 **National Center for Healthy Housing**
 Creating healthy and safe homes for children through practical and proven steps.

National Healthy Housing Standard
Creating safe and healthy homes for America's families


Presentation for Stakeholders – May 2013

 **National Center for Healthy Housing**

Agenda


- Introductions
- Process and partnerships
- Background
- Standard development strategy
- Sample standard provisions
- Next Steps
- Adjourn



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PROCESS AND PARTNERSHIPS

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Key Contributors

- American Public Health Association
- National Center for Healthy Housing
- National Committee on Housing and Health
- Technical Review Work Group

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National Committee on Housing and Health

- Meri-K Appy
- Dr. Georges Benjamin
- Dr. Gail Christopher
- Henry Cisneros
- Dr. Carlos Dora
- Dr. Ruth Etzel
- David Fukuzawa
- Dr. Lynn Goldman
- Moises Loza
- Nic Retsinas
- Dr. Megan Sandel
- Steve Thomas
- Dr. Tom Vernon (Chair)

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National Committee Advice



Technical Review Work Group Members

Dr. Pat Breyse, Johns Hopkins - exposure
 Dr. James Krieger, Seattle/King County Health (*Chair*)
 Dr. David Ormandy, U. Warwick (UK) - healthy housing rating
 Dr. Claudette Reichel, Louisiana State U. - mold and moist climate
 Dr. Bill Rose, U. Illinois - moisture, ventilation
 Dr. Richard Shaughnessy, U. Tulsa - indoor air
 Suzanne Condon, Mass. Public Health - sanitary code, environmental health
 Alan Johanns, City of San Diego - building deficiencies
 Charles Treser, U. Washington - public health (*senior advisor*)

Technical Review Work Group Members (cont)

Terry Brennan - ventilation and moisture
 Kevin Kennedy, Children's Mercy Hospital, Kansas City - assessment
 Paul Haan, Healthy Homes Coalition of West Michigan - local codes
 Beth McKee-Huger, Greensboro Housing Coalition - local codes
 Dr. Peter Ashley, HUD Office of Healthy Homes and Lead Hazard Control
 Dr. Mary Jean Brown, CDC, Healthy Homes/ Lead Poisoning Prevention
 Dr. Karin Mack, CDC, Injury Prevention
 Greg Brunner, EPA Offices of Indoor Air

Technical Review Work Group Advice

- Provided 300 comments on a variety of issues related to provision language:
 - Indoor Air Quality-particularly chemical and radiological agents
 - Moisture/Mold
 - Owner vs. Occupant Responsibilities
 - Heating, Ventilation, and Energy Efficiency
 - Evidence Basis

Timeline

Activity	Who	Deadline
Provide input, adopt strategy	National Committee on Housing and Health	October 10, 2012
Key Constituent Outreach	NCHH Staff	Ongoing
Prepare draft	NCHH Staff	December 2012
•Technical review •Reconcile with codes •Literature review	Technical Review Work Group and NCHH Staff	May 1, 2013
Public Comment Period	Interested Parties	June – July 2013
Review public comments and incorporate changes	Technical Review Work Group and NCHH Staff	September 30, 2013
Final Endorsement of Standard	National Committee on Housing and Health	October 31, 2013
Publication and Adoption November 30, 2013		

The National Healthy Housing Standard

THE NEXUS OF PUBLIC HEALTH AND HOUSING

Health in the Late 19th Century



- Tuberculosis, Typhoid, Cholera
- Policies Enacted
 - Fresh Air
 - Reduce Crowding
 - Improved Sanitation
- Disease Rates Declined

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Fragmented Housing Policies

- Privately-Owned Housing
 - Property Maintenance Code – International Code Council
 - State laws (e.g. health code) and local ordinances
 - Some jurisdictions have no housing or sanitary code
- Federally-Owned and Assisted Housing (HUD)
 - Housing Quality and Uniform Property Condition Standards (rental)
 - Minimum Property Requirements (mortgage insurance)

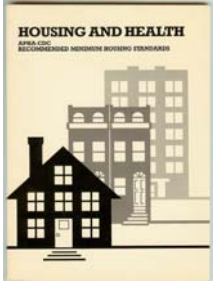


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Foundational Documents - 1986

- APHA-CDC product
- Health-protective
- Delineated roles of property owners and occupants
- Defined codes
- Directed only at public health agencies




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Foundational Documents - 2013

- Provides an initial framework to coordinate federal action for advancing healthy housing through a comprehensive approach.
 - Healthy Homes Work Group involved HHS, HUD, EPA, DOE, USDA, DOL, and NIST
- "...goal of providing decent and affordable housing for all citizens through the efforts and encouragement of Federal, State, and local governments, and by the independent and collective actions of private citizens, organizations, and the private sector."



