



# BUILDING A FRAMEWORK FOR HEALTHY HOUSING

*2008 National Healthy Homes Conference*



Sponsored by:



Baltimore, Maryland • September 15–17, 2008



**BUILDING A FRAMEWORK  
FOR HEALTHY HOUSING**

*2008 National Healthy Homes Conference*

## **Welcome to the 2008 National Healthy Homes Conference!**

The 2008 National Healthy Homes Conference comes at an important time for the federal sponsors. We've spent the last 18 months building what we hope will be a seminal moment in turning our national attention to the need to provide safe, healthy and efficient homes for America's families. The theme, Building a Framework for Healthy Housing, reflects our commitment to pull together a broad community of experts to begin laying the necessary foundation to achieve our healthy homes agenda.

We'll discuss regulatory, policy, research, and outreach needs and their implications in the development of comprehensive, integrated approaches linking health and housing to ensure safe, healthy and efficient housing. We'll examine the lessons learned from our national lead poisoning prevention strategy as we begin building the framework needed to move the national healthy housing agenda to the forefront.

But we want to be clear about one important point. This may be a federally-sponsored conference, but we don't have all the answers. We need you, our partners, to come alongside us, and work together to develop a national strategy for making our nation's homes healthy. We'll look to you for guidance and recommendations this week. We'll rely on your expertise as we think and plan for our future roles in healthy housing. We'll ask you for suggestions on policies that need to be developed and how best to implement them.

Statistically, we have a huge mountain to climb. There are more than 6 million substandard housing units nationwide. Over 24 million homes still have lead-based paint in them. But we've seen from the successes we achieved in reducing childhood lead poisoning over the past decade that we can make a positive impact on the lives of those most vulnerable to housing-related health hazards. Scientific evidence suggests that health problems such as asthma, lead poisoning and unintentional injuries are linked to preventable housing deficiencies. Creating healthier, safer and more efficient housing has the potential to save billions in health care costs and prevent the public health problems that arise from substandard housing. Together, we can make a difference!

Again, welcome to the 2008 National Healthy Homes Conference. We hope you enjoy your time this week and walk away excited about rising to the challenges we'll face in making every home a healthy home.

*The Steering Committee  
2008 National Healthy Homes Conference*

# 2008 National Healthy Homes Conference

## Baltimore: In Focus

In many ways, Baltimore is a microcosm of federal efforts at eliminating childhood lead poisoning, and representative of the broader challenges concerning sustainability and housing related health issues we face. In 1951, Baltimore City's Health Commissioner, Huntington Williams, declared the nation's first ban on the use of lead-based paint in residential housing. Baltimore received a grant from HUD's first round of funding under the new Lead Hazard Control grant program back in 1993. Although significant progress was being made, Baltimore still had among the highest rates of lead poisoning and distressed housing in the nation. Using assistance from HUD, CDC and EPA, the City and key non-profit organizations, like the Coalition to End Childhood Lead Poisoning, came together behind the goal of further reducing childhood lead poisoning and development of a new generation of affordable, lead-safe healthy housing. The State and Baltimore's elected officials and non-profit partners have increased the number of Lead Free or Lead Safe units by 196,642 and decreased the rate of childhood lead poisoning by over 94% in the State and 95% in the City. Maryland's Department of the Environment's Childhood Lead Poisoning Program (CLPPP) have partnered with the Baltimore City Health Department to reach the 2010 goal of lead elimination, and are transitioning its Childhood Lead Poisoning Prevention Program to a Healthy Homes Inspections and Health Services Program. The City of Baltimore stands poised to take the next major step toward integrating approaches to address not only lead-based paint, but ensuring that every home in Baltimore is safe from housing related health hazards.

## Why these Tracks?

The Conference's six tracks were chosen because we believe the healthy housing community will need to address these areas and themes as we begin creating the framework for a national healthy housing agenda. Our past successes in establishing a national lead poisoning prevention strategy and infrastructure will provide significant guidance for healthy housing. More than 200 subject-matter experts from across the country will speak on key issues emerging in the healthy housing community during the Conference's 87 sessions. We focused on designing a program that would stimulate new thinking on core issues, affected disciplines and specific issues critical to stakeholders in the healthy housing community, as we begin building a framework for healthy housing that takes an integrative approach to addressing housing related health issues. We hope you enjoy the conference and begin to catch a vision for the future of healthy housing in the United States.

## FEATURING TRACKS ON:

- Developing Enforcement and Regulatory Strategies
- Marketing Healthy Housing
- Creating Healthy Housing Through Research
- Mainstreaming Healthy Housing Principles
- Educating the Public and Practitioners
- Building Capacity to Deliver Healthy Housing



# General Information

## Registration and Conference Participant Services

The Registration Booths are located in the South Foyer on the second floor. Registration will be open from 5:00PM to 9:00PM on Sunday, 7:00AM to 5:00PM on Monday and Tuesday, and 7:00AM to 10:30AM on Wednesday. Representatives from Healthy Housing Solutions, HUD's contractor for the Conference, can be identified by the "Staff" ribbons on their name badges. They will be on hand throughout the Conference to assist participants with registration, directions to various Conference functions, messages and any other special needs or questions.

Messages for Conference participants will be posted as they are received on a message board directly adjacent to the Registration Booths. In addition, registration assistants from the Baltimore Area Convention and Visitors Association (BACVA) will be available to answer questions about Baltimore attractions, dining options and transportation requirements during the hours of operation of the Registration Booths.

## Exhibition Hall and Poster Board Displays

The Conference Exhibition is being held in the central portion of the Key Ballroom on the second floor. The Exhibition hall will open on Monday from 4:30PM to 6:30PM. Thereafter, the Exhibition hall will be open on Tuesday from 8:00AM to 9:30AM, 12:00PM to 1:30PM and 4:00PM to 5:30PM, and on Wednesday from 8:00AM to 10:00AM.

Poster Board Displays containing presentations about important healthy housing-related research, demonstration projects, program initiatives, and other relevant studies and findings are located in the South Foyer immediately across from the Key Ballroom. Poster Board Presenters will be available for discussion on Monday from 4:30PM to 6:30PM and on Tuesday from 12:00PM to 1:30PM.

## Monday Evening Networking Session

The grand opening of the Conference Exhibition in the Key Ballroom on Monday from 4:30PM to 6:30PM will be a great opportunity to network with other Conference participants while also visiting the many exhibit booths and viewing the Poster Board displays, which are located in the South Foyer.

## Conference Evaluations

An overall Conference Evaluation form is included with the Conference participants' registration package. Additionally, a generic Session Evaluation form will be provided in each of the 87 Conference Track sessions. Participants are strongly encouraged to complete these forms and return them to the designated collection points near the Registration Booths or at the back of the Track session breakout rooms.

## Speaker Ready Room

The Speaker Ready room is located in the Armistead Room on the second floor. It will be available for speakers to prepare for their presentations on Monday and Tuesday from 7:00AM to 4:30PM, and on Wednesday from 7:00AM to 10:30AM.

## Transportation to/from the Sheraton Baltimore City Center Hotel

For Conference participants staying at the Sheraton Baltimore City Center Hotel, motor coach shuttle service is available beginning on Sunday between 4:30PM and 8:30PM, on Monday and Tuesday from 7:30AM to 10:30AM and then from 4:30PM to 7:30PM, and on Wednesday from 7:30AM to 10:30AM and then from 12:00PM to 2:00PM. The coaches will have signs identifying them as being connected to the Conference.

## Dining, Entertainment and Shopping

Baltimore has many fine dining, entertainment, and shopping attractions within easy walking distance of the Hilton, including the world-famous Inner Harbor. The BACVA "Official Visitors Guide," which is included in the Conference participants' registration package, has a wealth of information, ideas and options.

# Tracks

## TRACK 1:

### **Developing Enforcement and Regulatory Strategies**

**Tara Jordan Radosevich**, Healthy Homes Representative, HUD's Office of Healthy Homes and Lead Hazard Control

Tough regulations—and enforcement of them—have proven to be an effective tool in the fight to end childhood lead poisoning. But the development and enforcement of regulations in the healthy homes arena is much more challenging. Jurisdictions often wrestle with a mix of stand-alone laws dealing with specific hazards such as lead, asbestos and carbon monoxide. This track will highlight state and local strategies to achieve healthy housing through the development and enforcement of laws, regulations, housing standards, and construction codes. It will also feature case studies where jurisdictions and non-profits have creatively used other laws to achieve similar outcomes.

## TRACK 2:

### **Marketing Healthy Housing**

**Pamela A. Meyer**, PhD, Healthy Homes Goal Team Leader, CDC/Coordinating Center for Environmental Health and Injury Prevention

This track will present marketing strategies that have been used to promote healthy homes programs and health and safety messages. The strategies include traditional advertising methods, policy development and program capacity building to promote healthy homes programs; health marketing to populations at risk for unsafe and unhealthy housing; and behavioral change approaches to raise awareness and to support the adoption of healthy and safe behaviors at home. Presentations will provide the audience with practical examples of how to market their programs and health messages.

## TRACK 3:

### **Creating Healthy Housing Through Research**

**Peter J. Ashley**, Dr PH, Director, Policy and Standards Division, HUD's Office of Healthy Homes and Lead Hazard Control

This track will examine how to create healthy housing through key research findings and effective methods for the identification, prevention, and control of residential health and safety hazards. Sessions will cover timely issues such as the link between moisture and respiratory illness; the prevalence of lead and other health hazards in homes across the country; the effectiveness of various intervention strategies to reduce asthma morbidity; new assessment tools for mold, and the challenges

and successes of community involvement in healthy homes research. Presenters will be encouraged to identify remaining research priorities within their focus areas.

## TRACK 4:

### **Mainstreaming Healthy Housing Principles**

**Martin Nee**, Healthy Homes Representative, HUD's Office of Healthy Homes and Lead Hazard Control

This track will cover how healthy housing principles can be mainstreamed across the country. A range of topics will be covered from both a technical and practical standpoint, topics ranging from fundamental building science to healthy homes principles. We'll cover the new Energy Star programs, making green construction healthy, how to incorporate green/healthy building principles into rehabilitation, implementing Integrated Pest Management into multifamily buildings, and techniques to reduce mold and allergens.

## TRACK 5:

### **Educating the Public and Practitioners**

**Nikki Walker**, MPH, Public Health Advisor, CDC, Lead Poisoning Prevention Program

This track will feature education, outreach, and training programs and projects related to healthy housing and lead poisoning prevention. We will be looking to highlight programs and projects that take on integrating various topics areas such as lead, asthma, injury prevention, etc. into their education and outreach initiatives. We will discuss educational efforts aimed at varying audiences which include the general public, public health and medical professionals, and housing practitioners. In addition, we will touch on evaluation methodologies for developing best practices and education models.

## TRACK 6:

### **Building Capacity to Deliver Healthy Housing**

**Barry Brooks**, MPA, Public Health Advisor, CDC, Lead Poisoning Prevention Program

This track will explore how strategic alliances and partnerships for building healthy housing programs and initiatives can be implemented from the local to the national level. We'll consider how the lessons learned in developing a national lead hazard control infrastructure can assist in creating the capacity needed to build a framework for healthy housing. Sessions will identify and discuss working collaboratively to form strategic alliances across disciplines to increase programmatic capacity.

# Speakers



**Roy A. Bernardi**  
Deputy Secretary  
*US Department of Housing  
and Urban Development*



**Stephen L. Johnson**  
Administrator  
*US Environmental  
Protection Agency*



**Julie Louise Gerberding, MD, MPH**  
Director  
*Centers for Disease Control  
and Prevention*



**Rear Admiral  
Robert C. Williams, P.E., DEE**  
Acting Deputy  
Surgeon General



**Benjamin L. Cardin**  
US Senator  
*State of Maryland*



**Jack Reed**  
US Senator  
*State of Rhode Island*



**Elijah Cummings**  
US House of Representatives  
*Maryland's 7th District*



**Douglas Gansler**  
Attorney General  
*State of Maryland*



**Sheila Dixon**  
Mayor of Baltimore



**Dr. Joshua Sharfstein**  
Commissioner  
*Baltimore City  
Health Department*



**Ruth Ann Norton**  
Executive Director  
*Coalition to End Childhood  
Lead Poisoning*



# Agenda by Time

**Developing Enforcement and Regulatory Strategies**

**Marketing Healthy Housing**

**Creating Healthy Housing Through Research**

**Mainstreaming Healthy Housing Principles**

**Educating the Public and Practitioners**

**Building Capacity to Deliver Healthy Housing**

## SUNDAY

5:00 PM–9:00 PM **Registration** (South Foyer)

## MONDAY

7:00 AM–5:00 PM **Registration** (South Foyer)

9:00 AM–10:45 AM **Welcome Address** (Holiday Ballroom)  
 Douglas Gansler, Attorney General, State of Maryland  
 Benjamin L. Cardin, US Senator, State of Maryland  
 Elijah Cummings, US House of Representatives, Maryland's 7th District  
 Sheila Dixon, Mayor of Baltimore  
 Dr. Joshua Sharfstein, Commissioner, Baltimore City Health Department  
 Ruth Ann Norton, Executive Director, Coalition to End Childhood Lead Poisoning

BREAK

11:00 AM–12:00 PM **Federal Commitment to Healthy Housing** (Holiday Ballroom)  
 Roy A. Bernardi, Deputy Secretary, US Department of Housing and Urban Development  
 Stephen L. Johnson, Administrator, US Environmental Protection Agency  
 Julie L. Gerberding, MD, MPH, Director, Centers for Disease Control and Prevention  
 Rear Admiral Robert C. Williams, P.E., DEE, Acting Deputy Surgeon General

BREAK

1:30 PM–3:15 PM	Housing and Health Codes 101 (Key Room 1)	Creating and Sustaining the Energy Star Outreach Program (Key Room 2)	Incorporating Community-Based Participatory Research (CBPR) into Housing Research (Key Room 3)	HH Principles (I) A Primer on the Steps to Creating a Healthy Home in New Construction (Key Room 4)	USDA/Cooperative State Research, Education and Extension Service Outreach Initiatives (Key Room 9)	Establishing a State-wide Healthy Homes Program (Key Room 10)
	EPA's Lead Renovation, Repair, and Painting Rule: Next Steps for States (Key Room 11)	Healthy Homes and Healthy People: A Health Behavior Change Perspective (Blake Room)				Establishing a Local Healthy Homes Program (Key Room 12)
	Updates on NLLAP Revisions and Low-Income Housing Tax Credit Lead Issues (Calloway Room A/B)					

BREAK

3:30 PM–4:15 PM **Healthy Housing: A Legislative Perspective** (Holiday Ballroom)  
 Jack Reed, US Senator, State of Rhode Island  
 Kara M. Stein, Legal Counsel & Senior Policy Advisor

BREAK

4:30 PM **SPECIAL DISCUSSION GROUP** (Calloway Room A/B)  
**Transitioning to Healthy Housing: Issues for CDC-funded Programs**  
 Mary Jean Brown, ScD, RN, Chief, Lead Poisoning Prevention Program

4:30 PM–6:30 PM **Exhibition Hall and Poster Board Presentations** (Key Ballroom and South Foyer)  
**Networking Session** (Key Ballroom and South Foyer)

## TUESDAY

7:00 AM–5:00 PM **Registration** (South Foyer)

8:00 AM–9:30 AM **Exhibition Hall Open** (Key Ballroom)

