

"SAFE AND HEALTHY HOMES: WHAT CAN BE DONE?"

A webcast by Susan Aceti from the National Center for Healthy Housing and Angela Mickalide from the Home Safety Council



Moderated by Ellen Schmidt 2:00pm – 3:30 pm EDT



On your telephone please dial 1-866-835-7973

The webcast will begin shortly.

Please be sure to mute the volume on your computer.

National Healthy Homes Training Center and Network

Susan Aceti

National Center for Healthy Housing

Angela Mickalide

Home Safety Council



Who NCHH is:

- Nonprofit corporation based in Columbia, Maryland
- Dedicated to creating healthy and safe homes for children through practical and proven steps.
- Over 16 years of experience in research, program evaluation, technical assistance, training, and outreach
- Supported by federal funding (HUD, CDC, EPA, DOE) and private foundation support



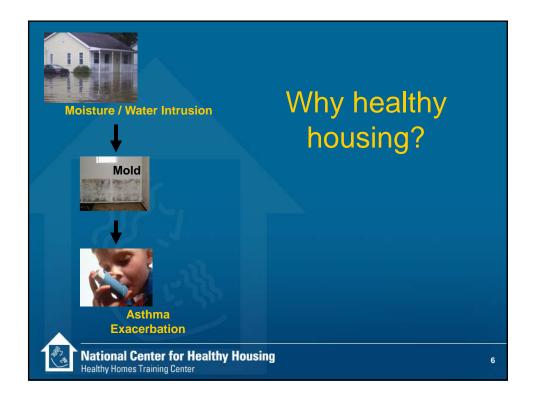
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Who HSC is:

The Home Safety Council (HSC) is the only national nonprofit organization solely dedicated to preventing home related injuries that result in nearly 20,000 deaths and 21 million medical visits on average each year. Through national programs, partnerships and the support of volunteers, HSC educates people of all ages to be safer in and around their homes. The Home Safety Council is a 501(c)(3) charitable organization located in Washington, DC.





