



Community Health and Wellness

Lead-Free Families – Lead Poisoning Education & Program Overview



Presented By:

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Where does lead come from?





Lead contaminated soil



Lead Dust from Paint



Lead-Glazed Pottery



Lead Water Pipes



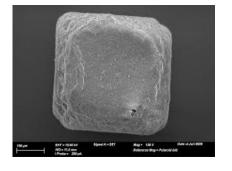
Chipping & Peeling Paint



It doesn't take much lead to poison a child

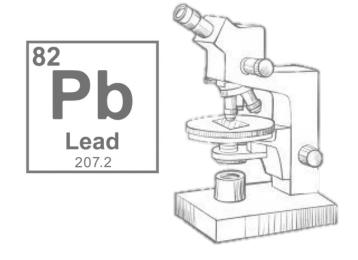






About <u>35 micrograms</u> of lead is needed to elevate a child's Blood Lead Level to <u>3.5mcg/dl</u>

One packet of sugar substitute is 1 gram or 1 million microgram, if this packet of sugar was 100% lead, it could poison 20,000 children



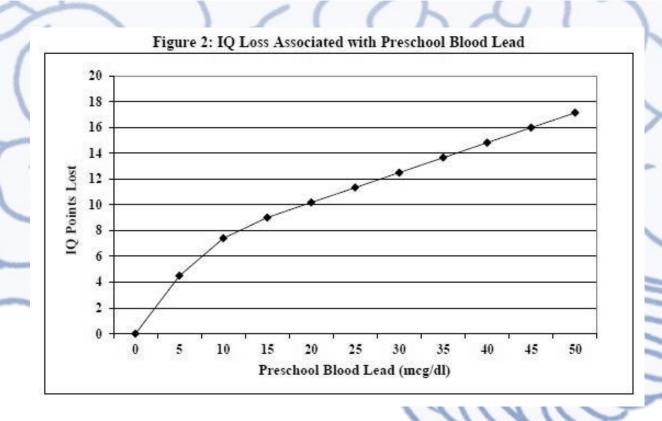
How Can Lead Affect a Child's Health?





Brain Development, Intelligence & Lead Poisoning

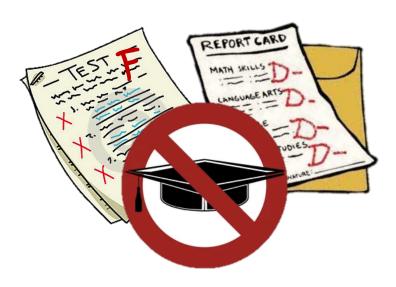
Lead poisoning is directly linked to IQ loss



There is about a 1:1 correlation of IQ loss for every 1mcg/dl increase

Can Lead Affect a Child in Other Ways?





Lower Academic Achievement





Lower Earning Potential





Higher Risk of Criminal Behavior



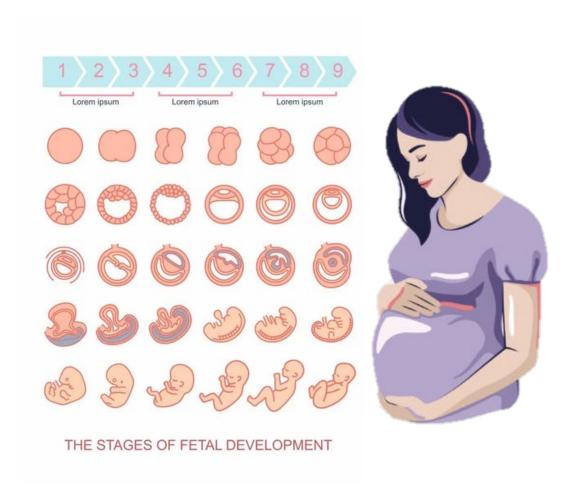
Who else can be harmed by lead?



Lead can build-up in the body over time, where it's stored in the bones. During pregnancy, lead is released from the mother's bones and can pass from the mother, exposing the <u>developing fetus</u> or a <u>breastfeeding infant</u> to lead.

Resulting in:

- Premature birth and/or low birth weight
- Damage to the brain, kidneys and/or nervous system
- Higher risk of developmental, learning and behavioral problems
- Increased risk of miscarriage



Lead Poisoning by the Numbers



Lancaster Co. ranks 4th worst in entire state of Pennsylvania for the number of childhood lead poisoning cases per year.



About <u>3.46%</u> of <u>Pennsylvania</u> children are lead poisoned per year, but in <u>Lancaster Co.</u> that skyrockets to <u>13.4%</u> of children.

