



LIVE LEAD FREE QC

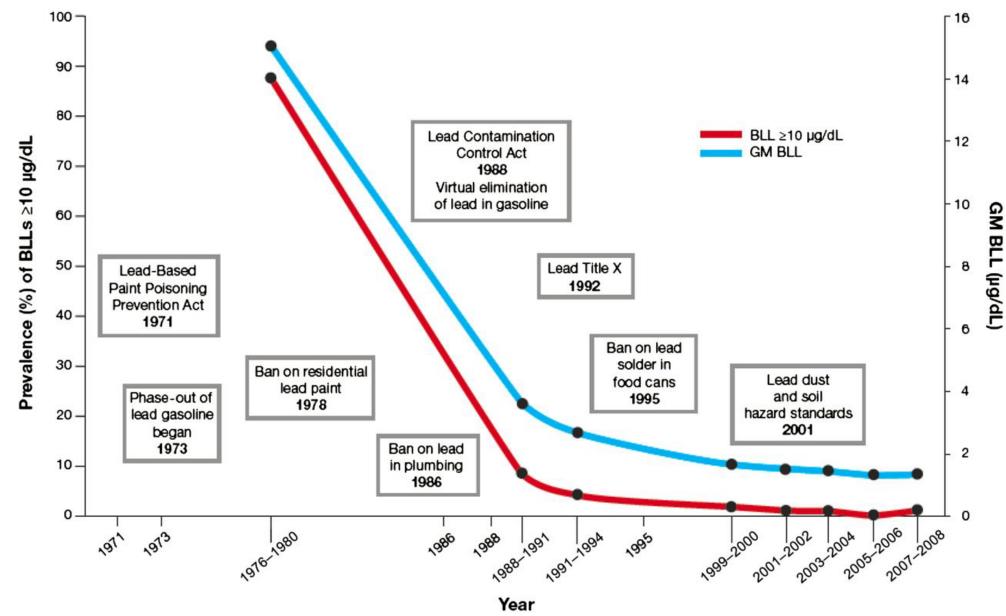
Tony Knobbe, Live Lead Free QC President

MEMBERS











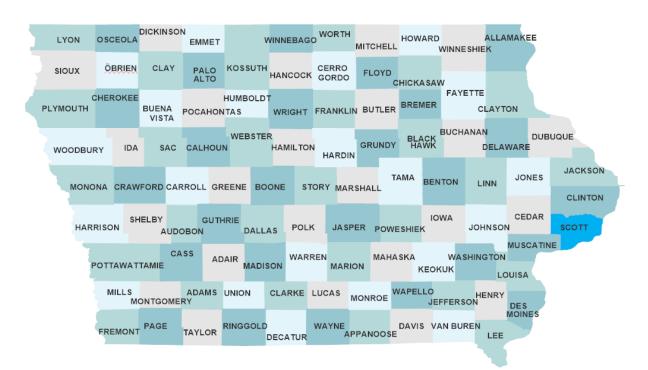
LEAD IN IOWA

- •3rd in the Nation for Percent of Houses pre-1940s
- •22.3% are pre-1950s homes

Scott County:

- •Scott County is at 30%
- •Census Tract 106-112 is at 77%
- Common for children to have blood lead level (BLL) poisoning
- •50 children (moving average) have BLL above 5 micrograms per deciliter of blood

Iowa





KNOWN RISK FACTORS

- Housing age (pre-1955 homes highest risk)
- Socio-economic status (lower median family incomes & single-parent households at highest risk)
- Ownership status (renter-occupied at highest risk)
- Race/ethnicity (African American neighborhoods at highest risk)
- Rural/urban status (depends on location)
- Nutritional status (low calcium diets at higher risk)

High maintenance/renovation/remodel costs = lead paint found in older, lower income rental housing in poor condition



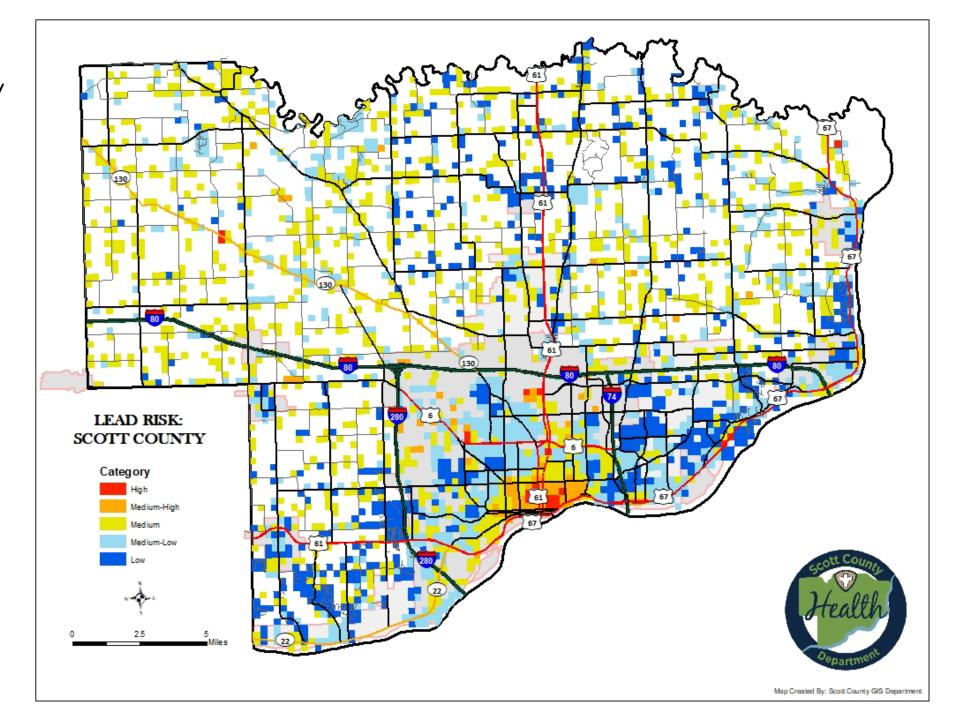
14% OF PRE-1979 HOUSING STOCK POISONED 57% OF CHILDREN (840 CHILDREN) IN SCOTT COUNTY

