

# ANNUAL REPORT ON NUMBER OF CHILDREN (BY COUNTY) WITH ELEVATED BLOOD LEAD LEVELS

(FY2011 Appropriation Bill – Public Act 187 of 2010)

**February 1, 2011**

**Section 1129:** The department shall provide a report annually to the house and senate appropriations subcommittees on community health, the house and senate fiscal agencies, and the state budget director on the number of children with elevated blood lead levels from information available to the department. The report shall provide the information by county, shall include the level of blood lead reported, and shall indicate the sources of the information.

*Michigan Department  
of Community Health*



**Rick Snyder, Governor  
Olga Dazzo, Director**

**Legislative Report**  
**Annual Childhood Lead Poisoning**  
**(10/01/2009-09/30/2010)**

**Michigan Children Tested and Their Test Results**

The following tables reflect lead testing numbers and blood lead test results by county for children through age six (Table 1) and less than sixteen years of age (Table 2) for fiscal year 2009-10. Figure 1 depicts statewide testing and elevated blood lead level information for the past three fiscal years.

The Centers for Disease Control and Prevention defines lead poisoning as having a venous blood lead test result of  $\geq 10$  micrograms per deciliter (see footnotes for Figure 1). As indicated in Table 1, there were 1,299 children through six years of age with an elevated blood lead level (EBLL) identified during FY10. In Table 1, data also reflect that statewide, 157,618 children through six years of age were tested; this is 17.9% of Michigan's total population of children in this age group. Although not shown in Table 1, 78.8% of those tested were Medicaid-enrolled. It is also important to note that the percentage of Michigan children through age of six with an EBLL has decreased from 9.9% during FY98 to 0.8% in FY10.

However, while overall prevalence has decreased, Medicaid-enrolled children still bear a disproportionate burden of lead poisoning.

- of children with blood lead levels 10-19 micrograms per deciliter, 91.0% were Medicaid enrolled;
- of children with blood lead levels 20-44 micrograms per deciliter, 94.4% were Medicaid enrolled; and
- of children with blood lead levels 45 micrograms per deciliter and greater, 100% were Medicaid enrolled.

**Recommendations**

1. MDCH and its partners will continue to work collaboratively through local coalitions in the target communities. The work of the coalitions has resulted in a significant increase in funding through federal and local grants to address lead hazards in housing as well as increasing lead awareness and education and testing.
2. MDCH will continue to work closely with the funding subcommittee of the former Childhood Lead Poisoning Prevention and Control Commission. The Commission sunset in July 2010 (pursuant to Public Act 431 of 2004), however, the Sustainable Funding Subcommittee and the Lead Hazard Abatement Loans and Credits Subcommittees chose to combine, and continue to meet on a regular basis. Their focus is on the development of solutions to fund lead abatement through the use of loans and tax credits. A draft position paper has been developed and disseminated to various stakeholders.

3. MDCH will continue to address all CDC required program components which include an elimination plan, screening/testing, case management, surveillance, primary prevention, and strategic partnerships. The primary prevention component will continue to be a primary focus. Primary prevention strategies will focus on residents of pre-1950 housing in target communities, pregnant women, women of childbearing age, families with young children, and special populations (foreign adoptees, refugees, immigrants, migrants, and children in foster care). As resources are limited, MDCH must develop creative strategies, e.g., volunteer programs, to reach the primary prevention goals and objectives.
4. MDCH will move toward a coordinated healthy homes approach in 2011, as encouraged by the CDC, HUD, and EPA, which will address a number of issues including, but not limited to, lead poisoning, injury prevention, pest management, and asthma.

**Table 1  
Childhood Lead Poisoning Data Facts -- Fiscal Year 2009-2010 -- By County -- Children through Six Years of Age**

