









# Single Portal Intake & Shared Data Platform "No Wrong Door"

- Eliminates fractured service delivery delivers maximum response
- Creates efficiencies and improves access to "care"
- One time enrollment and eligibility determination
- Increases engagement and decreases lost work time, wasted resources
- · Eliminates missed opportunities
- · Allows priority on making homes and families whole



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# Comprehensive Environmental Assessment/Energy Audit

- Single tool across agencies everyone talks the same language
- · Looks at energy, health, safety and sustainability
- Fewer home visits required and less client drop-out
- Improves targeting strategies
- Results in comprehensive Scope of Work
- Allows for better alignment and leveraging of resources

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# Comprehensive Assessment & Resident Education Together

# Environmental Assessor/Energy Auditor

- Comprehensive Environmental Assessment / Energy Audit
- Develop scopes of work for properties
- Conduct post intervention assessments and audits

#### Community Environmental Health & Energy Educator

- Conduct resident education during assessment
- Coordinate pre and post client health surveys
- Develop recommended action plans for the residents
- Coordinate referrals and follow-up client services
- Distribute GHHI Prevention Kit

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- Reduced inefficiencies of multiple contractors
- Lead hazard control and reduction
- Healthy Homes Interventions
  - Indoor allergens
  - Safety hazards
  - Other environmental health hazards
- Energy Efficiency / Weatherization



# **Current & Next Generation GHHI Sites** Current GHHI sites Potential next generati

ase Study 1



#### **Background**

- Single-family home built in 1890
- Child age 5 with poorly controlled asthma; father with asthma; mother was pregnant at time of enrollment

#### **Housing Assessment Results**

- Lead paint, mold in kitchen & basement, no handrails on steps
- Insufficient venting in bathroom & of dryer
- Overloaded circuits

## **Interventions Completed**

- Lead hazards remediated (paint stabilized, windows replaced)
- Carpeting replaced with wood flooring, furnace air purifier installed
- Plumbing leaks corrected to reduce mold/moisture, outside steps fixed

Case Study 1 continued



#### **Health Outcomes**

- Elimination of all asthma-related ED visits & hospitalizations:
  - 12 months pre-GHHI, 1 ED visit & 2 hospitalizations for asthma
  - 12 months post-intervention, NO visits to ED or hospital for
- Estimated medical cost savings: \$12,500 in first year

#### **Green Outcomes**

 Family did not qualify for weatherization at time of application for Healthy Homes program. GHHI lead partner (Community Foundation of Dubuque) will re-refer family.

#### **Project Funding**

- HUD Healthy Homes Production Program
- Project cost = \$9,820

Case Study 2



#### **Background**

- Two-family home built in 1926, owner-occupied
- Parents, 2 sons (ages 18 and 20) and 1 daughter (age 12)
- Daughter has poorly controlled asthma

#### **Housing Assessment Results**

- Unvented appliances and elevated levels of carbon monoxide
- Lack of insulation and other energy efficiency measures
- Electrical hazards

#### **Interventions Completed**

- Full insulation of walls and attic
- Water pipes insulated, weather stripping installed, new doors and windows
- Bathroom, dryer and gas kitchen stove vented
- Gutters repaired, fall prevention measures installed

Case Study 2 continued



## **Health Outcomes**

Improvements in child's asthma symptoms

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Self report measure	12 months pre	12 months post
Urgent care visits	1 time	0 times
Emergency Room visits	2 times	0 times
Nocturnal wakings (measured 1 month pre-post)	6 times	3 times

Estimated savings in avoidable medical costs for asthma: \$3,600

#### **Green Outcomes**

Pre-post survey of homeowner:

- Improvement in indoor temperature in winter from "very cold" to "comfortable"
- Lower utility bills
- Less trouble meeting expenses before GHHI homeowner had to delay mortgage payment to pay utilities 2-3 times; 0 times post

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Case Study 3



#### **Background**

- Row home built in 1954, owned by family for 34 years
- Parents, daughter and son (age 9) reside in home
- Son has poorly controlled asthma

# **Housing Assessment Results**

- Lead hazards, mold, mouse infestation
- Improper drainage, insufficient gutters & downspouts
- Inefficient water heater, lack of insulation

## **Interventions Completed**

- Carpets replaced with wood flooring, integrated pest management, air filter unit for IAQ, HEPA vacuum, mattress & pillow covers, dehumidifier
- Air sealing, wall & pipe insulation, programmable thermostat, CFLs, low flow showerhead and faucet aerators

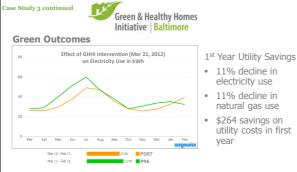
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#### **Health Outcomes**

Improvements in child's asthma symptoms

Self report measure	6 months pre	6 months post	
Described control	"Somewhat controlled"	"Well controlled"	
Calls to doctor	3 calls	0 calls	
Unscheduled doctor's visits	2 visits	0 visits	
Missed school	5+ days	0 days	
Interrupted work for caregiver	4 times	0 times	



## **Project Funding**

- DOE Weatherization Innovation Pilot Program, HUD Healthy Homes Demonstration, HUD Community Development Block Grant
- Project Cost: \$6,746



