



Lead Testing Requirements and Medical Management Recommendations

for Children Ages 6 to 72 Months

Revised 5/2007

Ohio Department of Health
Bureau of Child and Family Health Services • Ohio Childhood Lead Poisoning Prevention Program (OCLPPP)

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.

Administer two tests at age 1 and 2 years, or up to age 6 years if no test has been administered before (or as medically necessary) based on the following criteria.

- 1) Is the child on Medicaid?
If yes, **TEST — IT'S OHIO LAW AND A FEDERAL REQUIREMENT.** If no, go to step 2.
- 2) Does the child live in a High Risk ZIP Code? (contact OCLPPP or visit www.odh.ohio.gov for list)
If yes, **TEST — IT'S OHIO LAW!** If no, go to step 3.
- 3) Ask the parent five key questions to assess risk.
Use the Risk Assessment Questionnaire (RAQ) and ask if the child:
 - Lives in or regularly visits a house built before 1950? This includes a day care center, preschool, or home of a baby sitter or relative.
 - Lives in or visits a house that has peeling, chipping, dusting or chalking paint?
 - Lives in or visits a house built before 1978 with recent, ongoing, or planned renovation/remodeling?
 - Has a sibling or playmate who has or did have lead poisoning?
 - Frequently comes 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.
If the family answers "no," provide anticipatory guidance and follow up at the next visit.

All blood lead test results, by law, are required to be reported to ODH by the analyzing laboratory.

Blood Lead Levels (BLL)	Recommended Medical Management Actions
0–5 µg/dL	<ul style="list-style-type: none"> • Provide anticipatory guidance: Discuss sources, effects of lead, and hazards associated with renovating pre-1978 homes during well child care at 6, 9 and 12 months. • Test blood lead level (BLL) again in 12 months.
6–9 µg/dL	<p>In addition to medical management actions listed above:</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 which 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.
10–14 µg/dL	<p>In addition to medical management actions listed above:</p> <ul style="list-style-type: none"> • Test BLL again in 2 months. • Refer to Help Me Grow program. <p>State or local health department will conduct a public health lead investigation.</p>
15–19 µg/dL	<p>In addition to medical management actions listed above:</p> <ul style="list-style-type: none"> • Confirm results by venous or second capillary blood sample within one month. <p>If BLL persists in this level (i.e., 2 confirmed tests at least 2 months apart), proceed according to actions for BLL 20–44.</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. • Test BLL every 1–2 months until the BLL remains <15µg/dL for at least 6 months and lead hazards have been removed or made lead-safe, and no new exposure exists.
45–69 µg/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 within 24 hours. • Consider chelation therapy: <ul style="list-style-type: none"> ▼ Obtain a venous specimen to ensure that therapy is based on current and reliable information. ▼ Refer to a specialist. • Test BLL again in 1 month.
≥ 70 µg/dL	<p>This level is a medical emergency: Order an urgent repeat venous BLL test, but begin chelation immediately!</p> <p>Utilize medical management actions listed above.</p>

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

Bureau of Early Intervention (EI): 614-644-8389
Women, Infants and Children (WIC): 614-466-4110

Medicaid Provider Hotline: 800-686-6108
ODH OCLPPP: 614-466-5332



HIGH RISK ZIP CODES REQUIRING BLOOD LEAD TESTING

for Children Ages 6 to 72 months, as Ohio Law designates

Ohio Department of Health
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Revised January 2004

ADAMS	45133	...CLARK	45387	...CUYAHOGA	44121
ALLEN	45801		45424		44122
	45804		45503		44123
	45805		45504		44125
ASHLAND	44691		45505		44126
	44805		45506		44127
	44903	CLERMONT	none		44128
ASHTABULA	44004	CLINTON	45177		44135
	44030		45385		44144
	44062	COLUMBIANA	43920	DARKE	45308
ATHENS	45701		43968		45321
	45732		44413		45331
AUGLAIZE	none		44441		45337
BELMONT	43906	COSHOCTON	44601		45338
	43912		43812		45348
	43917	CRAWFORD	43302		45362
	43935		44807		45380
	43943		44818		45382
BROWN	none		44820	DEFIANCE	none
BUTLER	45005		44827	DELAWARE	43015
	45011		44833	ERIE	44811
	45013		44854		44870
	45015		44865	FAIRFIELD	43113
	45036		44875		43130
	45040	CUYAHOGA	44882	FAYETTE	43115
	45042		44887		43143
	45044		44028		43145
	45050		44094		43153
	45056		44102		45123
	45069		44103	FRANKLIN	43085
	45231		44104		43140
	45246		44105		43201
	45327		44106		43202
CARROLL	none		44107		43203
CHAMPAIGN	43078		44108		43204
	45365		44109		43205
CLARK	43078		44110		43206
	43140		44111		43207
	43153		44112		43209
	45314		44113		43210
	45324		44114		43211
	45373		44115		43212
			44117		43213
			44118		
			44119		
			44120		



