Occupational

Painters
Home remodelers/renovators
Construction/demolition workers
Bridge maintenance/repair
Auto body repairers/manufacturing
Boat builders/painters/repair/maintenance
Ceramics making/glaze mixing
Printers (ink)
Plastic & rubber manufacturers
Police officers
Firing range instructors
Steel welders or cutters
Jewelry making
Gas station attendant
Aircraft repair
X-ray shielding/film radiology

Sources: Oregon Health Authority, NCEH, CDC