

# Building a National Network of Qualified Healthy Home Evaluators

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*Raising the Bar in Home Performance Contracting*

Okay, so this probably isn't your house.



But, this probably is.







# Emerging Trend Toward *Healthy Housing*

Of the **21.8 million** people reported to have asthma in the U.S., approximately **4.6 million** cases are estimated to be attributable to dampness and mold exposure in the home.

## Prevent Childhood Lead Poisoning

### The Impact

**535,000**

U. S. children ages 1 to 5 years have blood lead levels high enough to damage their health.



**24 million**

homes in the U.S. contain deteriorated lead-based paint and elevated levels of lead-contaminated house dust.



**4 million** of these are home to young children.

It can cost

**\$5,600**



in medical and special education costs for each seriously lead-poisoned child.



Visit [www.cdc.gov/nceh/lead](http://www.cdc.gov/nceh/lead) to learn more.

# Medicaid: Essential Benefit Rule

New Language- Preventive services must be *recommended* by a physician or other licensed practitioner of the healing arts within the scope of their practice under state law

*Preventive services means services **recommended by** a physician or other licensed practitioner of the healing arts acting within the scope of authorized practice under State law to - 1) Prevent disease, disability, and other health conditions or their progression; 2) Prolong life; and 3) Promote physical and mental health and efficiency*

# The Future of Health Care is *Changing*

For Medicaid patients, the proposed new rules allow for home assessment services by a non-clinical, licensed person.

**This means reimbursement is available for  
healthy home assessments!**

Dept. of Health & Human Services, Final Rule on  
Essential Health Benefits, February 2013

# A Shift in Health Care Services

Active conversations among DHHS/CMS and state Medicaid offices around the country:

- What will be the process?
- What will be the procedure?
- How much is allowable?
- Who will perform the work?
- What credentials will they need?
- **Is the upgrade work reimbursable?**

(States currently working on some kind of program:  
CT, KS, KY, MA, MD, MI, MO, NY, OH, OR, PA, TX, WA)

ACA also introduced financial penalties for hospitals for repeat admissions. Asthma is high for repeat admissions.