9:00 AM–10:45 AM	Achieving Healthy Homes Without Laws and Codes (Key Room 1)	Marketing Health Messages to Non-English Speakers (Key Room 2)	Local and National Surveillance and Risk Modeling for Lead and Healthy Homes (Holiday Room 1)	High Performance Housing: Private Sector Approaches (Holiday Room 2)	Indoor Pollutants: Connecting with Audiences (Holiday Room 3)	Environmental Justice & Faith-based Organizations (Key Room 10)
	Local Housing Code Enforcement and Education (Calloway Room A/B)	Marketing Healthy Homes to the Media (Holiday Room 6)	Research on Pesticide Exposures and IPM Effectiveness in Low Income Housing (Key Room 3)	HH Principles (II) A Primer on the Steps to Creating a Healthy Home in Rehabilitation Projects (Key Room 4)	Putting Evaluation Into Practice (Holiday Room 4)	Healthy Housing Partnerships (Key Room 12)
			Indoor Air Quality: Research Findings and Priorities (Holiday Room 5)	Healthy Homes Strategic Planning at the State and Local Level (Key Room 11)	Lead Education and Outreach Related to EPA's Renovation, Repair, and Painting Rule (Key Room 9)	
				Sorting Out the IAQ Standards (Blake Room)		

BREAK

11:00 AM–12:30 PM	Consumer Products Safety Standards and Housing (Key Room 1)	Bringing Health Home: CDC's Approach (Key Room 2)	Research Findings & Needs: Is Green Housing Healthy? (Holiday Room 1)	Parks & People: Public Housing Greening Initiative (Holiday Room 2)	Models for Community Education (Holiday Room 3)	A Framework for Healthy Homes Programs (Key Room 10)
	EPA's Lead Renovation, Repair, and Painting Rule 101 (Holiday Room 6)	Setting a National Policy Agenda for Healthy Housing (Holiday Room 5)	Asthma-Targeted Interventions: Results from the Field and Literature Review (Key Room 3)	IPM in Public Housing—Challenges and Results (Key Room 4)	Education Concepts to Promote Healthy Homes Issues (Holiday Room 4)	Moving from Lead to Healthy Housing—Cuyahoga County's Experience (Key Room 12)
	Leading Local Lead Models (Calloway Room A/B)	Advancing Healthy Housing Through Policy (Blake Room)		Energy Star Indoor Air Plus (Key Room 11)	Creating Healthier Homes for Healthier Children: An EPA Perspective (Key Room 9)	



**Developing Enforcement and Regulatory Strategies**

**Marketing Healthy Housing**

**Creating Healthy Housing Through Research**

**Mainstreaming Healthy Housing Principles**

**Educating the Public and Practitioners**

**Building Capacity to Deliver Healthy Housing**

**TUESDAY (continued)**

12:00 PM–1:30 PM **Exhibition Hall and Poster Board Presentations** (Key Ballroom and South Foyer)

**BREAK**

1:00 PM–1:50 PM **SPECIAL DISCUSSION GROUP: HUD's Draft Healthy Homes Strategic Plan** (Key Room 12)

2:00 PM–3:45 PM	Approaches to Improve Housing Codes (Key Room 1)	Leveraging Foundation Funding to Enhance Healthy Homes Programs (Key Room 2)	Lead from Exterior Sources and Advances in Field Testing (Holiday Room 1)	Investing in Best Practices for Asthma: A Business Case for Education and Environmental Interventions (Holiday Room 2)	Primary Prevention Efforts in Healthy Housing (Holiday Room 3)	An Introduction to Building Green (Key Room 10)
	Defining and Reaching the Elimination of Lead Poisoning (Holiday Room 4)	Motivating Behavior Change at Home: EPA Public Service Advertising Campaigns (Key Room 11)	Moisture and Respiratory Health: A Combined Analysis of the Research and a Survey of Moisture/Mold Remediation Professionals (Key Room 3)	Promoting IPM in Private Housing—Latest Developments in the Field (Key Room 4)	Healthy Homes Training and Credentialing (Key Room 9)	Innovative State Initiatives for Healthy Homes (Key Room 12)
	From Carrot to Stick: Using Laws to Keep Homes Healthy (Calloway Room A/B)		Translating Healthy Housing Research into Practice: Lessons Learned From a Boston-based IPM and Asthma Research and Demonstration Project in Public Housing (Holiday Room 5)			
			Results of Home Hazard Assessments in Diverse Urban Communities and Improving Asthma Hazard Assessment (Holiday Room 6)			

**BREAK**

4:00 PM–5:30 PM	Leveraging Action Under Existing Laws and Codes (Key Room 1)	Innovative Financing Strategies to Enhance Health Homes Programs (Key Room 2)	Asthma-Friendly Construction and Rehab Practices in Low-Income Housing (Key Room 3)	Combustion Safety: What Your Program Needs to Know (Holiday Room 2)	Educating Audiences to Promote Healthy Home Environments (Holiday Room 3)	Case Management and Relocation (Holiday Room 1)
	Innovative Code Approaches—Pest, Mold and Green (Calloway Room A/B)	Using Social Marketing to Create Healthy Housing: A Seven Step Approach (Holiday Room 6)	Mold/ Moisture Assessment Research (Holiday Room 5)	From the Ground Up: Technologies to Address Mold, Radon and Moisture in Housing (Key Room 4)	Empowerment and Environmental Justice (Holiday Room 4)	Home Safety Programs (Key Room 10)
			Should the Lead Dust Standards be Lowered? (Blake Room)	Is Green Building Healthy Housing? What Green Really Means for Healthy (Key Room 11)	Alternative Strategies for Community Outreach (Key Room 9)	Promoting IPM Through Strategic Partnerships (Key Room 12)

4:00 PM–5:30 PM **Exhibition Hall Open** (Key Ballroom)

**WEDNESDAY**

7:00 AM–10:30 AM **Registration** (South Foyer)

8:00 AM–10:00 AM **Exhibition Hall Open** (Key Ballroom)

9:00 AM–10:45 AM	Special Laws—Carbon Monoxide and Radon (Key Room 1)	Promoting Healthy Homes: The Grassroots Approach (Key Room 2)	Evidence-Based Healthy Homes Interventions: Results From the CDC Expert Panel Meeting (Holiday Room 2)	Environmental Tobacco Smoke in Multifamily Housing (Key Room 4)	Home Safety Education (Holiday Room 1)	Lessons Learned from Hurricane Katrina: Building Contractor Capacity (Key Room 10)
	Baltimore and Maryland Enforcement Effort (Calloway Room A/B)	Assuring Healthy Housing for the Senior Population (Holiday Room 3)	Findings from the American Healthy Homes Survey (AHHS) (Key Room 3)		Working with High-Risk Populations (Key Room 9)	Health and Housing Collaborations (Key Room 12)
		Return on Investment of Green Housing Standards (Key Room 11)				Integrating Lead into Housing Programs (Blake Room)

**BREAK**

11:00 AM–12:30 PM **A Town Hall Meeting: The Future of Healthy Homes** (Holiday Ballroom 4, 5, 6)  
**Facilitator:** Rebecca L. Morley, Executive Director, National Center for Healthy Housing  
**Panelists:** Jon Gant, Director, HUD's Office of Healthy Homes and Lead Hazard Control  
 Dr. Mary Jean Brown, Chief, Childhood Lead Poisoning Prevention Branch, CDC  
 Ralph A. Otto, Associate Administrator, USDA CSREES  
 Dave Rowson, Director, Center for Asthma and Schools, EPA Indoor Environments Division  
 Patrick MacRoy, Alliance for Healthy Homes  
 (Please see full description on page 36.)

# Agenda by Track

TIME SLOT	SESSIONS	ROOM
<b>DEVELOPING ENFORCEMENT AND REGULATORY STRATEGIES</b>		
<b>MONDAY</b>		
1:30 PM–3:15 PM	Housing and Health Codes 101 EPA's Lead Renovation, Repair, and Painting Rule: Next Step for States Updates on NLLAP Revisions and Low-Income Housing Tax Credit Lead Issues	Key Room 1 Key Room 11 Calloway Room A/B
<b>TUESDAY</b>		
9:00 AM–10:45 AM	Achieving Healthy Homes Without Laws and Codes Local Housing Code Enforcement and Education	Key Room 1 Calloway Room A/B
11:00 AM–12:30 PM	Consumer Products Safety Standards and Housing EPA's Lead Renovation, Repair, and Painting Rule 101 Leading Local Lead Models	Key Room 1 Holiday Room 6 Calloway Room A/B
2:00 PM–3:45 PM	Approaches to Improve Housing Codes Defining and Reaching the Elimination of Lead Poisoning From Carrot to Stick: Using Laws to Keep Homes Healthy	Key Room 1 Holiday Room 4 Calloway Room A/B
4:00 PM–5:30 PM	Leveraging Action Under Existing Laws and Codes Innovative Code Approaches—Pest, Mold and Green	Key Room 1 Calloway Room A/B
<b>WEDNESDAY</b>		
9:00 AM–10:45 AM	Special Laws—Carbon Monoxide and Radon Baltimore and Maryland Enforcement Effort	Key Room 1 Calloway Room A/B
<b>MARKETING HEALTHY HOUSING</b>		
<b>MONDAY</b>		
1:30 PM–3:15 PM	Creating and Sustaining the Energy Star Outreach Program Healthy Homes and Healthy People: A Health Behavior Change Perspective	Key Room 2 Blake Room
<b>TUESDAY</b>		
9:00 AM–10:45 AM	Marketing Health Messages to Non-English Speakers Marketing Healthy Homes to the Media	Key Room 2 Holiday Room 6
11:00 AM–12:30 PM	Bringing Health Home: CDC's Approach Setting a National Policy Agenda for Healthy Housing Advancing Healthy Housing through Policy	Key Room 2 Holiday Room 5 Blake Room
2:00 PM–3:45 PM	Leveraging Foundation Funding to Enhance Healthy Homes Programs Motivating Behavior Change at Home: EPA Public Service Advertising Campaigns	Key Room 2 Key Room 11
4:00 PM–5:30 PM	Innovative Financing Strategies to Enhance Healthy Homes Programs Using Social Marketing to Create Healthy Housing: A Seven Step Approach	Key Room 2 Holiday Room 6
<b>WEDNESDAY</b>		
9:00 AM–10:45 AM	Promoting Healthy Homes: The Grassroots Approach Assuring Healthy Housing for the Senior Population Return on Investment of Green Housing Standards	Key Room 2 Holiday Room 3 Key Room 11
<b>CREATING HEALTHY HOUSING THROUGH RESEARCH</b>		
<b>MONDAY</b>		
1:30 PM–3:15 PM	Incorporating Community-Based Participatory Research (CBPR) into Housing Research	Key Room 3
<b>TUESDAY</b>		
9:00 AM–10:45 AM	Local and National Surveillance and Risk Modeling for Lead and Healthy Homes Research on Pesticide Exposures and IPM Effectiveness in Low Income Housing Indoor Air Quality: Research Findings and Priorities	Holiday Room 1 Key Room 3 Holiday Room 5
11:00 AM–12:30 PM	Research Findings & Needs: Is Green Housing Healthy? Asthma-Targeted Interventions: Results from the Field and Literature Review	Holiday Room 1 Key Room 3
2:00 PM–3:45 PM	Lead from Exterior Sources and Advances in Field Testing Moisture and Respiratory Health: A Combined Analysis of the Research and a Survey of Moisture/Mold Remediation Professionals Translating Healthy Housing Research into Practice: Lessons Learned From a Boston-based IPM and Asthma Research and Demonstration Project in Public Housing Results of Home Hazard Assessments in Diverse Urban Communities and Improving Asthma Hazard Assessment	Holiday Room 1 Key Room 3 Holiday Room 5 Holiday Room 6
4:00 PM–5:30 PM	Asthma-Friendly Construction and Rehab Practices in Low-Income Housing Mold/ Moisture Assessment Research Should the Lead Dust Standards be Lowered?	Key Room 3 Holiday Room 5 Blake Room
<b>WEDNESDAY</b>		
9:00 AM–10:45 AM	Evidence-Based Healthy Homes Interventions: Results From the CDC Expert Panel Meeting Findings from the American Healthy Homes Survey (AHHS)	Holiday Room 2 Key Room 3



TIME SLOT	SESSIONS	ROOM
<b>MAINSTREAMING HEALTHY HOUSING PRINCIPLES</b>		
<b>MONDAY</b>		
1:30 PM–3:15 PM	HH Principles (I) A Primer on the Steps to Creating a Healthy Home in New Construction	Key Room 4
<b>TUESDAY</b>		
9:00 AM–10:45 AM	High Performance Housing: Private Sector Approaches HH Principles (II) A Primer on the Steps to Creating a Healthy Home in Rehabilitation Projects Healthy Homes Strategic Planning at the State and Local Level Sorting Out the IAQ Standards	Holiday Room 2 Key Room 4 Key Room 11 Blake Room
11:00 AM–12:30 PM	Parks & People: Public Housing Greening Initiative IPM in Public Housing—Challenges and Results Energy Star Indoor Air Plus	Holiday Room 2 Key Room 4 Key Room 11
2:00 PM–3:45 PM	Investing in Best Practices for Asthma: A Business Case for Education and Environmental Interventions Promoting IPM in Private Housing—Latest Developments in the Field	Holiday Room 2 Key Room 4
4:00 PM–5:30 PM	Combustion Safety: What Your Program Needs to Know From the Ground Up: Technologies to Address Mold, Radon and Moisture in Housing Is Green Building Healthy Housing? What Green Really Means for Healthy	Holiday Room 2 Key Room 4 Key Room 11
<b>WEDNESDAY</b>		
9:00 AM–10:45 AM	Environmental Tobacco Smoke in Multifamily Housing	Key Room 4

<b>EDUCATING THE PUBLIC AND PRACTITIONERS</b>		
<b>MONDAY</b>		
1:30 PM–3:15 PM	USDA/Cooperative State Research, Education and Extension Service Outreach Initiatives	Key Room 9
<b>TUESDAY</b>		
9:00 AM–10:45 AM	Indoor Pollutants: Connecting with Audiences Putting Evaluation Into Practice Lead Education and Outreach Related to EPA's Renovation, Repair, and Painting Rule	Holiday Room 3 Holiday Room 4 Key Room 9
11:00 AM–12:30 PM	Models for Community Education Education Concepts to Promote Healthy Homes Issues Creating Healthier Homes for Healthier Children: An EPA Perspective	Holiday Room 3 Holiday Room 4 Key Room 9
2:00 PM–3:45 PM	Primary Prevention Efforts in Healthy Housing Healthy Homes Training and Credentialing	Holiday Room 3 Key Room 9
4:00 PM–5:30 PM	Educating Audiences to Promote Healthy Home Environments Empowerment and Environmental Justice Alternative Strategies for Community Outreach	Holiday Room 3 Holiday Room 4 Key Room 9
<b>WEDNESDAY</b>		
9:00 AM–10:45 AM	Home Safety Education Working with High-Risk Populations	Holiday Room 1 Key Room 9

<b>BUILDING CAPACITY TO DELIVER HEALTHY HOUSING</b>		
<b>MONDAY</b>		
1:30 PM–3:15 PM	Establishing a State-wide Healthy Homes Program Establishing a Local Healthy Homes Program	Key Room 10 Key Room 12
<b>TUESDAY</b>		
9:00 AM–10:45 AM	Environmental Justice & Faith-based Organizations Healthy Housing Partnerships	Key Room 10 Key Room 12
11:00 AM–12:30 PM	A Framework for Healthy Homes Programs Moving from Lead to Healthy Housing—Cuyahoga County's Experience	Key Room 10 Key Room 12
2:00 PM–3:45 PM	An Introduction to Building Green Innovative State Initiatives for Healthy Homes	Key Room 10 Key Room 12
4:00 PM–5:30 PM	Case Management and Relocation Home Safety Programs Promoting IPM Through Strategic Partnerships	Holiday Room 1 Key Room 10 Key Room 12
<b>WEDNESDAY</b>		
9:00 AM–10:45 AM	Lessons Learned from Hurricane Katrina: Building Contractor Capacity Health and Housing Collaborations Integrating Lead into Housing Programs	Key Room 10 Key Room 12 Blake Room

# Session Descriptions

## Developing Enforcement and Regulatory Strategies

### EPA's Lead Renovation, Repair, and Painting Rule—Next Steps for States

Monday, 1:30 PM–3:15 PM

**Moderator:**

**Darlene Watford**, Environmental Scientist, Program Assessment and Outreach Branch, National Program Chemicals Division, Office of Pollution Prevention and Toxics, US Environmental Protection Agency

Under EPA's new Renovation, Repair, and Painting (RRP) Rule, States need to decide whether they want to accept delegation of authority, and consequently determine how they will implement the requirements. The goal of this session is to equip these staffs with the tools they need to develop regulations including model state legislation to exceed the EPA requirements, if desired.