Priority Zone	Risk Category	Number of Parcels	Percent of Parcels with Elevated Blood Lead Levels	Number Elevated Blood Lead Levels	Home Age
1	High	1955	21	410	1915
2	Medium-high	3843	11	430	1899
3	Medium	10545	3	364	1938
4	Medium-low	13786	1	167	1960
5	Low	11192	1	88	1964

Model validated using addresses where children poisoned since 2000 under data-sharing agreement with Iowa Department of Public Health (Augustana College Sustainable Working Landscapes Initiative)

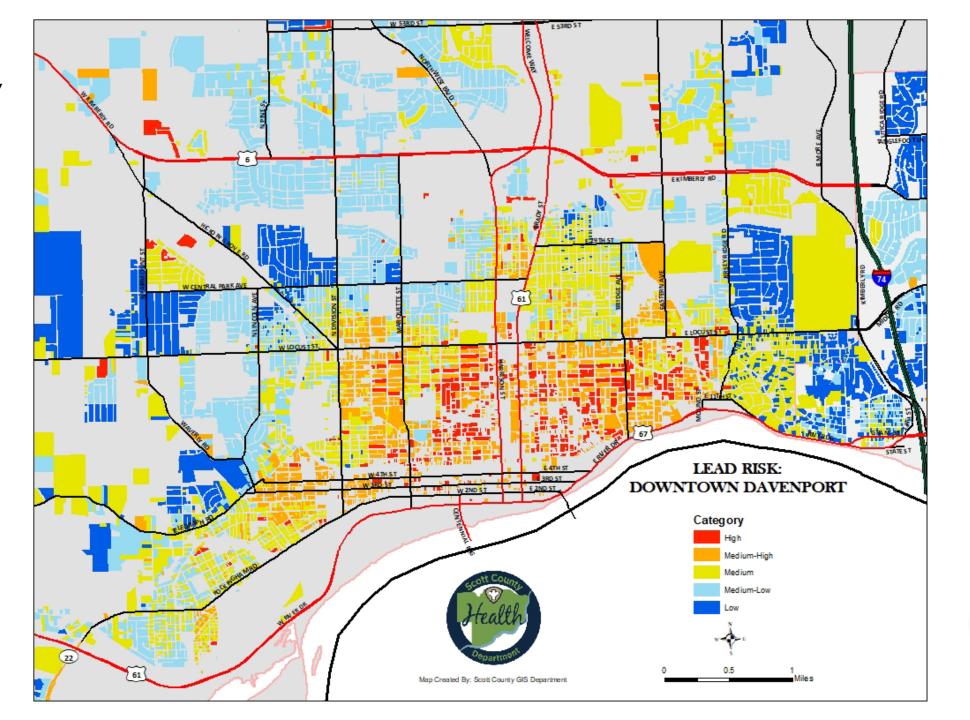


Based on study from 2018.





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KEY FACTS



LEAD BASED PAINT

- •Lead is a cumulative toxicant that affects multiple body systems and is particularly harmful to young children.
- •Lead in the body is distributed to the brain, liver, kidney and bones. It is stored in the teeth and bones, where it accumulates over time.
- •Human exposure is usually assessed through the measurement of lead in blood.
- •Lead in bone is released into blood during pregnancy and becomes a source of exposure to the developing fetus.
- There is no known level of lead exposure that is considered safe.
- Lead exposure is preventable.



