



Lead and Its Effects on Children and the Community

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GEORGETOWN UNIVERSITY

PEHSU Regions





- Goals: Provide consultation/referral and outreach/education with a focus on children and reproductive environmental health

LEAD POISONING

Very common, very significant
environmental health problem for children





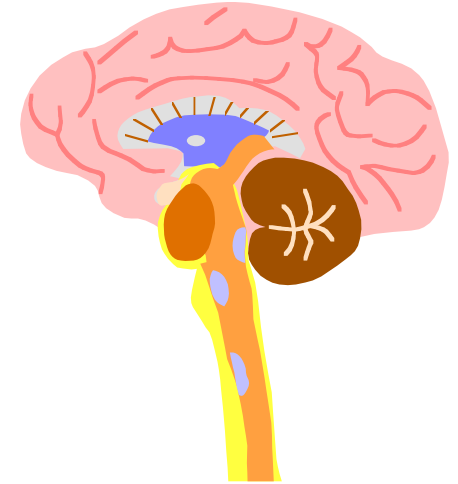
RESIDENTIAL EXPOSURES

Lead



Health Effects of Lead

- Damage to the brain and nervous system
- Behavior and learning problems
 - Hyperactivity
 - Poor impulse control
 - Violence
 - Lower IQ
- Delayed growth and puberty
- Hearing problems
- Headaches
- Kidney problems
- Increased risk of hypertension in adulthood
- Greater chance of failure to graduate high school



Primary Prevention is the Only
Appropriate Approach to the
Resolution of the
Lead Poisoning Problem

CHWs address barriers to Healthy Homes

HOUSING

LANGUAGE

COST
OF MEDS

CULTURE

ACCESS

LITERACY





Fight **Lead Poisoning** with a Healthy Diet

Lead Poisoning Prevention Tips
for Families



- Have families get their homes tested for lead
- Pregnant women residing in houses built before 1978 should not initiate home renovations



Lead in Soil: English and Spanish



The image shows a YouTube video player interface. At the top left is the EPA logo. The video title is "EPA - Minute in the Moment - Lead". The video content features a close-up of a white plastic fork stuck into a patch of soil with some grass. Two red text boxes are overlaid on the video. The first box at the top reads "A child can be exposed through" and the second box at the bottom reads "Touching/ingestion of soil that contains lead". The video player controls at the bottom include a play button, a volume icon, a progress bar showing "0:26 / 0:59", a settings gear icon, the "YouTube" logo, and a full-screen icon.

EPA - Minute in the Moment - Lead

A child can be exposed through

Touching/ingestion of soil

that contains lead

0:26 / 0:59

YouTube

Early educational interventions for children with developmental delays or disabilities have been shown to **greatly increase that child's progress**, especially when the child is allowed to **remain in a classroom setting** amongst their peers!

**Individuals with Disabilities
Education Act (IDEA)**



Summary

- Lead can cause learning and behavior problems.
- A lead test is the only way to know if a child has lead poisoning.
- Recognize that the sources of lead exposure are widespread and variable.
- Nutritional interventions can reduce long term impacts

Thank you!



Mid-Atlantic Center for
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