**Presenters:**

**Maria J. Doa**, PhD, Director, National Programs Chemical Division, Office of Pollution Prevention and Toxics, US EPA  
**Richard Leiker**, Program Manager, Oregon Lead Poisoning Prevention Program  
**Patrick MacRoy**, Executive Director, Alliance for Healthy Homes

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### Housing & Health Codes 101

Monday, 1:30 PM–3:15 PM

**Moderator:**

**Joanna Miller**, J. Miller & Associates, Inc./Lead and Environmental Hazards Association, President

The International Property Maintenance Code is the nation's model housing code. Many elements of the code make homes healthier, if people understand the code and enforce it properly. Sanitation codes, where available, can also be used to make homes healthier. This session will explain the context of the IPMC, the International Code system, and the sanitation codes so that jurisdictions can utilize them to better achieve healthy housing.

**Presenters:**

**Tom Neltner**, JD, CHMM, Director of Training and Education, National Center for Healthy Housing  
**JoAnn Velde**, Deputy Director, Housing Inspection Services, City of Minneapolis (invited)

### Updates on NLLAP Revisions and Low-Income Housing Tax Credit Lead Issues

Monday, 1:30 PM–3:15 PM

**Moderator:**

**Dr. Robert F. Weisberg**, Senior Environmental Scientist, HUD's Office of Healthy Homes and Lead Hazard Control

This session will address the revised National Lead Laboratory Accreditation Program (NLLAP) and the IRS's Low Income Housing Tax Credit Program. EPA recently revised the NLLAP to allow for field sampling and measurement; the basis for, and implementation of, the revisions will be discussed. During renovations financed by the tax credit program, owners of pre-1978 housing should be making the housing lead safe. The goal is to dispel myths, outline the programs' requirements, and provide program recommendations.

**Presenters:**

**Jacqueline E. Mosby**, Chief, Program Assessment and Outreach Branch, Office of Pollution Prevention and Toxics, US Environmental Protection Agency  
**Bill Radosevich**, Environmental Manager, Thermo Scientific  
**Warren Friedman**, PhD, Senior Advisor, HUD's Office of Healthy Housing and Lead Hazard Control  
**Andrew Cohen**, Tax Credit Administrator, Maryland Department of Housing and Community Development  
**David E. Jacobs**, PhD, Director of Research, National Center for Healthy Housing

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### Achieving Healthy Homes Without Laws and Codes

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Sue Gunderson**, Executive Director, CLEARCorps USA

Many communities do not have a housing code or lead paint laws. There are additional challenges in rural areas. Health and housing professionals need to rely on general public health and public nuisance authorities and federal laws to address serious health problems associated with hazardous chemicals. The goal of this session will be to equip health department and housing agency staff with alternative legal models for achieving healthy homes.

# Session Descriptions

## Developing Enforcement and Regulatory Strategies

### **Presenters:**

**Samantha Harrykissoon**, JD, MPH, Policy Analyst, Lead Poisoning Prevention Program, Centers for Disease Control and Prevention

**Doug Farquhar**, JD, Program Director for Environmental Health, National Conference of State Legislatures

**Kane Young**, Iowa Department of Public Health

**Tom Neltner**, JD, CHMM, Director of Training and Education, National Center for Healthy Housing

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### **Local Housing Code Enforcement and Education**

**Tuesday, 9:00 AM–10:45 AM**

#### **Moderator:**

**Jane Malone**, Housing Policy Director, Alliance for Healthy Homes

Housing codes deal with blight, safety, overcrowding, and health. This session will highlight communities that have taken efforts to reinvigorate or restructure their housing code enforcement efforts. Participants will understand the driving forces behind these efforts and assess opportunities to bring about similar efforts in their community. In addition, NCHH will explain its analysis of the American Housing Survey identifying the likelihood of interior problems based on external inspection.

#### **Presenters:**

**Maurice Pantoja**, Los Angeles County Department of Public Health

**Barbara Hairston**, MS, REHS, CDC Program Manager, Los Angeles County Department of Public Health

**Linda Kite**, Healthy Homes Collaborative

**Liseth Romero-Martinez**, Los Angeles Housing Department

### **Consumer Products Safety Standards and Housing**

**Tuesday, 11:00 AM–12:30 PM**

#### **Moderator:**

**Tom Neltner**, JD, CHMM, Director of Training and Education, National Center for Healthy Housing

Many healthy homes issues stem from consumer products such as wood products, air fresheners, and insulation. Some consumer products such as air purifiers claim to make the air healthier. The goal of this session is to review the U.S. Consumer Products Safety Commission's responsibilities and regulations, and provide recommendations for regulatory enhancements to better protect public health.

#### **Presenters:**

**Joanna Matheson**, PhD, Toxicologist, Consumer Product Safety Commission (invited)

**Ralph Scott**, Community Projects Director, Alliance for Healthy Homes

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### **EPA's Lead Renovation, Repair, and Painting Rule 101**

**Tuesday, 11:00 AM–12:30 PM**

#### **Moderator:**

**Doreen Cantor Paster**, Environmental Protection Specialist, National Program Chemicals Division, Office of Pollution Prevention and Toxics, US Environmental Protection Agency

When the regulations go into effect in April 2010, EPA's Renovation, Repair, and Painting (RRP) Rule will have a direct and tangible impact on more than 100,000 contractors that conduct renovations, and hundreds of thousands of property managers and landlords. The goal of this session is to ensure that those covered by the rules understand the new requirements and are aware of the key deadlines.

#### **Presenters:**

**Michelle Price**, Chief, Lead, Heavy Metals and Inorganics Branch, National Program Chemicals Division, Office of Pollution Prevention and Toxics, US Environmental Protection Agency

**Lee Wasserman**, President, LEW Corporation

**Matthew Chachere**, JD, New York City Coalition to End Lead Poisoning



## Leading Local Lead Models

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**Mary Sue Schottenfels**, Executive Director,  
CLEARCorps/Detroit

Communities are the vanguard of innovation and impact when it comes to lead poisoning prevention. They tailor their regulations to the needs and dynamics of their community. By highlighting examples of rule development and enforcement in these progressive communities, this session will equip policy developers and decision makers with real-world examples to develop their own ordinances to promote both lead poisoning prevention and healthy homes.

**Presenters:**

**Alan Johanns**, Asbestos & Lead Program Manager, City of San Diego  
**Katrina Korfmacher**, PhD, Assistant Professor, University of Rochester  
**Mary Morrow**, JD, Lead Attorney, Wayne County Prosecutor’s Office

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## Approaches to Improve Housing Codes

Tuesday, 2:00 PM–3:45 PM

**Moderator:**

**Joanna Miller**, J. Miller & Associates, Inc./Lead and Environmental Hazards Association, President

Everyone has a stake in a community’s housing or health code. As a result, revisions to codes can be controversial and politically charged. This session will highlight communities that have undertaken a systematic review of their housing code and identify successful strategies and the resources needed.

**Presenters:**

**Cliff Mitchell**, MS, MD, MPH, Director, Environmental Health Coordination and Public Health Residency Program, Maryland Department of Health and Mental Hygiene  
**Pam Meyer**, PhD, National Center for Environmental Health, Centers for Disease Control and Prevention  
**Erin McNally**, Executive Director, Josiah Hill Clinic

## Defining and Reaching Elimination of Lead Poisoning

Tuesday, 2:00 PM–3:45 PM

**Moderator:**

**Zuleika Morales Romero**, Director, Lead Programs Enforcement Division, HUD’s Office of Healthy Homes and Lead Hazard Control

Many states and localities have established lead elimination plans, and are in various phases of evaluating the likelihood of meeting their 2010 deadlines. Yet, many are beginning to question what reaching “elimination” will really mean. This session will provide assistance to jurisdictions pushing into a broader healthy homes approach, while keeping expertise and resources focused on ending childhood lead poisoning.

**Presenter:**

**Patrick MacRoy**, Executive Director, Alliance for Healthy Homes

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## From Carrot to Stick: Using Laws to Keep Homes Healthy

Tuesday, 2:00 PM–3:45 PM

**Moderator:**

**Tara Jordan Radosevich**, Healthy Homes Representative, HUD’s Office of Healthy Homes and Lead Hazard Control

Many advocates have been proactive in reducing exposure to indoor toxins through innovative legal remedies. Representatives from Boston will present on the Breath Easy at Home program and the Medical-Legal Partnership for Children. From the Twin Cities, an attorney with the Tobacco Law Center will highlight the center’s work with organizations to promote smoke-free housing. This session will help participants understand these legal innovations to replicate them in their community.

**Presenters:**

**Megan Sandel**, MD, MPH, Assistant Professor of Pediatrics, Boston Medical Center  
**Roger Swartz**, Director of Community Initiatives, Boston Public Health Commission  
**Dion Irish**, Housing Commissioner, City of Boston  
**Warren Ortland**, JD, Staff Attorney, Tobacco Law Center, William Mitchell College of Law

# Session Descriptions

## Developing Enforcement and Regulatory Strategies

### Innovative Code Approaches— Pest, Mold and Green

Tuesday, 4:00 PM–5:30 PM

**Moderator:**

**Tara Jordan Radosevich**, HUD’s Office of Healthy Homes and Lead Hazard Control

The causes of mold and pests are often rooted in housing code violations such as water damage, poor sealing of holes, and housekeeping. But translating these violations into effective action is difficult. This session will feature case studies from communities that are doing it and ideas for additional approaches to achieve healthy housing.

**Presenter:**

**Tom Neltner**, JD, CHMM, Director of Training and Education, National Center for Healthy Housing  
**Ellen Tohn**, Tohn Environmental Strategies, LLC

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### Leveraging Action Under Existing Laws and Codes

Tuesday, 4:00 PM–5:30 PM

**Moderator:**

**Sue Gunderson**, Executive Director, CLEARCorps USA

Laws on the books do little if they are not enforced. This session will highlight innovative efforts to leverage and enforce the existing lead laws and housing codes, especially the federal lead laws. This session will provide creative examples for communities to leverage existing laws and feature a new Benchbook to educate judges and prosecutors on laws that impact lead poisoning.

**Presenters:**

**Wes Priem**, Michigan Department of Community Health  
**Lee Wasserman**, President, LEW Corporation  
**Stephanie Brown**, US EPA/National Center for Healthy Housing

### Baltimore and Maryland Enforcement Effort

Wednesday, 9:00 AM–10:30 AM

**Moderator:**

**Barbara Kelley**, Director for Community Affairs, CLEARCorps USA

Baltimore and Maryland have among the most comprehensive set of lead-based paint laws in the country. This session will provide an overview of these laws and how they work in combination to protect children from lead poisoning.

**Presenters:**

**G. Wesley Stewart**, Esq., Program Services Director, Coalition to End Childhood Lead Poisoning  
**Madeleine Shea**, DrPH, Deputy Commissioner for Healthy Homes, Baltimore City Health Department  
**Andrea Baker**, JD, Assistant Attorney General, Maryland Department of the Environment

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### Special Laws— Carbon Monoxide and Radon

Wednesday, 9:00 AM–10:30 AM

**Moderator:**

**Alan Johanns**, Asbestos & Lead Program Manager, City of San Diego

States have begun to adopt special laws to address specific hazards. More than 12 states and many communities now require carbon monoxide alarms. Minnesota now requires radon resistant new construction in homes. This session will highlight these efforts and describe the forces and processes that resulted in the laws.

**Presenters:**

**Sarah Norman**, MPP, Baltimore City Health Department  
**Dale Dorschner**, Supervisor, Indoor Air Unit, Minnesota Department of Health



# Marketing Healthy Housing

## Creating and Sustaining the Energy Star Outreach Program

Monday, 1:30 PM–3:15 PM

**Moderator:**

**Amy Murphy**, MPH, Senior Program Manager, Healthy Housing Solutions, Inc.

ENERGY STAR for Homes is a very successful consumer label for truly energy efficient homes. Even during the soft real estate market, the program has experienced a ten-fold increase in builder partners joining each month and is approaching a million labeled homes. The goal of this session is to learn how ENERGY STAR along with a new complementary EPA label, Indoor Air Plus, offer important opportunities to promote affordable, healthy housing.

**Presenters:**

**Sam Rashkin**, RA, National Director ENERGY STAR Program, US Environmental Protection Agency  
**Brian Ng**, MBA, Affordable Homes Coordinator, ENERGY STAR Program, US Environmental Protection Agency  
**Eric Werling**, MS, MBA, Indoor Air Plus Program Coordinator, US Environmental Protection Agency

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## Healthy Homes and Healthy People: A Health Behavior Change Perspective

Monday, 1:30 PM–3:15 PM

**Moderator:**

**Madeleine Shea**, PhD, Assistant Commissioner for Healthy Homes, Baltimore City Health Department

A critical component in preventing diseases and injuries related to health hazards and housing deficiencies is creating consumers who recognize health hazards and are ready and aggressive in adopting protective behaviors to assure healthy housing.

The goal of this session is to enhance the appreciation of the challenge of behavior change and describe specific approaches to interacting with Healthy Homes clients that will increase the probability that they will consider adopting protective health behavior.

**Presenters:**

**Carlo C. DiClemente**, PhD, Lipitz Professor of Arts, Humanities, & Social Sciences, Department of Psychology, University of Maryland, Baltimore County  
**Joan Mogul Garrity**, Garrity Health Consulting and Training

## Marketing Health Messages to Non-English Speakers

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**LaVeda Bacetti**, Director, Latino Health Programs/Division Administrator, Baltimore City Health Department

This panel discussion will highlight strategies to effectively communicate health protection messages to various non-English speaking populations. The goal of this session is to present several communication approaches that can be adapted to target healthy homes messages to non-English speaking populations.

**Presenters:**

**Nelson A. Ortega**, BS, MBA, Executive Director, Centro de la Comunidad, Inc.  
**Jeanine Arrighi**, Director, Lead Safe St. Louis  
**Liseth Romero-Martínez**, RPC II, Program Manager, Lead Hazard Remediation Program

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## Marketing Healthy Homes to the Media

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Donna Hamilton**, WBAL TV

This panel discussion will address successful approaches for getting the media to promote healthy housing messages. The goal of this session is to educate healthy housing practitioners about how to get their information to the media to promote healthy homes activities.

**Presenters:**

**Elizabeth Cohen**, CNN (invited)  
**Greg Toppo**, USA Today  
**Susan Koeppen**, CBS (invited)  
**Diane Debrovner**, Health and Psychology Editor, Parents Magazine

# Session Descriptions

## Marketing Healthy Housing

### Advancing Healthy Housing Through Policy

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**David Ormandy**, Professor and Principal Research Fellow, School of Law, University of Warwick

This session will highlight Britain's use of research to inform and change policies to advance healthy homes practices, lessons learned from the US lead hazard reduction legislation and policies that may be applicable to healthy homes programs, and the need to establish global healthy housing standards. This session's goals are to inform healthy homes program staff how policies can advance healthy housing and how to promote healthy homes to policymakers.

**Presenters:**

**David E. Jacobs**, PhD, CIH, Director of Research, National Center for Healthy Housing

**Doug Farquhar**, JD, Program Director for Environmental Health, National Conference of State Legislatures

**David Ormandy**, Professor and Principal Research Fellow, School of Law, University of Warwick

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### Bringing Health Home: CDC's Approach

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**Pam Meyer**, PhD, Healthy Homes Goal Team Lead, CDC Coordinating Center for Environmental Health and Injury

This panel describes CDC's National Center for Health Marketing, which was established to protect and promote the public's health through collaborative and innovative health marketing programs, products, and services. Two key areas will be highlighted: developing partnerships that advance CDC's health protection goals and the research and practice of health and risk communication and health marketing. The session's goal is to illustrate how this approach promotes CDC's Healthy Homes strategy.

