



**WELCOME to**

**Stepping**

**It Up**

**Together**

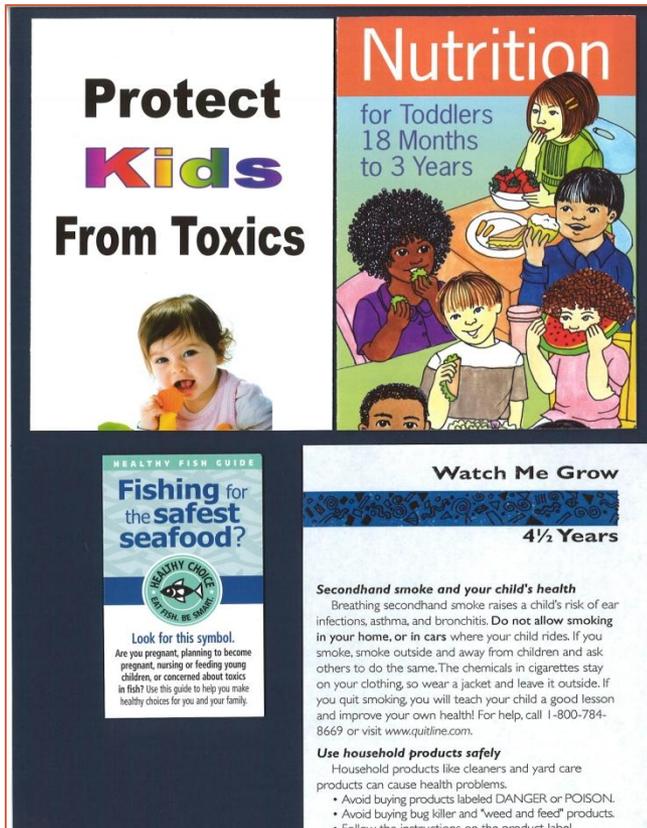


A Northwest Children's  
Environmental Health Forum



# Washington State Department of Health Immunization Program Child Profile

In collaboration with representatives from a variety of environmental health agencies, including DOH-EH, DOE, EPA, UW-PEHU and KC-DNRP

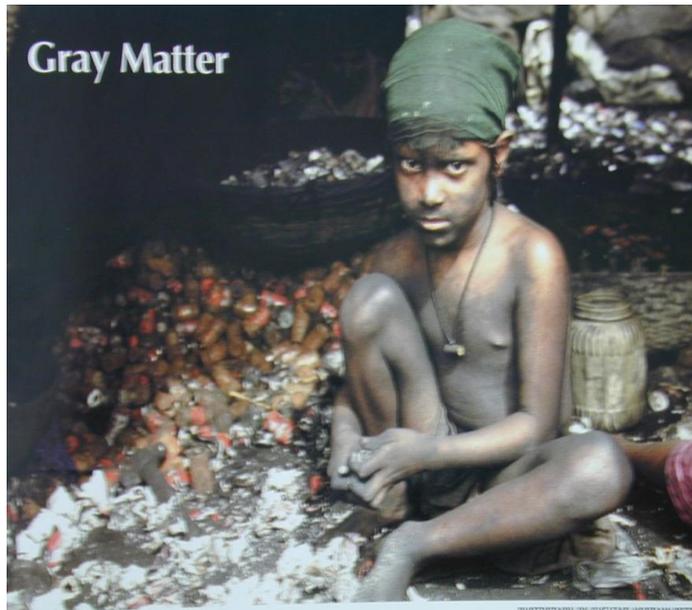


## Key Outcomes/Activities

- Providing 460,000 families with young children each year in Washington State with important EH messaging.
- Distribution of Protect Kids from Toxics brochure and Healthy Fish Guide card to families of children nine months old.
- Increased and on-going collaboration with various environmental health partners to incorporate environmental health in standard well-child and healthy development messages.
- Future work with DOH-EH on projects funded by a grant from the AG's office to support additional materials focused on lead and toys.



