



Lead Testing Requirements and Medical Management Recommendations

for Children Under the Age of Six Years

Revised 8/2010

Ohio Department of Health • Bureau of Child and Family Health Services
Ohio Healthy Homes and Lead Poisoning Prevention Program • www.odh.ohio.gov

There is no safe level of lead in the blood.

Any confirmed level of lead in the blood is a reliable indicator that the child has been exposed to lead. All blood lead test results, by law, are required to be reported to ODH by the analyzing laboratory.

Lead Testing Requirements

- 1) Is the child on Medicaid?
If yes, **TEST AT AGES 1 AND 2— IT'S OHIO LAW!** (OAC Rule 5101:3-14-03).
- 2) Does the child live in a High Risk ZIP Code? (see list on back or visit <http://www.odh.ohio.gov>)
If yes, **TEST— IT'S OHIO LAW!**
- 3) Ask the parent these five key questions to assess the child's risk.
Does your child:
 - Live in or regularly visit a house built before 1950? This includes a day care center, preschool, or home of a baby sitter or relative.
 - Live in or visit a house that has peeling, chipping, dusting or chalking paint?
 - Live in or visit a house built before 1978 with recent, ongoing, or planned renovation/remodeling?
 - Have a sibling or playmate who has or did have lead poisoning?
 - Frequently come in contact with an adult who has a hobby or works with lead? Examples are construction, welding, pottery, painting, and casting ammunition.

If the family answers "yes" or "do not know" to any of the above questions, **TEST— It's Ohio law.**

If the family answers "no," provide prevention guidance and follow up at the next visit.

Blood Lead Levels (BLL)	Medical Management Recommendations
<5 µg/dL	<ul style="list-style-type: none"> • Provide anticipatory guidance during well child care visits at 6, 9 and 12 months: discuss sources, effects of lead and hazards associated with renovating pre 1978 homes. • Test blood lead level (BLL) again in 12 months.
5–9 µg/dL	<p>In addition to medical management actions listed above: explain child's BLL and how to reduce exposure and absorption.</p> <ul style="list-style-type: none"> • Explain that there is no safe level of lead in the blood. • Discuss wet cleaning to remove lead dust on surfaces; eliminating access to deteriorating lead paint surfaces; and ensuring regular meals that are low in fat and rich in calcium and iron. • Refer to the Special Supplemental Nutrition Program for Women, Infants and Children (WIC) or for other nutritional counseling. • Parent may hire licensed personnel to conduct a lead risk assessment to determine source of exposure.
10–19 µg/dL	<p>In addition to medical management actions listed above:</p> <ul style="list-style-type: none"> • Confirm capillary results by venous or second capillary blood sample within one month. • When results are confirmed, test BLL again in two months. If BLL persists in this level (i.e., two confirmed tests $\geq 10\mu\text{g/dL}$ at least two months apart), proceed according to actions for BLL 20–44. • Refer to Help Me Grow program if appropriate. • Test BLL every one–two months until the BLL remains $< 10\mu\text{g/dL}$ for at least six months and lead hazards have been removed or made lead safe and no new exposure exists. <p>State or local health department will conduct a public health lead investigation and provide case management.</p>
20–44 µg/dL	<p>In addition to medical management actions listed above:</p> <ul style="list-style-type: none"> • Take medical, environmental and nutritional Hx; test for anemia and iron deficiency; assess neurologic, psychosocial and language development; screen all siblings under 6; and evaluate risk of other family members (e.g., pregnant women). • Refer to the Bureau for Children with Medical Handicaps (BCMh) program, if appropriate.
$\geq 45 \mu\text{g/dL}$	<p>In addition to medical management actions listed above:</p> <ul style="list-style-type: none"> • Confirm fingerstick (capillary) results by venous blood sample immediately. A venous specimen will ensure therapy is based on current and reliable information. • Chelation therapy is indicated if venous testing confirms level. • Immediately remove child from exposure source.

ODH Information and Referrals

Help Me Grow Hotline: 1-800-755-GROW (1-800-755-4769)

Bureau Children with Medical Handicaps (BCMh): 614-466-1700

Medicaid Provider Hotline: 800-686-1516

Bureau of Early Intervention (EI): 614-644-8389

Women, Infants and Children (WIC): 614-466-4110

ODH OHHLPPP: 614-466-5332



High Risk ZIP Codes Requiring Blood Lead Testing

for children under the age of six years, as Ohio law designates

Ohio Department of Health • Bureau of Child and Family Health Services
Ohio Healthy Homes and Lead Poisoning Prevention Program (OHLPPP)

