

## Green & Healthy Homes Initiative Training Modules

The Green & Healthy Homes Initiative (GHHI) maintains a staff of highly qualified and experienced training providers who offer dynamic and informative training courses. GHHI's trainings are unique in that they are conducted by leading program managers and technical assistance providers who are content experts but who also share insightful experiences, strategies, and lessons learned directly from their personal work in the various GHHI fields. Training modules offered by GHHI include:

### 1. Advanced Healthy Homes Training

Description: In-depth training provided on the 8 Principles of a Healthy Home as well as the Green & Healthy Homes Model that comprehensively integrates Healthy Homes practices, lead hazard control, and energy efficiency/weatherization upgrades. Training utilizes HUD, EPA, CDC, GHHI and other national best practices guidance. On the second day, the training includes a hands-on field exercise where participants experience firsthand how to recognize, evaluate and then address home-based environmental health and safety hazards as well as home performance issues.

#### Training Topics

- Moisture and mold issues
- Lead-based paint hazards
- Household chemicals (VOCs, asbestos, radon)
- Ventilation to address IAQ issues
- Safety hazards and household injury risks
- Household pests & Integrated Pest Management
- Sanitation and domestic hygiene
- Home maintenance issues
- Energy efficiency, weatherization and comfort
- Resident & post remediation education
- Risk management approach to Healthy Homes
- Holistic hazards control measures

#### Target Audiences

- Health and safety home assessors
- Community health workers
- Energy efficiency/weatherization professionals
- Healthy housing professionals
- Environmental health specialists
- Public health students and professionals
- Certified home inspectors
- Housing professionals

### 2. Comprehensive Health, Safety and Energy Efficiency Assessments and Interventions

Description: One day of training on the root causes and health and safety impacts of home-based environmental hazards commonly encountered by Healthy Homes and energy efficiency/weatherization personnel, hazards that often result in client deferrals under current program practices. This is followed by in-depth understanding and application of the Comprehensive Environmental Housing Assessment and Intervention Model. On the second day, the training session includes a hands-on field exercise on the identification, prioritization and development of risk management strategies to address these hazards.

#### Training Topics

- Moisture issues and ventilation
- Lead-based paint hazards and control
- Asbestos and radon hazards and control
- Fire and electrical hazards and control
- Combustion by-products (CO, PM, NO<sub>2</sub>, etc.)
- Injury prevention for children and older adults
- Household asthma triggers (mold, dust, etc.)
- Household pests & Integrated Pest Management
- Ventilation requirements for and IAQ
- Household chemicals (VOC's, pesticides, etc.)
- Convergence of home performance and health
- A healthy home is a disaster resilient home
- The comprehensive assessment process
- Hazards prioritization and risk management
- Sustainable intervention measures
- Developing a prescriptive scope of work
- The quality control process
- Home assessment tools

### Target Audiences

- Housing health and safety assessors
- Community health workers
- Energy auditors/weatherization professionals
- Healthy housing professionals
- Environmental health specialists
- Public health students and professionals
- Certified home inspectors
- Housing and building science professionals

### 3. Asthma Triggers Assessments and Interventions

Description: In-depth, asthma-specific training on how the GHHI Comprehensive Health and Safety Housing Assessment and Intervention Model is applied for identifying, assessing, and addressing environmental asthma triggers and other indoor air quality concerns in the home. This training is composed of one full day of classroom education on the root causes, exposure routes, health impacts, and control measures of environmental asthma triggers commonly encountered by Healthy Homes programs. On the second day, the training session includes a hands-on field exercise where participants experience firsthand how to identify, evaluate, and prioritize environmental asthma triggers in a home. This is followed by a discussion, analysis and development of cost-effective strategies to address asthma triggers found during the exercise.

### Training Topics

- Asthma triggers 101: allergens vs. irritants
- Moisture, mold and dust mites
- Cockroaches, mice, rats, and IPM
- Household chemicals (VOCs, pesticides, etc.)
- Combustion by-products: NO<sub>2</sub>, CO, PM<sub>10</sub>, PM<sub>2.5</sub>
- Asthma triggers during the cooking process
- Household dust lifecycle and control measures
- Air cleaners vs. air purifiers
- Asthma triggers prioritization and risk management
- Developing a comprehensive scope of work
- Housing intervention measures for asthma triggers
- Asthma and emerging household hazards

### Target Audiences

- Housing health and safety assessors
- Community health workers
- Energy auditors/weatherization professionals
- Healthy housing professionals
- Environmental health specialists
- Public health students and professionals
- Certified home inspectors
- Building science professionals
- Certified pest control professionals
- Housing renovation contractors

### 4. Identification and Control Strategies for Injury Hazards in Homes

Description: In-depth, injury prevention-specific training on how the GHHI Comprehensive Health and Safety Housing Assessment and Intervention Model is applied for identifying, assessing, and addressing injury hazards that could affect children and older adults in their homes. This training is composed of one full day of classroom education on the root causes, health impacts, and control strategies for injury hazards commonly encountered by Healthy Homes programs (i.e., Trip and fall hazards, fire hazards, electrical hazards, scalds, tipping hazards, etc.). On the second day, the training session concludes with a hands-on field exercise where participants experience firsthand how to identify, evaluate, and prioritize injury hazards in a home. This is followed by a discussion, analysis and the development of cost-effective strategies to address hazards found during the exercise.