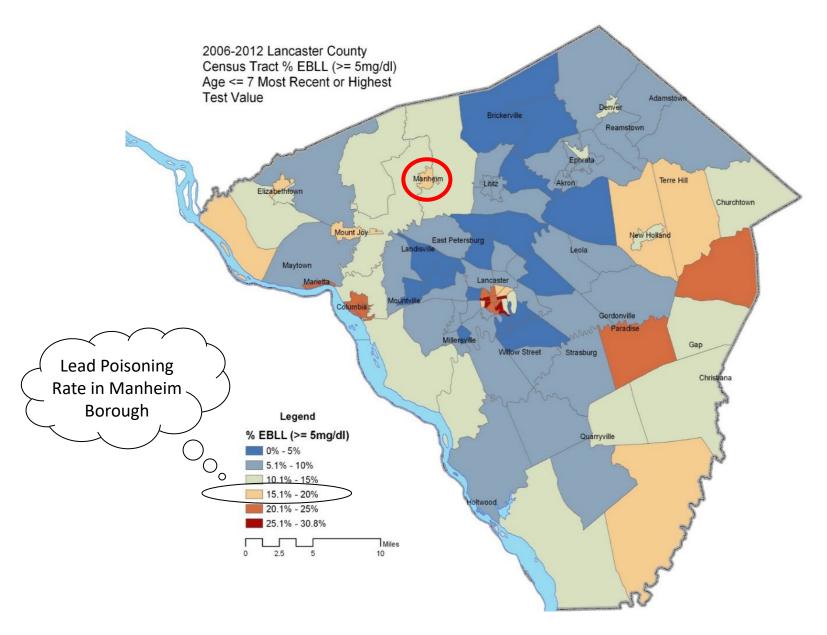


Nearly 8,000 children in Pennsylvania are lead poisoned every single year. That's enough children to fill the PA Farm Show Complex to Maximum Capacity.



Lead Poisoning Rate in Manheim Borough & Beyond



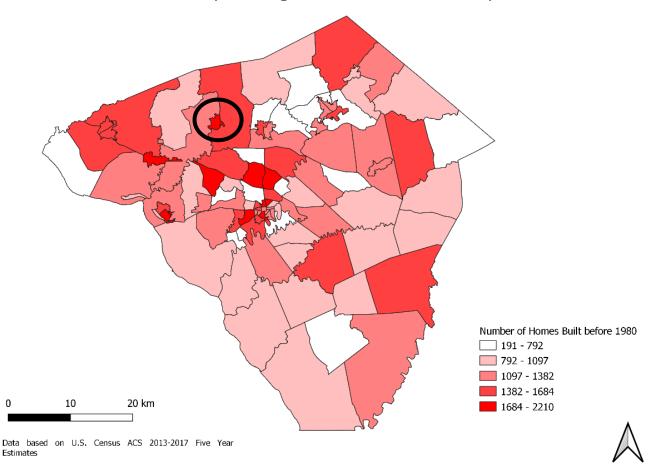


Housing & Families at Risk in Manheim Borough



Lancaster County Housing Units Built Before 1980 by Census Tract

- 89.2% of housing in Manheim Borough was built before 1978, the year lead-based paint was banned in residential properties
 - Approximately 1,700 homes in Manheim Borough are at risk of having lead-based paint hazards
- Almost 34% of households in Manheim Borough have children
 - 60% of those households have at least one child under the age of 6



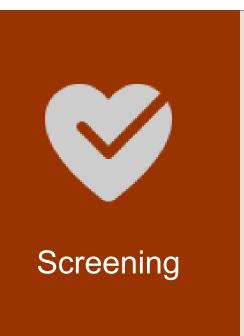
Lead-Free Families Initiative: 5 Key Components

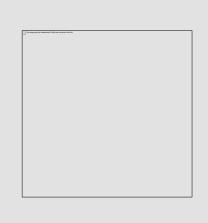




Education &

Awareness







In partnership with
Green and Healthy Homes Initiative



Case Management



Policy Advocacy

Program Eligibility

- Property located in Lancaster County
- ☐ Property built prior to 1978
- A child 6 or younger who lives or spends a significant amount of time at the property, or a pregnant woman lives at the property
- Tenant or homeowner has household income at or less than 400% FPL





How does this program benefit landlords?



- Lead-Free Families offers our lead remediation services to all Lancaster Co. landlords with qualifying units/tenants at 90% discount
 - Cost Breakdown Example: Total Cost of Project- \$14,000
 Landlord pays 10% of cost- \$1,400
- □ An average 30% increase in property value after a completed lead remediation
- ☐ Your rental property may receive **new building components** such as windows and doors, creating a **more energy-efficient unit**
- Bring qualifying units into compliance with Manheim Borough's new lead ordinance and receive a Lead-Safe Certificate for all enrolled compliant units



Questions?

www.Leadfreefamilies.org 717-544-LEAD (5323)