

Lead Poisoning Prevention: New EPA Renovation, Repair & Painting Rule

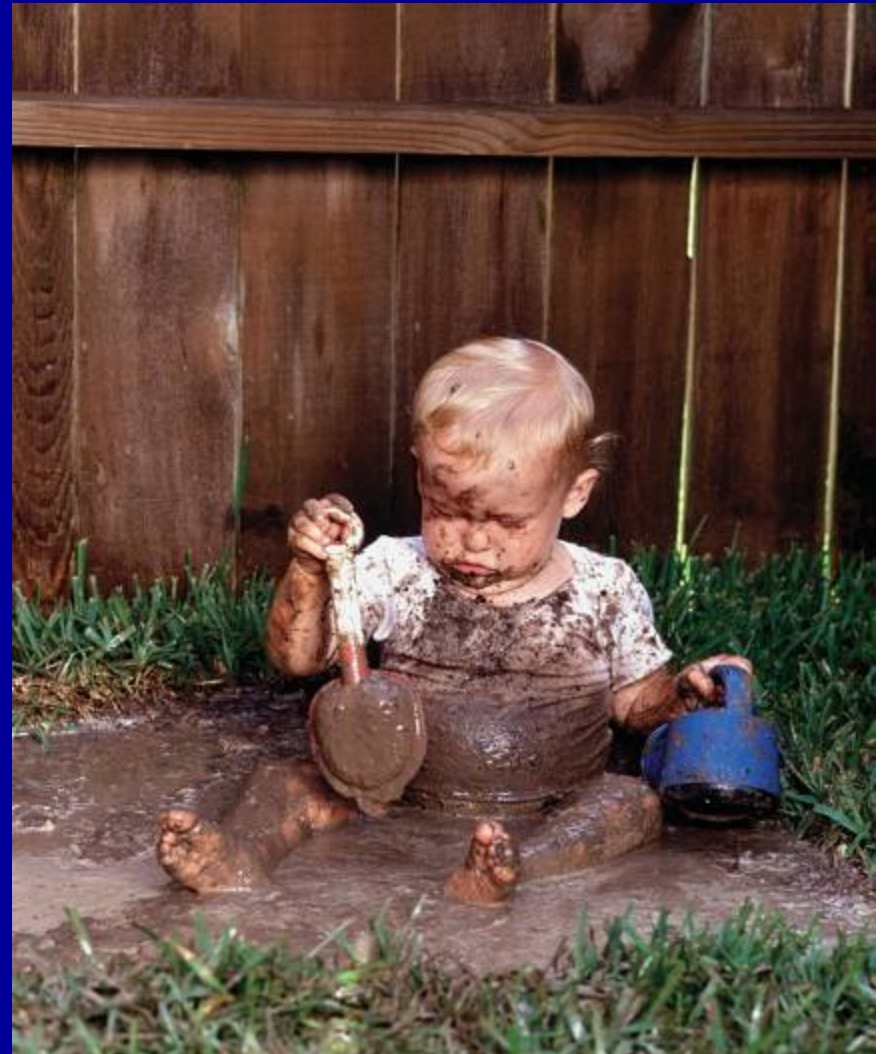


Why Are We Here Today?

- Lead used in paint until 1978 & many schools built before that time.
- Lead is especially dangerous to young children and pregnant women.
- Lead poisoning can be prevented!
New EPA Rules for Renovation, Repair & Painting.

Exposure to Lead

- **Children:** Ingest lead dust from hands, toys and other objects.
- **Adults:** Inhale lead dust during work or hobby.