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...FRANKLIN	43214 43215 43217 43219 43221 43222 43223 43224 43227 43228 43230 43231 43232	...HAMILTON	45217 45219 45220 45221 45223 45224 45225 45226 45227 45229 45231 45232 45236 45237 45238 45239 45242 45246	...HURON	44811 44854 44865
FULTON	43502 43521 43567 43570			JACKSON	45601
GALLIA	none			JEFFERSON	43901 43910 43917 43935 43943 43952 43953 43964
GEAUGA	44021 44062 44077 44094 44231 44491	HANCOCK	43316 43359 43516 44817 44830 45840 45843 45872	LAKE	44077 44094
GREENE	43153 45177 45314 45324 45385 45387 45420 45424 45431	HARDIN	43345 43347 43358 45843	LAWRENCE	45638
		HARRISON	43901 43910 44683	LICKING	43055 43056
GUERNSEY	43725	HENRY	43502 43511 43516 43567	LOGAN	43311 43345 43347 43358 45365
HAMILTON	45013 45202 45203 45204 45205 45206 45207 45208 45209 45210 45211 45212 45213 45214 45215 45216	HIGHLAND	45123 45133 45612	LORAIN	44028 44035 44044 44052 44055
		HOCKING	43130 45601 45732	LUCAS	43402 43460 43551 43602 43604 43605 43606 43607 43608 43609 43610 43611 43612 43613 43614 43615
		HOLMES	43812 44624 44627		
		HURON	44807		



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...LUCAS	43620 43624	...MIAMI	45424	PICKAWAY	43113 43115 43143 43145 43164 45601
MADISON	43140 43143 43153 45314	MONROE	none	PIKE	45133 45601 45612
MAHONING	44405 44413 44420 44436 44471 44502 44503 44504 44505 44506 44507 44509 44510 44511 44512 44555 44601	MONTGOMERY	45005 45042 45324 45325 45327 45338 45342 45345 45402 45403 45404 45405 45406 45407 45408 45409 45410 45414 45417 45418 45419 45420 45424 45426 45427 45431	PORTAGE	44231 44240 44266 44491 44601
MARION	43302 43337 44833	MORGAN	45732	PREBLE	45042 45056 45321 45325 45327 45338 45345 45382
MEDINA	44028 44044 44203 44321	MORROW	43015 44833 44903	PUTNAM	43516
MEIGS	45701 45760 45769	MUSKINGUM	43056 43701	RICHLAND	44805 44827 44833 44854 44865 44875 44902 44903 44905 44906
MERCER	45348 45388 45846	NOBLE	none	ROSS	43113 43115 43145 43164 45123 45601 45612
MIAMI	45308 45318 45337 45339 45356 45359 45365 45373 45380	OTTAWA	43420	SANDUSKY	43420 43431 43435 43551 44811
		PAULDING	none		
		PERRY	45732		



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SANDUSKY	44830 44883	...SUMMITT	44311 44313 44314 44320 44321	WILLIAMS	43502 43543 43570
SCIOTO	45638 45662			WOOD	43402 43413 43431 43460 43511 43516 43551 43605 43609 43614 44817 44830 45872
SENECA	43316 43420 44807 44811 44818 44830 44854 44882 44883 45840	TRUMBULL	44062 44231 44420 44436 44446 44483 44484 44485 44491 44504 44505 44509 44510		
SHELBY	45318 45356 45365 45380 45388	TUSCARAWAS	44622 44624 44683	WYANDOT	43302 43316 43323 43337 43351 43359 44882 44883 45843
STARK	44601 44618 44624 44646 44647 44662 44667 44702 44703 44704 44705 44706 44707 44708 44710 44714	UNION	43302 43345 43358		
		VAN WERT	45891		
		VINTON	45601		
		WARREN	45005 45036 45040 45042 45044 45050 45069 45177 45327 45342		
SUMMIT	44146 44203 44221 44223 44240 44301 44302 44303 44304 44305 44306 44307 44308 44310	WASHINGTON	45750		
		WAYNE	44203 44606 44618 44624 44627 44662 44667 44691		

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 & % public assistance

* Based on Ohio Department of Administrative Services 2001 zip code shape file.