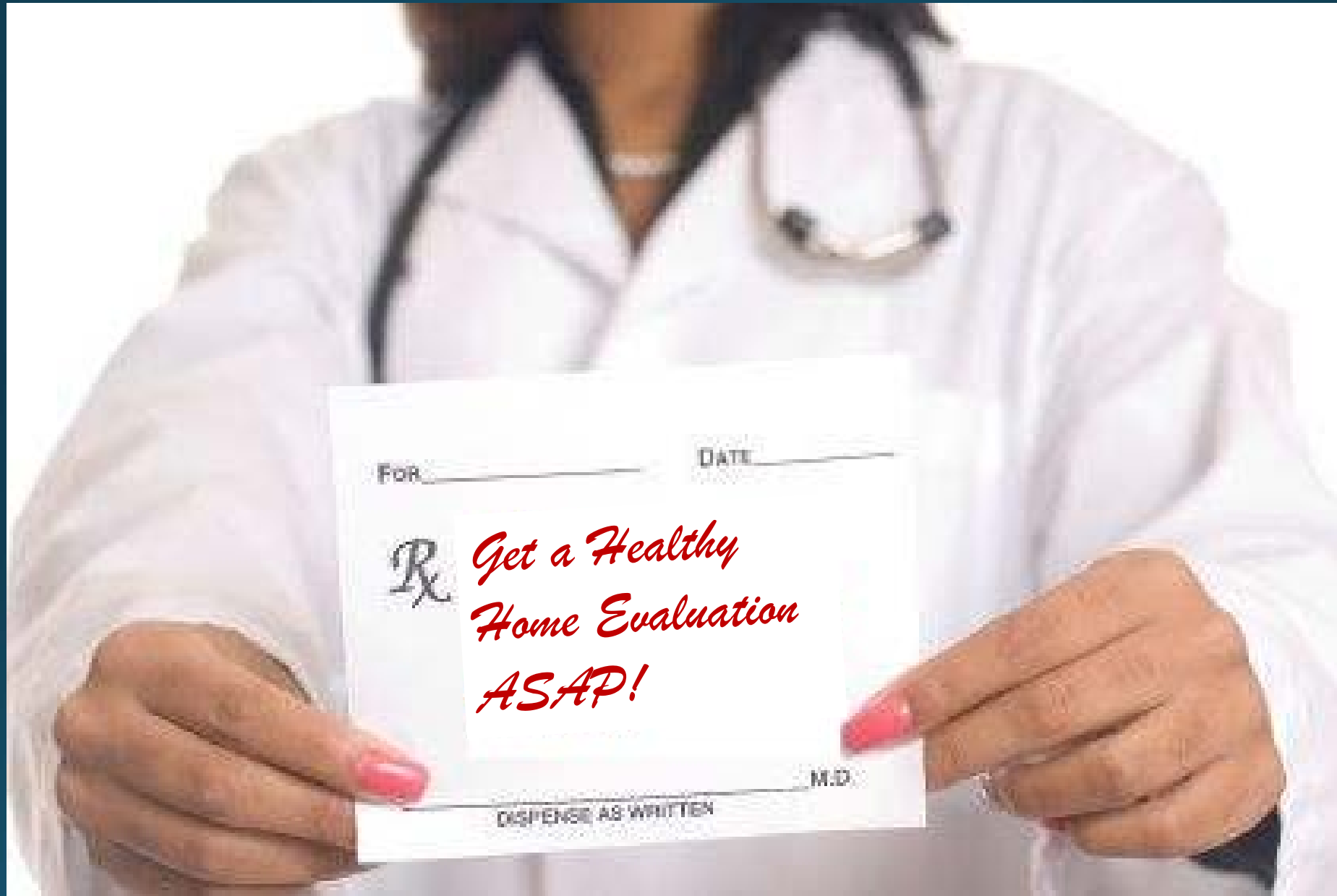


*So, is this your house?  
Or the house of one of  
your customers?*

*Or, is it more like this?*







FOR \_\_\_\_\_ DATE \_\_\_\_\_

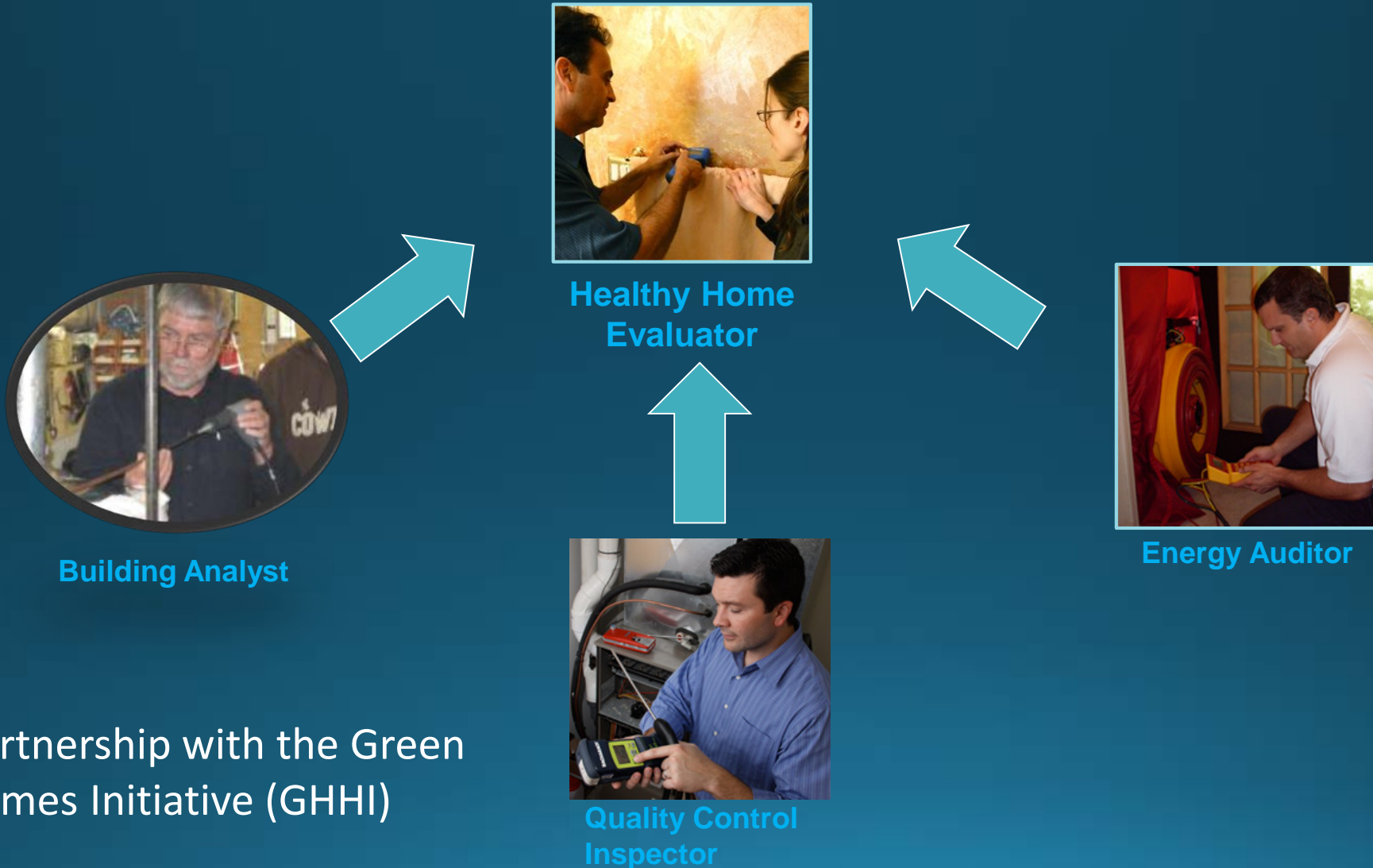
*R*

*Get a Healthy  
Home Evaluation  
ASAP!*

DISPENSE AS WRITTEN

M.D.

# The *Healthy Home Evaluator* Credential



Created in partnership with the Green & Healthy Homes Initiative (GHHI)



# Scope of HHE Credential

- The *Healthy Home Evaluator* micro-credential builds upon the knowledge of the certified BPI Building Analyst professional, the BPI Energy Auditor, or the BPI QC Inspector by establishing the competencies required to conduct an in-depth healthy home environmental risk assessment.
- The *Healthy Home Evaluator* assesses and characterizes home-based environmental health and safety hazards by integrating qualitative observations with quantitative diagnostics to determine and prioritize recommendations that address existing and potential hazards.
- The *Healthy Home Evaluator* communicates the identified risks and hazards to the occupant with the goal of improving health and quality of life.



# HHE: Prime Domains

- Principles of a Healthy Home (8-10%)
- Data Collection (38-42%)
- Analysis and Interpretation (18-20%)
- Recommendations and/or Scope of Work (18-20%)
- Communication and Client Education (5-10%)
- Personal Safety, Insurance and Liability (8-10%)



# Job Task Analysis

## I. Principles of a Healthy Home (i.e., Keep it Healthy)

A. Understanding of the key components to keeping a home healthy by maintaining an environment and structure that is:

- i. Dry
- ii. Clean
- iii. Pest-free
- iv. Safe
- v. Contaminant-free
- vi. Ventilated
- vii. Maintained
- viii. Energy-efficient

# Job Task Analysis (cont)

## II. Data Collection

- A. Environmental history taking (considering both persons and home; e.g., behavioral, health literacy, language and readability)
- B. Qualitative and quantitative assessment
  - 1. Qualitative assessment (e.g., visual, sensory, semi-quantitative)
    - a. Knowledge of building and surroundings (including structure)