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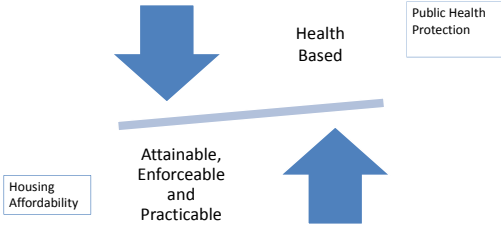
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STANDARD DEVELOPMENT STRATEGY

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Intent of the National Standard




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What the Standard Isn't...

A construction or rehabilitation standard



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The Standard's Value Added:

Can be used to strengthen existing codes

Housing code for local adoption

Overlay of IPMC

Guidance for a rental property owner

Standard of care for any home

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Standard Architecture

Topic

Requirements

Stretch Provisions

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Standard Minimum Requirements

- Duties Of Owners And Occupants
- Structure, Facilities, Plumbing, And Space Requirements
- Safety And Personal Security
- Lighting And Electrical Systems
- Heating, Ventilation, And Energy Efficiency
- Moisture Control, Solid Waste, And Pest Management
- Chemical And Radiological Agents

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Sample Standard Provisions

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Comparison with Existing Standards

Provision	IPMC	HQS	National Healthy Housing Standard
CO Alarm			☑
Integrated Pest Management			☑
Ventilation	✓	✓	☑
Noise Infiltration Limit			☑
Correct Moisture Problem and Underlying Cause			☑

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Carbon Monoxide Alarm

- At least one carbon monoxide (CO) alarm shall be provided in a dwelling unit that has heating equipment using combustion fuel or is adjacent to an attached garage. A CO alarm must be installed on each floor that has a sleeping area, within 10 feet (3,054 mm) outside each bedroom.
 - Battery-operated CO alarms shall be powered with lithium batteries. Hard-wired CO alarms shall have lithium battery back-up.

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Pest Management

- Every dwelling shall be maintained free of infestation, openings that allow pest entry, conditions that harbor pests or provide them with food or water, and visible pest residue or debris using integrated pest management methods.

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Ventilation

- Natural or mechanical ventilation, or a combination of the two, shall deliver fresh air to every habitable room and bathroom and be capable of removing moisture-laden air and other contaminants generated during cooking, bathing, and showering. No air exhausted from a bathroom, toilet room, or kitchen shall be vented into habitable space or an attic.

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Noise

- The structure and facilities shall be maintained so that interior dwelling noise levels are below 45 L_{dn} (day-night equivalent sound level).

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Moisture Prevention and Control

- Every foundation, roof, roofing component, exterior wall, door, skylight, and window shall be watertight, free of persistent dampness or moisture, and in good condition.
- Material that is discolored or deteriorated by mold or mildew or causes a moldy or earthy odor shall be cleaned, dried, and repaired. Structurally unsound material shall be removed and replaced.
- Follow guidance for mold remediation.
- Repair underlying cause.

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Next Steps

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Our Request to Stakeholders

- Help us collect public comments (June and July)
- Help us disseminate the standard once it is complete (December)
- Help us work with jurisdictions to facilitate adoption (2014-2015)

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Public Comment Process

- Begins: June, 2013
- Submissions accepted via web form
- <http://www.nchh.org/Policy/NationalPolicy/NationalHealthyHousingStandard.aspx>
- Staff will analyze/consolidate comments
- Technical Review Work Group will meet in September

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Contact Information

- Jane Malone jmalone@nchh.org
202.280.1982
- Jonathan Wilson, jwilson@nchh.org
443.539.4162
- Jill Breyse jbreyse@nchh.org
443.539.4155
- Rebecca Morley, rmorley@nchh.org
443.539.4159

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THANK YOU!

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