

Session Objectives:

- Better understand the impact between home performance and health
- Learn from the body of work that has been already done relating to home performance and health
- Gain insights from the barriers involved with home performance and health

Health and Home Performance Initiative

Identify and leverage substantiated benefits to occupant health from home performance improvement:

- Literature review (National Center for Healthy Housing)
- Roadmap to leverage home performance-health connection to grow industry
- Create consumer marketing directed at stakeholders identified as key to the process



Literature Review Overview



- **Goal:**

- Investigate impact of home performance measures on resident health

- **Objectives:**

- Build the case for contractors and home performance advocates so they can:
 - Educate home performance clients
 - Educate current funders (utilities, DOE)
 - Educate medical community

Current Status



- NCHH has summarized 38 studies so far:
 - Green rehab-new construction/gen rehab (11)
 - Ventilation (8)
 - Weatherization (6)
 - General energy conservation/heating (3)
 - Insulation (2)
 - Lighting (1)
 - Other housing (moisture/mold/safety) (4)
 - Stand alone air cleaners (3)

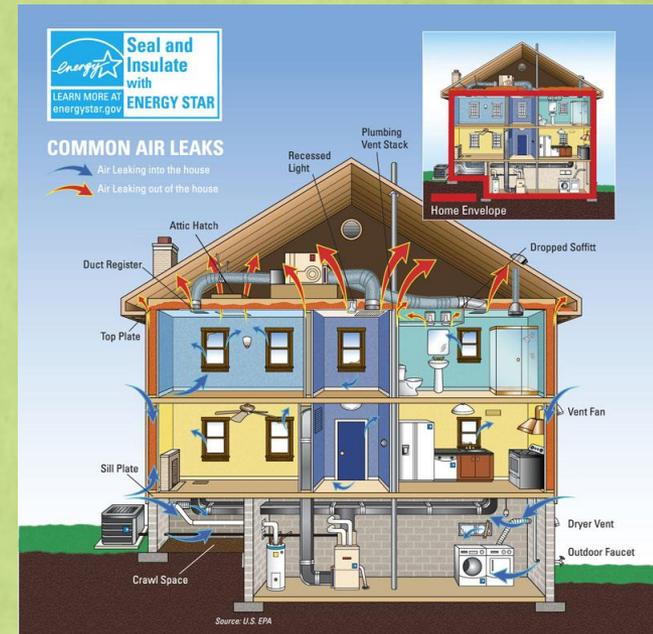
Home Performance Improves Health



#1:

Upgrade packages (air sealing, insulation, & ventilation):

- Resident health improves.
- Concerns re homes being too-tight dispelled by our findings.



Some evidence of the positive impact of individual activities



#2

Most research looks at packages of activities:

- In some studies, researchers compared individual activities within a package (e.g., differences in mechanical ventilation).

Opportunities for Additional Services



#3:

Other activities Home Performance contractors may consider as add-ons investigated:

- Examples could include: room air cleaners or low-cost injury prevention services.

Preliminary Observations



- Most work includes likely ***home performance activity***.
- ***Green renovations*** go beyond standard packages, but ***ventilation upgrades & moisture controls*** arguably have ***greatest health impact***.
 - Exception: No smoking policy studies.
- Studies with ***low-income residents*** made up about ***half*** of the results. Impact is open to discussion.
- Studies included ***multifamily units (all or partial)*** in ***~2/3rds*** of results. Again, impact open to discussion.
- Report includes mix of domestic & foreign studies. Some ***foreign studies have limitations*** due to different housing stock.

Identifying the Gaps

- The literature review is one step:
 - Find data and evidence to build the case
 - Identify research gaps that should be filled
- Data and evidence just one part – Your help needed
 - What other messaging gaps exist re value of home performance to improve health & take action
 - Simple messaging
 - Stories to reach various audiences

Stakeholder Engagement

Your feedback has been great,
AND we need more of it.

- We will be doing outreach in coming months to hear more.
- Let us know your thoughts about this stakeholder engagement.

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For More Information

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