How Lead Affects Children

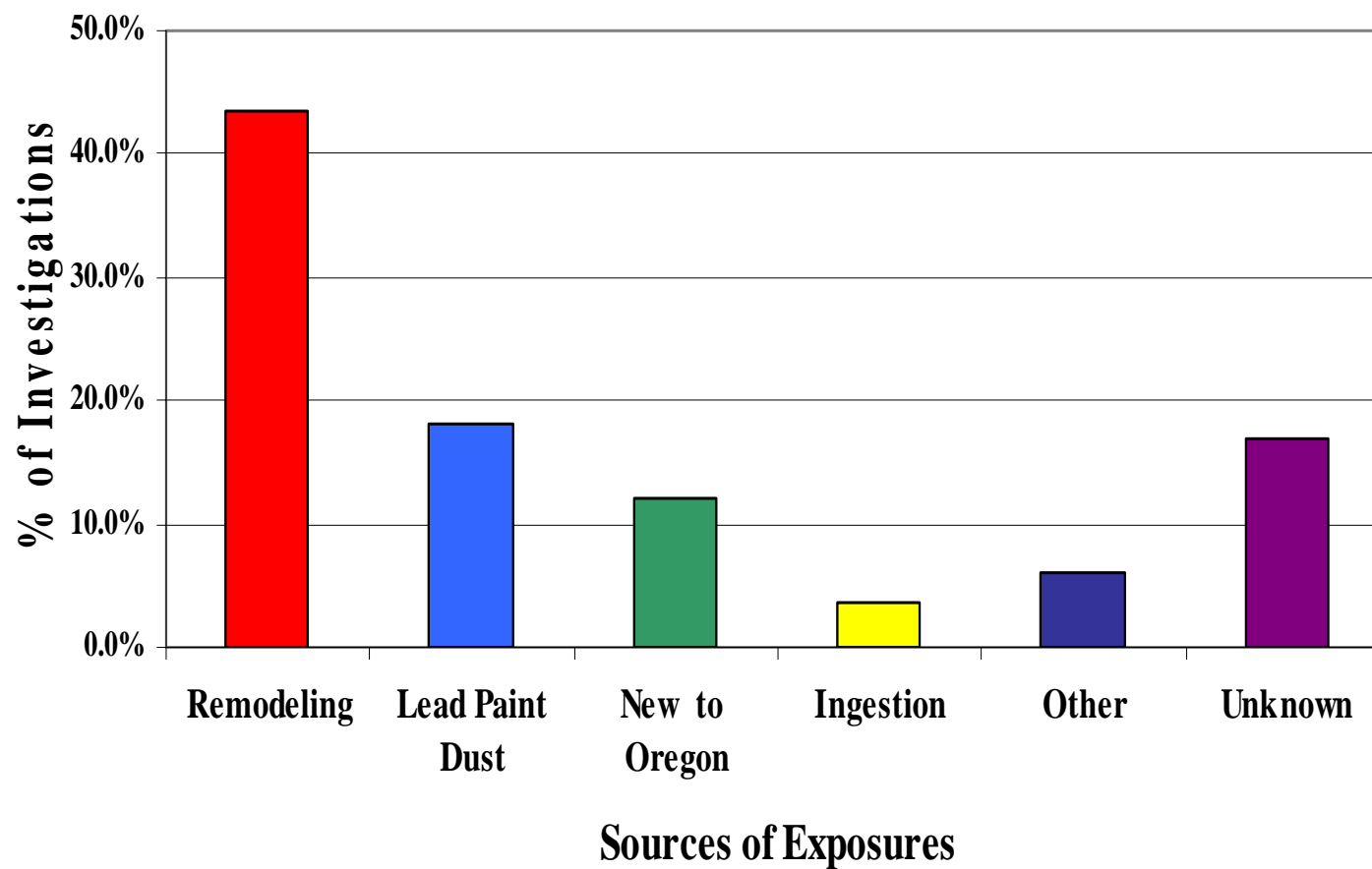
- Brain damage
- Decreased intelligence and attention
- Difficulty learning and reading
- Increased behavioral problems
- Slowed growth and development
- Kidney and liver damage



How Lead Affects Adults

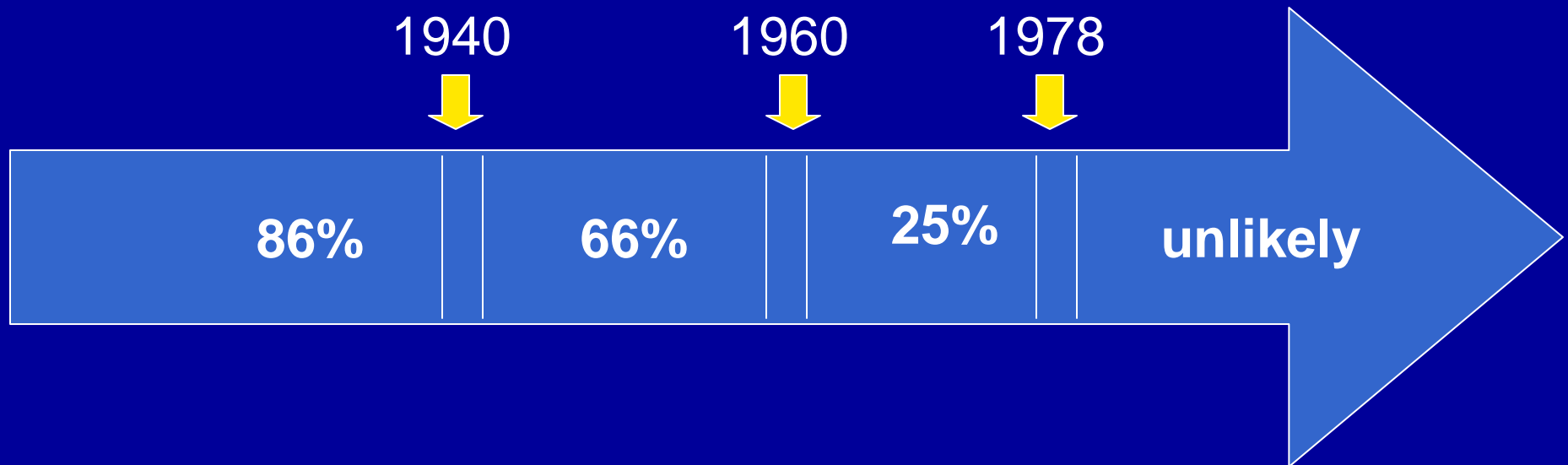
- **Impotency, reduced fertility**
- **Pregnant women: miscarriages, premature births, low birth weight**
- **High blood pressure**
- **Digestive problems**
- **Memory & concentration problems**
- **Muscle & joint pain**