**INND**  
**Toxipedia**



## Putting scientific information in the context of history, society, and culture

- **Epiprecaution: When Doing No Harm Is Not Doing Your Best – the need to do GOOD based on epigenetics**
- **Introductory book “A Small Dose of Toxicology”**  
[www.asmalldoseof.org](http://www.asmalldoseof.org)
- **Wiki based web site** [www.toxipedia.org](http://www.toxipedia.org) & [www.ipmopedia.org](http://www.ipmopedia.org)



# DHHS/Indian Health Service

## Division of Environmental Health Services

### Children's Environmental Health In Top **5** Priorities

Comprehensive inspection programs in:

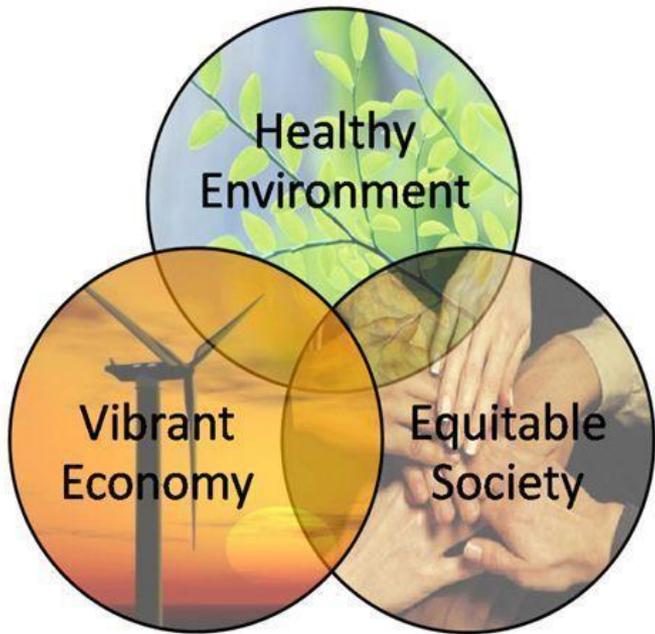
- Schools/child-occupied facilities
  - Day cares / Head Starts
  - Homes
- 
- Focused surveys of chemical lab hazards and pesticide use in schools
  - Environmental investigations in homes based on lead-based paint and mold risk assessments, asthma and other health issues.





# Washington Office of Superintendent of Public Instruction

## Education for Environment and Sustainability Program



### OSPI led the development of K-12 Integrated Environmental and Sustainability Learning Standards

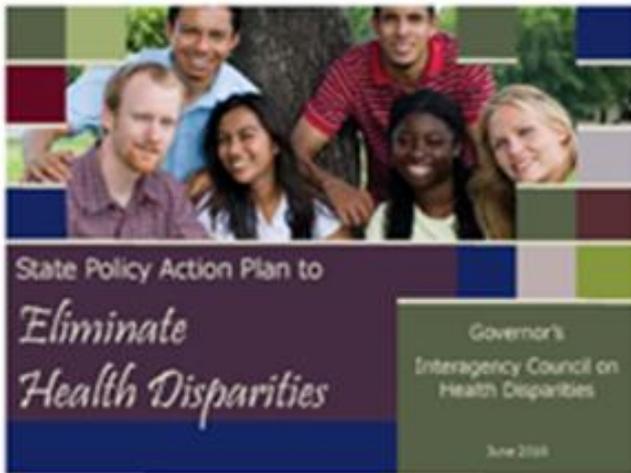
- The standards articulate what students should know and be able to do to be environmentally and sustainability literate.
- They are aligned with social studies and science standards.
- OSPI provides support to teachers (professional development and examples) to implement the standards.



*HealthEquity.wa.gov*

Governor's Interagency Council on Health Disparities

## **Creating policy recommendations to eliminate health disparities by race/ethnicity and gender**



### **KEY OUTCOMES/ACTIVITIES:**

- Environmental exposures & hazards selected as a priority
- Preconception to age 3 population focus
- State Action Plan target December 2012





Open Space  
Healthy Food

Environmental  
Justice  
Transportation  
Links



Clean Land, Air, Water  
Cultural Diversity  
Green Jobs



Children & Elders



Technical Advisory Group

# Duwamish Valley Healthy Communities Project

To identify, prioritize and  
develop action plans  
to address local health  
impacts and disparities



A CARE Project



# Partnership for Sustainable Communities

## Sustainable Communities Grant Opportunities

**Funding opportunities related to livability, environmental quality, and children's health**



- **Walkability audit (Renton)**
- **Equitable regional development plan (Puget Sound Regional Council)**
- **Culturally appropriate housing and development (Spokane Tribe)**



