Define Your Impact Goal

✔ “Let’s do healthy homes” isn’t enough
✔ What is the health-related issue that you can address?
  • Trip and fall hazards
  • Asthma/COPD/Respiratory
✔ Highlight the Social Determinants of Health your program can address
Define Your Impact Goal

- Don’t get bogged down in the perfect approach.
  - Do it once. Do one home.
- Look for funds and do some measures, educate the family, inform their health provider
- Precedent has already been set
  - Existing program $ for health & safety
    (CO detectors, bath fans, etc.)
- Use your existing program for design guidance
Key Features: Energy + Health

The same players in a typical LMI program can add this into the work they do:

Typical Outreach
- Health Screening Questions
- Doctor Referrals into Program

Home Energy Assessment (HEA)
- BPI Healthy Home Evaluation

Typical EE Measures
- Health Measures

Typical QA/QC
- Drop Off and Collection of IAQ Monitors
Customer Acquisition

- Doctors have limited attentional resources, esp in pandemic
- Success nonetheless
- Key: find a champion
  - Put marketing and surveys out
    - Specific wording you can use that avoids HIPAA concerns

Non-medical ways to find kids with asthma
- Head Start
- School nurses
- Lead Exposure programs
- Asthma Coalitions
- Community orgs focused on specific SDOHs
Measures

- Don’t overcomplicate your first program
- Can be as small as 1 measure, for 1 home
- Start with deliverables
  - air purifiers, filters, dehumidifier, HEPA vacuum, HEPA bed covers
- Caution: Cleaning kits seem easy, but are behavioral
  - need staff/nurses/program advocate
  - follow-up messaging campaign
- More complex if you have funding
  - Carpet removal/hard surface flooring replacement, integrated pest management, etc.
- Plan for difficult conversations
  - hoarding & decluttering, asthma & household smoking
Measuring Impact

✔ Borrow credibility

✔ Don’t recreate studies already done
  - Use your residential efficiency “machine”

✔ All sorts of equipment:
  - Air quality monitors
  - Sensors on some smart thermostats

✔ Context-dependent measurement tools
  - Asthma Control Test (ACT) affected by quarantine

✔ Don’t let perfection be the enemy of the good
Healthier Homes: Brings Health + Indoor Air Quality into Design

1. Referrals from healthcare via simple online survey
2. Energy Assessment + Healthy Homes Evaluation
3. Energy savings recommendations + health-related items (air purifier, HEPA vacuum)
4. Contractor installs insulation, heating system + health-related risks (pest & moisture control, carpet removal, fall-prevention repairs)
5. Indoor Air Quality (IAQ) monitor data is aggregated by Pacific Northwest National Labs (Dept. of Energy)
Thank you

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