Environmental Health 2.0

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“Healthy People in a Healthy Environment”

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the National Conversation on PUBLIC HEALTH and CHEMICAL EXPOSURES
State Environmental Health Directors

The State Environmental Health Directors (SEHD) are organized as an informal peer group within ASTHO and receives staff support and connectivity with state and territorial health officials. The SEHD seeks to enhance relationships and communication among states and partners and provide a forum for discussion of key environmental health issues and the sharing of best practices.

Resources

Profile of State Environmental Health: Summary and Analysis of Workforce Changes from 2010-2012
Using data from the ASTHO Profile of State Public Health, Volume Three, this report provides a snapshot of the environmental health workforce and environmental health activities performed by state and territorial health agencies (S/THAs) as reported by Senior Deputies in 2012. Where possible, these findings were compared to data collected from State Environmental Health Directors in 2010.

2013 SEHD Overview and Accomplishments
This document is intended to provide a snapshot of the State Environmental Health Directors (SEHD) group and highlight the groups accomplishments during 2012-2013.
APHL Launches National Biomonitoring Network

Fall 2016

Data from the National Biomonitoring Network will inform environmental health decisions, guide consumer choices and evaluate public health interventions.

Photo: Technologist Rochelle Ransom setting up childhood lead specimens at the Louisville Metro Public Health and Wellness Laboratory.

This Issue

AMD: Optimizing Technology at Public Health Labs
Advanced Molecular Detection is innovating detection and monitoring of diseases.

AIMS Platform: Outpacing Pathogens from the Cloud
Speeding public health data exchange for more than 80 partners nationwide.

Bioinformatics Fellowship Tackles Data Avalanche
2016 Fellows bring their expertise to CDC and the MN public health lab.

APHL Launches National Biomonitoring Network
New network will help inform environmental health decisions, lab programs.
HOW THE ENVIRONMENT IMPACTS OUR HEALTH

People are exposed to risk factors in their homes, work places and communities through:

- Air Pollution including indoors and outdoors
- Inadequate Water, Sanitation and hygiene
- Chemicals and biological agents
- Radiation including ultraviolet and ionizing
- Climate Change
- Built Environments including housing and roads
- Agricultural Practices including pesticide-use, waste-water reuse
- Community Noise
- Occupational Risks

World Health Organization
#EnvironmentalHealth
ENVIRONMENTAL HEALTH SAVES LIVES SAVES MONEY PROTECTS YOUR FUTURE

THE AIR YOU BREATHE
by testing and monitoring the air in the places you live & work
- Despite vehicle miles increasing 172%, combined emissions have dropped 69%
- Radon is a natural gas from rock and soil. Radon can get trapped indoors and cause lung cancer, resulting in 20,000 deaths annually & costing over $2,000,000,000 in health care per year.

THE WATER YOU DRINK
by testing & treating drinking water & inspecting septic systems
- 89% of Americans get tap water from a community water system.
- The number of preschool children with high lead levels has declined from 38% to <1% since 1980.
- Preventing lead exposure is estimated to save over $213,000,000,000 per year.
- 1/3 of new development in U.S. is served by septic treatment systems.
- Clean water results in 10% reduction in diarrhea illness and $84,000,000,000 in savings globally per year.

THE FOOD YOU EAT
by educating, inspecting, & investigating
- Farms and manufacturers
- Restaurants
- Grocery stores
- One in 6 Americans gets sick each year from contaminated food.
- Reducing foodborne illness by 10% keeps 5 million Americans from getting sick per year.
- Food and agriculture lost productivity from foodborne illness costs an average of $30 billion per year.

Environmental health is profoundly local!
Learn more from your city or county environmental health department

Produced by National Environmental Health Association, 2016
An unprecedented investment to tackle health threats facing the United States.
Environment

Welcome to the Environment Section

- Have you or anyone you know ever suffered from an environmentally related illness, such as lead poisoning, E. coli infection or asthma?

- Are you concerned with clean drinking water, safe food, air pollution, the built environment, climate change, or exposure to toxic substances?

- Are you interested in Environmental Protection Agency regulations, climate change research, education, policy, environmental and social justice, or local zoning regulations to promote public health?

If these or similar issues are of interest to you, then you should consider joining the Environment Section today!
Top Ten Public Health Ideas

1. Wash hands.
2. Ride bikes.
3. Picking up trash.
4. Don’t litter.
5. Lice checks.
6. Cover your mouth when you cough.
7. Exercise a lot.
8. Flush toilet.
10. Don’t waste food.
So What?

• The Environmental Health System needs to be re-invented.
• Let’s not use lack of resources as an excuse.
• How can we put the ‘public’ back in environmental public health?
  • Citizen scientists
  • Community-driven programs
  • Professionals that are accessible & accountable
• Each of us can make a difference.
Thank you! Questions?

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