

Philadelphia Department of Public Health
Recommended Management of Children with Elevated Blood Levels

May 2013

Blood Lead Level (BLL) ($\mu\text{g}/\text{dL}$)	Recommendations
<4	<ul style="list-style-type: none"> • None
5-9	<ul style="list-style-type: none"> • Monitor lead levels based on screening schedule below • Inquire about possible source(s) of lead exposure to advise prevention steps • Dietary evaluation for additional calcium and iron • Prescribe multivitamin • Recommend prevention/mitigation strategies (<i>see reverse</i>)
10-19	<ul style="list-style-type: none"> • All actions for BLL 5 – 9 $\mu\text{g}/\text{dL}$ and • Lead screening of any pregnant women or other young children in the home • Refer to Childlink/Elwyn for children \leq 18 months old • Philadelphia Department of Public Health will: <ul style="list-style-type: none"> ○ Provide home-based education ○ Inspect the child's home to identify potential lead sources ○ Order homeowner to repair or if eligible provide HUD funded repair
20-44	<ul style="list-style-type: none"> • All actions for BLL 5-19 $\mu\text{g}/\text{dL}$ and • Complete medical history & physical • Consider abdominal XR and bowel decontamination • Assess for developmental and behavioral problems and refer to Childlink/Elwyn
\geq 45	<ul style="list-style-type: none"> • All actions for BLL 5 – 44 $\mu\text{g}/\text{dL}$ and • Chelation therapy; arrange hospitalization if needed • Perform complete neurologic exam

Recommended Follow-up Blood Lead Test Schedule for Children

Fingerstick BLLs \geq 5 $\mu\text{g}/\text{dL}$		Venous BLL ($\mu\text{g}/\text{dL}$)	Venous BLLs \geq 5 $\mu\text{g}/\text{dL}$	
Capillary Test Result ($\mu\text{g}/\text{dL}$)	Confirmatory Venous Test		Early Follow-up Test	Late Follow-up Test (once levels have begun to decline)
5-9	Within 3-6 months	5-9	3-6 months	6-12 months
10-14	Within 3 months	10-14	3 months	6-9 months
15-44	Within 1 week	15-19	1-3 months	3-6 months
\geq 45	Immediately	20-24	1-3 months	1-3 months
		25-44	2 weeks-1 month	1 month
		\geq 45	As soon as possible	Chelation with follow-up

For more information contact the Philadelphia Department of Public Health Childhood Lead Poisoning Prevention Program 215 685-2788, <http://www.phila.gov/health/ChildhoodLead>.