**Presenters:**

**Fred Fridinger**, DrPH, CHES, Acting Chief, Marketing & Communication Strategy Branch, Division of Health Communication & Marketing, National Center for Health Marketing Coordinating Center for Health Information and Service, Centers for Disease Control and Prevention

**Julia Smith-Easley**, MPH, CHES, Corporate Partnerships Coordinator, Division of Partnerships and Strategic Alliances, National Center for Health Marketing Coordinating Center for Health Information and Service, Centers for Disease Control and Prevention

### Setting a National Policy Agenda for Healthy Housing

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**Ruth Ann Norton**, BA, Coalition to End Childhood Lead Poisoning

The Healthy Homes movement is building momentum through government and non-profit leadership. Proposed healthy homes legislation will be discussed. The presentation will also include a preview of an upcoming policy summit to develop an action agenda for moving healthy homes forward at all levels of government. The goal of this session is to inspire participants to join the movement for safe and healthy housing within the United States.

**Presenters:**

**Rebecca Morley**, MSPP, Executive Director, National Center for Healthy Housing

**Patrick MacRoy**, MA, Executive Director, Alliance for Healthy Homes

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### Leveraging Foundation Funding to Enhance Healthy Homes Programs

Tuesday, 2:00 PM–3:45 PM

**Moderator:**

**Ruth Ann Norton**, BA, Coalition to End Childhood Lead Poisoning

This panel discussion will feature tips about how to successfully market your Healthy Homes program to national philanthropic organizations, family foundations and local community foundations. The goal is to learn how to leverage funding and to identify other assets and technical resources that these organizations can offer to support healthy housing programs.

**Presenters:**

**James W. Marks**, Robert Wood Johnson Foundation, Senior Vice President, Director, Health Group (Invited)

**Scot Spencer**, Manager of Baltimore Relations

**Cheryl Casciani**, Director of Community Investment, Baltimore Community Foundation

**Karen Kreisberg**, The Zanyvl and Isabelle Kreiger Fund



## Motivating Behavior Change at Home: EPA Public Service Advertising Campaigns

Tuesday, 2:00 PM–3:45 PM

### **Moderator:**

**Rick White**, Director, Center for Cross-Program Outreach, Indoor Environments Division, US Environmental Protection Agency

This session will highlight EPA's public service campaigns designed to reduce risks from radon, secondhand smoke, and asthma triggers in the home. These campaigns are an integral component of EPA's non-regulatory programs that focus on healthy indoor environments. Goals for this session include a discussion of changing health behaviors through public service advertising, the provision of examples of state and local application of these campaigns, and a description of research findings that document campaign outcomes.

### **Presenters:**

**David Rowson**, MSc, Director, Center for Asthma and School, Indoor Environmental Division, US Environmental Protection Agency

**Kristy Miller**, MA, Communications Officer, Indoor Environments Division, US Environmental Protection Agency

**Elizabeth Bayne**, MPH, ASPH Environmental Health Fellow, Office of Research and Development, US Environmental Protection Agency

## Innovative Financing Strategies to Enhance Healthy Homes Programs

Tuesday, 4:00 PM–5:30 PM

### **Moderator:**

**Paul Diegelman**, HUD's Office of Healthy Homes and Lead Hazard Control

As we seek to mainstream healthy housing and promote protective practices and policies, we must identify new mechanisms for leveraging the resources needed to address hazards in housing. The goal of this session is to provide an overview of innovative private market and governmental financing strategies to support health hazard remediation in housing. Financing of radon mitigation, underutilized incentive programs and the New Market Tax Credit will be discussed.

### **Presenters:**

**Jane Malone**, Housing Policy Director, Alliance for Healthy Homes

**Donna Ducharme**, Co-Director, Delta Institute

## Using Social Marketing to Create Healthy Housing: A Seven Step Approach

Tuesday, 4:00 PM–5:30 PM

### **Moderator:**

**Karin Mack**, PhD, National Center for Injury Control and Prevention, CDC

This presentation will examine how to change and improve communities by creating new social norms and enhancing expectations for healthy housing. What is Social Marketing? How can it be used to improve home environments? What research exists to support the use of social marketing? The goal of the session is to raise the awareness and practice of social marketing to empower families to demand and create healthier and safer homes.

### **Presenter:**

**Kristy Miller**, MA, Communications Officer, Indoor Environments Division, US Environmental Protection Agency

## Assuring Healthy Housing for the Senior Population

Wednesday, 9:00 AM–10:30 AM

### **Moderator:**

**Marla Oros**, RN, MS, President, The Mosaic Group

The senior population is growing. Healthy housing for this population may not only benefit the elderly population directly but can also provide collateral benefit to children who reside or spend time in these home environments. The goal of this panel presentation is to raise awareness of strategies for reaching seniors through integrated housing and behavioral interventions.

### **Presenters:**

**Stuart Greenberg**, MS, Executive Director, Environmental Health Watch

**Karin Mack**, PhD, National Center for Injury Control and Prevention, CDC

**Teresa Ann Keenan**, MA, PhD, Research Team Leader-Health, AARP

# Session Descriptions

## Marketing Healthy Housing

### Promoting Healthy Homes: The Grassroots Approach

Wednesday, 9:00 AM–10:30 AM

**Moderator:**

**Xanthi M. Scrimgeour**, MHEd, CHES, Director of Public Health, City of Northampton, Massachusetts

This panel will address how community-based agencies have developed and sustained holistic and integrated healthy homes programs. Outreach strategies, involvement of those most affected by hazards in substandard housing, and the leveraging of resources will be highlighted. The goal of this session is to share the strategies used by grassroots organizations to implement and advance their vision for healthy housing.

**Presenters:**

**Karla Johnson**, MPH, Acting Administrator, Lead Safe and Healthy Homes Department, Marion County Indiana

**Mary Sliney**, Executive Director, MS, The Way Home, Inc., Manchester New Hampshire

**Alain Oliver**, Director and Program Manager, De-Lead Delaware, Wilmington Delaware

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### Return on Investment of Green Housing Standards

Wednesday, 9:00 AM–10:30 AM

**Moderator:**

**Peter Doo**, AIA, LEED AP, President, Doo Consulting

The impact of the home environment on health outcomes, especially for minority families and low-income communities is well documented. This presentation will address how green building programs offer an opportunity to improve public health and transform the housing market. The goal of this session is to compare green building and indoor air quality guidelines with healthy housing criteria, discuss the cost effectiveness, and showcase the Green Communities program developed for affordable housing.

**Presenters:**

**Jill Breyse**, CIH, Program Manager, National Center for Healthy Housing

**Jay Hall**, PhD, Jay Hall and Associates

**Dana Bourland**, MP, Senior Director, Green Communities, Enterprise Community Partners

### TRANSITIONING TO HEALTHY HOUSING: ISSUES FOR CDC-FUNDED PROGRAMS

Open Meeting—4:30 PM Monday  
Calloway Room A/B

**Mary Jean Brown**, ScD, RN, Chief—CDC Lead Poisoning Prevention Program

This meeting will offer an informal opportunity for lead poisoning prevention program staff and others to have an open dialogue about transitioning to healthy housing. Participants will discuss potential challenges and propose solutions. The goal is to share ideas for enhancing lead program work to include other healthy housing interventions.



# Creating Healthy Housing Through Research

## Incorporating Community-Based Participatory Research (CBPR) into Housing Research

Monday, 1:30 PM–3:15 PM

**Moderator:**

**Carol Payne**, MSN, Operations Specialist, HUD Baltimore Field Office

This session will present examples of successful collaborations among government, academia, and the community in housing-based research. Examples include environmental housing research in Baltimore, allergen interventions in NYC, and efforts to change housing policy at the local, state, and federal levels. The presenters will discuss barriers to community-based participatory research collaborations and strategies to overcome them. The goal is to engage the audience and gather input on how to strengthen these collaborations.

**Presenters:**

**Ginger L. Chew**, ScD, Epidemiologist, Lead Poisoning Prevention Program, Centers for Disease Control and Prevention

**Elizabeth Matsui**, MD, MHS, Associate Professor of Pediatrics and Epidemiology, Division of Pediatric Allergy and Immunology, Johns Hopkins Hospital

**Ogonnaya Dotson-Newman**, MPH, Environmental Health and Community-Based Research Coordinator, WE ACT for Environmental Justice

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## Indoor Air Quality: Research Findings and Priorities

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Marion Lunn**, MPA, Environmental Policy Specialist/Presidential Management Fellow, HUD's Office of Healthy Homes and Lead Hazard Control

This session will examine indoor air quality (IAQ) research priorities. The session will include findings from studies examining the effect of unvented fireplaces on IAQ, how radon control systems can also reduce household moisture levels, and how to approach energy efficiency strategies with IAQ and moisture in mind. Presenters will discuss residential ventilation/IAQ priorities. The goal is to familiarize participants with recent IAQ research and discuss research needs in this area.

**Presenters:**

**Jeff Gordon**, BA, Research Specialist, Building Research Council, University of Illinois at Urbana-Champaign  
**Brad Turk**, BA, President, Environmental Building Sciences, Inc.

**Steven Emmerich**, MS, Engineer, Indoor Air Quality and Ventilation Group, NIST—Building and Fire Research Laboratory

**James Lyons**, PE, Senior Engineer, Newport Partners LLC

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## Local and National Surveillance and Risk Modeling for Lead and Healthy Homes

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Warren Friedman**, PhD, CIH, Senior Advisor to the Director, HUD's Office of Healthy Homes and Lead Hazard Control

This session will present methods for targeting geographical areas of risk for childhood lead poisoning at the local, national, and global levels. Presenters will discuss a multi-state predictive statistical model; a local level analysis of blood lead levels, soil lead content, and surveillance challenges in post-Katrina New Orleans; and research on lead risks associated with imported toys. The session will close with CDC's exploratory efforts at surveillance for broader healthy homes risks.

**Presenters:**

**Warren Strauss**, ScM, Research Leader, Battelle—Centers for Public Health Research and Evaluation

**Christi La Mark**, MPH, Program Manager, New Orleans Childhood Lead Poisoning Prevention Program

**Scott Clark**, PhD, MS, CIH, Professor, Department of Environmental Health, University of Cincinnati

**David Homa**, PhD, MPH, Epidemiologist, Lead Poisoning Prevention Program, Centers for Disease Control and Prevention

# Session Descriptions

## Creating Healthy Housing Through Research

### Research on Pesticide Exposure and IPM Effectiveness in Low Income Housing

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Melissa Fiffer**, MEM, Environmental Policy Specialist/  
Presidential Management Fellow, HUD's Office of Healthy  
Homes and Lead Hazard Control

This session will report on findings from studies examining the impact of pest control in low income housing. Participants will gain a better understanding of the results of pesticide sampling in the house dust of urban and rural homes and the effectiveness of integrated pest management (IPM) on low-income public and private housing, including evidence of reduced pesticide exposure to residents. Participants will also learn about the implications of NIEHS-sponsored IPM research.

**Presenters:**

**Gary Adamkiewicz**, PhD, Research Associate, Harvard School of Public Health

**Changlu Wang, PhD**, Research Assistant Professor, Perdue University

**Dana Barr**, PhD, Lead Research Chemist, Centers for Disease Control and Prevention

**Michelle Sever**, MSPH, Clinical Research Coordinator,  
Laboratory of Respiratory Biology, National Institute of Environmental Health Sciences

### Asthma-Targeted Interventions: Results from the Field and Literature Review

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**Peter Ashley**, DrPH, Director, Policy and Standards Division,  
HUD's Office of Healthy Homes and Lead Hazard Control

This session will provide the results from studies assessing interventions targeted for homes of asthmatic children. The session will include an overview based on a CDC Community Guide evidence review of asthma home visits. Presentations will focus on comprehensive healthy homes intervention programs in Seattle and New Orleans and a mold and moisture remediation program in Cleveland. Participants will understand the evidence behind in-home interventions to reduce asthma morbidity.

**Presenters:**

**Deidre Crocker**, MD, Medical Epidemiologist, Air Pollution and Respiratory Health Branch, Centers for Disease Control and Prevention

**James Krieger**, MD, MPH, Chief of the Epidemiology, Planning & Evaluation Unit, Public Health—Seattle & King County

**Felicia Rabito**, PhD, MPH, Associate Professor, Tulane School of Public Health and Tropical Medicine

**Dorr Dearborn**, PhD, MD, Director of The Swetland Center for Environmental Health, Case Western Reserve University

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### Research Findings and Needs: Is Green Housing Healthy?

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**Melissa Fiffer**, MEM, Environmental Policy Specialist/Presidential Management Fellow, HUD's Office of Healthy Homes and Lead Hazard Control

The session will address the question: is green housing really healthy? Preliminary findings from two studies of green construction and health will be presented, including environmental sampling results. These presentations will be followed by a panel discussion on research priorities. Participants will become familiar with preliminary results from research on green housing and the additional research that is needed to better understand the potential health benefits of green housing.

**Presenters:**

**Joyce Witt**, MPH, RN, Health Scientist, Centers for Disease Control and Prevention

**Jill Breysse**, MHS, CIH, Program Manager, National Center for Healthy Housing

**Panel:**

**Mary Jean Brown**, ScD, RN, Chief, Lead Poisoning Prevention Program, Centers for Disease Control and Prevention

**Clifford Mitchell**, MD, MPH, Director of Environmental Health Coordination and Preventive Medicine/Public Health Residency Programs, Maryland Department of Health and Mental Hygiene

**TBD**, Indoor Environments Division, US Environmental Protection Agency



## Moisture and Respiratory Health: A Combined Analysis of the Research and a Survey of Moisture/Mold Remediation Professionals

Tuesday, 2:00 PM–3:45 PM

### **Moderator:**

**Laureen Burton**, Toxicologist, Indoor Environments Division,  
US Environmental Protection Agency

This session will report on an EPA-sponsored meta-analysis of the effects of home dampness on respiratory health. The study documented a significant association between damp or moldy homes and adverse health outcomes. Results of a survey of practices used by mold remediation professionals will also be presented. Attendees will gain an understanding of the effects of excess moisture on respiratory health and current practices and opinions of mold remediation professionals.

### **Presenters:**

**William Fisk**, MS, Staff Scientist/Department Head, Indoor  
Environment Department, Lawrence Berkeley National  
Laboratory

**Anu Dixit**, PhD, MPH, Assistant Professor of Community  
Health, Saint Louis University School of Public Health

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## Lead from Exterior Sources and Advances in Field Testing

Tuesday, 2:00 PM–3:45 PM

### **Moderator:**

**Robert Weisberg**, PhD, JD, Environmental Scientist, HUD's  
Office of Healthy Homes and Lead Hazard Control

This session will present findings from two areas of lead research: exterior lead exposure and advances in field testing methodology. Presenters will discuss research on soil-lead hazards in New Orleans and lead from demolition in Chicago and Baltimore. Research on the use of colorimetric tests for lead in paint and dust will also be presented. The goals are to alert program staff of the potential hazards from exterior lead sources and to preview potential cost saving field test methods.

### **Presenters:**

**Howard Mielke**, PhD, Research Professor, Tulane/Xavier  
Center for Bioenvironmental Research

**David Jacobs**, PhD, MS, CIH, Director of Research, National  
Center for Healthy Housing

**Salvatore Cali**, MPH, CIH, Senior Industrial Hygienist,  
University of Illinois at Chicago, School of Public Health

**William Menrath**, MS, Department of Environmental Health,  
University of Cincinnati

**Yi Lu**, PhD, Professor, University of Illinois at Urbana-  
Champaign

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## Results of Home Hazard Assessments in Diverse Urban Communities and Improving Asthma Hazard Assessment

Tuesday, 2:00 PM–3:45 PM

### **Moderator:**

**Jana Refowitz**, MBA, MBA Fellow, HUD's Office of Healthy  
Homes and Lead Hazard Control

This session will present findings from home assessments in New Orleans and Baltimore, including analyses of contaminants in air and dust. Associations between analytes and asthma symptoms will also be discussed for Baltimore. Findings from a pooled analysis of environmental data from asthma studies in seven cities will be presented. Participants will improve their understanding of residential contaminant patterns in diverse urban locations and of factors that are predictive of elevated allergen burdens.