Sources of Childhood Lead Poisoning in Oregon



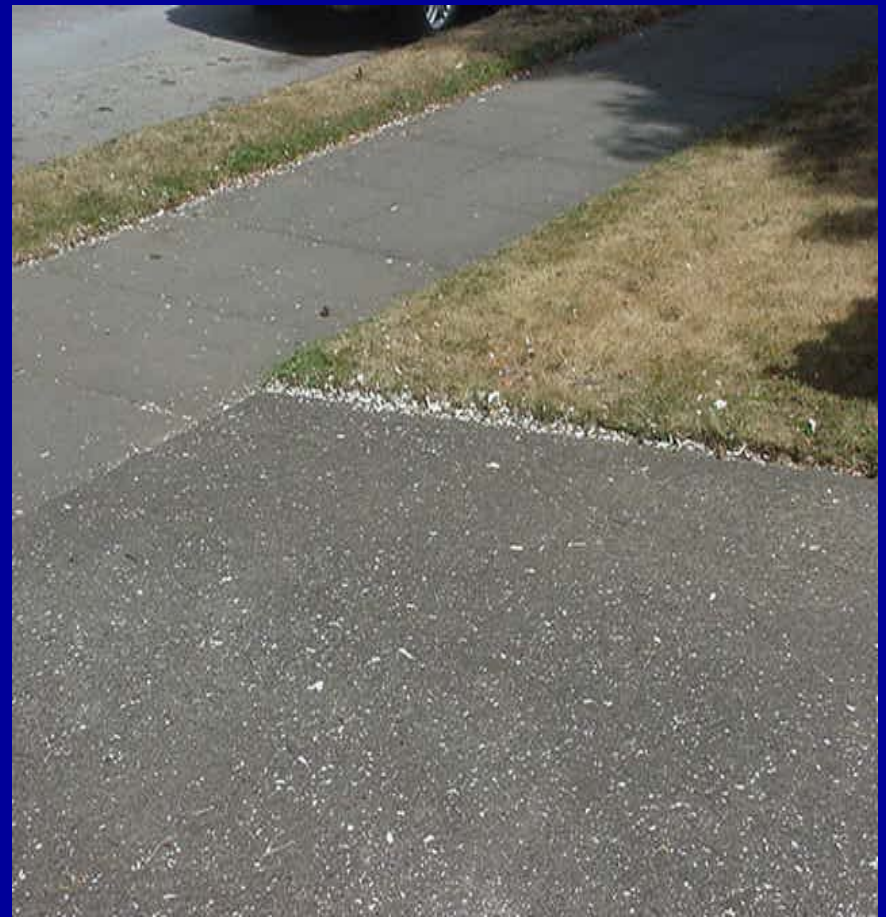
Many Old Buildings and Homes Contain Lead-Based Paint

Built before:





Dry scraping and power sanding, create and spread a large amount of dust and debris



Spot the Hazards



Federal Lead Regulations

- EPA: Abatement & new Renovation, Repair, & Painting (R,R, & P) Rule.
- OSHA-Worker protection standards.

R, R & P Rule

To address lead-based paint hazards created by renovation, repair, and painting activities that disturb lead-based paint in “target housing” and “child-occupied facilities.”

Abatement vs. Renovation

Abatement intended to permanently eliminate (20 yrs +) existing lead hazards.

Renovation

Renovations involve activities designed to update, maintain, or modify all or part of a building for example room addition, painting.