### Training Topics

- Scalding
- Trip and fall hazards
- Fire hazards
- Electrical shock hazards
- Tipping hazards
- Carbon monoxide poisoning
- Aging In place safety evaluation and measures
- Children safety evaluation and measures
- Bathroom vs. Kitchen safety
- Hazards prioritization and risk management

- Cut and Pierce hazards
- Poisoning prevention
- Comprehensive injury prevention scope of work
- Sustainable intervention measures

#### Target Audiences

- Housing health and safety assessors
- Community health workers
- Energy auditors/weatherization professionals
- Healthy housing professionals
- Environmental health specialists
- Public health students and professionals
- Certified home inspectors
- Building science professionals
- Case managers
- Housing renovation contractors

### 5. Healthy Homes Contractor Workforce Development

Description: In this training participants will learn the necessary healthy housing-related content and skills to improve their participation as contractors in healthy housing projects. This training addresses the lack of skilled contractor pool by assuring enough contractors are in place to complete the work for healthy housing programs. This training is composed of one full day of classroom education on the root causes, exposure routes, health impacts and remediation techniques of environmental hazards commonly encountered by healthy housing programs. On a second day, the training session concludes with a hands-on field exercise with participants in the identification and evaluation of environmental hazards followed by the development of strategies and selection of sustainable and cost-effective housing modifications to address such hazards.

#### Training Topics

- Moisture and mold issues
- Lead-based paint hazards
- Asbestos and radon hazards and control
- Fire hazards
- Heating and cooling hazards and control
- Home performance issues
- Injury prevention for children and older adults
- Household asthma triggers (Mold, dust, etc.)
- Ventilation requirements for IAQ
- Household pests & Integrated Pest Management
- Household chemicals (VOC's, pesticides, etc.)
- Hazards prioritization and risk management
- Understanding the project's scope of work
- The walk-through process
- Sustainable & cost-effective measures
- Sequencing of hazards remediation tasks
- Work-site safety/Personal protection equipment
- Quality Control procedures
- Comprehensive assessment tools
- Cultural etiquette/Customer service

#### Target Audiences

- Housing renovation contractors
- Weatherization workers
- Healthy housing professionals
- Students
- Community members
- Building science professionals

### 6. Healthy Homes Resident Educator Workforce Development

Description: In this training participants will learn the necessary healthy housing related content and skills to perform environmental health and safety evaluations and work with residents to determine adequate, sustainable, and cost-effective management strategies to address household hazards. This training supports efforts to prepare community health workers, housing inspectors, and related professionals to provide client support services for healthy housing programs. Instructor will complete one full day of classroom education on the root causes, exposure routes, and health and safety impacts of environmental hazards and concludes with a review of best practices to effectively incorporate this information into resident teaching protocols and material. On a second day, the training session concludes with a hands-on field exercise with participants in the identification and evaluation of environmental hazards followed by the development of sustainable strategies to address such hazards.

### Training Topics

- Moisture and mold issues
- Lead-based paint hazards
- Household chemicals (VOCs, asbestos, radon)
- Ventilation to address IAQ issues
- Safety hazards and household injury risks
- Household pests & Integrated Pest Management
- Household asthma triggers and control
- CHW Competencies
- Prepping for home visits
- Home visiting cultural etiquette
- Resident education teaching strategies and tools
- Family engagement plan (SOW)
- Hazards evaluation and management strategies
- Sustainable hazards control measures

### Target Audiences

- Health and safety home assessors
- Community health workers
- Energy auditors/weatherization professionals
- Environmental health specialists
- Public health students and professionals
- Certified home inspectors

## 7. Webinars on Healthy Home Topics

Description: In these 60-90 minutes webinars participants will learn basic healthy housing related concepts and skills to assist in the identification of the root causes, exposure routes, health impacts, and sustainable control strategies for environmental hazards. These webinars support efforts to prepare community health workers, housing inspectors, and related professionals for providing client support services for healthy housing programs.

### Training Topics

- 8 Principles of a Healthy Home
- Root causes for asthma triggers in the home
- Lead-based paint hazards and control
- Injury hazards and prevention
- Moisture and the built environment
- Asbestos and radon hazards
- Aging in place injury prevention measures
- Household dust - Root causes & health impacts
- Combustion by-products and IAQ in the home
- GHHI comprehensive housing intervention model
- Household pests & Integrated Pest Management
- Hazards prioritization & risk management process
- Energy efficiency principles for non-energy staff
- Housing weatherization and health
- Energy efficiency survey for non-energy field staff
- Emerging health concerns in the built environment
- Writing a comprehensive and prescriptive SOW
- Healthy and resilient homes after a disaster

### Target Audiences

- Health and safety home assessors
- Community health workers
- Energy auditors/weatherization professionals
- Healthy housing professionals
- Environmental health specialists
- Public health students and professionals
- Certified home inspectors
- Housing professionals

### Training Formats & Fees

- |                                      |  |             |
|--------------------------------------|--|-------------|
| • Classroom Instruction              | • Classroom instruction & field exercise | • Webinar   |
| • 1-day                              | • 2-days                                 | • 60-90 min |
| • \$2,500 + travel costs for trainer | • \$4,000 + travel costs for trainer     | • \$800.00  |

*Trainings and webinars can be customized to meet the specific training needs or locale of any client. Trainings are available in English and Spanish Language.*

Revised on 03.11.20