Clean and Affordable Energy Conference

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GHHI’s opportunity for innovation: healthcare through housing

30M families live in unhealthy homes

Homes with environmental hazards are making their residents sick

14.4M missed days of school each year

Asthma is the top reason students miss school

14.2M missed days of work each year

Collateral burden of sick children is missed days of work for parents and caretakers

$51B+ spent on asthma

$31B+ spent on slip & fall injuries

$43B+ spent on lead poisoning

Over $100B in taxpayer funding is spent each year to address the impact of these hazards

Extremely Low income families spend 20% of monthly income on energy costs VS. 3.5% in other households

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GHHI’s innovation: No Wrong Door

Align
services & funding

Braid
relevant resources

Coordinate
service delivery

- Single Intake System
- Comprehensive Assessment
- Coordinated Services
- Integrated Interventions
- Cross-Trained Workers
- Shared Data

✓ Lead Hazard Reduction
✓ Asthma Trigger Control
✓ Fall/Injury Prevention
✓ Energy Efficiency
✓ Weatherization
✓ Housing Rehabilitation

Philanthropy
Federal/State/Local
Private Sector
Scaling Best Practices and Innovation: GHHI’s National Work
## GHHI Maryland Asthma Interventions

<table>
<thead>
<tr>
<th>Group</th>
<th>Referrals Contacted</th>
<th>Environmental Assessments</th>
<th>Interventions Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td>1330</td>
<td>362</td>
<td>270</td>
</tr>
<tr>
<td>Tier 1</td>
<td>700</td>
<td>144</td>
<td>144</td>
</tr>
<tr>
<td>Tier 2</td>
<td>630</td>
<td>218</td>
<td>126</td>
</tr>
</tbody>
</table>

### Program Cost by Level of Intensity

<table>
<thead>
<tr>
<th>Group</th>
<th>Cost/Person</th>
<th>Number Served</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td>$2,718.77</td>
<td>270</td>
<td>$734,067.73</td>
</tr>
<tr>
<td>Tier 1</td>
<td>$661.52</td>
<td>144</td>
<td>$95,258.58</td>
</tr>
<tr>
<td>Tier 2</td>
<td>$5,088.55</td>
<td>126</td>
<td>$636,069.35</td>
</tr>
</tbody>
</table>
## Overall Medicaid Costs

<table>
<thead>
<tr>
<th>Group</th>
<th>Group Total</th>
<th>Per Person</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Baseline* Total Cost</td>
<td>Follow Up** Total Cost</td>
</tr>
<tr>
<td>Control</td>
<td>$1,210,057</td>
<td>$995,435</td>
</tr>
<tr>
<td>Treatment (Overall)</td>
<td>$1,935,183</td>
<td>$1,538,921</td>
</tr>
<tr>
<td>Tier 1</td>
<td>$1,001,088</td>
<td>$933,248</td>
</tr>
<tr>
<td>Tier 2</td>
<td>$934,065</td>
<td>$605,616</td>
</tr>
</tbody>
</table>

*Represents money spent in 12 months prior to intervention.
**Represents money spent in 12 months post intervention completion.
In practice: using Medicaid/CHIP for housing improvements

- **MARYLAND**: $14.4 million in CHIP funds for asthma trigger, lead hazard remediation, and resident education

- **MICHIGAN**: $119 million in CHIP funds for lead hazard remediation and related services; workforce dev.

- **OHIO ($5 million)/INDIANA ($3 million)**: CHIP funds for lead testing and remediation

- **MISSOURI**: Medicaid funding allowable for Asthma resident education; Environmental assessment services

- **OREGON**: Rule 1115 Waiver allowing for flexible services including asthma home visiting resident education

- **RHODE ISLAND**: Rule 1115 Waiver allowing for lead remediation