Adams	45133	44112	Greene	43153	43935	45373	Sandusky	43420	44436	
Allen	45801	44113		45177	43943	45380		43431	44446	
	45804	44114		45314	43952	45424		43435	44483	
	45805	44115		45324	43953	none	Monroe	43551	44484	
Ashland	44691	44117		45385	43964	45005	Montgomery	44811	44485	
	44805	44118		45387	Knox	45042		44830	44491	
	44903	44119		45420	Lake	45324		44883	44504	
Ashtabula	44004	44120		45424		45325	Scioto	45638	44505	
	44030	44121		45431	Lawrence	45327		45662	44509	
	44062	44122	Guernsey	43725	Licking	45338	Seneca	43316	44510	
Athens	45701	44123	Hamilton	45013		45342		43420	Tuscarawas	44622
	45732	44125		45202	Logan	45345		44807		44624
Auglaize	none	44126		45203		45402		44811		44683
Belmont	43906	44127		45204		45403		44818	Union	43302
	43912	44128		45205		45404		44830		43345
	43917	44135		45206		45405		44854		43358
	43935	44144		45207	Lorain	44028		44882	Van Wert	45891
	43943	44146		45208		44035		44883	Vinton	45601
Brown	none	Darke	45308	45209		44044		45840	Warren	45005
Butler	45005		45321	45210		44052		45408		45036
	45011		45331	45211		44055	Shelby	45318		45036
	45013		45337	45212	Lucas	43402		45356		45040
	45015		45338	45213		43460		45365		45042
	45036		45348	45214		43551		45380		45044
	45040		45362	45215		43602		45388		45050
	45042		45380	45216		43604	Stark	44601		45069
	45044		45382	45217		43605		44618		45177
	45050		45388	45219		43606		44624		45327
	45056		45390	45220		43607		44646		45342
	45069		45846	45221		43608		44647	Washington	45750
	45231	Defiance	None	45222		43608		44662	Wayne	44203
	45246	Delaware	43015	45223		43609	Morgan	45732		44606
	45327	Erie	44811	45224		43610	Morrow	43015		44618
Carroll	none		44870	45225		43611		44833		44624
Champaign	43078	Fairfield	43113	45226		43612		44903		44627
	45365		43130	45227		43613	Muskingum	43056		44705
Clark	43078	Fayette	43115	45229		43614		43701		44706
	43140		43143	45231		43615	Noble	none		44707
	43153		43145	45232		43620	Ottawa	43420		44708
	45314		43153	45236		43624	Paulding	none		44710
	45324		45123	45237	Madison	43140	Perry	45732		44714
	45373	Franklin	43085	45238		43143	Pickaway	43113	Summit	44146
	45387		43140	45239		43153		43115		44203
	45424		43201	45242		45314		43143		44221
	45503		43202	45246	Mahoning	44405		43145		44223
	45504		43203	43316	Hancock	43316		43164		44240
	45505		43204	43359		44420		45601		44301
	45506		43204	43516		44436	Pike	45133		44302
Clermont	none		43205	44817		44471		45601		44303
Clinton	45177		43206	44830		44502		45612		44304
	45385		43207	45840		44503	Portage	44231		44305
Columbiana	43920		43209	45843		44504		44240		44306
	43968		43210	45872		44505		44266		44307
	44413		43211	43345	Hardin	43345		44266		44307
	44441		43212	43347		44506		44491		44308
	44601		43213	43358		44507		44601		44310
Coshocton	43812		43214	43358		44509	Preble	45042		44311
Crawford	43302		43215	45843	Harrison	43901		45056		44313
	44807		43217	43910		44510		45321		44314
	44818		43219	44683		44511		45325		44320
	44820		43221	43502	Henry	43502		45327		44321
	44827		43222	43511		44601	Marion	43302	Trumbull	44062
	44833		43223	43516		44601		45345		44231
	44854		43224	43567		44833		45382		44420
	44865		43227	45123	Highland	45123	Putnam	43516		45843
	44875		43228	45133		44044	Richland	44805		
	44882		43230	45612		44203		44827		
	44887		43231	43130	Hocking	43130		44833		
Cuyahoga	44028	Fulton	43502	45601		44321		44854		
	44094		43521	45732	Meigs	45701		44865		
	44102		43567	45760		45760		44875		
	44103		43570	45769		45769		44902		
	44104	Gallia	none	44624	Mercer	45348		44903		
	44105	Geauga	44021	44627		45388		44905		
	44106		44062	44807	Huron	44807		44906		
	44107		44077	44811		44811	Ross	43113		
	44108		44077	44854		44854		43115		
	44109		44094	44865	Jackson	45601		43115		
	44110		44231	45601	Jefferson	43901		43145		
	44111		44491	45356		43910		43164		
				45359		43917		45123		
				45365				45601		
								45612		

The Lead Risk Model used to determine the High Risk ZIP codes was developed by The Ohio State University, Center for Biostatistics.

2000 Census data and 2001 blood lead data were used to locate hot census tracts, which were then overlaid with ZIP code boundaries. A ZIP code with any part of a hot census tract is considered to be at high risk.

The variables used in the Lead Risk Model included:

- At least 12% of children tested in that census tract have BLL 10µg/dL or higher (2001 blood lead data)
- Housing environment
- Demographic characteristics
- Socioeconomic
- Housing density and % public assistance

* based on Ohio Department of Administrative Services 2001.