

OKLAHOMA STATE DEPARTMENT OF HEALTH
**MANAGEMENT GUIDELINES
 FOR BLOOD LEAD LEVELS IN CHILDREN**

- All capillary blood lead results ≥ 10 $\mu\text{g/dL}$ **must** be confirmed with a venous specimen.
- Primary management of lead poisoning relies on source identification and removal from exposure.
- Treatment decisions should be made in consultation with a physician knowledgeable about lead poisoning and medical management.

CAPILLARY BLOOD LEAD LEVELS

Blood Lead ($\mu\text{g/dL}$)	Significance	Management
<10	Not Elevated	Reassess in 1 year. No additional action is necessary unless an exposure risk change has occurred.
≥ 10	Needs confirmation	Confirm result with a venous specimen.

CONFIRMATORY TESTING TIMELINE

If capillary blood lead level is:	Perform venous confirmatory blood test:
10-14 $\mu\text{g/dL}$	Within one month
15-19 $\mu\text{g/dL}$	Within one month
≥ 20 $\mu\text{g/dL}$	Within one week

VENOUS BLOOD LEAD LEVELS

Blood Lead ($\mu\text{g/dL}$)	Significance	Management
<10	Not Elevated	Reassess in 1 year. No additional action is necessary unless an exposure risk change has occurred.
10-14	Low elevation	Rescreen with venous test in two months. Provide family with lead education including nutritional and environmental interventions.
15-19	Mild elevation	Do same as for 10-14 range. If blood lead level persists (i.e., 2 venous at least 2 months apart) proceed according to actions for 20-44 range. Contact CLPPP for consultation.
20-44	High elevation	Environmental Investigation should be initiated. Refer for medical management. Child should be tested (venous) every 2 months. Pharmacological treatment <u>may</u> be indicated. Contact CLPPP for consultation.
45-69	Severe elevation	Children in this range need both medical and environmental intervention within 48 hours. Contact CLPPP for consultation.
≥ 70	Emergency	Children in this range need immediate , medical treatment and environmental intervention. Contact CLPPP for consultation.

After two consecutive venous results are below 10 $\mu\text{g/dL}$, reassess child after 12 months using the Lead Exposure Risk Assessment Questionnaire (LERAQ) form.

For consultation, more information or additional copies of this form, call the Oklahoma Childhood Lead Poisoning Prevention Program at 405/271-6617 or toll free 1-800/766-2223, or e-mail: AntoinetteA@health.ok.gov