Highlights of Federal Guidance and Strategies Supporting Residential Asthma Interventions

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Paul Garbe, DVM, MPH CDC National Center for Environmental Health

> Peter J. Ashley, DrPH HUD Office of Healthy Homes and Lead Hazard Control

To Review

- National Asthma Education and Prevention Program (NHLBI, 2007)
- Guide to Community Preventive Services (CDC, 2008)
- Federal Action Plan to Reduce Racial and Ethnic Asthma Disparities (2012)
- Advancing Healthy Housing: A Strategy for Action (2013)

National Asthma Education and Prevention Program (NAEPP) Guidelines for the Diagnosis and Management of Asthma

Effective asthma care must be comprehensive and include four key components:

- Assess and monitor asthma severity and patient ability to manage and control
- Educate to improve self-management skills of the patient and their family
- Reduce environmental exposures that worsen asthma
- > Use appropriate medications



NAEPP Guidelines: Education for self-management

- Asthma Self-Management Education at Multiple Points of Care:
 - clinic, ED, pharmacy, schools, homes
- o Tools for Asthma Self-Management:
 - asthma action plans
- $\circ\,$ Establish and Maintain a Partnership:
 - health literacy and cultural sensitivity
- o Provider Education:
 - implementing guidelines, communication techniques, clinical decision support, systems-based intervention

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NAEPP Guidelines: Recommendations on in-Home Control of Asthma Triggers

- o Evaluate the potential role of allergens and irritants
 - Identify allergen and pollutants/irritant exposures
 - Persistent asthma: use skin or in vitro testing to assess sensitivity to perennial indoor allergens
- Advise patients to reduce exposure to allergens and pollutants/irritants
 - Multifaceted allergen control educational programs provided in the home setting can help patients reduce exposure to cockroach, dust-mite, and rodent allergens and, consequently, improve asthma control.

The Guide to Community Preventive Services

- Established by HHS in 1996 and administered by the CDC
- o Directed by the Task Force on Community Preventive Services (non-federal organization)
- Conducts rigorous systematic reviews of evidence for community interventions
- Conducted a review of home-based, multitrigger, multi-component interventions with an environmental focus to improve asthma control in children and adolescents (completed: 2008)
- o http://www.thecommunityguide.org



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Community Guide Conclusions (1)

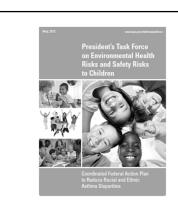
- o For children and adolescents:
 - > Multi-component, multi-trigger home-based environmental interventions are effective in improving overall quality of life and productivity in children with asthma.
 - > The benefits of these interventions can match or exceed their program costs
- o For adults:
 - >The effectiveness of the these interventions are inconclusive due to the small # of studies and inconsistent results.

Community Guide Conclusions (2)

- Home-based: at least one home visit conducted by someone with training or experience
- Multi-component: at least two components (asthmarelated education, self-management, env. remediation, social services, coordinated care), including at least one environmental component:
 - Environmental AssessmentEnvironmental Remediation

 - Environmental Education
- Multi-trigger: targets two or more potential asthma triggers

Environmental Remediation Intensity Minor Moderate Major Dehumidifiers Environmental New form of HVAC HEPA filters Pillow and mattr Re-roofing covers Integrated pest managemen Removal of water day Minor repairs



Asthma Disparities Action Plan Received a High Level Launch (May 31, 2012)



President's Task Force on Environmental Health Risks and Safety Risks to Children

Organization:

• Cabinet level, inter-agency task force co-chaired by the EPA Administrator and DHHS Secretary

TF Mission:

- Identify priority issues of environmental health and safety risks to children that can best be addressed through interagency
- Recommend and implement interagency actions
- Communicate to federal, state, and local decision makers information to protect children from risks

Priority Areas:

- Asthma Disparities
- Settings where children live, learn, and play (e.g., healthy homes)

Focus of the Action Plan to Reduce Racial and Ethnic Asthma Disparities

The focus of the plan is on: "preventable factors that contribute to disparities in the burden of asthma", including:

- Barriers to the implementation of guidelines-based asthma care:
 - Medical care factors
 - Physical and psychosocial environmental factors
- Lack of <u>local capacity</u> to deliver community-based, integrated, comprehensive asthma care
- Gaps in capacity to identify and reach children most at risk



Strategy 1: Reduce barriers to the implementation of guidelines-based asthma management

Priority Actions:

- 1.1 Explore strategies to expand access to asthma care services
 - including: <u>patient education</u>, <u>home interventions</u>, medications, subspecialty services when needed
- 1.2 In health care settings, coordinate existing federal programs in underserved communities to improve the quality of asthma care
- 1.3 In homes, reduce environmental exposures
- 1.4 In schools and child care settings, implement asthma care services and reduce environmental exposures

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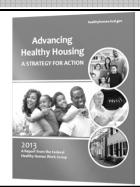
Strategy 2: Enhance local capacity to deliver integrated, comprehensive care

Priority Actions:

- 2.1 Promote cross-sector partnerships among federally supported, community-based programs targeting children with a high burden of asthma.
 - (e.g., tobacco control, obesity prevention, radon, healthy homes, weatherization, lead hazard control)
- 2.3 Conduct research to evaluate models of partnerships that empower communities to identify and target disparate populations and provide comprehensive, integrated care at the community level.

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Advancing Healthy Housing: A Strategy for Action

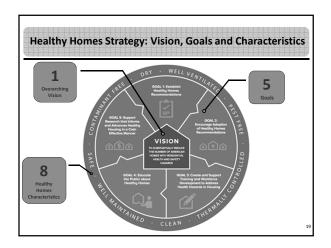


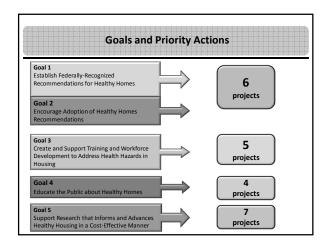
Advancing Healthy Housing: A Strategy for Action

- Released on Feb. 4, 2013 by the President's Task Force on Env. Health/Safety Risks to Children
- · Interagency press event with Cabinet-level support
 - HUD Secretary
 Shaun Donovan
 - EPA Administrator (former)
 - Lisa Jackson
 U.S. Surgeon General (former)
 - Dr. Regina Benjamin
 Deputy Secretary of Energy
 - Council on Environmental Quality Chair
 - Nancy Sutley



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Healthy Homes Strategy: Priority Actions of Particular Relevance for Summit

- * Strengthen federal efforts to reduce public health risks in housing.
- * Support pilot projects to incorporate healthy homes concepts into existing federal programs.
- Strategically target healthy homes activities to support the needs of underserved populations.
- * Acknowledge and incorporate work promoting approaches that support health equity.
- Encourage pilots or demonstration programs that advance healthy housing.

Thank you!

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The Federal Action Plan to Reduce Asthma Disparities is available at: www.epa.gov/childrenstaskforce

The Healthy Homes Strategy for Action is available at:

http://portal.hud.gov/hudportal/HUD?src=/program_offices/hea_lthy_homes/advhh

Contact:

Paul Garbe: PGarbe@cdc.gov

Peter Ashley: Peter.J.Ashley@hud.gov

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