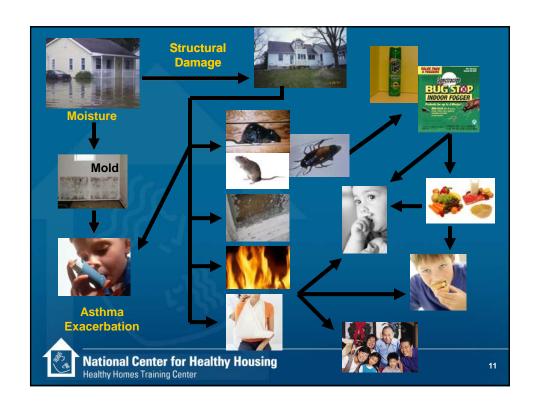




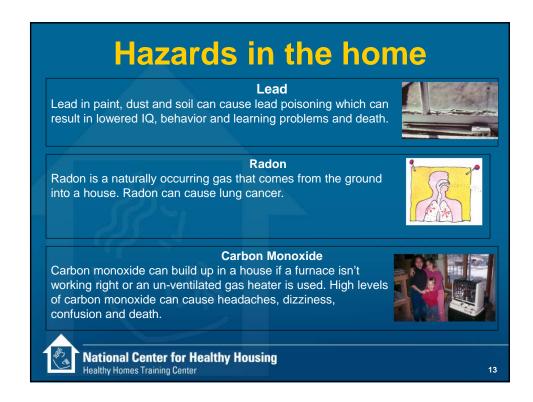


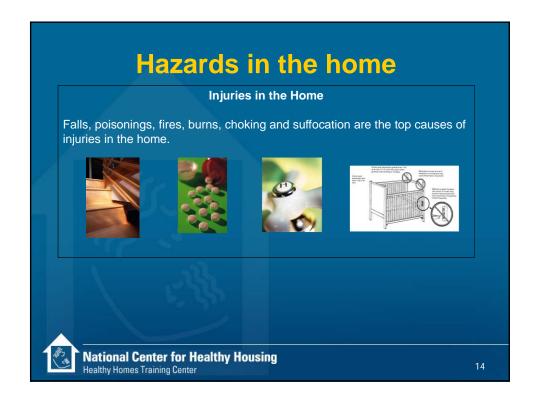




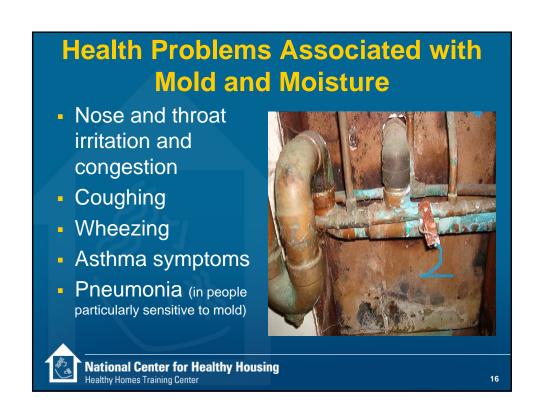


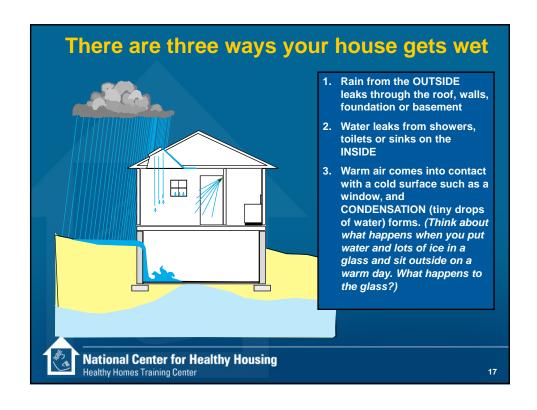


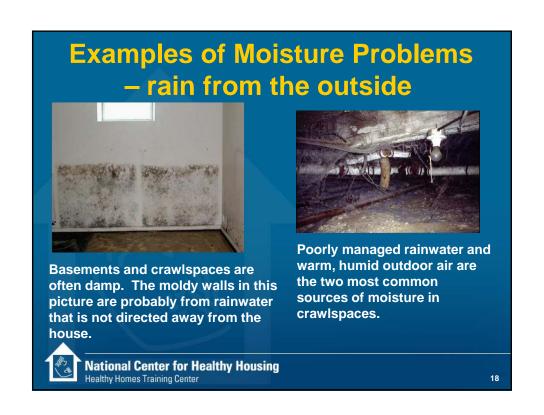












Keep It Dry – What You Can Do

If you rent or own

- Use kitchen and bathroom fans.
- Wipe down shower walls after baths or showers
- If the humidity in your house is more than 50%, turn on air conditioning.
- Use a dehumidifier to dry out damp areas.
- Throw away carpeting, cardboard boxes, insulation and anything very wet for more than two days (if you rent, check with your landlord first).
- Clean up mold if the area with mold is relatively small.

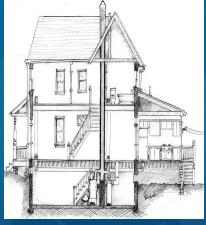
If you rent, your landlord should:

- Clean up mold
- Make sure downspouts direct water away from foundations
- Repair leaking roofs, walls doors or windows



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7 Healthy Homes Principles



Keep It:

- . Dry
- 2. Clean
- 3. Ventilated
- 4. Pest-Free
- s. Safe
- 6. Contaminant-Free
- Maintained



Why do we want homes that are clean and easily cleanable?

- Less contact with:
 - Dust mites, mold, mice/rat/cockroaches
 - Pesticides
 - Heavy metals such as lead
- Less places for pests like mice and cockroaches to hide



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Healthy Cleaning

- Don't dry dust or dry sweep
- Vacuuming carpets:
 - A good vacuum will have a beater bar
 - The best type of vacuum to buy is a HEPA vacuum
 - Be sure to vacuum very slowly (or use vacuum with dirt finder)
- Wet cleaning:
 - —Use "elbow grease"
 - —Change water frequently



Keep It Clean – What You Can Do

If you rent or own

- Vacuum or wet clean floors.
- Use a damp cloth for dusting.
- Wash bed linens every 1-2 weeks in hot water.
- Use a walk-off mat outside of your door.
- Take your shoes off at the door.
- Use "green" cleaning products.
- Invest in a good HEPA vacuum that has a beater bar on the bottom and can be emptied quickly and thoroughly.
- Use plastic boxes to store clutter.
- Use allergen-free mattress and pillow covers as part of an effective cleaning strategy for children with asthma or allergies.

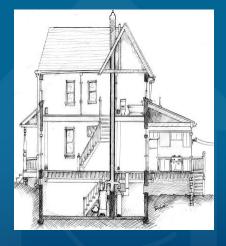
If you rent, your landlord should:

- Help with pest problems by sealing cracks and holes
- Consider hard surface floors that show dust more clearly, can be cleaned faster and can be damp mopped.



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7 Healthy Homes Principles



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What does Ventilate Mean?

