



Lead Testing in School Drinking Water

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PUBLIC HEALTH
ALWAYS WORKING FOR A SAFER AND
HEALTHIER COMMUNITY





Your moderator, Nancy Bernard, Office of Environmental Health and Safety



Mike Means, Acting Office Director, Drinking Water,

Lauren Jenks, Office Director,
Environmental Public Health Sciences



Today's Webinar

- Who we invited
- Purpose of webinar
- Objectives

Drinking Water Rules/Regulations

- The state's "School Rule" – revised WAC 246-366A, Primary and Secondary Schools
- Differences between the School Rule and the federal Lead and Copper Rule

Major Differences

- Purpose of School Rule = assess and address individual fixtures
- Purpose of Lead and Copper Rule = assess potential corrosiveness in water throughout a public water system
- School Rule
 - 250 ml sized bottles
 - 20 ppb
- Lead and Copper Rule
 - 1,000 ml sized bottles
 - 15 ppb (90th percentile)

School Lead Testing Guidance

- Federal 3Ts for Reducing Lead in Drinking Water in Schools
 - Teaching (Planning)
 - Testing (Sampling)
 - Telling (Communicating)

School Lead Testing Guidance (cont.)

- Our new brochure, *Testing for Lead in School Drinking Water Systems*, provides step-by-step sampling guidance.
- Our web pages on Lead and Lead in Schools may also be helpful.

<http://www.doh.wa.gov/CommunityandEnvironment/DrinkingWater/Contaminants/LeadinSchools>

Testing Your Water for Lead

- Certified drinking water labs
 - http://www.ecy.wa.gov/programs/eap/labs/documents/DWLabs_WABByCounty.pdf
- Voluntary reporting of results

Governor's Directive

- Governor's Directive: Drinking Water components
 - Removal of lead service lines
 - Develop policy and budgetary proposals
 - Support revisions to the federal Lead and Copper Rule

Technical Assistance

- Contact Derrick Dennis for information concerning the “School Rule”:
Email: derrick.dennis@doh.wa.gov; phone: 360-236-3122.
- Contact your nearest Office of Drinking Water regional office about sample collection procedures or sample results:

Eastern Regional Office
Phone: 509-329-2100

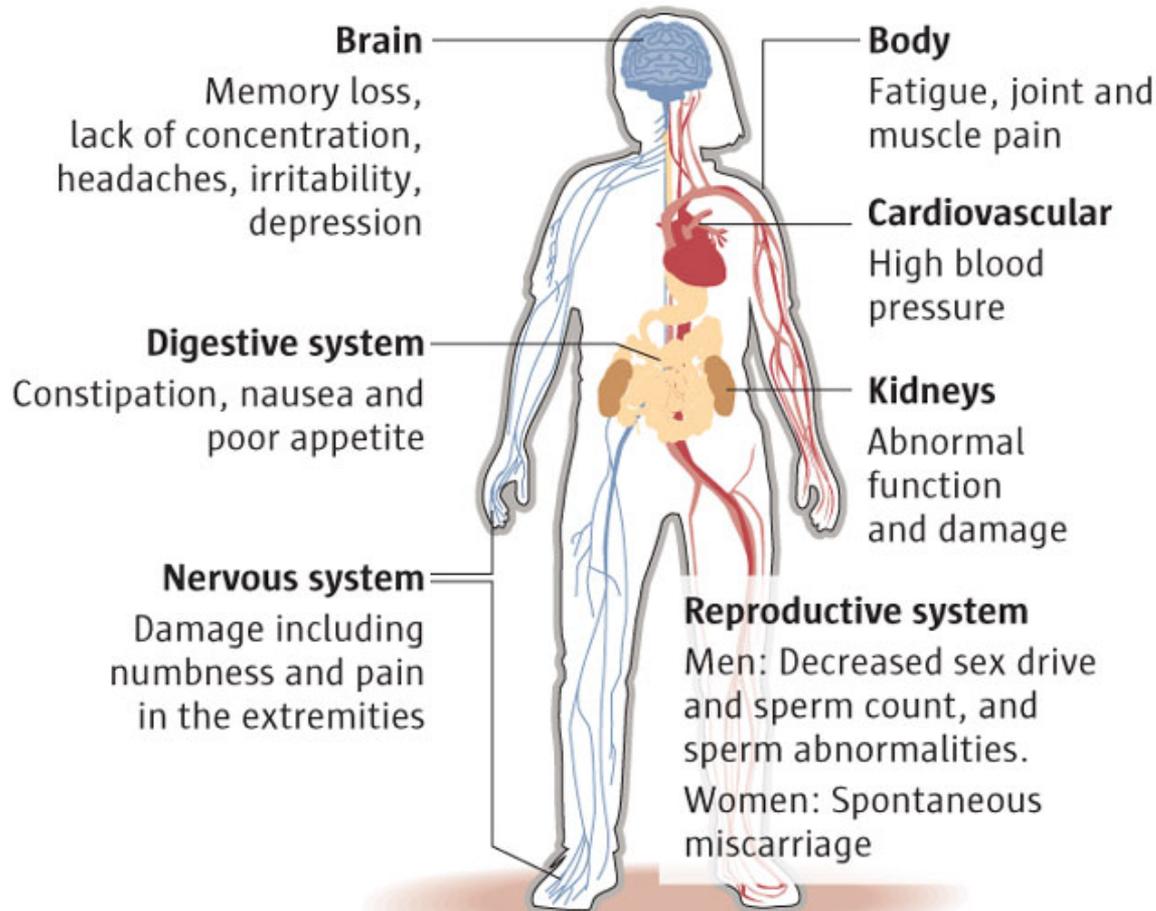
Northwest Regional Office
253-395-6750

Southwest Regional Office
Phone: 360-236-3030

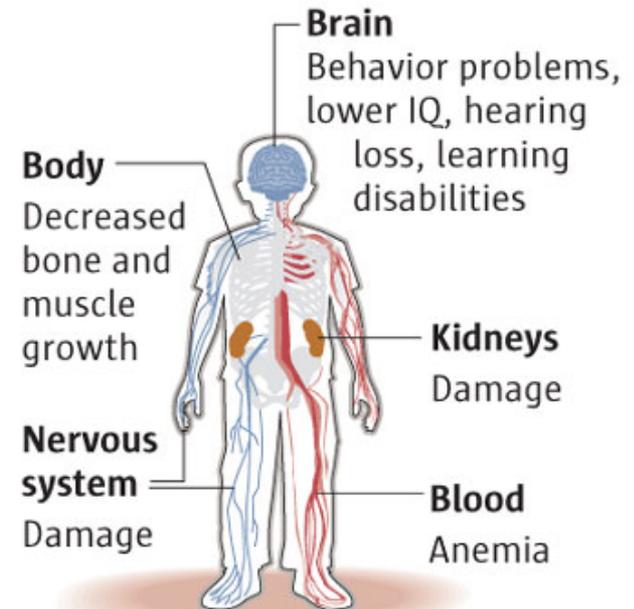
- Contact your local health jurisdiction

