

Creating healthy and safe homes for children through practical and proven steps.

Who We Are...and What We Do?

March 2012



NCHH Resources for You

Training

- National Healthy Homes Training Center and Network
- Healthy Homes Specialist Credential
- EPA Renovation, Repair, and Painting Rule Accredited Training Provider
- Guidance and Technical Assistance on Program Implementation & Integration

Policy

- National Safe and Healthy Housing Coalition
- State of Healthy Housing Website

Research

- Program Evaluation
- Research and Documentation on Practical Strategies for Reducing Health and Safety Hazards

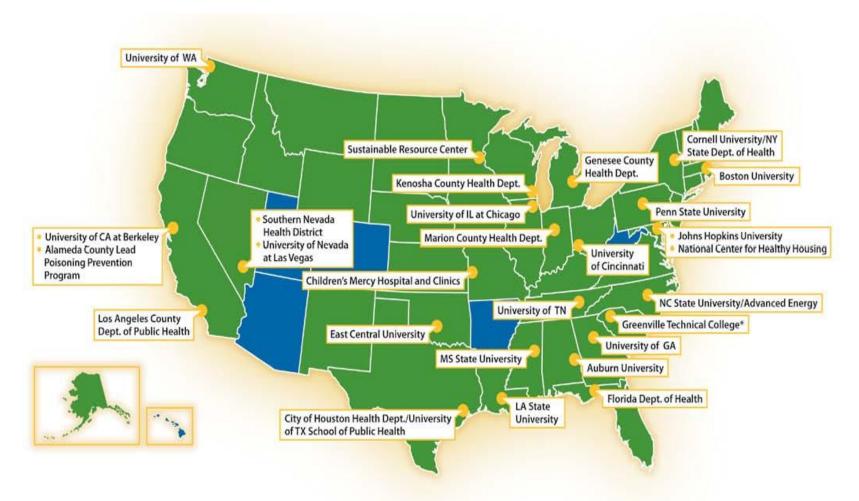


TRAINING

www.nchh.org/Training/National-Healthy-Homes-Training-Center.aspx



Healthy Housing Training Center





Training Center Courses

- Essentials of Healthy Homes
- Launching a Healthy Homes Initiative
- On-Line Pediatric Environmental Home Assessment
- Integrated Pest Management for Multi-Family Housing
- Community Health Workers
- Healthy Homes for Code Inspectors

- Certified Lead Renovator
- Healthy Homes for Homebuyer Counselors*
- Health Opportunities in Energy Audits and Upgrades
- Green & Healthy
 Management Strategies
 for Multi-Family
 Properties*
- Healthy Homes Advanced Course (Coming Soon)

*In partnership with NeighborWorks America





For individuals who have demonstrated competency in the basics of the seven principles of healthy housing and how to put them into practice in homes.

- Indoor Air Quality Professionals
- Certified Home Inspectors
- Pest management Professionals
- Energy Auditors
- Lead-Based Paint Professionals
- Asbestos, Radon, and Mold Professionals
- Realtors
- Homebuyer Counselors

- Green Builders, Architects, and Developers
- Property Management Companies
- Government Agencies
- Environmental health professionals
- Code Inspectors
- Visiting nurses
- Housing Rehabilitation Specialists



POLICY

www.nchh.org/Policy/National-Safe-and-Healthy-Housing-Coalition.aspx





National Safe and Healthy **Housing Coalition**

Mission: To implement the most promising and realistic recommendations for a National Healthy Housing Action Plan













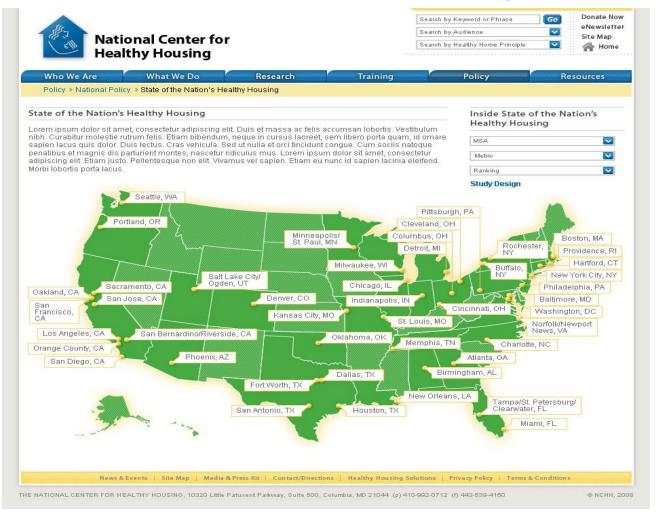


Join Today!

- Visit our website:
 - www.nchh.org/Policy/National-Safe-and-Healthy-Housing-Coalition.aspx
 - Click on 'Coalition membership packet'
- Participation is free and flexible

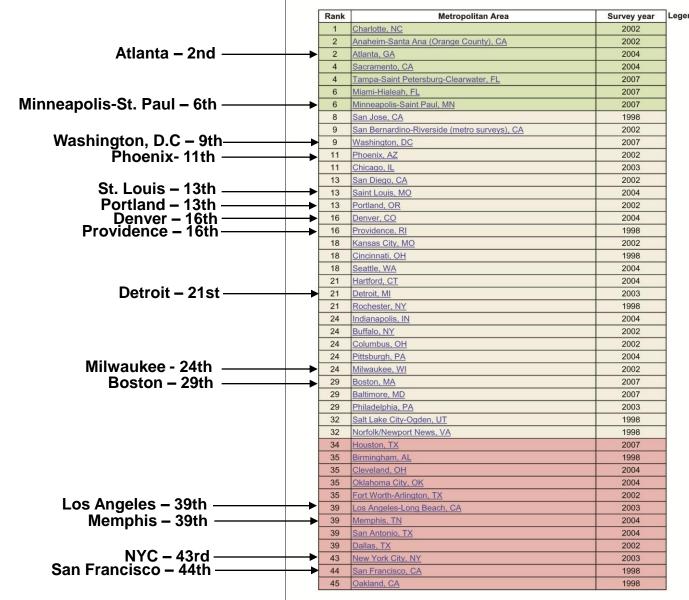


State of the Nation's Healthy Housing



www.nchh.org/Policy/State-of-Healthy-Housing.aspx

State of Healthy Housing Ranking of Communities by Healthy Housing Quality - All Units in MSA