SOURCES OF ENVIRONMENTAL CONTAMINATION

Inhalation

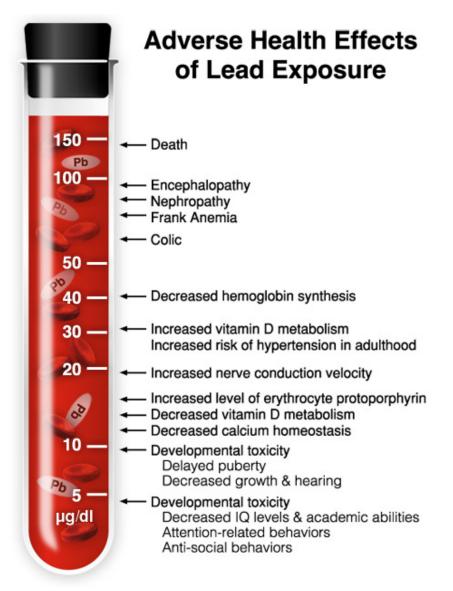
- Mining
- Smelting
- Manufacturing
- Recycling
- Leaded paint
- Leaded gasoline
- Aviation fuel

Ingestion

- •Lead dust
- Water (leaded pipes)
- Food (lead-glazed, lead-soldered containers)



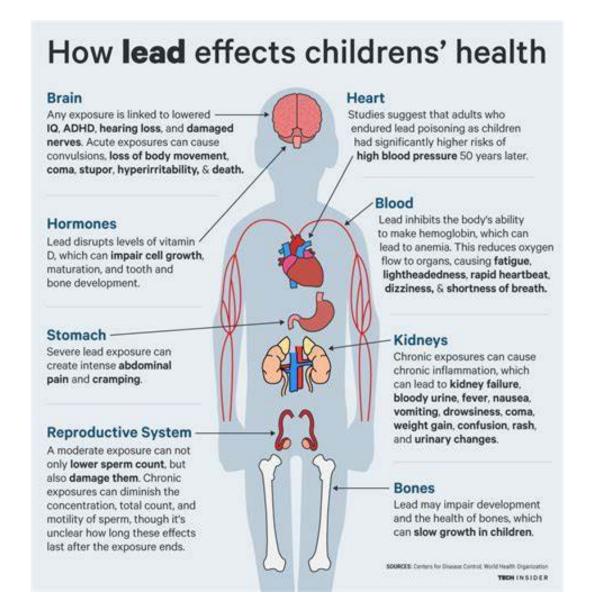
HEALTH EFFECTS ON CHILDREN



- There is no known safe blood lead concentration.
- •As lead exposure increases, the range and severity of symptoms and effects also increases.
- •5 μg/dL may be associated with decreased intelligence in children, behavioral difficulties, and learning problems

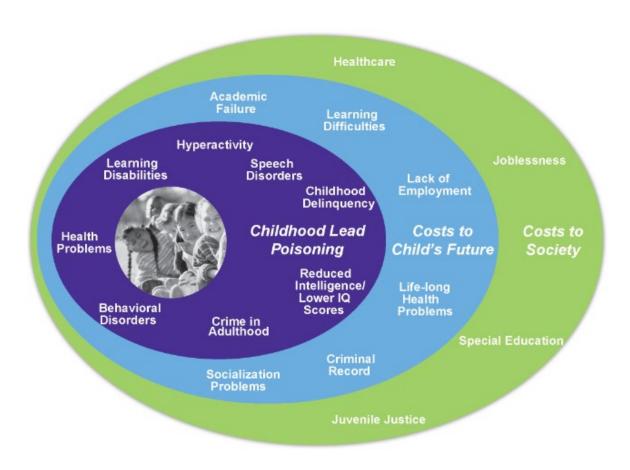


HEALTH EFFECTS ON CHILDREN





SOCIETAL EFFECTS OF LEAD POISONING



BURDEN OF DISEASE FROM LEAD EXPOSURE

- •In 2016 540,000 deaths worldwide
- Low and middle income countries
- •63.8% of the global burden of developmental intellectual disability
- •3% of ischaemic heart disease
- •3.1% of stroke



WE KNOW THERE IS A PROBLEM. NOW WHAT?





LIVE LEAD FREE QC

Goal:

Reduce lead poisoning in the Quad Cities (lowa-Illinois) area.





FUNCTIONS OF LIVE LEAD FREE QC

- Conducting research
- Seeking funds for the mitigation or abatement of lead
- Community collaboration
- Identifying and selecting homes for remediation or abatement
- Providing funds for the remediation or abatement of lead
- •Sharing non-confidential information with health care providers
- Education



WHAT CAN I DO?



FUNDING FOR LIVE LEAD FREE QC

Secured:

11 Properties; \$182,725;

- Scott County: \$175,000 (FY19 and FY20)
- Scott County Regional Authority: \$50,000 (2020)

Partnership:

- City of Davenport Programs \$554,079
 - Programs, Owner-Occupied Rehab, Urban Homestead, Dream Projects
 - 50 projects
 - 1 Joint project; \$25,000 Davenport, \$48,000 LLFQC (Above)
- Moline and Rock Island Programs and leadership

Seeking funding from:

- Regional Development Authority
- Scott County Regional Authority
- Churches/Civic Clubs/Non-Profits
- Homeowner Contributions
- Donations

Each home costs
between \$10-20,000
on average to
remediate.



HOW CAN YOU GET INVOLVED?

- •Educate clients/public about dangers of lead and how Live Lead Free QC can help
- Financial contributions

CONTACT US:

https://www.liveleadfreeqc.org/

info@liveleadfreeqc.org