### **Presenters:**

**Jonathan Wilson**, MPP, Deputy Director, National Center for  
Healthy Housing

**Patrick Breyse**, PhD, MHS, Director, Division of  
Environmental Health Engineering, Director, Industrial  
Hygiene Program, Johns Hopkins Bloomberg School of  
Public Health

**Felicia Rabito**, PhD, MPH, Associate Professor, Tulane School  
of Public Health and Tropical Medicine

# Session Descriptions

## Creating Healthy Housing Through Research

### Translating Healthy Housing Research into Practice: Lessons Learned From a Boston-based IPM and Asthma Research and Demonstration Project in Public Housing

Tuesday, 2:00 PM–3:45 PM

**Moderator:**

**H. Pat Hynes**, MS, Professor of Environmental Health  
Boston University

The session will report on the Healthy Public Housing Initiative (HPHI), a multi-year intervention project designed to improve the health of Boston public housing residents, especially children with asthma. This project successfully improved environmental conditions and health, and empowered residents through training and employment. This project has led to changes in housing authority practices. The goal is to offer guidance on effective assessment, intervention and partnership strategies.

**Presenters:**

**Gary Adamkiewicz**, PhD, Research Associate, Harvard School of Public Health

**Rhona Julien**, ScD, Asthma Coordinator, US Environmental Protection Agency - Region 1, New England

**Kristen Welker-Hood**, ScD, RN, Director, Environment and Health Programs, Physicians for Social Responsibility

**Margaret Reid**, RN, Director of Asthma and Diabetes Programs, Boston Public Health Commission

### Asthma-Friendly Construction and Rehab Practices in Low-Income Housing

Tuesday, 4:00 PM–5:30 PM

**Moderator:**

**Suzanne Gaynor**, DrPH, Environmental Public Health Specialist,  
HUD's Office of Healthy Homes and Lead Hazard Control

This session will provide the latest evidence on the effectiveness of in-home interventions to reduce asthma morbidity among low-income households. Presenters will describe two home intervention strategies in existing housing (a community health worker educational intervention and more intensive interventions focusing on pest and moisture control) and new “breathe easy” green construction. Participants will understand the evidence behind in-home interventions, and strategies for new construction, to improve indoor environmental quality and reduce asthma morbidity.

**Presenters:**

**Denise Tung Sharify**, Community Health Program Manager,  
Neighborhood House

**James Krieger**, MD, MPH, Chief of the Epidemiology, Planning & Evaluation Unit, Public Health—Seattle & King County

**Megan Sandel**, MD, MPH, Assistant Professor of Pediatrics,  
Co-Director, Center for Healthy Homes and Neighborhoods,  
Boston University School of Medicine/Boston Medical Center

### SPECIAL DISCUSSION GROUP HUD'S DRAFT HEALTHY HOMES STRATEGIC PLAN

Tuesday, September 16, 1:00 PM–1:50 PM  
Key Room 12

For nearly ten years, HUD's Office of Healthy Homes and Lead Hazard Control has funded the leading comprehensive Federal Healthy Homes grant program, sponsored key research, and forged valuable partnerships to advance healthy homes policy and programs. To prepare for new opportunities and challenges, the Healthy Homes program is in the process of updating its strategic plan. During this brown bag session, participants will hear about the program's proposed strategies, and discuss the program's future directions.

To attend this session, please RSVP to [Melissa.R.Fiffer@hud.gov](mailto:Melissa.R.Fiffer@hud.gov) by Friday, September 5.



## Mold/Moisture Assessment Research

Tuesday, 4:00 PM–5:30 PM

### **Moderator:**

**Peter Ashley**, DrPH, Director, Policy and Standards Division, HUD's Office of Healthy Homes and Lead Hazard Control

This session will provide information on methods for the assessment of mold and other microbiological contaminants. All methods were field tested and two studies included remediation and an examination of health endpoints. Participants will gain an understanding of alternative methods for testing mold and associated microbial products and how improved assessments can be used to document improvements in health outcomes following remediation.

### **Presenters:**

**Steven Vesper**, PhD, Research Biologist, US Environmental Protection Agency

**Sergey Grinshpun**, PhD, Professor of Environmental Health, University of Cincinnati

**Tina Reponen**, PhD, Professor of Environmental Health, University of Cincinnati

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## Should the Lead Dust Standards Be Lowered?

Tuesday, 4:00 PM–5:30 PM

### **Moderator:**

**Jonathan Wilson**, MPP, Deputy Director, National Center for Healthy Housing

This session will consider recent research examining: 1) the association between dust lead and blood lead; and 2) the feasibility of reducing and maintaining dust lead loadings below the current Federal dust lead standards. The presenters will discuss the historical origin of the current standards (with a focus on floor-dust) and whether the research suggests they should be lowered. The goal is to encourage a dialogue about the policy implications of the research.

### **Presenters:**

**Peter Ashley**, DrPH, Director, Policy and Standards Division, HUD's Office of Healthy Homes and Lead Hazard Control

**Sherry Dixon**, PhD, Biostatistician, National Center for Healthy Housing

**David Jacobs**, PhD, MS, CIH, Director of Research, National Center for Healthy Housing

## Evidence Based Healthy Homes Interventions: Results from the CDC Expert Panel Meeting

Wednesday, 9:00 AM–10:30 AM

### **Moderator:**

**Rebecca Morley**, MSPP, Executive Director, National Center for Healthy Housing

This session will describe results of an expert panel convened by the CDC to review the evidence base for healthy homes interventions including: 1) the strength of the evidence between housing and health effects by category (e.g., interior biological agents, interior chemical agents, and structural deficiencies); 2) interventions that have sufficient evidence to move toward implementation; and 3) gaps in existing research and priorities for additional intervention research.

### **Presenters:**

**James Krieger**, MD, MPH, Chief of the Epidemiology, Planning & Evaluation Unit, Public Health—Seattle & King County

**David Ormandy**, Principal Research Fellow, School of Law, University of Warwick, WHO Collaborating Centre for Housing Standards and Health

**Megan Sandel**, MD, MPH, Assistant Professor of Pediatrics, Co-Director, Center for Healthy Homes and Neighborhoods, Boston University School of Medicine/Boston Medical Center

**Edmund Shenassa**, ScD, Associate Professor, Director, Maternal and Child Health Program, University of Maryland

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## Findings from the American Healthy Homes Survey (AHHS)

Wednesday, 9:00 AM–10:30 AM

### **Moderator:**

**Eugene Pinzer**, MS, CIH, Environmental Scientist, US HUD's Office of Healthy Homes and Lead Hazard Control

This session will present the findings from the American Healthy Homes Survey, a nationally representative survey of environmental conditions in US housing completed by HUD and EPA in 2006. The presentations will include reports on the levels of lead and lead hazards, allergens, pesticide residues and mold. Mold data are based on PCR analysis (i.e., DNA-based) of settled dust. The goal is to gain an understanding of the prevalence of common contaminants in US homes.

### **Presenters:**

**David Cox**, PhD, President, QuanTech, Inc.

**Karen Bradham**, PhD, MS, Research Physical Scientist, US Environmental Protection Agency

**Steven Vesper**, PhD, Research Biologist, US Environmental Protection Agency

# Session Descriptions

## Mainstreaming Healthy Housing Principles

### Healthy Homes Principles (I): A Primer on the Steps to Creating a Healthy Home In New Construction

Monday, 1:30 PM–3:15 PM

**Moderator:**

**Martin Nee**, Environmental Policy Specialist, HUD's Office of Healthy Homes and Lead Hazard Control

This Session will introduce the Seven Principles of Healthy Housing. A Healthy Home is:

- Clean
- Pest Free
- Toxic Chemical Free
- Well-Ventilated
- Dry
- Combustion Product Free
- Comfortable

Participants will learn how building performance is impacted by construction techniques, materials, maintenance practices and environmental interactions in new construction projects. Attendees will acquire the basic concepts, practices and terminologies commonly used in healthy homes programs.

**Presenter:**

**Ellen Tohn**, MCP, Tohn Environmental Strategies, LLC

### Healthy Homes Principles (II) A Primer on the Steps to Creating a Healthy Home In Rehabilitation Projects

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Joseph Laquatra**, PhD, Hazel E. Reed Human Ecology Extension Professor in Family Policy Cornell University

From demolition to materials selection, the incorporation of Healthy Homes principles into the rehabilitation of existing housing is important for families and communities. This session will cover Healthy Homes issues in rehabilitation, such as:

- Exposure to lead, asbestos, dust, and biological debris during demolition;
- Safe work practices;
- Occupant protection;
- Carbon monoxide hazards through HVAC system upgrade or replacement;
- Mold growth through water management construction details

**Presenters:**

**Shirley Niemeyer**, PhD, Professor, Extension Housing Specialist, University of Nebraska

**Kenneth Hellevang**, PhD, Professor, Extension Engineer, North Dakota State University

### Healthy Homes Strategic Planning at the State and Local Level

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Kim Vermeer**, MCRP, LEED-AP, Principal, Habitat Initiatives

This session will highlight healthy homes strategic planning projects in Maine, Michigan and Baltimore, MD. Attendees will learn about the goals of each effort, key steps undertaken and the strategic choices selected for further actions. Healthy homes innovations from each project will also be highlighted. These examples will provide useful practical advice to lead hazard control, housing and other programs embarking on similar healthy homes planning processes.

**Presenters:**

**Naomi Mermin**, Director, Lead Poisoning Prevention Fund, State of Maine

**Madeleine Shea**, PhD, Assistant Commissioner for Healthy Homes, Baltimore City

**Wes Priem**, Healthy Homes Section Manager, Department of Community Health, State of Michigan

### High Performance Housing: Private Sector Approaches

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Emily Williams**, MS, Director, Regional Management and Technical Support Division, HUD's Office of Healthy Homes and Lead Hazard Control

This session will review private sector improvements in health and energy efficiency associated with housing, including:

- The SystemVision program, created by Advanced Energy, that guarantees high performance affordable housing and provides training/technical support to ensure health, safety, durability, comfort and energy efficiency.



- A High Performance Home in New Hampshire, its performance and benefits of green mortgage banking and insurance products.
- Market-based decisions for improvements to home performance.

**Presenters:**

**Arnie Katz**, Director of Training, Senior Building Science Consultant, Advanced Energy  
**Charles L. Perry, Jr.**, Principal, Environmental Assurance Group, High Performance Building Innovation Center

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## Sorting Out the Indoor Air Quality Standards

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Paul Francisco**, PhD, Building Research Council, University of Illinois Urbana

The new ASHRAE Standard 62.2-2007, “Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings”, is one of the most important IAQ related documents in the healthy housing sector. Does your program know what types of systems are covered by the standard? What climates are exempt from whole house mechanical ventilation? Should ventilation be required in hot/humid climates? This session will answer these questions and discuss appropriate applications of the standard.

**Presenters:**

**Steven Emmerich**, Building Environment Division, National Institute Standards and Technology  
**Joseph Lstiburek**, PhD, PE, Building Science Corporation  
**Max Sherman**, PhD, Indoor Environment Department, Lawrence Berkeley National Laboratory

## Energy Star Indoor Air Plus

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**Eric Werling**, MS, MBA, Indoor Air Plus Program Coordinator, US Environmental Protection Agency

This session will present EPA’s new comprehensive set of indoor air quality features that can enhance Energy Star qualified homes. In this session, participants will learn details about construction specifications for the new Indoor Air Plus (IAP) label. Attendees will also learn about the IAQ risk reduction principles addressed in IAP and how to reduce builder business risks, including callback costs, complaints, and lost business due to competition.

**Presenter:**

**Eric Werling**, MS, MBA, Indoor Air Plus Program Coordinator, US Environmental Protection Agency

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## Integrated Pest Management in Public Housing—Challenges and Results

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**Gail Livingston**, BA, JD, Director of Operations and Property Management, Boston Housing Authority

For decades public housing authorities have unsuccessfully battled pests in their developments. Integrated Pest Management (IPM) is changing that dynamic for pest control. In this session the Boston Housing Authority will describe the benefits gained by bringing together local health partners, a qualified pest control company, residents and staff to commit to an agency-wide IPM plan. The Northeastern IPM Center will report on taking these lessons nationwide with the IPM in Public Housing Project.

**Presenters:**

**Allison Taisey**, BS, MAT, Project Coordinator, Northeastern IPM Center  
**John Kane**, BA, MPP, Planner, Boston Housing Authority  
**George McGrath**, BA, Assistant Director of Property Management, Boston Housing Authority

# Session Descriptions

## Mainstreaming Healthy Housing Principles

### **Parks & People: Public Housing Greening Initiative**

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**Leroy Ferguson**, Public and Indian Housing, US Department of Housing and Urban Development

In this session attendees will learn about ‘Greening’ through the partnership model with the Housing Authority of Baltimore and the Baltimore City Forestry Division. Parks & People has developed an innovative, dynamic, and successful partnership with the Housing Authority of Baltimore City (HABC) and public housing residents to plant trees and install gardens on public housing property to improve water and air quality. The session will also include guidance on replicating the program.

**Presenter:**

**Kari Smith**, Assistant Director, Community Greening Stewardship Program

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### **Investing in Best Practices for Asthma: A Business Case for Education and Environmental Interventions**

Tuesday, 2:00 PM–3:45 PM

**Moderator:**

**Polly Hoppin**, ScD, University of Massachusetts at Lowell

Emerging evidence shows that asthma patients’ health improves when medical care is supplemented by in-depth asthma education, home assessments and mitigation of home-based triggers. The literature on the financial implications of these interventions makes a compelling case—from a business standpoint—for investing in asthma education and environmental interventions. This session presents the business case for asthma education and environmental interventions and concludes that health payer organizations and policy makers should invest in these effective asthma management strategies.

**Presenters:**

**Polly Hoppin**, ScD, University of Massachusetts at Lowell  
**Courtney Wisinski**, Healthy Homes University, Department of Community Health, State of Michigan  
**Laurie Stillman**, MM, The Medical Foundation

### **Promoting Integrated Pest Management in Private Housing— Latest Developments in the Field**

Tuesday, 2:00 PM–3:45 PM

**Moderator:**

**Jane Malone**, Housing Policy Director, Alliance for Healthy Homes

Around the country different approaches have been developed to promote Integrated Pest Management in private housing stock. Programs have utilized multiple strategies including health code enforcement, resident education and partnering. This session will focus on the approaches used in three cities, Baltimore, Boston and Chicago. Attendees will improve their understanding of obstacles and opportunities to implementing an IPM strategy.

**Presenters:**

**Jane Malone**, Housing Policy Director, Alliance for Healthy Homes  
**Steve Pincuspy**, Senior Program Associate, Safer Pest Control Project in Chicago  
**Mike Boeck**, Maryland Pesticide Network, Community IPM Project of Baltimore

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### **Combustion Safety: What Your Program Needs to Know**

Tuesday, 4:00 PM–5:30 PM

**Moderator:**

**Michael McGreevy**, HUD’s Office of Healthy Homes and Lead Hazard Control

Malfunction and improper use of indoor combustion appliances are the most common causes of CO exposure and the risk of malfunctioning appliances is greatest in older homes. In addition, unintentional CO poisonings can also occur because of occupant behavior and/or lack of knowledge about potential sources of CO. This session will cover combustion gases in the home, the need for proper drafting and atmospheric vs. sealed combustion appliances.

