Baltimore Data Day 2012
Shared Visions, Shared Indicators

Green & Healthy Homes Initiative™
Baltimore

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Green and Healthy Homes Initiative
Baltimore City Properties Receiving Interventions, 2009-2011

- Location of properties
- Communities with high concentrations of properties

Source: Green and Healthy Homes Initiative
Map created by BNIA-JFI, 2012
GHHI® - A Program of the Coalition to End Childhood Lead Poisoning

The Green & Healthy Homes Initiative™ is designed as a comprehensive approach to offer integrated health, safety, lead hazard reduction, energy efficiency, and weatherization interventions in low to moderate income homes.

- GHHI maximizes public and philanthropic investments for 6 major benefits:
  - Government innovation in service delivery
  - Development of sustainable community-based “green collar” jobs and social enterprise
  - Creation of stable and sustainable green and healthy homes in low-income neighborhoods
  - Measurable improvements in health outcomes for children and families
  - Wealth retention and foreclosure prevention
  - New tool development to ensure sustainable system changes
The GHHI Model

• GHHI is a systems change platform that:

  • Replaces stand-alone programs with a single intake portal to reduce inefficiencies;

  • Establishes a comprehensive assessment and intervention process through aligned housing and health programs

  • Reduces unsafe work practices and deferrals in weatherization and energy efficiency interventions through adoption of improved health and safety standards and referral systems
US Census Data

Aggregated or Population Level Statistics are Useful but do not tell the whole story…

Source: BNIA Citywide Vital Signs US Census
Asthma as an example of Health Disparities in Baltimore

Asthma Hospitalization Rates by Race
Baltimore City vs. Maryland, 2009

Asthma Hospitalization Rates by Age, Baltimore City vs. Maryland
and Healthy People 2010 Goals, 2009

Source: MD Asthma Control Program (DHMH) Jurisdiction Profile: Baltimore City August 2011
Lead Poisoning

Percent of Children with Elevated Blood Lead Levels in Baltimore City

<table>
<thead>
<tr>
<th>Age Group</th>
<th>≤4</th>
<th>5-9</th>
<th>10-14</th>
<th>15-19</th>
<th>20-24</th>
<th>≥25</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>Under One</td>
<td>1,507</td>
<td>54</td>
<td>5</td>
<td>1</td>
<td>2</td>
<td>1,569</td>
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<tr>
<td>One Year</td>
<td>6,169</td>
<td>531</td>
<td>66</td>
<td>23</td>
<td>15</td>
<td>6</td>
<td>6,810</td>
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<tr>
<td>Two Years</td>
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<td>589</td>
<td>62</td>
<td>13</td>
<td>12</td>
<td>8</td>
<td>5,834</td>
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<tr>
<td>Three Years</td>
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<td>299</td>
<td>41</td>
<td>6</td>
<td>4</td>
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<td>2,427</td>
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<tr>
<td>Four Years</td>
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<td>190</td>
<td>16</td>
<td>9</td>
<td>2</td>
<td>1</td>
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<td>14</td>
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<td>204</td>
<td>54</td>
<td>37</td>
<td>19</td>
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<table>
<thead>
<tr>
<th>Age Group</th>
<th>≤4</th>
<th>5-9</th>
<th>10-14</th>
<th>15-19</th>
<th>20-24</th>
<th>≥25</th>
<th>Total</th>
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<tr>
<td>Under One</td>
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<td>2</td>
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<td>955</td>
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<td>62</td>
<td>21</td>
<td>15</td>
<td>6</td>
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<td>11</td>
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<td>4</td>
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<td>191</td>
<td>50</td>
<td>36</td>
<td>18</td>
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Source: State Department of the Environment, Lead Poisoning Prevention Program

Source: BNIA Citywide Vital Signs Child & Maternal Health Indicators

Source: MDE Childhood Blood Lead Surveillance in Maryland 2010 Annual Report
Community Statistical Areas

Belair-Edison CSA

Percent of children with elevated blood lead levels

Percent of children age 0-6 with elevated blood lead levels in each zipcode that year.

Source: State Department of the Environment, Lead Poisoning Prevention Program

<table>
<thead>
<tr>
<th></th>
<th>Belair-Edison</th>
<th>Baltimore City</th>
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<tbody>
<tr>
<td>2006</td>
<td>6.60</td>
<td>4.76</td>
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<td>2007</td>
<td>0.00</td>
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<td>2010</td>
<td>7.50</td>
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<tr>
<td>Change</td>
<td>0.90</td>
<td>-3.17</td>
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Source: BNIA Community Profiles Belair-Edison CSA http://www.bniajfi.org/vs/indicators/87?csa=3
Utility Bill Analysis & Tracking Energy Savings

Actual Cost Savings of 31% $788 per 1000 square feet

Actual Energy Conserved 36% 17Kwh per square foot decrease
“Breaking the link between unhealthy housing and unhealthy children”

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