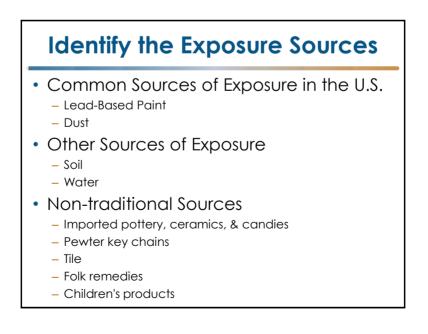


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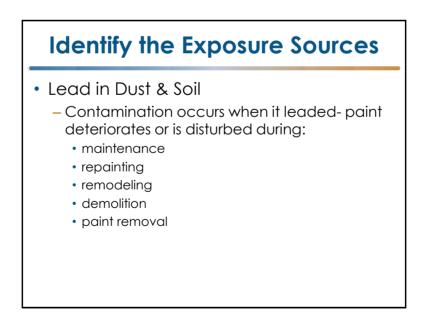
Identify the Problem

- Historical uses of Lead
 - Mined & used by man 6000 years
 - Physical & chemical properties led to its vast uses
 - Industrial Period
 - Ornamental, home, & industrial uses
 - ↑ Employment in factories = High rates lead poisoning



Identify the Exposure Sources

- Lead in Paint
 - Added to paint to provide color & durability
 - 25% of all U.S. housing has significant leadbased hazards
 - Lead-based paint in poor condition
 - Peeling
 - Chalking
 - Chipping
 - Flaking
 - High impact surfaces areas
 - Door and window frames



Identify the Exposure Sources

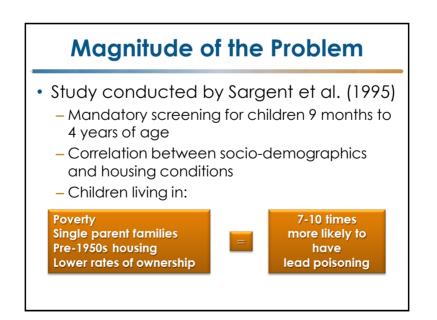
- Lead in Water
 - Production
 - Pipes, solders, materials used for plumbing
 - Federal Lead Contamination Control Act of 1986
 Banned the use of lead in plumbing materials
 - Contamination through a leaching process
 - Increased velocity
 - Hot temperatures
 - Soft water (low mineral content)
 - Aged piping
 - Acidity

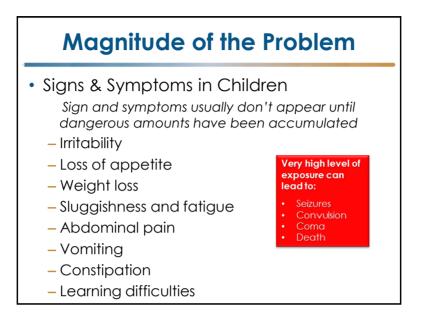
Identify the Exposure Sources

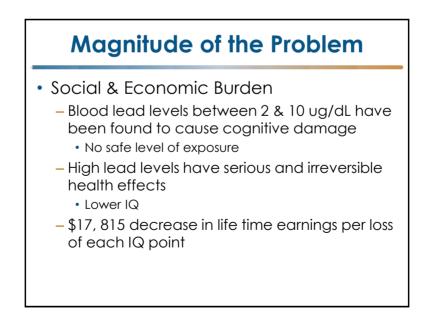
- Non-Traditional Sources
 - Lead storage batteries
 - Ammunition
 - Brass
 - Ceramic cookware
 - Ethnic remedies
 - Candy
 - Ceramic Tile
 - Etc...

Magnitude of the Problem

- Effects children across all socioeconomic strata and in all regions of the U.S.
- Vulnerable groups
 - Children between 1-6 years of age
 - Expecting mothers
 - Malnourished
 - Children absorbed lead 5-10x faster than adults
 - Blood brain barrier
 - Developing skeletal system
 - Behaviors pica and hand to mouth
 - Ingesting the main pathway for exposure







Connection to the Home



- Deteriorating lead-based paint can lead to:
 - Paint chips on the floor, window sill or other areas
 - Soil and dust contamination
- Access to contaminated surfaces
 - Hand to mouth behavior puts children at risk

Healthy Homes Recommendations

Reducing Exposure from traditional sources

- Have your home tested if it's built before 1978
 - Contact your local or state health department
- Reduce access to deteriorated lead-based paint; create barriers between living areas & lead sources
- Vulnerable groups should not be present during renovation work
- Wash your children's hands & toys regularly
- Wet-mop floors & wet-wipe windows
- Prevent children from playing in bare soil

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Healthy Homes Recommendations

Reducing Exposure from non-traditional sources

- Avoid using traditional home remedies & cosmetics
- Avoid eating imported candies
- Avoid using containers, cookware, or tableware that are not known to be lead free
- Remove recalled items like toys and toy jewelry
- Only use cold tap water for drinking, cooking and making baby formula
- · Beware of brining lead home from work or hobbies

