**Medical Management Guidelines**  
*Healthy Homes Advisory Council of Greater Cleveland*  
*2019*

| General Management Across All Tiers | **PREVENTION IS KEY:** Provide anticipatory guidance on common sources of environmental lead exposure:  

- paint in homes built prior to 1978, soil near roadways or other sources of lead, take-home exposures related to adult occupation, imported spices, cosmetics, folk remedies, and cookware.  

- **Initiate lead screening at 12 months of age.**  

- **Counsel on healthy diet** including adequate intake of iron and calcium. Consider need for multivitamin.  

- **Perform environmental exposure history.**  

- **Refer** to local health departments for available resources 1.  

- **Refer** to the Special Supplemental Nutrition Program for Women, Infants and Children (WIC) for other nutritional counseling 2. |

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<table>
<thead>
<tr>
<th>BLL</th>
<th>Confirm with Venous Draw</th>
<th>Tier-Specific Management Strategies</th>
<th>Follow up Testing</th>
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<td>0-4ug/dl</td>
<td>• Discuss lead prevention techniques.</td>
<td>• Follow Screening Recommendations</td>
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| 5-9ug/dl | Within 2 months | • Complete history, physical, and developmental exam.  

- Assess iron status, hemoglobin, & hematocrit.  

- Treat iron deficiency. Follow AAP guidelines for prevention and treatment of iron deficiency.  

- **Lead testing of siblings.** | • Every 3 months until BLL <5ug/dl or unchanged.  

- Developmental screen q 6 months for at least 24 months.  

- Resume yearly developmental screen once BLL is <5ug/dl. |
| 10-19ug/dl | Within 4 weeks | **As above AND:**  

- Contact local health department for availability of abatement services and to report the BLL 1.  

- **Consider abdominal X-ray and decontamination** (Especially if BLL increased from previous test). | • Every 6-8 weeks until BLL <10ug/dl or decreasing.  

- Developmental screen q 6 months for at least 24 months.  

- Resume yearly developmental screen once BLL is <5ug/dl. |
| 20-44ug/dl | Within 2 weeks | **As above AND:**  

- **MUST notify local health department of BLL** 1.  

- Review BLL history to consider hospitalization. | • Every 4 weeks until BLL <20ug/dl or decreasing.  

- Developmental screen q 6 months for at least 24 months, continue if BLL remains unchanged. |
| >45ug/dl | Within 48 hours | **As above AND:**  

- Repeat BLL prior to admission or upon hospitalization.  

- Hospitalization for chelation needed.  

- Ensure child is returning to a lead free environment. | • 3-4 weeks after treatment.  

- **Retreatment may be necessary**  

- Subsequent BLL testing is dictated by the rebound level.  

- Developmental screen q 6 months. |

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1. Cuyahoga County Board of Health: 216-201-2000; Cleveland Department of Public Health: 216-664-2175.  
2. WIC: The child must be under the age of 5 years old.  
3. For more information: CDC at 800-CDC-INFO (800-232-4636); National Lead Information Center at 800-424-LEAD (5323); [http://www.cdc.gov/nceh/lead/](http://www.cdc.gov/nceh/lead/)  
**Other Resources:**  
Bright Beginnings: 216-698-7500.  
WIC: Clinic locations: 800-755-4769.  
MetroHealth Lead Clinic: 216-778-7800  
Starting Point: 216-575-0061  
University Hospitals of Cleveland: rainbow.org/lead