

Lead Screening and Follow-Up Guidelines for Health Care Providers

Lead screening
 At ages 9-12 months and 2 years
 At age 3-6 years if never done or if risk changes



Follow-up by Blood Lead Level (BLL)

<5 mcg/dl	5-14 mcg/dl	15-19 mcg/dl	20-44 mcg/dl	45-69 mcg/dl	≥70 mcg/dl						
Routine screening at 12 and 24 months	<ul style="list-style-type: none"> • Obtain confirmatory <u>venous</u> BLL within 1-3 months after initial test • See table below for follow-up testing. 	<ul style="list-style-type: none"> • Obtain confirmatory <u>venous</u> BLL within 1-4 weeks after initial test • See table below for follow-up testing • Follow-up blood lead levels per guidelines. 	<ul style="list-style-type: none"> • Obtain confirmatory <u>venous</u> BLL as soon as possible • BLL follow-up of chelation 	<ul style="list-style-type: none"> • Obtain confirmatory <u>venous</u> BLL immediately (emergency) • BLL follow-up of chelation 							
<ul style="list-style-type: none"> • Provide nutritional/ environmental lead education 	<ul style="list-style-type: none"> • Provide nutritional/ environmental lead education • Environmental history to identify potential sources of exposure • Provide advice about reducing/ eliminating exposures • Provide nutritional counseling 	<ul style="list-style-type: none"> • Provide nutritional/environmental lead education • Complete history/exam • Lab work: <ul style="list-style-type: none"> ○ Iron status ○ Consider hemoglobin or hematocrit • Neurodevelopmental monitoring • Abdominal X-ray (if particulate lead ingestion is suspected) with bowel decontamination if indicated 	<ul style="list-style-type: none"> • Oral Chelation therapy • Consider hospitalization if lead-safe environment cannot be assured 	<ul style="list-style-type: none"> • Hospitalize and commence chelation therapy in conjunction with consultation from a medical toxicologist (see below) 							
	Consult with DOH Public Health Nurses for assistance with education/counseling	Refer to DOH Public Health Nurses for assistance with education/counseling.									
		If follow-up BLL is 15-19 mcg/dl at least 3 months after initial venous BLL, refer to DOH IRHB for guidance on environmental investigation.	For venous BLL ≥20 mcg/dl, refer to DOH IRHB for guidance on environmental investigation.								
For more information: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">DOH Children with Special Health Needs Branch (CSHNB)</td> <td style="width: 50%;">Ph. (808) 733-9069</td> </tr> <tr> <td>DOH Hazard Evaluation and Emergency Response Office (HEER)</td> <td>Ph. (808) 586-4249</td> </tr> <tr> <td>DOH Indoor and Radiological Health Branch (IRHB)</td> <td>Ph. (808) 586-5800</td> </tr> </table>						DOH Children with Special Health Needs Branch (CSHNB)	Ph. (808) 733-9069	DOH Hazard Evaluation and Emergency Response Office (HEER)	Ph. (808) 586-4249	DOH Indoor and Radiological Health Branch (IRHB)	Ph. (808) 586-5800
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Schedule for Follow-Up Blood Lead Testing

Brochure:
 For nutritional/environmental information for families, see brochure "Keep Your Keiki Lead-Free"
<http://health.hawaii.gov/cshcn/home/leadpp/>

Venous BLL mcg/dl	Early follow up testing (2-4 tests after identification)	Later follow-up testing after BLL declining
5- 9	3 months*	6-9 months
10-19	1-3 months*	3-6 months
20-24	1-3 months*	1-3 months
25-44	2 weeks - 1 month	1 month
≥45	As soon as possible	As soon as possible
*Consider repeating BLL on new patients within a month to ensure BLL is not rising		

Medical Consultants:

- Pediatric Environmental Health Specialty Unit (PEHSU) at 866-827-3478 or 415-206-4083
- Poison Control Center at 800-222-1222