# People For Puget Sound

## Reducing toxic chemicals in Puget Sound

### Goal:

*Lower toxic chemicals such as PCBs, dioxins, PBDEs, mercury, lead, phthalates and more....*

*Fish Consumption rates not reflective of reality!*

*Higher fish consumption rates = cleaner cleanups = cleaner fish*



# WASHINGTON TOXICS COALITION

## Working to Ban Toxic Flame Retardants in Children's Products

Washington Toxics Coalition is campaigning to ban toxic flame retardants TCEP and TDCPP (Chlorinated Tris) with the Toxic-Free Kids Act.

*The Toxic-Free Kids Act will protect children's health by:*

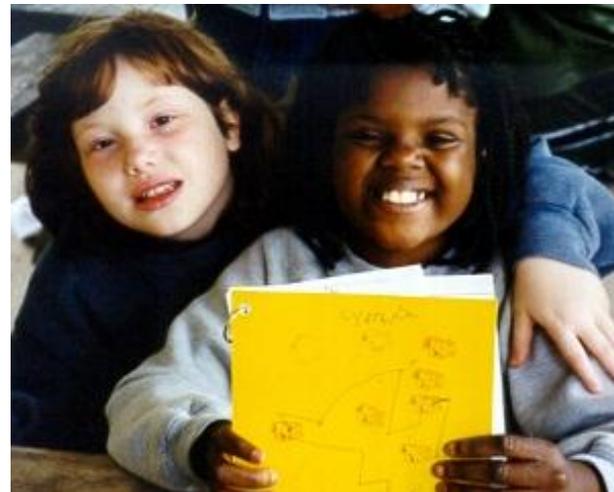
- Prioritizing chemicals we know are harmful to kids for reduction and phaseout.
- Requiring children's product manufacturers to find and use safer alternatives for harmful chemicals in products.

*Keep 'em on the run!*



# American Lung Association Master Home Environmentalist© Program

- Performs over 200 healthy home assessments, participates in 40 health fairs and reaches more than 4,000 people annually
- Parents and children gain knowledge about all the no or low cost things they can do in their home to make it healthier
- People learn to make informed decisions about problems and products
- Renters gain valuable knowledge about tenant laws, rights and responsibilities



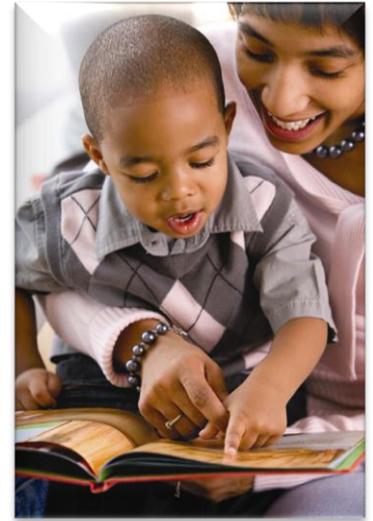
 **AMERICAN LUNG ASSOCIATION.**  
OF THE MOUNTAIN PACIFIC

MASTER HOME  
ENVIRONMENTALIST ©





# Washington State Department of Early Learning



## Preventing harmful environmental exposures in early learning programs

✓ The state-funded preschool program (Early Childhood Education and Assistance Program or ECEAP) standards address safe facilities: [www.del.wa.gov/laws/eceap](http://www.del.wa.gov/laws/eceap)

- Free from exposed lead-based paint
- All flammable, toxic and hazardous materials safely stored

✓ DEL's child care licensing rules focus on safety and health in family home, center-based and school-age care. [www.del.wa.gov/laws/rules/licensing.aspx](http://www.del.wa.gov/laws/rules/licensing.aspx)

✓ Our rules address:

**Pesticides**  
Storage of toxic, flammable, and  
hazardous liquids and chemicals

**Safe water**  
Cleaning and maintenance supplies  
Sewage and liquid wastes

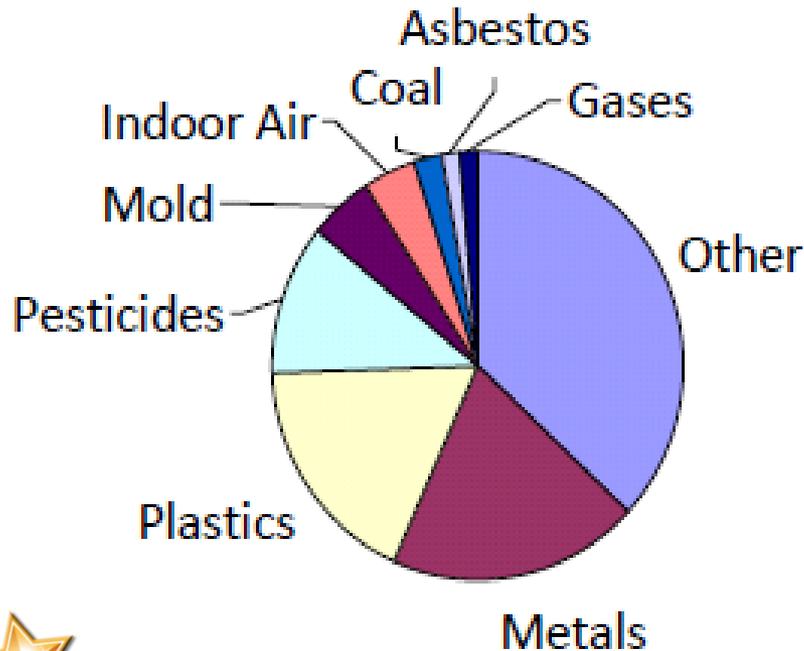


# Pediatric Environmental Health Specialty Unit

## UW PEHSU improves the environmental health of children

- Educational & consultative services to clinicians, public health professionals and the community
- Providing evidence-based information from medical experts

### 2011 Calls



### Factsheets

- Plastics
- Flame retardants
- Wildfires, floods
- Blood lead levels under 10 ug/dl
- Removing lead from drinking water

Learn more from CEH research leaders  
PNW Children's Environmental Health  
**Research Matters**

February 28<sup>th</sup>, 2012





# Earth Ministry

## Children's Safe Product Bill



Earth Ministry intern and Iraqi war veteran Sarah Holmes, with baby Lucy, and Outreach Coordinator Dana Swanson met with state legislators, including Rep. Bruce Dammeier (R-Puyallup), about the Children's Safe Product bill.

This increased:

- Awareness of the religious community's concern for children's health and the environment
- Interest from anti-regulation members of the legislature



# PCC Natural Markets

*Dedicated to reducing chemical exposures*



PCC is teaming up with Seattle-area schools to teach kids the value of good nutrition and healthy habits

- Organic, non-GMO produce
- Free fruit or veggies for kids
- Safer body care





# Puget Sound Clean Air Agency Wood Smoke Reduction Programs

To improve neighborhood air quality and reduce exposure to fine particle pollution, the Agency has administered a wood smoke reduction program. It is targeted to replacing old, high-polluting wood stoves with cleaner, healthier alternatives.

## Program highlights | 2007 to present

- Nearly 1,500 old, uncertified wood stoves replaced.
- Approximately 76 tons of fine particle pollution reduced  
*(equivalent to removing 700+ diesel trucks off the road)*



# **Puget Sound Clean Air Agency**

## **Protecting Children from Toxic Emissions**

**Motor vehicle exhaust contains toxic compounds – which are especially harmful to children. Two Agency programs to improve air quality in and around schools.**

### **School Bus Retrofit Program**

- **More than 2,500 school buses from 50+ school systems in King, Kitsap, Pierce and Snohomish counties retrofitted.**
- **Each retrofit reduces toxic diesel emissions by 50 to 90 percent.**

### **No Idle Zone Program**

- **One car dropping off/picking up a child from school generates three pounds of pollution per month.**
- **Our free, turn-key program helps reduce vehicle-idling at schools.**



**pscleanair.org**  
Puget Sound **Clean Air** Agency



# League of Women Voters of Washington

*[www.lwwa.org](http://www.lwwa.org)*



## **The League of Women Voters of Washington:**

- **Advocates for legislation that reduces children's exposures to toxic chemicals.**
- **Produces weekly Legislative Newsletter informing members of toxics-related legislation, status & bill information, committee & floor hearings.**
- **Prepares a quarterly VOTER newsletter with articles about issues affecting children's environmental health.**
- **Works with Washington Toxics Coalition on these issues.**

# Washington State Dept of Health

## Asthma Home Visit Projects



The Washington State Department of Health Asthma Program has funded two pilot projects with Cowlitz County and the Port Gamble S'Klallam Tribe concentrating on creating effective and low cost asthma home visits to reduce the burden of asthma in the community.

