

Environmental Health 2.0

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National Environmental Public Health Conference



"Healthy People in a Healthy Environment"

October 26-28, 2009 • Atlanta, GA





(Photo: Liv Osby)





ENVIRONMENTAL HEALTH

UPCOMING EVENTS

ONC Annual Meeting

Nov 30 - Dec 1, 2017
Washington, DC

National Brownfields Training Conference

Dec 5-7, 2017
Pittsburgh, PA

National Meeting for State Biomonitoring Programs

Dec 5-7, 2017
Princeton, NJ

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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.

[SEHD 2014 ITL](#) [SEHD 2014 ITL](#) [SEHD 2014 ITL](#) [SEHD 2014 ITL](#) [SEHD 2014 ITL](#)

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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



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 **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



(Photo: Liv Osby)



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
ultraviolet and ionizing



COMMUNITY NOISE



OCCUPATIONAL RISKS



AGRICULTURAL PRACTICES
including pesticide-use, waste-water reuse

BUILT ENVIRONMENTS
including housing and roads



CLIMATE CHANGE

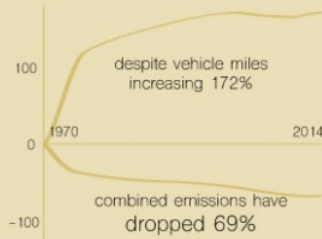


ENVIRONMENTAL HEALTH


SAVES LIVES
SAVES MONEY 
PROTECTS YOUR FUTURE




THE AIR YOU BREATHE

by testing and monitoring the air in the places you live & work




radon is a natural gas from rock and soil

radon can get trapped indoors and cause lung cancer resulting in 20,000 deaths

 & 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

1/3 of new 
 development in U.S.
 is served by septic treatment systems



the number of preschool children with high lead levels has declined from 88% to <1% since 1980

 preventing lead exposure 
 is estimated to **save** over
\$213,000,000,000
 per year 






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



 Lost productivity from foodborne illness costs an average of 
\$30 billion per year 



1 in 6 Americans gets sick each year from contaminated food

reducing foodborne illness by 10% keeps 5 million Americans from getting sick per year



Environmental health is profoundly local!

Learn more from your city or county environmental health department

MEETING COMMUNITY HEALTH NEEDS THROUGH ENVIRONMENTAL HEALTH LABS

APHL Report



SEPTEMBER 2012



Bloomberg American Health Initiative



An unprecedented investment
to tackle health threats facing
the United States.

Environment

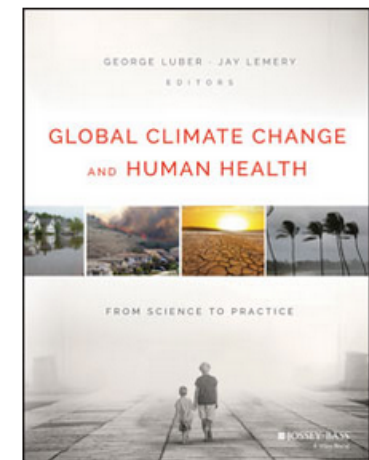
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Welcome to the Environment Section



- 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!

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top ten Public Health ideas

- * Wash hands.
- * Ride bikes
- * Picking up trash
- * Don't litter.
- * Lice checks.
- * Cover your mouth when you cough
- * Exercise alot
- * Flush toilet
- * Plant trees
- * 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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BLOOMBERG SCHOOL
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