Cases of Lead Poisoning by Ownership Status, 2010-2017

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Emerging Environmental Issues

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Method

- We observed property status for 4496 addresses in Kent county where children less than 6 years of age were living when diagnosed with EBL.
  - Property status defined as owner occupied or rental property.
  - An EBL defined as greater than or equal to 5 µg/dL.
- The primary reference for collection of this information was *Rental Properties, Code Compliance, City of Grand Rapids*
- BS&A Online was accessed for properties in
  - City of Grand Rapids
  - City of Grandville
  - Alpine Township
  - City of Wyoming
  - City of Kentwood
## Results

### How Many Cases of Lead Poisoning per address?

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>2564</td>
<td>129</td>
<td>15</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>Occupied</td>
<td>57%</td>
<td>38%</td>
<td>23%</td>
<td>27%</td>
<td>0%</td>
</tr>
<tr>
<td>Rental</td>
<td>1932</td>
<td>210</td>
<td>50</td>
<td>11</td>
<td>2</td>
</tr>
<tr>
<td>Property</td>
<td>43%</td>
<td>62%</td>
<td>77%</td>
<td>73%</td>
<td>100%</td>
</tr>
<tr>
<td>Total</td>
<td>4496</td>
<td>361</td>
<td>65</td>
<td>15</td>
<td>2</td>
</tr>
</tbody>
</table>

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Interpretation

Cases of EBL among multiple children under the age of 6 indicate that after a family experienced an EBL diagnosis, the lead hazard persisted, and was a confirmed exposure hazard to the next child who was living in the residence at time of EBL diagnosis.
Next Steps

- Determine how many residential units at addresses with multiple EBL cases.
- Observe the Get The Lead Out dataset to determine if any of these homes were funded for lead remediation/abatement.
- Identify resources that may be available to the property owner for lead remediation/abatement.
Primary Contact - Kent County Health Department

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Questions?