- **Focus:** Children with moderate to severe asthma
- **Protocol:** 3 visits; asthma education & home environmental assessment/trigger reduction; provided by volunteers or community health workers; integrated with client's health care provider
- **Intended Outcomes:** improved asthma control and quality of life; reduced use of emergency care and missed school/work
- **Replicable, measureable and sustainable**





# Healthy Nail Salon Project

## Reducing Chemical Exposure for Nail Salon Workers & Families

Before



### RECOMMENDED CHANGES

- Better ventilation-fresh air
- Safety equipment (PPE)
- Nail polish without
  - formaldehyde
  - toluene
  - phthalates
- Safer chemical storage
- Cleaner salons
- Voucher \$
- Training - now reached 700

After



Wearing

- gloves
- mask
- glasses



# Environmental Protection Agency

## Lower Yakima Valley Groundwater Project



- Concluding a research study to identify the source of nitrate contamination in groundwater.
- Sampled 600 homes for nitrates in support of the county program. 20% tested at or above the MCL.
- County program provided 161 free filtration systems for residents.



## **The Collaborative on Health and the Environment –WA**

**A Partnership Network for Environmental Health  
Children’s Environmental Health Working Group**

**Taught 34 environmental health  
inspectors to look for children’s  
exposure issues in their work.**

**Participants gained:**

- Knowledge of the basics of children's environmental health and exposures.**
- New approaches and tools for home health assessments.**
- New ideas for addressing children’s exposures in their positions and programs.**





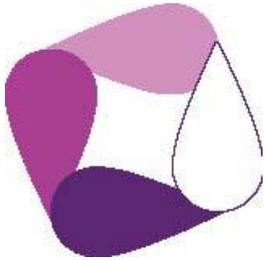
# Washington Chapter American Academy of Pediatrics



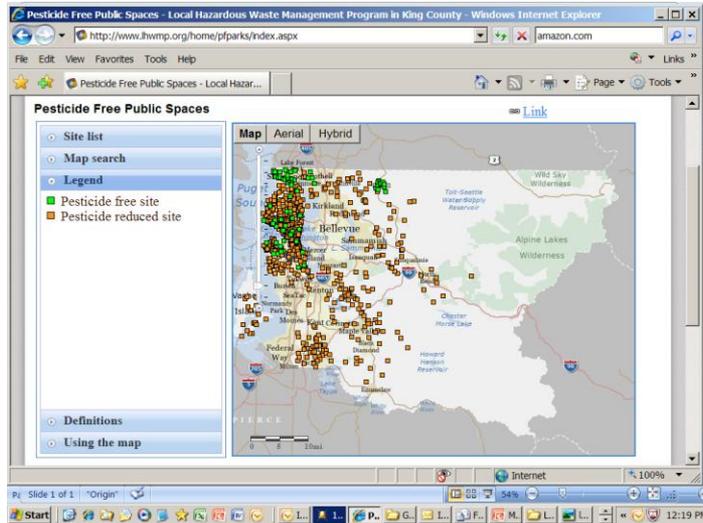
**Supporting efforts to keep children's products toxic-free**

**Collaborating with WA Toxics Coalition**

- **Prioritizing chemicals to be replaced**
- **Requiring manufacturers to find alternatives**
- **Putting harmful chemicals on path for elimination**



# Local Hazardous Waste Management Program in King County Pesticide Free Public Spaces Project



[www.lhwmp.org/home/pfparks/index.aspx](http://www.lhwmp.org/home/pfparks/index.aspx)

**Reduce the use of lawn and garden pesticides in public areas; thereby reducing young children's exposure to these toxicants.**

- **Caregivers use an interactive map to locate pesticide free or pesticide reduced public spaces in their neighborhood.**
- **Institutions are motivated to identify and modify their pesticide usage so they can “be on the map.”**