    - b. Knowledge of mechanical equipment/systems
    - c. Knowledge of condition and locations of appliances
    - d. Knowledge of general room assessment, such as:
      - i. Air-flow and circulation
      - ii. Allergens and dust
      - iii. Moisture control
      - iv. Chemical exposure
      - v. Safety and injury prevention
      - vi. Safety data sheet
  - 2. Quantitative assessment
    - a. Measurement
      - i. Air-flow / Envelope
        - a) Knowledge of the application of limited pressure mapping/series leakage
        - b) Exposure pathway assessment
        - c) Knowledge of duct leakage diagnostics
        - d) Knowledge of limited HVAC system flow
      - ii. Moisture control
        - a) Knowledge of indoor RH
        - b) Knowledge of moisture mapping
        - c) Knowledge of conditions for microbial colonization/moisture level
    - b. Basic concepts and principles related to environmental sampling (e.g., VOC, formaldehyde, radon)
      - i. Knowledge of basic sampling techniques, such as:
        - a) Chemical
        - b) Biological

# HHE Certification Scheme Handbook

Help Break the Link Between Unhealthy Housing and Unhealthy Families: Earn the Healthy Home Evaluator (HHE) Credential



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 [Download the HHE Certification Scheme Handbook](#)

 [Click Here For HHE References](#)

[www.bpi.org/hhe](http://www.bpi.org/hhe)

# Curriculum Development and Train-the-Trainer

- Development of a model curriculum for trainers to use in preparation for the Healthy Home Evaluator exam
- Piloted in Kansas City through Children's Mercy Hospital (9/7-9/16)
- A “super” train-the-trainer session with 6-10 individuals is anticipated for early December
- “Super” train-the-trainers will take the curriculum to the BPI Test Center network of over 150 training organizations
- HHS and BPI investigating ways to better integrate their testing networks

Led by Healthy Housing Solutions with funding support from the U.S. Department of Housing and Urban Development



# Questions?

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