- Ventilating means that fresh air is circulating in the house
- It also means that the house has openings for pollution to escape from inside
- If any portion of air leaves a house the same amount must enter
- Air can be hot, cold, wet, dry, or polluted when it enters or exits a house



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Why Well Ventilated?

Good ventilation reduces hazards from:

- Moisture
- Smoke from cigarettes, cigars, incense or candles
- Allergens (such as cockroach and mice droppings)
- Mold
- Carbon monoxide
- Volatile organic compounds (VOCs)
- Radon



Things that need exhaust ventilation

- Bathrooms
- Clothes dryers
- Kitchen ranges
- Boilers, furnaces, hot water heaters
- Fireplaces, wood burning stoves



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Keep It Ventilated – What You Can Do

If you rent or own

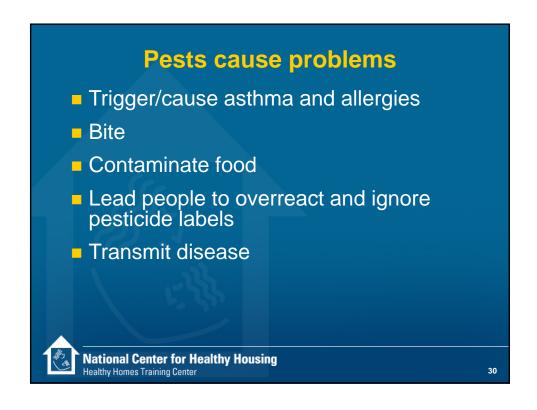
- Use exhaust fans when cooking or bathing and check that they work properly.
- Install a carbon monoxide alarm.
- Check that smoke and carbon monoxide alarms work properly.
 Replace batteries twice a year.
- **Never** use charcoal grills inside.
- Open a window if you use unvented kerosene or gas heaters.

If you rent, your landlord should:

- Have bathroom and kitchen exhaust fans that vent outside.
- Install smoke and carbon monoxide alarms.
- Maintain furnaces
- Have dryers vent outside and keep vents unclogged.



7 Healthy Homes Principles Keep It: 1. Dry 2. Clean 3. Ventilated 4. Pest-Free 5. Safe 6. Contaminant-Free 7. Maintained National Center for Healthy Housing Healthy Homes Training Center



What is IPM?

- Integrated: Use different approaches that work together (for example, cleaning up food spills, sealing up holes underneath cupboards, using baits)
- Pest: Cockroaches, mice, rats
- Management: No more cockroaches, mice or rats



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Keep It Pest-Free – What You Can Do

If you rent or own

- Contact your landlord right away about pest problems.
- Clean up food or crumbs.
- Wrap food and put it in the refrigerator, or in a cabinet if tightly sealed.
- Do not leave dirty dishes out overnight.
- Sweep, mop, and vacuum regularly.
- Take garbage to the trash area at least once a week (or every day if you have pests).
- Clean up clutter that provides hiding places for pests.
- Minimize pesticide use. If you use pesticides, make sure to follow the directions on the label.
- Don't use sprays or foggers.

If you rent, your landlord should:

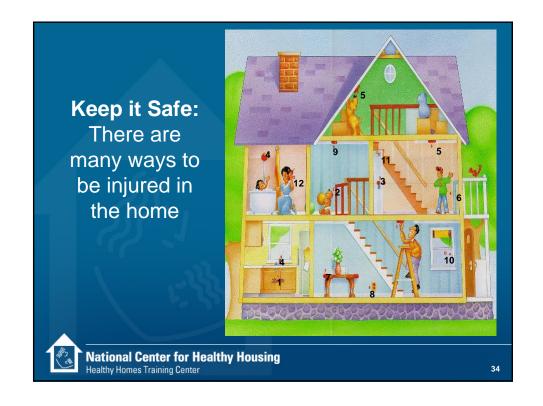
- Seal holes in walls, floors and ceilings to prevent pests from coming in.
- Use baits, traps, or gels to kill pests.
- Repair water leaks or damage.

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What are the most common causes of home injury deaths?

- 1. Falls (particularly for the elderly)
- 2. Poisoning
- 3. Fires and burns
- 4. Choking and suffocation
- 5. Drowning



Which age groups are most at risk?