Health Effects of Lead

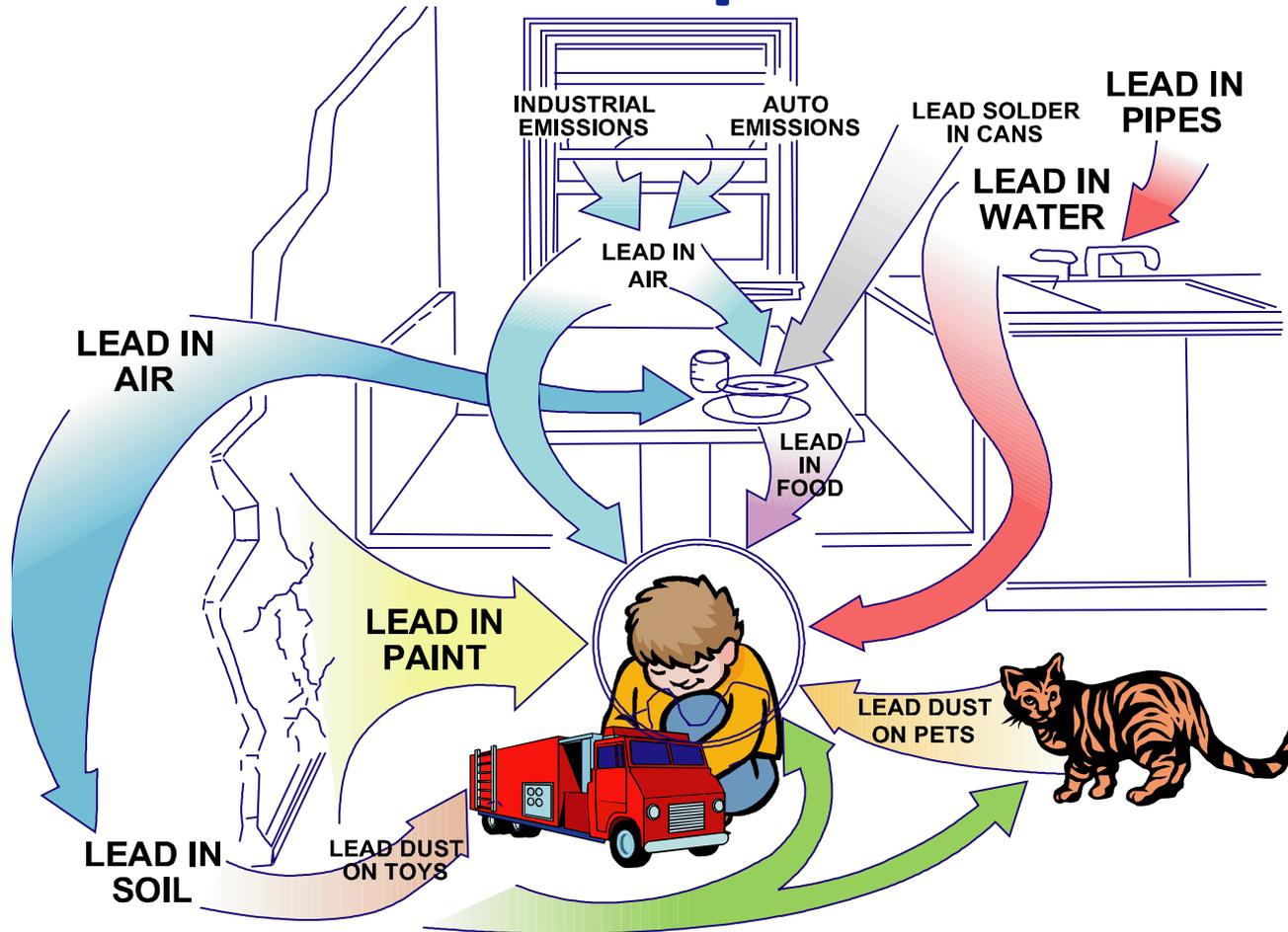
ADULTS



CHILDREN



Children are Most Vulnerable to Lead Exposure



Exposure to Lead in Water

- No known safe threshold for lead in water – many factors to consider:
 - Amount of water consumed
 - Body weight
 - Nutritional status
 - Other potential lead exposures
- Formula-fed infants most at risk from exposure to lead in water

Child Lead Poisoning Prevention Program

- Advising health care providers on blood lead testing for children
- Providing information on lead risk through the Washington Tracking Network
- Following up with children with lead poisoning
- Safely removing lead from homes
- Testing low income children for lead poisoning
- Reaching out to parents
- Maintaining Child Blood Lead Registry

Governor's Directive

Governor's Directive: Child Lead Poisoning Prevention Components

- Implement 2009 School Rule, with emphasis on lead testing
- Rental home inspection and registry
- Lead free childcare
- Child Blood Lead Registry
- Investigation and remediation of lead hazards
- Increased blood lead screening and case management

Questions and Answers

Lead in schools sampling brochure:

<http://www.doh.wa.gov/Portals/1/Documents/Pubs/331-261.pdf>

Drinking Water Lead Web page:

<http://www.doh.wa.gov/CommunityandEnvironment/DrinkingWater/Contaminants/Lead>

Lead in Schools Web page:

<http://www.doh.wa.gov/CommunityandEnvironment/DrinkingWater/Contaminants/LeadinSchools>

Ecology's Certified Lab list:

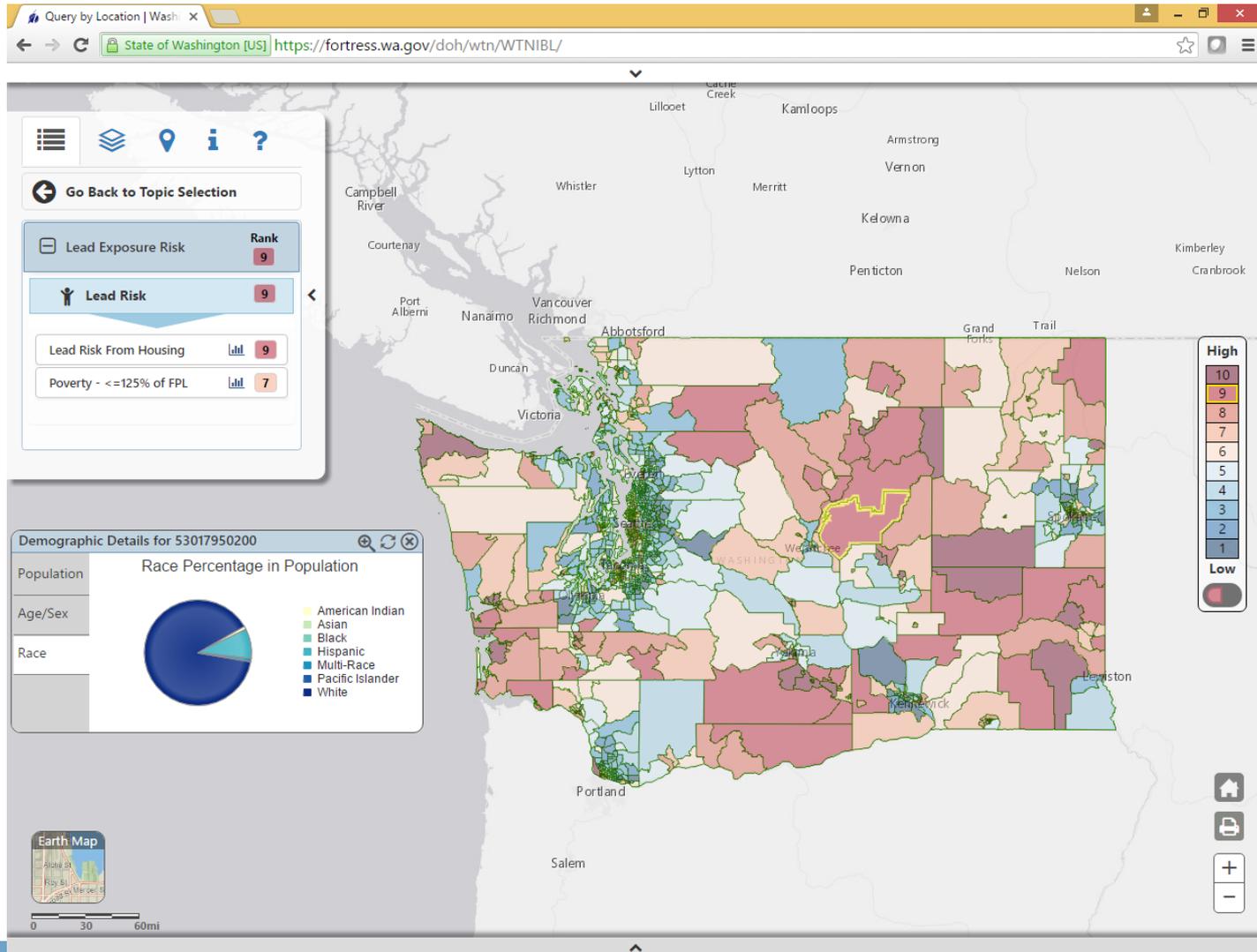
http://www.ecy.wa.gov/programs/eap/labs/documents/DW_Labs_WABYCounty.pdf

- Additional slides from Lauren Jenks you may find informational.
- One of the attendees advised you may also get some value out of a fact sheet entitled, *Lead in School Drinking Water, #331-255*

www.doh.wa.gov/Portals/1/Documents/Pubs/331-255.pdf

Washington Tracking Network

<https://fortress.wa.gov/doh/wtn/WTNIBL/>



Washington: Among Children under 6 who are tested, percentage who have reported blood lead levels ≥ 5 mcg/dL

