





# National Healthy Homes Training Center and Network Keep It Clean – Essentials for Healthy Homes Practitioners Course





### **Healthy Cleaning**

- Don't dry dust or dry sweep
- Vacuuming:
  - —Low-emission vacuum with beater bar
  - —Very slowly (or use vacuum with dirt finder)
- Wet cleaning:
  - —Use "elbow grease"
  - —Frequently change water



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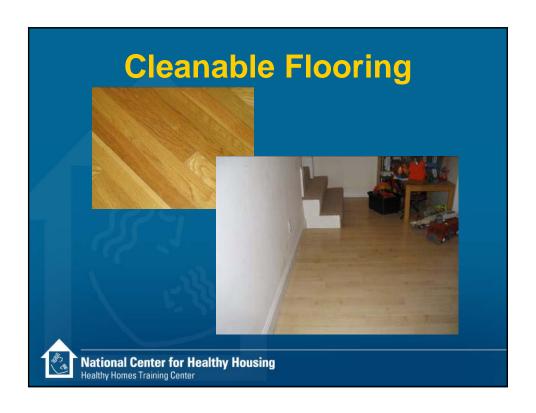
# What can we do to buildings to make them more cleanable?

- Install dust walk-off systems at entryways
- Keep activities which create dust away from people.
- Provide smooth, cleanable surfaces
- Provide effective storage space (to help avoid clutter)
- Choose flooring that is easy to clean
- Use vacuums that have good filtration and can be emptied quickly and thoroughly

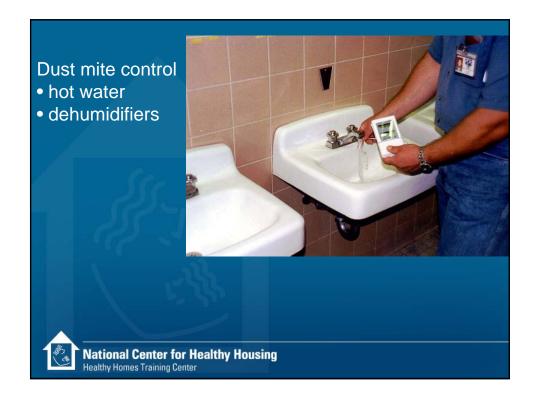


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### How clean is clean?

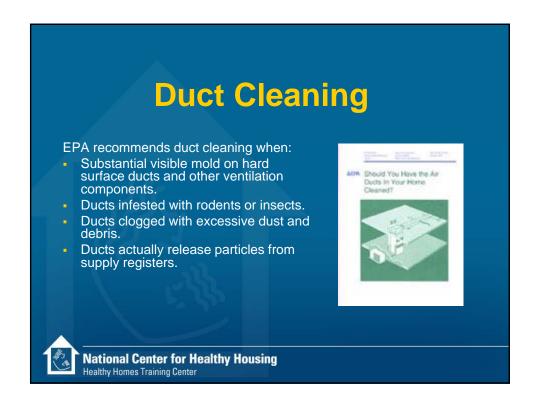
- Clearance testing for lead
  - 40 micrograms of lead per square foot on floors
  - 250 micrograms of lead per square foot on window sills.
- Standards for allergens?
- Standards for dust?

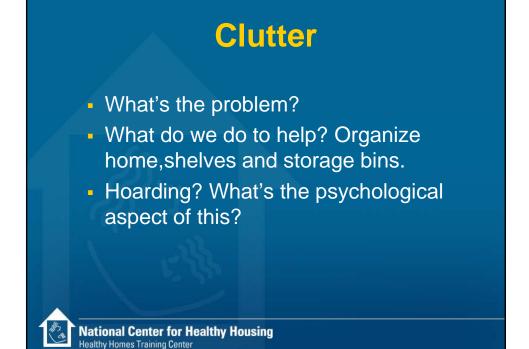


# What cleaning measures are problematic?

- Carpet cleaning
- Overuse of anti-microbials
- Sanitizers
- Air fresheners







#### **Code Requirements Related to Cleanliness**

#### 305.1 General.

- The interior of a structure and equipment therein shall be maintained in good repair, structurally sound and in a sanitary
- Occupants shall keep that part of the structure which they occupy or control in a clean and sanitary condition.
- Every owner of a structure containing a rooming house, housekeeping units, a hotel, a dormitory, two or more dwelling units or two or more nonresidential occupancies, shall maintain, in a clean and sanitary condition, the shared or public areas of the structure and exterior property.



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#### **Code Requirements Related to Cleanliness**

- 302.1 Sanitation.
  - All exterior property and premises shall be maintained in a clean, safe and sanitary condition.
  - The occupant shall keep that part of the exterior property which such occupant occupies or controls in a clean and sanitary condition.
- **307.1 Accumulation of rubbish or garbage.** All exterior property and premises, and the interior of every structure, shall be free from any accumulation of rubbish or garbage.
- **503.4 Floor surface.** In other than dwelling units, every toilet room floor shall be maintained to be a smooth, hard, nonabsorbent surface to permit such floor to be easily kept in a clean and sanitary condition.



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## **Key Messages**

- Pesticides, allergens, and general chemicals in the home can cause allergic reactions, asthma and asthma exacerbation, and toxic exposure effects.
- Potential sources of allergens and contaminants in the home come from outdoor and indoor sources.
- Keeping a home clean includes controlling the source, creating smooth and cleanable surfaces, reducing clutter, and using effective cleaning methods.



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# **Learning Objectives**

- List three contaminants or allergens that are frequently found in house dust and their health effects.
- Describe three ways allergens or contaminants get into house dust.
- Identify three strategies to reduce them.



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