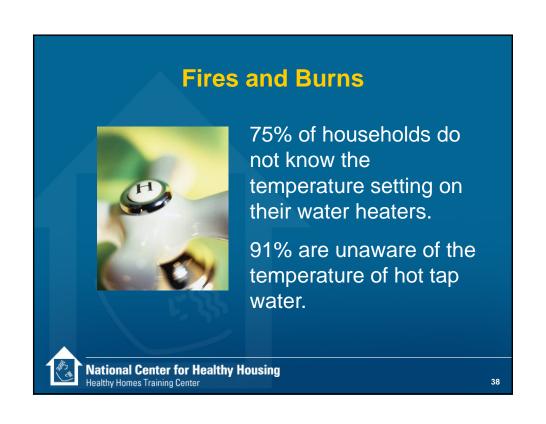
- Infants are most likely to be injured or die from choking and suffocation.
- Children up to 14 years old and seniors are most likely to be injured from falls.
- Children from 1 14 years old are most likely to be injured by fires and burns.
- Adults who are over 80 years old are most likely to die from any injuries in the home.



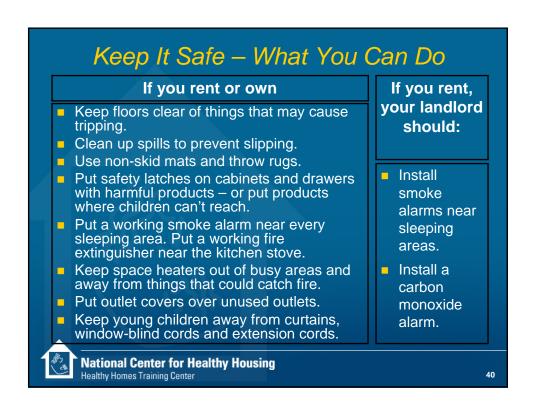
















Why Avoid Tobacco smoke: Related Health Effects

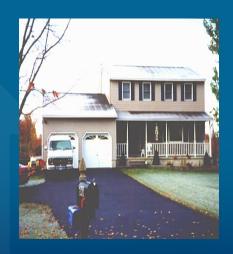


- Increases the number of episodes and severity of symptoms for children with asthma
- Risk factor for new cases of asthma in children
- Responsible for 150,000 to 300,000 lower respiratory tract infections – such as bronchitis and pneumonia - in infants and children less than 18 months of age

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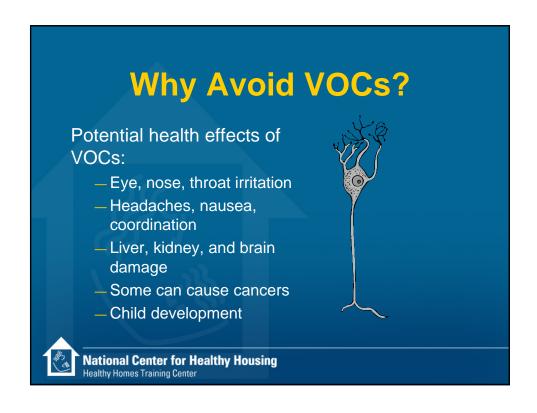
Volatile Organic Compounds

- Air Fresheners
- Cleaning Products
- Sprays & Coatings
- Formaldehyde
- Carpets
- Vinyl Floors
- Drywall
- Hobbies
- Home Maintenance





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7 Healthy Homes Principles Keep It: 1. Dry 2. Clean 3. Ventilated 4. Pest-Free 5. Safe 6. Contaminant-Free 7. Maintained National Center for Healthy Housing Healthy Homes Training Center



Maintenance

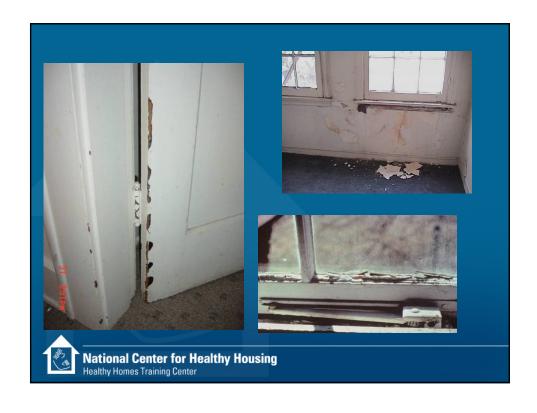
- Solid waste
- Water supply
- Sewer system
- Heating/cooling/dehumidification/ humidification
- Cooking
- Ventilation
- Rainwater control/drainage
- Structural integrity
- Storage / Organization



Lead and Lead-Based Paint

- Peeling, Chipping Paint / Deteriorated Paint
- Dust
- Soil
- Drinking water
- Consumer Products such Pottery, Cribs, Jewelry, Candle Wicks
- Cultural Items
- Contaminated Sites



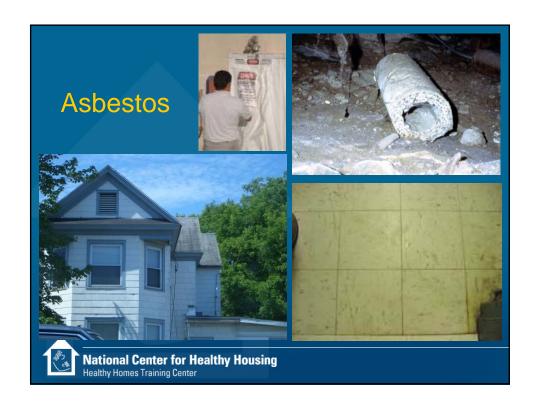


Why Avoid Lead?