**Presenters:**

**Paul Francisco**, PhD, University of Illinois, Urbana  
**Sarah Norman**, MPP, Baltimore City Health Department

## From the Ground Up: Technologies to Address Mold, Radon and Moisture in Housing

Tuesday, 4:00 PM–5:30 PM

**Moderator:**

**Karen Griego-West**, HUD's Office of Healthy Homes and Lead Hazard Control

Exposure to damp indoor environments and the mold and allergens that thrive in such environments has been associated with asthma development, exacerbation, wheeze and respiratory complications. This session will explore several different approaches to mold/moisture and radon control at the foundation and include the results of a Healthy Homes technical studies project. The session will also focus on multiple IAQ benefits from radon remediation and treatment of crawl spaces.

**Presenters:**

**Melissa Malkin-Weber**, JD, MPH, Advanced Energy, Inc.  
**Eugene Fisher**, Health Physicist, Office of Radon and Indoor Air, EPA  
**Brad Turk**, President, Environmental Building Sciences, Inc.

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## Is Green Building Housing Healthy?: What Green Really Means for Healthy

Tuesday, 4:00 PM–5:30 PM

**Moderator:**

**Eric Werling**, MS, MBA, Indoor Air Plus Program Coordinator, US Environmental Protection Agency

Green is hot! Every Green Building program claims health and improved Indoor Air Quality (IAQ) benefits but how healthy is a Green home? This session will examine the claims of Green Building programs and discuss the relative risks of IAQ threats, highlight the existing IAQ and green standards that impact occupant health, compare leading national green programs and explore ways to advise builders and homebuyers about building green, healthy homes.

**Presenters:**

**David Price**, Indoor Air Specialist, EPA, Committee Member, NAHB National Green Building Standard  
**Ted Toon**, Deputy Assistance Secretary, Office of Affordable Housing Preservation, US Department of Housing and Urban Development  
**Robin Specter**, JD, Senior Attorney, Federal Trade Commission

## Environmental Tobacco Smoke in Multifamily Housing

Wednesday, 9:00 AM–10:30 AM

**Moderator:**

**Jim Bergman**, JD, Director, Smoke-Free Environments Law Project of Michigan

This session will review the latest education and enforcement programs addressing Environmental Tobacco Smoke in multifamily buildings. Utilizing state initiatives from Michigan and Maine this session will explore:

- Health, safety and economic reasons for adopting smoke-free policies;
- Demographics of multi-unit housing and smoke free home policies;
- Legal, economic and marketing reasons that public, affordable and market rate multifamily operators are adopting smoke free policies.

**Presenters:**

**Jim Bergman**, JD, Director, Smoke-Free Environments Law Project of Michigan  
**Amy Olfene**, Project Coordinator, Smoke-Free Housing Coalition of Maine

# Session Descriptions

## Educating the Public and Practitioners

### USDA/Cooperative State Research, Education and Extension Service (CSREES) Outreach Initiatives

Monday, 1:30 PM–3:15 PM

**Moderator:**

**Sandy Wiggins**, EdD, Extension Specialist, Environmental Health and Housing, North Carolina Cooperative Extension at North Carolina State University

The USDA/Cooperative State Research, Education, and Extension Service is recognized nationally for its outreach education efforts to address housing-based health and safety risks. The goal of this session is to acquaint participants with healthy homes educational programs/courses, teaching tools and resources developed by Cooperative Extension University faculty. A network of Cooperative Extension educators partner with local/state/national agencies, health professionals, schools, and community groups to educate practitioners and the public.

**Presenters:**

**Laura B. Booth**, Healthy Homes Partnership, National Coordinator, Alabama Cooperative Extension System, Auburn University

**Sandy Wiggins**, EdD, Extension Specialist, Environmental Health and Housing, North Carolina Cooperative Extension, North Carolina State University

**Joseph Laquatra**, PhD, Extension Professor in Family Policy Cornell University

**Shirley Niemeyer**, PhD, Professor and Extension Specialist/Research, Housing and Environment, University of Nebraska-Lincoln

### Indoor Pollutants: Connecting with Audiences

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Laura Booth**, Healthy Homes Partnership, National Coordinator, Alabama Cooperative Extension System, Auburn University

Over the past twenty years educational outreach programs addressing indoor environmental pollutants have increased, contributing to nationwide impacts. This session will focus on two programming efforts: Cooperative Extension and Minnesota Department of Health. The goal of this session is to discuss effective innovative teaching strategies and tools used to educate practitioners, consumers and specific audiences about sources,

health risks, toxicity levels and control measures related to common indoor environmental pollutants.

**Presenters:**

**Joseph Ponessa**, PhD, Rutgers Cooperative Extension (Retired)

**Dale Dorschner**, BS, Environmental Health Supervisor, Minnesota Department of Health Indoor Air Program

### Lead Education and Outreach Related to EPA's Renovation, Repair and Painting (RRP) Rule

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Darlene Watford**, Environmental Scientist, National Program Chemicals Division, Office of Pollution Prevention and Toxics, US Environmental Protection Agency

This session will cover the Renovation, Repair, and Painting Rule and associated outreach and education activities. It will include a brief overview of the Rule, which will affect more than 100,000 contractors conducting renovation, repair, and painting for compensation for homes built before 1978 and child-occupied facilities. The goal of this session is to provide an overview of the planned outreach campaign, including the training curriculum for workers.

**Presenter:**

**Mike Wilson**, Environmental Specialist, US Environmental Protection Agency

### Putting Evaluation Into Practice

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Taran Jefferies**, ScM, Public Health Advisor, Lead Poisoning Prevention Program, Centers for Disease Control and Prevention, US Department of Health and Human Services

How do we know if our educational intervention is working? Is this outreach program reaching our target audience? Should we continue with these activities? Evaluation can answer these important questions. The goal of this session is to gain a better understanding of how to implement evaluation into your education and outreach programs.



**Presenters:**

**Sandy Roda**, BS, Analytical Laboratory Director, University of Cincinnati Hematology and Environmental Laboratories

**Joseph Kauffman**, BS, Program Manager of Inspections and Enforcement, Childhood Lead Poisoning Prevention Program, Philadelphia Department of Public Health

**Andrew Faciano**, MPH, Director of Special Projects, Lead Poisoning Prevention Program, New York City Department of Health and Mental Hygiene

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## Creating Healthier Homes for Healthier Children: An EPA Perspective

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**Paul Cestone**, Environmental Protection Specialist, National Program Chemicals Division, Office of Pollution Prevention and Toxics, US Environmental Protection Agency

This session will highlight EPA programs, tools and resources that are available to assist organizations to improve children's health in the home through education, training, and building community capacity. The goals are to identify unique environmental exposures for children; discuss how EPA addresses children's health at home through outreach and education, science and research, and regulatory action; and provide real-life examples of how EPA works with organizations to reduce environmental exposures in homes and improve children's health.

**Presenters:**

**Elizabeth Blackburn**, BSN, Team Leader for Community Affairs and Outreach, Child and Aging Health Protection Division, Office of Children's Health Protection and Environmental Education, US Environmental Protection Agency

**Alisa Smith**, PhD, Asthma Program Team Leader, Indoor Environments Division, US Environmental Protection Agency

**Maryann Suero**, PhD, Children's Health Program Manager, US Environmental Protection Agency Region 5

## Education Concepts to Promote Healthy Homes Issues

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**Nikki Walker**, MPH, Public Health Advisor, Lead Poisoning Prevention Program, Centers for Disease Control and Prevention, US Department of Health and Human Services

This session will highlight an innovative educational concept and program to increase the ability of people to have a better understanding of the relationship between their health and their environment. This understanding will enable participants to address health and environmental concerns of the home. The goal of this session is to introduce the ACE Concept and Master Home Environmentalist program so that aspects may be replicated in local jurisdictions.

**Presenters:**

**Michael Trush**, PhD, Deputy Director, Johns Hopkins Center in Urban Environmental Health

**Aileen Gagney**, MArch, MFA, Asthma and Environmental Health Program Manager, American Lung Association of Washington

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## Models for Community Education

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**Carol Kawecki**, MA, RN, Program Manager, National Center for Healthy Housing

Presenters will describe two models for outreach and education: Pediatric Environmental Health Specialty Units for health care and public health professionals and Cooperative Extension Services for trusted guidance for citizens, especially those in rural communities. The goal of this session is for participants to understand each of these education models and how they can effectively use them in their community.

**Presenters:**

**Jerome A. Paulson**, MD, FAAP, Associate Professor of Medicine, Pediatrics & Community Health, Mid-Atlantic Center for Children's Health & the Environment George Washington University

**Susan Aceti**, MSW, Project Manager, National Center for Healthy Housing

# Session Descriptions

## Educating the Public and Practitioners

### Healthy Homes Training and Credentialing

Tuesday, 2:00 PM–3:45 PM

**Moderator:**

**Susan Aceti**, MSW, Project Manager, National Center for Healthy Housing

As key training partners in the National Healthy Homes Training Center and Network, the presenters will describe the support offered by the Center and how they have leveraged this support to make homes healthier in their community. They will explain their different approaches to using the Healthy Homes Specialist Credential offered by the National Environmental Health Association and the National Center for Healthy Housing. The goal of the session is to have participants understand how they can more effectively use the resources provided by the Center and join the Network.

**Presenters:**

**Kevin Kennedy**, CIEC, Manager, Environmental Health Program, Allergy, Asthma, Immunology, Children's Mercy Hospitals and Clinics

**Nancy Crider**, MS, RN, CNAA, Program Manager, Texas Public Health Training Center, University of Texas School of Public Health

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### Primary Prevention Efforts in Healthy Housing

Tuesday, 2:00 PM–3:45 PM

**Moderator:**

**Larry Franklin**, MPH, Public Health Advisor, Lead Poisoning Prevention Program, Centers for Disease Control and Prevention, US Department of Health and Human Services

An effective approach to minimizing the affects of housing related health problems is conducting primary prevention activities among high-risk populations. The goal of this session is to highlight the lessons learned from two city health departments as they work to implement primary prevention activities within their respective organizations. Participants will gain valuable insights on how to implement a more comprehensive home visiting program into their existing organizational structure.

**Presenters:**

**Sarah Norman**, MPP, Director, Healthy Homes Division, Baltimore City Health Department

**Yma Andries**, MPH, Deputy Director of the Technical Standards and Policy Unit, Childhood Lead Poisoning Prevention Program, New York City Department of Health and Mental Hygiene

### Alternative Strategies for Community Outreach

Tuesday, 4:00 PM–5:30 PM

**Moderator:**

**Darlene Watford**, Environmental Scientist, National Program Chemicals Division, Office of Pollution Prevention, Pesticides and Toxic Substances, US Environmental Protection Agency

This session will cover outreach and education strategies on lead, pesticides and other environmental home health hazards. It will include information on a comprehensive outreach and multimedia campaign targeting a low-income community, a primer on pest and pesticide risks faced by urban residents, and an innovative, hands-on approach to teaching high-risk families about a variety of home hazards. The goal of this session is to provide new and effective tools and strategies for community education.

**Presenters:**

**Ruth Ann Norton**, Executive Director, Coalition to End Childhood Lead Poisoning

**Andrea Kidd Taylor**, PhD, MSPH, Professor, Morgan State University School of Public Health and Policy

**Dot Gulardo**, Program Manager, The Healthy Home

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### Educating Audiences to Promote Healthy Home Environments

Tuesday, 4:00 PM–5:30 PM

**Moderator:**

**Karen Gavin**, Public Health Advisor, Lead Poisoning Prevention Program, Centers for Disease Control and Prevention, US Department of Health and Human Services

Programs working to promote healthy homes often have to engage a variety of audiences. In this session, speakers will discuss strategies for: 1) educating and engaging physicians in-training, 2) creating a partnership to increase lead screening, and 3) working with judges, legal aid attorneys, and tenants to address healthy homes issues. The goal is to provide participants with examples of effective outreach methods to reach a wide variety of audiences.

**Presenters:**

**Dorr G. Dearborn**, PhD, MD, Mary Ann Swetland Professor and Chairman, Department of Environmental Health Sciences, Case Western Reserve University School of Medicine

**Peter R. Simon**, MD, MPH, Medical Director, Division of Community and Family Health and Equity, Rhode Island Department of Health

**Steve Fischbach**, JD, Community Lawyer, Rhode Island Legal Services

**Jeffrey Havlena**, MS, Surveillance Manager, Wisconsin Childhood Lead Poisoning Prevention Program Wisconsin Department of Health

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## Empowerment and Environmental Justice

Tuesday, 4:00 PM–5:30 PM

**Moderator:**

**Ralph Scott**, Community Projects Director, Alliance for Healthy Homes

Presenters will share innovative methods to help communities connect the environment to their health to promote healthy housing practices; describe grassroots efforts to address healthy housing issues in Grand Rapids; and discuss a Baltimore community organizing campaign. The goal of this session is to have participants learn ways to empower communities so that they have a better understanding of their health and environment.

**Presenters:**

**Leon C. Purnell**, BS, MEd, Chair, Environmental Justice Partnership, Inc.

**Lisa Oliver-King**, MPH, Executive Director, Our Kitchen Table

**Joe Cox**, Community Organizer, Baltimore ACORN

## Home Safety Education

Wednesday, 9:00 AM–10:30 AM

**Moderator:**

**Darlene Dinkins**, BA, Communication Specialist, Communication Services Branch, Office of Pesticide Programs US Environmental Protection Agency

This session will highlight innovative national education and outreach programs designed to prevent injuries in the home. The goals are to understand major injury hazards in the home; to learn about current education and outreach initiatives covering a range of home safety topics including fire safety, poison prevention, and falls prevention for older adults; and to become acquainted with resources and educational materials available for different target audiences.

**Presenters:**

**Brett Brenner**, BA, President, Electrical Safety Foundation International

**Angela Mickalide**, PhD, CHES, Director of Education and Outreach, Home Safety Council

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## Working with High-Risk Populations

Wednesday, 9:00 AM–10:30 AM

**Moderator:**

**Rose Glass-Pue**, MA, Public Health Advisor, Lead Poisoning Prevention Program, Centers for Disease Control and Prevention, US Department of Health and Human Services

Presenters will discuss how one state is working with its social services agency to protect foster children from hazards in the home; describe the process of creating a new government agency initiative to address a special population; and share a university-based project's successful techniques to reach high-risk populations. The goal of this session is to have participants learn new ways to educate high risk populations.

**Presenters:**

**M. L. Tanner**, BS, Environmental Health Manager, South Carolina Department of Health and Environmental Control

**Dawn Kieseewetter**, BS, Sanitarian Supervisor, Philadelphia Childhood Lead Poisoning Prevention Program

**David Turcotte**, ScD, Director, Technical Assistance & Research Center for Housing Sustainability, University of Massachusetts, Lowell

# Session Descriptions

## Building Capacity to Deliver Healthy Housing

### Establishing a Local Healthy Homes Program

Monday, 1:30 PM–3:15 PM

**Moderator:**

**Elizabeth Wilde**, BS, EPA, Atlanta, Lead-Based Paint Program

Are you considering developing a Healthy Homes Program? Are you struggling with how to transition your lead program into a successful healthy homes program? The goal of this session is to identify best practices and helpful tips to define “healthy homes,” train your staff, develop collaborations, define parameters for success, and create change in your community.

**Presenter:**

**Ruth Ann Norton**, Coalition to End Childhood Lead Poisoning

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### Establishing a State-wide Healthy Homes Program

Monday, 1:30 PM–3:15 PM

**Moderator:**

**David McCormick**, BS, Indiana CLPPP and Healthy Homes Program

This session will describe three stages of developing a statewide healthy housing movement in Rhode Island. The developing stages include internal restructuring at the RI Dept of Health, building a Healthy Housing Collaborative within state government, and engaging the community to act on healthy housing issues. The goal is to understand the different stages in building a statewide healthy housing movement and necessary steps for bringing each stage to fruition.

