Young Children’s Team –
Public Health
Exposure Prevention

Hazardous Waste Management

Mismanagement of a hazardous waste leads to an exposure risk

LHWMP coordinates with multiple compliance agencies

Lead paint removal on Beacon Hill
Exposure Prevention - Target Audience

Highly Vulnerable:
Children with high blood lead

Highly Motivated: Parents of sick children
Exposure Prevention - Case Work

- Health care providers (HCP) test children for lead; DOH reports to LHWMP
- Staff works with family to identify exposure source and pathways
- Family and HCP receive an “Action Plan” to reduce exposures.
Lead Paint

Painting the House That Jack Built

Do Not Forget the Children—Some Day They May Be Customers
Lead Paint = $\geq 0.5\%$

Pre 1978
Lead Paint, Inside
Toys
Keys & Jewelry

35,747 ppm  3.7% Pb

29,000 ppm  2.9% Pb
Spices

1.10 ppm \rightarrow 0.22 ppm
More cultural exposures

“Bamboo” Candy
9.5 ppm

Cosmetic Rock – 100,000.0 ppm
Exposure Prevention multiple chemical issues

6400 ppm Mercury
Volunteer Training Network (VTN)

Opening Doors into Communities
Promotora is a Public Health community engagement model. Developed for outreach into Hispanic communities. Promotora means “one who promotes”
Promotora = Peer Trainers

Refugee Women's Alliance

LHWMP & ReWA Chinese Promotoras (2012)

Outreach + Education
Train & Support the Trainer

Train

“LHWMP College”

- Promotora Skills trainings
- LHWMP staff = “Professors”
- Develop adapt LHWMP curriculums
- Provide educational materials
- Program evaluation
- Certify ‘Graduate’ volunteers (includes background checks)

Support

Field Logistics

- Recruit Promotoras
- Host “College” trainings
- Help volunteers organize their community
- Supply materials to Promotora
- Receive input on materials and curriculums
- Supply food at community trainings

Local Hazardous Waste Management Program in King County, Washington

ReWA
Community Engagement

Participants shared what they learned with others in their community.
Curriculum Development & Translations

Curriculum Topics
- Lead
- Bed Bugs
- Green Cleaning
- Art Hazards
- Air

Languages
- Chinese
- Vietnamese
- Burmese
- Bhutanese
- Somali
- Spanish
Teaching Kits

Key Questions for Lead

- What it is & Where it is found?
- How it effects YOU?
- What to do & Where to go for more?

Lead: What You Need to Know

- Recognize the actual forms of lead and potential exposures
- Become familiar with health effects in children and adults
- How to get tested and safer strategies for cleaning and where to go for more help
Where it is found?

- Drinking water from solder in pipes
- Car and house keys
- Peeling paint and windows
- Handmade dishes
How lead effects you and your children

Learning Problems

Attention deficit & lack of focus

Smaller body size & smaller growth

Hearing Problems

Trouble with problem solving, reasoning, resolving conflict, and lower I.Q.
What to do and where to go for more?

**What you can do:**

1. **Get Testing**
   - Ask your doctor for a blood lead test.

2. **Safer Cleaning**
   - Wet wash & damp dust.
   - Use a HEPA vacuum.

3. **Healthier Diet**
   - Eat foods rich in calcium, iron, and vitamin C.

---

**Lead Resources: Who do I call?**

- **I want to host a Pranotora or have a friend who may have a child who is exposed to lead:** Contact Debbie Pham at Refugee Women’s Alliance at (206)721-8455 or King County Public Health at 888-TOXIC-ED.

- **I have more questions about lead:** Call King County Hazardous Waste Line at 888-869-4233.

- **I think my child has lead poisoning:** Call your doctor to make an appointment for a lead blood test.

- **I want to report that a company is not repairing, remodeling, or renovating safely:** Call the Washington State Department of Commerce: Lead-based Paint Program Lead Line at (206)586-LEAD (206)586-5323.

Interpreters are available. Say that you speak “Chinese” and you are interested in “lead.” Please be patient while we connect you with a Chinese interpreter.
Healthier and Toxic Free Homes Project

A COMMUNITY DIRECTED PARTNERSHIP

SOAR
building effective partnerships for children, youth & families

Public Health
Seattle & King County
The Guiding Principles

SERVICE EQUITY—FAIR AND JUST

- Any child and family in King County should have access to the knowledge to reduce exposure to toxic substances in their home, regardless of race, income level, and English language proficiency.

- People should have a say in what services they receive and how they receive it.
The Goal

Work with the community as early in the project as possible and work collaboratively on designing and implementing the project—in other words, a TRUE PARTNERSHIP.
Engages residents in the **planning, development, and implementation** of healthy housing activities to reduce chemical exposures in their communities.
Where are we in the process?

• Gathering input for a future service project in 2014 from the 5 communities in South King County.
The Communities

South King County residents

• Spanish-speakers
• Purepecha (indigenous group from Mexico)
• Chinese
• Filipino
• Bhutanese
The Topics

What do you want to learn more about in 2014?

- Lead: 31
- Hazardous Household Chemicals: 39
- Toxics in Toys: 26
- Hazardous Waste Disposal: 17
Some Initial Findings

• Some awareness about toxics...

• But also some misconceptions...

“Paint in old houses have lead in them”

“In some cookware like pans and casseroles that we use. If it burns up, the lead gets into the food that we are cooking so as much as possible, never use those non-stick pans.”
Varying levels of awareness

“I have been living in the US for a very short amount of time, have limited English and do not know how to choose which [household chemicals] to buy.”

“Translate from Mandarin

“It is better to use vinegar, citrus and baking soda [to clean] because they don’t cause any side effects.”

Translated from Tagalog
Next Step

• Working with the communities to design a service project ...

STAY TUNED!
Lauren Brinker   (206) 263-8433
lauren.brinker@kingcounty.gov

Tracee Mayfield   (206) 263-8538
tracee.mayfield@kingcounty.gov

Will Perry   (206) 263-8477
william.perry@kingcounty.gov

Sammi Truong   (206) 263-8814
sammi.truong@kingcounty.gov

Public Health
Seattle & King County

Local Hazardous Waste Management Program in King County, Washington