- Reduced IQ
- Learning disabilities
- Impaired hearing
- Reduced attention spans, behavior problems
- Anemia
- Kidney damage
- Damage to central nervous system
- Coma, convulsions, death



Lead: Age of Housing Matters Year House Was Built Before 1940 87 percent 1940-1959 69 percent 1960-1978 24 percent All US Housing Stock National Center for Healthy Housing Healthy Homes Training Center

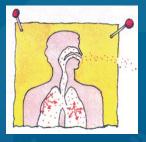


Why avoid asbestos?

- Health effects:
 - Lung Cancer
 - Mesothelioma
 - Asbestosis
- Smokers are at greater risk!

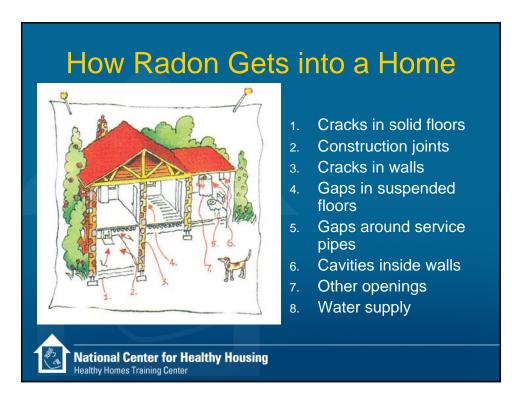


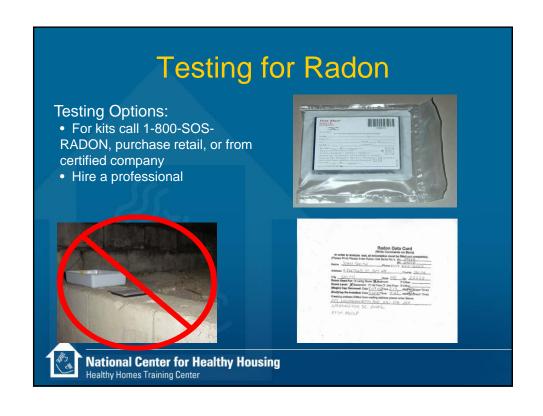
Radon – A Serious Health Concern



- Radon is a naturally occurring gas produced by the breakdown of uranium and radium in ground.
- Radon
 - 2nd leading cause of lung cancer after smoking with more than 20,000 deaths annually
 - Leading cause of lung cancer in nonsmokers and people who have never smoked.







Keep It Maintained – What You Can Do

If you rent or own

- Call your landlord as soon as you notice moisture, pests, or holes.
- If your toilet overflows report it to your landlord immediately.
- If you own, replace furnace filters on a regular basis.
- Clean the grease filter on your stove's range hood.
- In the spring and fall, check gutters and downspouts for clogs caused by leaves.
- Watch for freezing pipes that crack and leak. Fix if you own. Contact your landlord if you rent.
- Test children under age 6 for lead exposure.
- If your home was built before 1978 and paint is peeling or flaking, have it tested for lead.
- Before remodeling work, check for leadbased paint.

If you rent, your landlord should:

- Fix leaks or water damaged areas.
- Fix all cracks and holes.
- Help get rid of pests.
- Maintain furnaces in good condition and replace filters on a regular schedule.
- Check gutters and downspouts for clogs caused by leaves.
- Fix pipes that have frozen, cracked and leaked.



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Courses Offered

- Essentials for Healthy Homes Practitioners
- Launching a Healthy Homes Initiative
- Pediatric Environmental Home Assessment
- Integrated Pest Management in Multi-Family Housing
- Healthy Homes for Community Health Workers
- Code Inspection for Healthier Homes



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Healthy Homes Specialist Credential

- National Environmental Health Association
- Essentials for Healthy Homes Practitioners as preparation



- Fee \$205, \$150, \$75
- Five Years Experience
- Private and Public Sector
- 315 have received the credential already



Contact Information

Susan Aceti
National Center for Healthy Housing
10320 Little Patuxent Parkway, #500
Columbia, MD 21046
443-539-4153
saceti@nchh.org