**Presenters:**

**Peter R. Simon**, MD, MPH, Rhode Island Dept of Health

**Magaly Angeloni**, MBA, Rhode Island Dept of Health

**Steve Fischbach**, JD, Rhode Island Legal Services

### Environmental Justice and Faith-Based Organizations

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**LaToria Whitehead**, MPH, CDC, Childhood Lead Poisoning Prevention Program

Despite significant improvements in health, disenfranchised populations continue to live in unhealthy physical environments. CDC has partnered with Environmental Justice and Faith-Based Organizations to demonstrate collaborations that address social health issues and environmental health disparities. Learn how Environmental Justice and Faith-Based organizations may increase the community’s level of education and awareness for childhood lead poisoning, build capacity to promote equity in housing and health, develop solutions for environmental issues, and understand the influence of faith on health.

**Presenters:**

**Mildred McClain**, PhD, MA, Citizens for Environmental Justice

**Forrest Staley**, MUP, MCPH, Georgia Childhood Lead Poisoning Prevention Program

**Chris Rustin**, MT, REHS, DrPH Candidate, Chatham County Health Department

**Vernell Cutter**, MEd, Citizens for Environmental Justice

**Rose Glass-Pue**, MA, CDC, Childhood Lead Poisoning Prevention Program

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### Healthy Housing Partnerships

Tuesday, 9:00 AM–10:45 AM

**Moderator:**

**Amy Roberts**, RN, BSN, Kansas City, MO, Health Department

Phoenix’s Neighborhood Services Department partnered with the Phoenix Children’s Hospital to address health and safety hazards in a comprehensive manner by including a case management plan and housing interventions by the City’s housing rehab programs. Westchester County’s primary initiative is to access residential units in high risk areas, present health education, conduct home safety inspections, distribute smoke and carbon monoxide detectors, and remediate lead hazards. The goal is to learn from the experience of these two successful programs.



**Presenters:**

**Yolanda Martinez**, CPM, Phoenix Neighborhood Services  
Dept

**Sherry Dixon**, PhD, National Center for Healthy Housing

**Sally Moffat**, RN, MSN, Phoenix Children's Hospital

**Rick Morrissey**, BA, MPA, Westchester County, NY, Dept of  
Health

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## Moving from Lead to Healthy Housing—Cuyahoga County's Experience

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**Terry Allan**, BS, MPH, Cuyahoga County, OH, Board of Health

Cuyahoga County, in conjunction with its many public and private partners, has a long history of addressing lead-based paint hazards. In recent years the County has branched out to tackle integrated pest management, aging issues, mold, moisture and more. Learn how one jurisdiction has approached a wide variety of healthy homes issues, the challenges it has faced, and how its experience can translate to other jurisdictions.

**Presenters:**

**John Sobolewski**, BS, Cuyahoga County Board of Health

**Stuart Greenberg**, MS, Environmental Health Watch

**Liz Hernandez**, BA, Cleveland Housing Network

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## A Framework for Healthy Homes Programs

Tuesday, 11:00 AM–12:30 PM

**Moderator:**

**G. Wesley Stewart**, Esq., Coalition to End Childhood Lead  
Poisoning

This session features three presentations on strategies to establish a healthy housing infrastructure. Each jurisdiction approached the subject differently, including use of an ecological model, with substantial community involvement, development of new partners, and fund raising. The goal is to gain new understanding of successful models for initiating healthy homes programs.

**Presenters:**

**Mark Fulop**, MA, MPH, Multnomah County, OR, Health Dept

**Dave Finet**, Opportunity Council, Bellingham, WA

**Ronald Kraatz**, MPA, Connecticut Children's Medical Center

## Innovative State Initiatives for Healthy Homes

Tuesday, 2:00 PM–3:45 PM

**Moderator:**

**Magaly Angeloni**, MBA, Rhode Island Department of Health

Learn what two states have done to develop innovative approaches to addressing healthy homes problems. Wisconsin has brought environmental, community and clinical health professionals together to identify and mitigate environmental risk factors in the home. Maine is leveraging the resources of a Lead Poisoning Prevention Fund with healthy housing and energy efficiency initiatives to develop a comprehensive approach to achieve healthy homes. Attendees will learn to leverage existing resources and increase capacity within their local communities.

**Presenters:**

**Brooke Thompson**, MPH, Wisconsin Department of Health  
and Family Services

**Naomi Mermin**, BS, MBA, Maine Lead Poisoning Prevention  
Fund

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## An Introduction to Building Green

Tuesday, 2:00 PM–3:45 PM

**Moderator:**

**Rebecca Morley**, MSPP, National Center for Healthy Housing

This session will feature new developments in building green. Presenters will discuss their organizations' activities and programs to address environmental, energy, durability, affordability, and occupant health concerns. The goal of the session is to increase knowledge about cutting edge building green programs.

**Presenters:**

**Jay Hall**, PhD, US Green Building Council

**Tom Deyo**, NeighborWorks America

**Trisha Miller**, JD, MCP, Enterprise Communities Partners

**Kevin Morrow**, National Association of Home Builders

# Session Descriptions

## Building Capacity to Deliver Healthy Housing

### Case Management and Relocation

Tuesday, 4:00 PM–5:30 PM

**Moderator:**

**Michele Borgialli**, MPH, MSW, Michigan Department of Community Health

This session will have two presentations. The first will describe how case management services are changing in Rhode Island. Case managers who visit homes initiated by an elevated blood lead level are now educating families about other health risks such as asthma, pest infestations, mold, carbon monoxide and smoke detectors. The second will present results from data collected from approximately 500 public housing residents prior to being relocated in the City of Atlanta. The discussion will include the hard-to-house and their special needs for housing. The goal is to learn gain an understanding of new approaches to addressing healthy housing.

**Presenters:**

**Daniela Quilliam**, MPH, REHS, Rhode Island Dept of Health  
**Erin Ruel**, PhD, Georgia State University

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### Home Safety Programs

Tuesday, 4:00 PM–5:30 PM

**Moderator:**

**Barry Brooks**, MPA, CDC, Lead Poisoning Prevention Branch

This session describes two programs that address unintentional falls and other safety factors in the home. Cuyahoga County administers a Senior Safety Program which provides funding to make structural modifications for the removal or installation of items noted as risk factors associated with falling. A consortium of Baltimore area foundations is providing grants to make home repairs, and coordinate health and social services for both homeowners and renters. The goal is to learn whether these successful innovative programs can be replicated in other communities.

**Presenters:**

**April Vince**, BA, MSSA, Cuyahoga County, OH, Board of Health  
**Cathy Brill**, MSW, Leonard & Helen R. Stulman Charitable Foundation  
**Beth Harber**, The Abell Foundation

### Promoting Integrated Pest Management in Affordable Housing Through Strategic Partnerships

Tuesday, 4:00 PM–5:30 PM

**Moderator:**

**Kathy Seikel**, BS, MBA, EPA, Office of Pesticide Programs

This session will present case studies of innovative strategic partnerships in city environments to address IPM implementation in affordable housing. The New York City Asthma Initiative funds indoor IPM intervention programs to control asthma triggers and to reduce the use of dangerous pesticides. Boston public health and public housing agencies work with community and university partners to integrate pest management as standard pest control practice in Boston Housing Authority properties. The Baltimore project focuses on altering systems, educating residents and facilities and instituting IPM treatments in 180 Baltimore Housing Authority units.

**Presenters:**

**Pat Hynes**, MPH, Boston University School of Public Health  
**Marta Hernandez**, MPH, New York City Department of Health and Mental Hygiene  
**Liz Kasameyer**, RN, Baltimore City Health Department

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### Health and Housing Collaborations

Wednesday, 9:00 AM–10:30 AM

**Moderator:**

**Gary Singer**, Mahoning Valley LEAP Grant Program

This session will feature successful programs in Alameda County, CA, and St. Joseph, MO, to introduce healthy housing initiatives to public housing and affordable housing. The session will include information on assessments, education, training, and development of collaboratives to build capacity. The goal is to learn new and creative approaches for addressing lead-based paint and other environmental problems in public housing and rehabilitation programs.

**Presenters:**

**Maricela Foster**, RN, PHN, MA, Alameda County, CA, Lead Poisoning Prevention Program  
**Gerald McCush**, Licensed Risk Assessor, City of St. Joseph, MO



## Integrating Lead into Housing Programs

Wednesday, 9:00 AM–10:30 AM

**Moderator:**

**Michael Jensen**, Housing, Community Works and Transit Department, Hennepin Co, MN

Representatives of the City of St. Louis will describe 3 programs it administers to eradicate childhood lead poisoning. They include a Healthy Home Repair Program, a Window Replacement Program, and a Multi-Family Remediation Program. A representative of Washington, DC, will describe the steps the City took to rapidly expand production of lead-safe housing units. The goal is to learn of successful approaches to controlling environmental hazards, especially lead-paint hazards.

**Presenters:**

**Bill Rataj**, BA, St. Louis Community Development Administration

**Jerry Wessels**, BA, St. Louis Building Division

**Robert Mulderig**, MBA, District of Columbia Government, Department of Housing & Community Development

## Lessons Learned from Hurricane Katrina: Building Contractor Capacity

Wednesday, 9:00 AM–10:30 AM

**Moderator:**

**Howard Mielke**, PhD, Tulane and Xavier Universities

Based on trainings and workshops delivered in New Orleans and the Mississippi Gulf Coast, this session will describe strategies developed for building long-term local capacity among communities and community contractors for restoring and maintaining flood-damaged homes in a safe and healthy manner. The session will include contractor capacity building, training methods for entry-level trades people, healthy homes protocols, and working safely in an occupied house. The goal is to identify unique skills and knowledge required for rebuilding and repairing flood-damaged homes.

**Presenters:**

**Ralph Scott**, Community Projects Director, Alliance for Healthy Homes

**Dennis Livingston**, BA, FMA, Community Resources

*Wednesday Morning Plenary Presentation, Holiday Ballroom Sections 4, 5, 6*

# A Town Hall Meeting: The Future of Healthy Homes

On Wednesday morning, the conference will conclude with a Town Hall Meeting entitled: “The Future of Healthy Homes.” As the capstone of the conference, this is an opportunity for participants to have their voices heard regarding the priority action steps needed to ensure that all families in the U.S. have access to healthy affordable housing. The National Center for Healthy Housing will facilitate an interactive session to elicit participant feedback on ways to advance healthy homes through public policy, private sector partnerships, and capacity building.

You can help determine the future of Healthy Homes by completing a short (3 question) online Town Hall Meeting Input Form with your ideas and suggestions. Participants will be invited to describe their suggestions to a panel of leaders representing

government agencies, the private sector, and advocacy organizations. Panelists include, but are not limited to Jon Gant, Director of the Office of Healthy Homes and Lead Hazard Control, HUD; Dr. Mary Jean Brown, Chief, Childhood Lead Poisoning Prevention Branch, CDC; Ralph A. Otto, Associate Administrator, USDA CSREES; Dave Rowson, Director, Center for Asthma and Schools, EPA Indoor Environments Division; and Patrick MacRoy, Executive Director, Alliance for Healthy Homes.

For more information and to access the Town Hall Meeting Input Form, please visit either the National Center for Healthy Housing’s survey site ([http://www.healthyhomestraining.org/NHHC\\_Survey.htm](http://www.healthyhomestraining.org/NHHC_Survey.htm)) or the main conference website (<http://www.hud.gov/offices/lead/2008NHHC.cfm>). The questionnaire will continue to be available following the conference.



# HEALTHY HOMES PAVILION

## Most people pack a suitcase and leave their house behind when they travel, but HUD's Office of Healthy Homes and Lead Hazard Control (OHHLHC) brings the house with them!

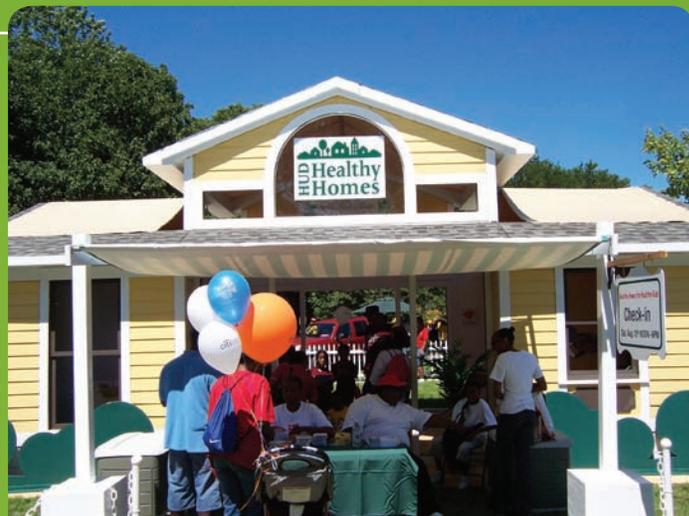
The Home Health and Safety Pavilion is a full-size model home that is part of the three-year, thirty-city Healthy Homes for Healthy Kids Campaign. The pavilion has already visited 14 communities across the country as part of this exciting outreach and education effort. In partnership with the Centers for Disease Control and Prevention, the US Environmental Protection Agency, and the US Department of Agriculture, HUD is reaching out to families, property owners, and community groups to help the general public understand and prevent residential health and safety hazards.

"The pavilion was a great entrée for discussion with those who had no concept of what healthy housing is about. There were so many things that people just had never thought about before," explained Doris Howard, an OHHLHC employee who volunteered at the pavilion, "but once they came in and you started talking, they were eager to learn more." Ms. Howard is one of many HUD employees who partner with local government and non-profit organizations to staff the pavilion. Bold signs throughout the pavilion offer advice to reduce hazards related to lead, mold, pests, allergies, asthma, injury and basic home safety. Volunteers expand upon the printed messages and direct visitors to additional sources of information.

Ms. Takiyah Worthy, another OHHLHC employee observed that, "A lot of people knew certain hazards existed, but they never realized the extent of possible injury. I was able to show them that a leaky water faucet is more than just a problem for the water bill, it relates to pests and molds as well." The pavilion is an excellent platform to demonstrate HUD's comprehensive healthy homes message. Visitors are encouraged to keep their homes dry, clean, and safe in effort to prevent poisoning, injuries, and asthma and allergy attacks. Instead of isolated information, the full house setting allows visitors to see potential hazards in the kitchen, bath, bedroom, and laundry room all at one time. Furthermore, it provides an opportunity to teach assessment and prevention techniques that address multiple hazards, such as controlling moisture.

From Atlanta to Detroit to Los Angeles, the Pavilion has literally gone across the country to promote awareness and improve the health of all children.

For additional information please contact **Sue Horowitz** at 215-542-7411 or [Susan.I.Horowitz@hud.gov](mailto:Susan.I.Horowitz@hud.gov)



# The Lighter Side

**Baltimore's Inner Harbor** is one of the most photographed and visited areas of the city. It has been one of the major seaports in the United States since the 1700s and started blossoming into the cultural center of Baltimore in the 1970s.

Distinct in function and form, locals and visitors alike enjoy Baltimore's Inner Harbor and the surrounding neighborhoods that offer a variety of fine dining, cultural experiences and exciting nightlife. From breath-taking panoramic views of the skyline from the Observation Level of the World Trade Center to the up-close and personal experiences of street performances happening spontaneously at the waterfront, Baltimore's Inner Harbor offers more to see and do than you might imagine and it's all within walking distance!

It would truly be a shame to visit Baltimore's Inner Harbor and not enjoy the rare treat of a traditional crab feast. Nowhere else in the world can you find this delicacy cooked to such perfection. It is practically a seasonal rite for most residents and regular visitors, but keep in mind Maryland crabs are definitely not fast food. They are also not for very formal people. After all, you will be eating right off the table with your hands. A Maryland crab feast should be a leisurely afternoon or evening spent with good company. The first time eating a steamed Maryland crab, you may want the help of a veteran picker. They will probably have a good laugh at your expense while you learn, but by the end of the meal you will be having such a good time it won't matter.