Child-Occupied

- **Pre-1978.**
- **Visited regularly by same child (< 6 3 hrs/day, 2 days/wk).**
- **May be located in public or commercial building. Includes schools & child care facilities.**

Exclusions:

- **Renovations affect only components determined to be free of lead.**
- **Disturb under 6 ft² interior or 20 ft² exterior (except window replacement, demolition & projects involving prohibited practices.**

Exclusions:

- **Work done by individuals in housing they own and occupy.**
- **Emergency renovations (clean-up & cleaning verification still apply).**

RRP Requirements

- Renovators to be certified (5 years) through training.
- Firms to be certified (5 years).
- Training providers to be accredited.
- Use of specific work practices.
- Pre-renovation education.

**Determine if RRP applies to
your school and/or project:**

–What is the building history?

–Pre-1978? All or some areas?

**–Where will children < 6 years
spend time?**

Will RRP Apply? Assume or Test

- **Assume the building has LBP & follow RRP rules.**
- **Have a RRP Certified Renovator test.**
- **Have a state certified paint inspector/risk assessor test the paint.**

RRP & Schools

- **Will staff perform the work?**
- **Need to have a Certified Renovator and Certified Firm if performing maintenance, renovations or repair.**
- **Pre-renovation notification.**
- **Clearance testing recommended.**

Firms

- **Application & fees to EPA and/or authorized state program.**
- **DHS - \$250 every 5 years.**
- **CCB - \$50 annually.**

Firm Responsibilities:

- **Ensure compliance with RRP Rule.**
- **Ensure activities performed by certified renovators or have been trained by a certified renovator.**
- **Assign a Certified Renovator to all jobs.**
- **Meet pre-renovation & recordkeeping requirements.**

Renovator Responsibilities:

- Be present at work site:
 - Warning signs are posted
 - Containment being established
 - Work area cleaning is performed.
- Be available, either on-site or by telephone, at all times that renovations are being conducted.

Renovator Responsibilities:

- Determine if lead-based paint is present.
- Carry copies initial certificate and most recent refresher certificate.
- Must prepare required records.

Lead Paint Determination

- **Written determination by certified inspector or risk assessor, or**
- **Written determination by Certified Renovator using an EPA approved lead test kit.**

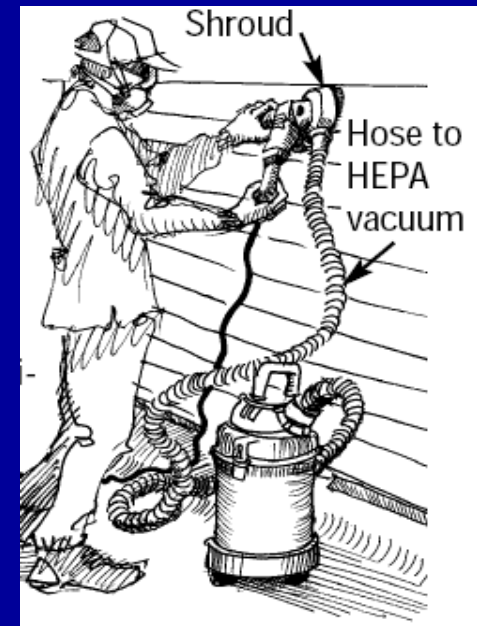
Work Practice Standards:

- **Set-up**
- **Prohibited Practices and Dust Reduction**
- **Cleanup and Cleaning Verification or Clearance**
- **Recordkeeping**

**WARNING
LEAD PAINT WORK
IN PROGRESS
KEEP OUT**

Work Practices-General:

- Post warning signs.
- Isolate the work area-contain debris.
- Prohibited practices:
 - Open flame burning/torching
 - Heat gun above 750 ° F
 - Power machines without HEPA attachment



Interiors

- **Remove or cover objects.**
- **Close or cover HVAC, windows, doors.**
- **Cover floor with plastic.**
- **When leaving work area-ensure staff, tools, waste are free of dust & debris.**

Exteriors

- **Close doors & windows within 20 ft.**
- **Cover ground with plastic sheeting.**



Waste

- Contain waste at all times to prevent releases of dust and debris.



Cleaning

- **No visible dust, chips or debris.**
- **Clean-up plastic sheeting.**
- **Clean all surfaces with HEPA, damp cloth or mop.**
- **Verify cleaning – Card.**

Pre-Renovation Requirements



Enforcement

- **Suspend, revoke, or modify a firm's certification.**
- **Civil penalties up to \$5,000 for each violation.**
- **Licensed Contractor – CCB.**
- **All others (schools, prop. mgmt) – DHS.**

Resources



Lead Poisoning Prevention:

971-673-0440

www.healthoregon.org/lead

LeadLine:

Portland Metro: 503-988-4000

Statewide: 800-368-5060

Questions

