

Partnership and Community-based Programs: Reducing health risks associated with indoor environments

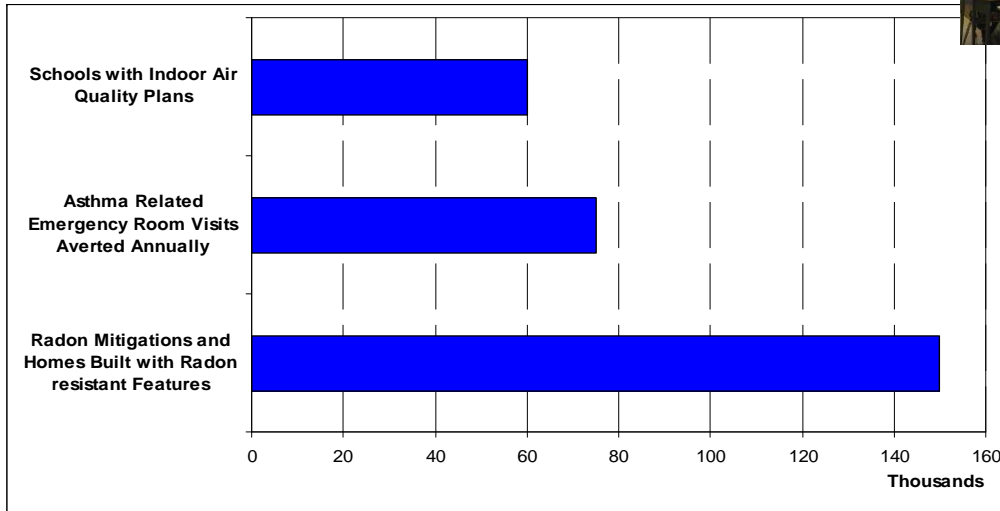
Presentation for
CAAAC workgroup

Alisa Smith, OAR/ORIA
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ORIA's voluntary approach reduces high public health risks by equipping a network of partners to take action.



More than 50% of Schools nationwide with IAQ management programs



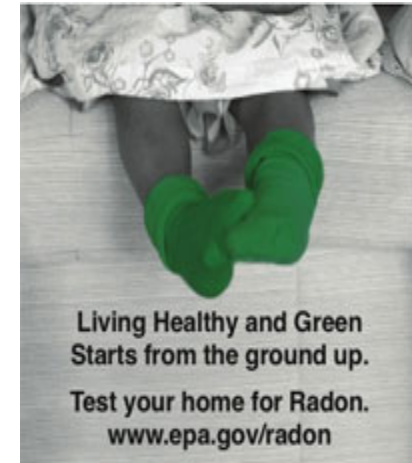
Children exposed to secondhand smoke in homes reduced from 27% to 8%



Approx. 900 lives are saved annually

Radon

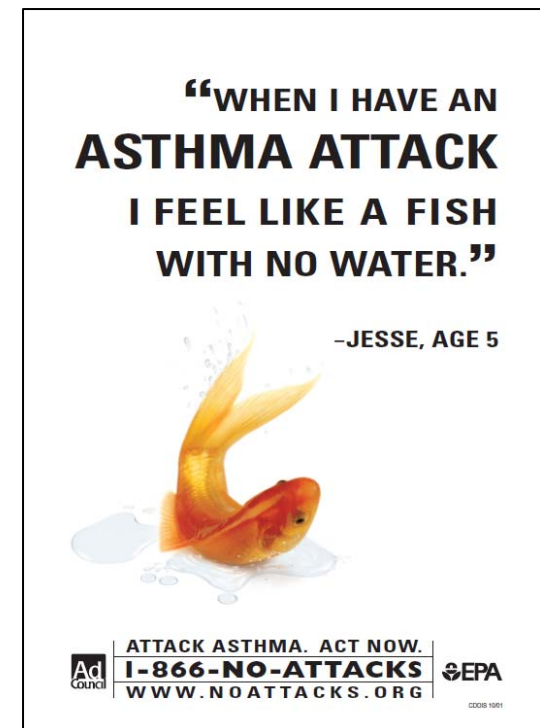
- **20,000+ Deaths Per Year**
 - Second-leading cause of lung cancer
 - 13% of all lung cancers
 - 1 in 15 homes high in U.S. – some states with much bigger problem
- **Protect Your Family at Home and at School**
- **Major Unaddressed Risk for Low-income families**
- **Efficient Program:**
 - 8-1 benefit to cost ratio
 - \$400K per life saved for mitigation; \$80K for Radon Resistant New Construction-RRNC
- **Results:**
 - Since the program's beginning, there have been total of about 8,400 total cumulative future lives saved (1986 through 2009) about 926,000 mitigations (1986 through 2009), and 1,160,000 homes built with RRNC in Zone One (1990 through 2009).
 - In 2008, an estimated 66,000 homes were mitigated for elevated radon levels and 67,000 homes built with radon-reducing features.
 - While roughly 2 million homes have radon reducing features, about 6 million high homes have yet to be fixed.



Asthma

Integrating Environmental Management at All Points of Care and Building Community Capacity

- **Multi-faceted program:**
 - Public service advertising campaigns
 - Health care / Health plan partnerships
 - Communities in Action – network of community-based programs and NGOs
- **Partnerships:** CDC, NIH, HUD
- **Program Results:**
 - 5.3M people taking essential actions
 - Avoid 75,000 emergency room visits annually
 - 500 community-based programs participate online
 - 27% of health plans support environmental management
 - 4500 health care professionals trained annually



Indoor Air Quality Tools for Schools Program

- Indoor air quality impacts student health, productivity and academic achievement.
 - 1 in 10 school-aged children have asthma
 - 13 million missed school days annually due to asthma
- Proven approach for preventing and resolving environmental risks in schools. Significant program results:
 - 60,000 schools (51% of US schools) have IAQ Management plans
 - 85% base those plans on IAQ Tools for Schools
 - Benefits include reduced absenteeism, fewer asthma episodes, increased workplace satisfaction
- Integrates other important risk reduction programs: School Chemical Cleanout Campaign, IPM in Schools, Asthma Management in Schools
- Showcase projects in Philadelphia, Memphis, New Orleans, Lake Zurich (IL), Castleton on Hudson (NY).



IAQ Specifications and Building Initiatives: Indoor airPLUS

- **Voluntary partnership** with building industry to promote healthier homes
- Co-labeled with **ENERGY STAR** and **Green Programs**
- **Science-based** construction specifications address asthma triggers, radon, mold, chemicals
- 400 partners in 50 states and 700 homes built with IAP label since launch in April 2009



Partnership for Clean Indoor Air

- **3 billion people** burn solid fuels for cooking and heating
- **4th leading cause** of premature death in developing countries
- **373 Partner organizations** working in 120 countries to increase the use of clean, efficient, affordable, reliable, and safe cooking technology and fuels (Partnership with State Department)