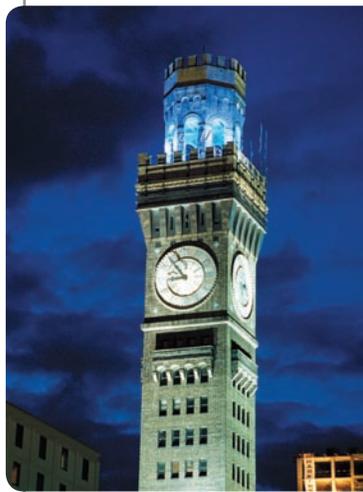


Photo courtesy of the Chesapeake Bay Project ([chesapeakebay.net](http://chesapeakebay.net)) and how to eat a crab by the University of Maryland Eastern Shore ([skipjack.net](http://skipjack.net)).

A special thanks to the Baltimore Area Convention and Visitors Association ([Baltimore.org](http://Baltimore.org)) for providing photos of the Baltimore area.

## HOW TO EAT A MARYLAND BLUE CRAB

### The Steps:

**1) Prepare The Table.** Steamed crabs are probably best eaten outside at a picnic table because they can be a bit messy. Have a trash can near by. Lay down the following in the order given: Plastic table cloth to keep juices from dripping through Brown craft paper or paper grocery bags cut open. Dump a pile of crabs on the table for folks to eat.

**2) Select a Crab.** Take a nice heavy crab, just out of the pot and steaming. Remove the claws and set aside for later. You'll need a crab knife (a butter or steak knife will do). A wood crab mallet will be helpful for cracking the claws. Also be sure to have lots of beer and/or soda on hand.

**3) Getting Started.** Pull the big pincher claws off the crab and save for later. Pull the hind legs (the back fin) off with a twisting motion. Sometimes some meat will come out with it—bite that off. Yum!

**4) Pull Off The Other Legs.** Some folks will snap open the legs for a small bite of meat—but there isn't much there so you might wait till you get faster at this. Throw away the legs and move on.

**5) Remove The Apron.** Turn the crab over so you're looking at the bottom. Insert the tip of your knife into the apron. Pull it up and back. This detaches the top shell.

**6) Remove the Top Shell.** Turn the crab over again, right-side up. Now you can take off the top shell and discard it. You'll see the gills and mustard. Use your knife to clean these away.

**7) Eating The Crab Meat.** Take the remaining crab in your hands. Snap it in two and all that luscious crab meat will be revealed. You can use your knife to peel the shell away from the meat, or using your knife, slice each half in half again lengthwise. Use your knife to pick the meat from the shells.

**8) Eating The Claws.** Don't forget the claws you set aside. Use your knife and wooden mallet to crack them open. There are two main sections in the claw—ignore the elbow. Place the sharp edge of your knife in the middle of one section. Tap the dull side of your knife with the mallet until the shell breaks. (This takes practice—not too hard—not too light.) Pull the exposed meat off with your fingers or your teeth. Sit back and Enjoy!



# Exhibitors

## Exhibiting Organizations .....Booth #

### A

#### **Aerobiology Laboratory ..... 54** **Associates, Inc.**

43760 Trade Center Place, Suite 100  
Dulles, VA 20166  
Phone: 877.648.9150  
Fax: 703.648.3919  
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Email: [Suzanne@aerobiology.net](mailto:Suzanne@aerobiology.net)

#### **ActivTek Environmental..... 2**

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Phone: 301.885.0079  
Fax: 301.885.0449  
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Email: [airwaterinfo@comcast.net](mailto:airwaterinfo@comcast.net)

#### **AllergyZone LLC..... 6**

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Louisville, KY 40223  
Phone: 502.339.1500  
Fax: 502.339.7333  
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Email: [jsublett@allergyzone.com](mailto:jsublett@allergyzone.com)

#### **American Lead Poisoning Help..... 21** **Association, Inc. (ALPHA)**

P.O. Box 403  
Riverside, NJ 08075  
Phone: 609.332.6730  
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Contact: Leann Howell  
Email: [theleadlady@comcast.net](mailto:theleadlady@comcast.net)

#### **American Public Health Association..... 18**

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Washington, DC 20017  
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Fax: 202.777.2532  
Contact: Tracy Kolian  
Email: [tracy.kolian@apha.org](mailto:tracy.kolian@apha.org)

#### **ATC Associates, Inc. .... 31**

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Contact: Karen Pecoraro  
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### B

#### **Baltimore City Health Department,..... 43** **Healthy Homes Division**

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Baltimore, MD 21201  
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Fax: 410.244.1366  
Contact: Bobbie Schapiro  
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#### **Baltimore County Office of..... 38** **Community Conservation**

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Baltimore, MD 21212  
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Fax: 410.832.8547  
Contact: Elizabeth "Liz" Glenn  
Email: [eglenn@baltimorecountymd.gov](mailto:eglenn@baltimorecountymd.gov)

### C

#### **Centers for Disease Control ..... 28** **and Prevention (CDC)**

Healthy Homes Goal Team  
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Phone: 770.488.0543  
Fax: 770.488.0701  
Contact: Jaime Raymond  
Email: [zvu0@cdc.gov](mailto:zvu0@cdc.gov)

#### **Centers for Disease Control ..... 29** **and Prevention (CDC)**

Lead Poisoning Prevention Program  
4770 Buford Hwy., MS F-60  
Atlanta, GA 30341  
Phone: 770.488.7225  
Fax: 770.488.3635  
Contact: Nikki Walker  
Email: [mwalker@cdc.gov](mailto:mwalker@cdc.gov)

#### **Centers for Disease Control ..... 30** **and Prevention (CDC)**

Partnership and Collaborations  
4770 Buford Hwy., MS F-60  
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Fax: 770.488.3635  
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Email: [rxg2@cdc.gov](mailto:rxg2@cdc.gov)

#### **Coalition for Environmentally ..... 17** **Safe Communities**

6642 Fisher Avenue  
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Fax: 703.534.8332  
Contact: Dr. Janet Phoenix  
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#### **Coalition to End Childhood ..... 16** **Lead Poisoning**

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### E

#### **The Eco Depot ..... 51**

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#### **Ecohealth Homes ..... 15**

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#### **Environmental Hazards Services, LLC ..... 4**

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#### **ESA Biosciences, Inc..... 9**

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# Exhibitors

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## **F**

## **Forensic Analytical Laboratories, Inc. .... 7**

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## **Fuss and O'Neill EnviroScience, LLC ..... 8**

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## **G**

## **Government Scientific Source ..... 5**

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Contact: Craig Cheltenham  
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## **H**

## **Health, Education and Resources ..... 14 (HEAR)**

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Newport, PA 17074  
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## **Healthy Homes Partnership ..... 39**

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## **Hybrivet Systems, Inc..... 10**

17 Erie Drive  
Natick, MA 01760  
Phone: 508.651.7881  
Fax: 508.651.8837  
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Email: [drobot@leadcheck.com](mailto:drobot@leadcheck.com)

## **I**

## **Indoor Air Quality Association (IAQA) ..... 12**

12339 Carroll Avenue  
Rockville, MD 20852  
Phone: 301.231.8388  
Fax: 301.231.8321  
Contact: Paul TranVanKha  
Email: [ptvk@iaqa.org](mailto:ptvk@iaqa.org)

## **Innov-X Systems ..... 11**

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Woburn, MA 01801  
Phone: 781.938.5005  
Fax: 781.569.6543  
Contact: Paul Pipitone  
Email: [ppipitone@innov-xsys.com](mailto:ppipitone@innov-xsys.com)

## **L**

## **Lawrence County Community..... 42 Action Partnership (LCCAP)**

241 West Grant Street  
New Castle, PA 16103  
Phone: 724.658.7258  
Fax: 724.658.7664  
Contact: Jennifer Elliott  
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## **LEW Corporation ..... 41**

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Mountainside, NJ 07092  
Phone: 908.654.8068  
Fax: 908.654.8069  
Contact: Lois Sang  
Email: [lsang@lewcorp.com](mailto:lsang@lewcorp.com)

## **M**

## **Medtox Laboratories ..... 44**

432 W. County Road D  
St. Paul, MN 55112  
Phone: 651.628.6175  
Contact: Joe Huffer  
Email: [pmandich@medtox.com](mailto:pmandich@medtox.com)

## **The Mid-Atlantic Center for ..... 24 Children's Health and the Environment**

The George Washington University School of  
Public Health and Health Services  
2100 M Street, NW  
Washington, DC 20052  
Phone: 202.994.1166  
Contact: Aurora Amoah  
Email: [pehsu@gwu.edu](mailto:pehsu@gwu.edu)

## **MoldAid, Inc..... 13**

P.O. Box 868  
Gainesville, VA 20156  
Phone: 877.932.7177  
Fax: 703.754.1216  
Contact: John Taylor  
Email: [myhomewarranty@aol.com](mailto:myhomewarranty@aol.com)

## **N**

## **The National Center for Healthy ..... 25 Housing**

10320 Little Patuxent Parkway, Suite 500  
Columbia, MD 21044  
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Fax: 443.539.4150  
Contact: Christopher Bloom  
Email: [ebloom.temp@centerforhealthyhousing.org](mailto:ebloom.temp@centerforhealthyhousing.org)

## **National Safety Council ..... 27**

1025 Connecticut Avenue, NW #1200  
Washington, DC 20036  
Phone: 202.974.2469  
Fax: 202.293.0032  
Contact: Kristin Lolmaugh  
Email: [lolmaugk@nsc.org](mailto:lolmaugk@nsc.org)

**P**

**Pennsylvania IPM Program..... 26**  
Penn State University  
111 N. 49th Street, Ste KN3-100  
Philadelphia, PA 19139  
Phone: 215.471.2200, ext 109  
Fax: 215.471.2231  
Contact: Dion Lerman  
Email: [dlerman@psu.edu](mailto:dlerman@psu.edu)

**Pure Air Control Services, Inc. .... 45**  
4911 Creekside Drive, Suite C  
Clearwater, FL 33760  
Phone: 727.572.4550  
Fax: 727.572.5859  
Contact: Johnny Vree  
Email: [mktcoord@pureaircontrols.com](mailto:mktcoord@pureaircontrols.com)

**R**

**Reckitt Benckiser..... 37**  
399 Interpace Parkway  
Parsippany, NJ 07054  
Phone: 973.404.2787  
Fax: 973.404.5704  
Contact: Thomas Bach  
Email: [tom.bach@reckittbenckiser.com](mailto:tom.bach@reckittbenckiser.com)

**RMD Instruments, LLC ..... 48**  
44 Hunt Street  
Watertown, MA 02472  
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Fax: 617.926.9743  
Contact: Paul Delmonico  
Email: [pdelmonico@rmdinc.com](mailto:pdelmonico@rmdinc.com)

**S**

**Story Board Enterprises, Inc. .... 46, 47**  
111 Talon Drive  
Cary, NC 27518  
Phone: 201.456.0363  
Fax: 919.651.0702 (call first)  
Contact: Gary Knutson  
Email: [garyknutson@hotmail.com](mailto:garyknutson@hotmail.com)

**T**

**Tamarac Environmental and..... 49, 50**  
**Tamarac Medical**  
7000 S. Broadway, Suite 1A  
Centennial, CO 80122  
Phone: 888.826.1368  
Fax: 303.962.2496  
Contact: Ken Kahle  
Email: [kkahle@tamaracinc.com](mailto:kkahle@tamaracinc.com)

**Thermo Scientific NITON Analyzers ..... 52**  
900 Middlesex Turnpike, Bldg. 8  
Billerica, MA 01821  
Phone: 978.670.7460  
Fax: 978.670.7430  
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Email: [niton@thermofisher.com](mailto:niton@thermofisher.com)

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7161 Columbia Gateway Dr., Suite C  
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Phone: 410.997.4458  
Fax: 410.997.8713  
Contact: Ellen Chang  
Email: [ellenchang@tideh2o.net](mailto:ellenchang@tideh2o.net)

**U**

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# Exhibit Hall Floorplan

HILTON HOTEL  
BALTIMORE, MARYLAND

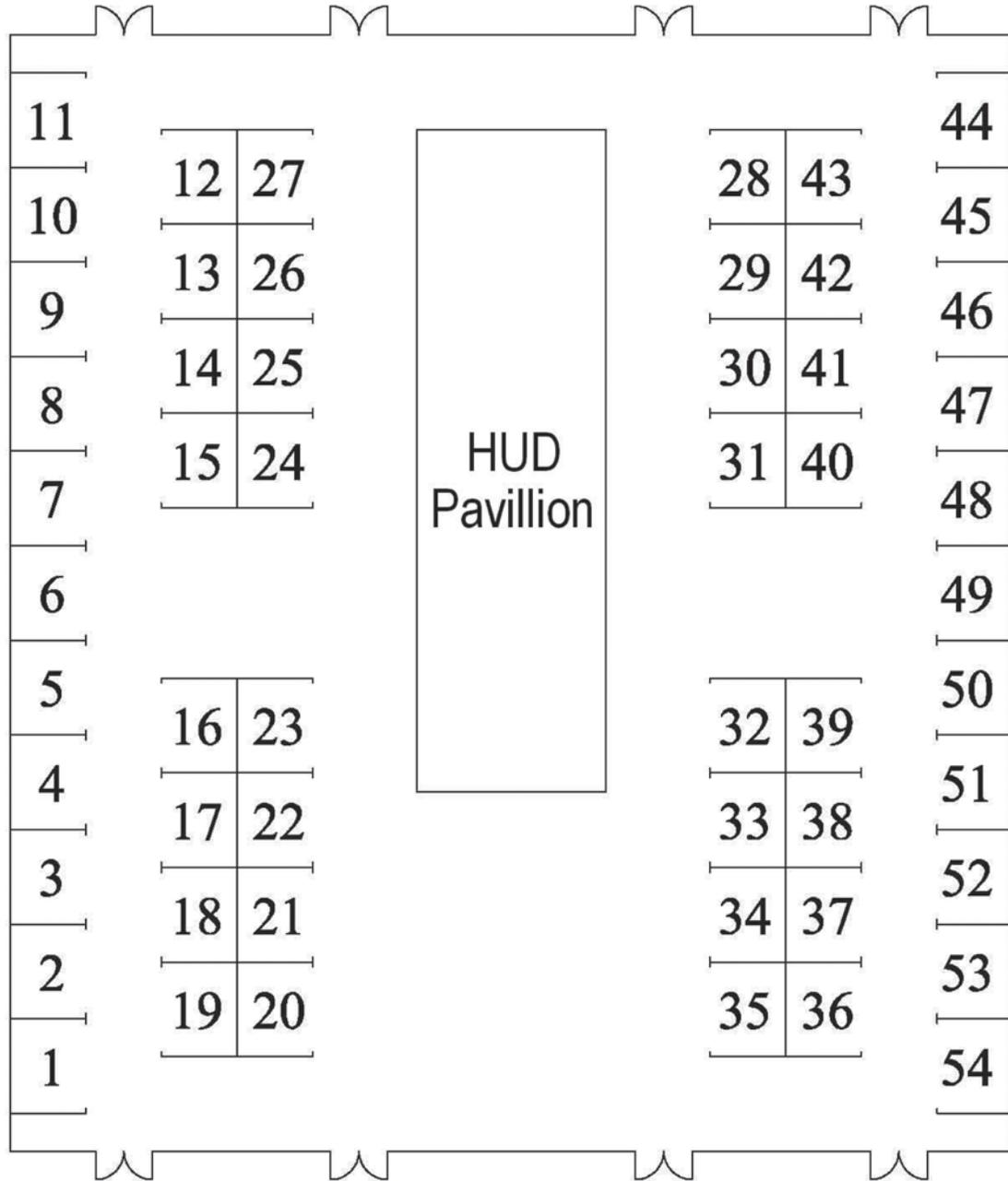


Exhibit Hall Entrance

## 2008 NATIONAL HEALTHY HOMES CONFERENCE CORE PLANNING COMMITTEE

A conference like this inherently involves a wide range of contributors, with their participation at different phases and in diverse ways. The 2008 Conference would not have been possible without their hard work and support.

Over a sustained period of time, through many conference calls and many other ways, the following individuals especially provided insights on programming, implementation and creative direction for the 2008 National Healthy Homes Conference:

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