Detection of Lead Poisoning in Children

Risk Factor Questionnaire
- Risk factor questionnaire completed on children age 6, 12, 18 and 24 months, and 3, 4, 5, and 6 years of age.
- If the risk factor questionnaire indicates risk for lead exposure, then a capillary screening test will be performed.
- Note: All children on Medicaid receive a capillary screening test at 12 and 24 months old.

Capillary Screening Test
- Public health receives test results via electronic laboratory reports and from medical providers.
- If the capillary screening test is ≥ 5µg/dL, Sedgwick County Division of Health (SCDOH) contact the medical provider who ordered the test to ensure appropriate follow-up, which includes a venous confirmatory test.

Confirmatory Venous Test
- If the venous confirmatory test is ≥ 5µg/dL, Sedgwick County Division of Health will:
  - Conduct phone interviews and provides education to parent/guardian;
  - Perform home assessment if criteria are met and when no exposure is identified during the phone interview;
  - Contacts medical provider to ensure appropriate follow-up and monitoring.
Testing for Lead Exposure: When to Retest?

- A risk factor questionnaire helps determine a child’s risk for lead exposure.
- Children at high risk for lead exposure receive a capillary screening test.
- All children on Medicaid receive a capillary screening test at 12 and 24 months old.

<table>
<thead>
<tr>
<th>Result (µg/dL)</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>≥5 (Elevated)</td>
<td>Confirmatory Venous Test</td>
</tr>
<tr>
<td>5 – 10</td>
<td>Retest within three months</td>
</tr>
<tr>
<td>10 – 15</td>
<td>Retest within one to three months</td>
</tr>
<tr>
<td>15 – 24</td>
<td>Retest within one to three months</td>
</tr>
<tr>
<td>25 – 44</td>
<td>Retest within two to four weeks</td>
</tr>
<tr>
<td>≥45</td>
<td>Retest immediately</td>
</tr>
</tbody>
</table>

Capillary Screening Test

Result is ≤5 (NOT elevated)
- If the child has no risk factors, retest at two years of age.

Result is ≥5 (Elevated)
- If the child has risk factors, retest in six months.