Most Healthy
Fair
Most Unhealthy





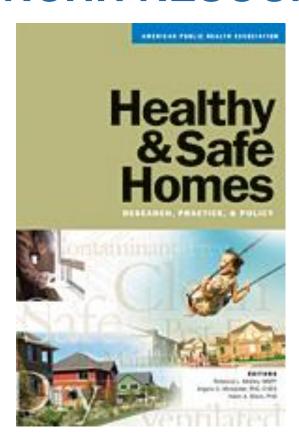
Green and Healthy Housing Resources

- Fact Sheets and Case Studies
 - Radon-Resistant
 Construction: Low-Rise
 Multi-Family Housing
 - Reasons to Explore Smoke-Free Housing
 - Improving Ventilation in Multi-Family Buildings
 - Green and Healthy Housing Priorities for Homeowners





NCHH RESOURCES



www.nchh.org/store.aspx



RESEARCH



NCHH Research Objectives

- Develop/validate standardized sets of healthy homes improvements that are practical, cost-effective, health protective, and accessible for different types of housing and different housing transactions
- Calculate the cost of HH improvements and related health benefits
- Standardize data collection HH methods and sample procedures (including laboratory procedures)
- Identify trends in housing and the systematic community level changes that may have produced those trends
- Create valid HH inspection process and recommendations for healthy homes treatments



What Works?



Housing Interventions and Health:

A Review of the Evidence



January 2009 National Center for Healthy Housing



Expert Panel Review

- Sponsored by CDC
- Over 60 experts examined available evidence of how housing changes (interventions) affected health outcomes
 - Biological agents
 - Pest allergens, Mold & Moisture, Pests
 - Chemicals
 - Radon, Lead, Particles, Pesticides, VOCs
 - Water & Sewage Treatment
 - Injuries
 - Falls, Fire, Scalds
 - Community-Level Effects



Effective Interventions (Clinical and/or Environmental Exposure)

- Lead Hazard Control
- Multi-Faceted Tailored Asthma Interventions
- Integrated Pest Management
- Radon Sub-slab Mitigation
- Mold and Moisture Control
- Smoking Bans
- Installing Smoke Alarms
- Lowering Hot Water Temperature
- 4-sided Fencing (Pools)
- Rental Subsidies (Section 8 Vouchers)



Source: Journal of Public Health Management and Practice

TABLE 1 • Summary of Intervention Findings

Panel	Sufficient Evidence for Implementation	Needs More Field Evaluation	Needs Formative Research	No Evidence/Ineffective
Interior Biological Agents (Toxins)	Multifaceted, in-home, tailored interventions for asthma (reduce exposure to triggers, decrease symptoms and health care use, improve quality of life) Cockroach control through integrated pest management (reduce allergens) Combined elimination of moisture intrusion and leaks and removal of moldy items	Improved insulation (reduce moisture and mold exposure and improve general and respiratory health status) Repeated vacuuming and steam cleaning of carpeting and furnishings (reduce allergens) HEPA air filtration (to reduce asthma) Ventilation and dehumidification	1. One-time professional cleaning	Bedding encasement and/or sheet and/or upholstery cleaning alone ^b Acaracides as a single intervention ^b Air cleaners releasing ozone ^a
Interior Chemical Agents (Toxics)	Active radon air mitigation strategies (to reduce exposure to radon in air) Integrated pest management (pesticide reduction) Smoke-free policies Residential lead hazard control to reduce	Radon mitigation in drinking water Portable HEPA cleaners to reduce indoor particulates Attached garage sealing to limit VOC intrusion Particulate control by envelope sealing	Radon air mitigation using passive systems Residential ventilation VOC interventions other than garage sealing	Portable HEPA air cleaners to reduce secondhand smoke or gases ^b Innizers or other air cleaners using or releasing ozone ^b Single professional cleaning to
Structural Deficiencies (Injury)	lead hazards and children's blood lead levels 1. Installed, working smoke alarms to reduce fire deaths and injuries 2. Four-sided isolation pool fencing to prevent drowning 3. Preset safe temperature hot water heaters to prevent scald burns	Fall prevention by home modifications such as handrails, grab bars, and improved lighting Temperature-controlled mixer faucets Safe ignition sources Home modification to escape fires Working air-conditioning during heat waves	Automatic fire sprinkler systems for housing Pool covers and alarms Bathtub design to reduce falls Stove control design to prevent burns Carbon monoxide exposure prevention through design, engineering, legislation, and education Improved enforcement of building and housing codes Noise reduction Design of residential construction materials	control exposure to lead ^b 1. Three-sided pool fencing ^b
Community-level Housing interventions	Rental vouchers (Housing Choice Voucher Program)	Moving people from high-poverty to lower-poverty neighborhoods as a health intervention Demolition and revitalization of poor or distressed public housing (HOPE VI)	Universal design Crime prevention through environmental design Smart growth and connectivity designs Residential siting away from highways Zoning Density bonuses Green space around housing	



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