County	Children through Age 6	Children Tested for Lead			% with BLL >= 5 ug/dL (venous only)	Children with Low Level Exposure (capillary, venous)	Children with Confirmed Elevated Blood Lead Levels					Children With Elevated Capillary Tests, Not Confirmed by Venous				
		Number of Children	% Tested	% with BLL >= 5 ug/dL (venous only)			10-14 ug/dL (venous only)	15-19 ug/dL (venous only)	20-44 ug/dL (venous only)	>45 ug/dL (venous only)	Total EBLL (≥ 10 ug/dL)	Capillary 10-14, not confirmed by venous	Capillary 15-19, not confirmed by venous	Capillary 20-44, not confirmed by venous	Capillary >= 45, not confirmed by venous	Total Elevated Capillary, not
Alcona	549	110	20.0	6.4	0.0	6	0	0	0	0	0	1	0	0	0	1
Alger	553	115	20.8	4.3	0.0	5	0	0	0	0	0	0	0	0	0	0
Allegan	10,587	1,274	12.0	5.1	0.2	59	0	1	2	0	3	3	0	0	0	3
Alpena	2,025	336	16.6	4.8	0.0	16	0	0	0	0	0	0	0	0	0	0
Antrim	1,741	292	16.8	3.4	0.0	10	0	0	0	0	0	0	0	0	0	0
Arenac	1,183	216	18.3	2.8	0.0	6	0	0	0	0	0	0	0	0	0	0
Baraga	635	125	19.7	0.8	0.0	1	0	0	0	0	0	0	0	0	0	0
Barry	5,009	616	12.3	7.3	0.5	41	1	1	1	0	3	1	0	0	0	1
Bay	8,752	1,429	16.3	8.7	1.1	106	12	1	2	0	15	2	1	0	0	3
Benzie	1,402	169	12.1	3.6	0.0	6	0	0	0	0	0	0	0	0	0	0
Berrien	14,494	2,351	16.2	8.9	1.3	170	16	10	4	1	31	7	1	0	0	8
Branch	4,108	694	16.9	12.1	0.0	72	0	0	0	0	0	9	2	1	0	12
Calhoun	12,504	2,490	19.9	7.1	0.8	149	15	3	3	0	21	6	0	0	0	6
Cass	3,861	587	15.2	5.8	0.3	29	1	1	0	0	2	3	0	0	0	3
Charlevoix	2,023	220	10.9	2.3	0.9	3	1	1	0	0	2	0	0	0	0	0
Cheboygan	1,899	235	12.4	2.6	0.0	6	0	0	0	0	0	0	0	0	0	0
Chippewa	2,704	517	19.1	3.5	0.0	16	0	0	0	0	0	0	1	1	0	2
Clare	2,345	479	20.4	1.9	0.0	9	0	0	0	0	0	0	0	0	0	0
Clinton	5,926	660	11.1	1.5	0.0	10	0	0	0	0	0	0	0	0	0	0
Crawford	953	125	13.1	0.8	0.0	1	0	0	0	0	0	0	0	0	0	0
Delta	2,834	483	17.0	7.0	0.6	30	2	0	1	0	3	1	0	0	0	1
Dickinson	1,938	292	15.1	2.1	0.0	6	0	0	0	0	0	0	0	0	0	0
Eaton	8,413	1,328	15.8	3.5	0.3	41	1	2	1	0	4	0	1	0	0	1
Emmet	2,631	235	8.9	2.6	0.0	6	0	0	0	0	0	0	0	0	0	0
Genesee	40,470	7,112	17.6	4.7	0.4	287	22	5	3	1	31	14	0	0	0	14
Gladwin	1,829	267	14.6	3.7	0.0	10	0	0	0	0	0	0	0	0	0	0
Gogebic	936	253	27.0	3.2	0.0	6	0	0	0	0	0	1	0	1	0	2
Grand Traverse	7,088	944	13.3	2.0	0.0	19	0	0	0	0	0	0	0	0	0	0
Gratiot	3,339	480	14.4	2.3	0.0	11	0	0	0	0	0	0	0	0	0	0
Hillsdale	3,946	710	18.0	8.7	1.0	48	5	1	1	0	7	6	1	0	0	7
Houghton	2,770	531	19.2	3.8	0.2	19	0	0	1	0	1	0	0	0	0	0
Huron	2,244	507	22.6	6.1	0.2	25	1	0	0	0	1	4	1	0	0	5
Ingham	24,163	5,312	22.0	5.7	0.5	275	11	7	6	0	24	2	1	2	0	5
Ionia	5,753	904	15.7	4.0	0.4	31	4	0	0	0	4	1	0	0	0	1
Iosco	1,679	258	15.4	4.7	0.0	9	0	0	0	0	0	3	0	0	0	3
Iron	673	165	24.5	3.0	0.0	4	0	0	0	0	0	1	0	0	0	1
Isabella	5,008	476	9.5	1.5	0.0	7	0	0	0	0	0	0	0	0	0	0
Jackson	14,186	2,584	18.2	8.9	0.7	202	8	5	5	0	18	8	1	1	0	10
Kalamazoo	21,952	3,914	17.8	8.8	0.8	285	16	6	9	0	31	22	5	0	0	27
Kalkaska	1,527	210	13.8	4.8	0.5	9	1	0	0	0	1	0	0	0	0	0
Kent	64,517	10,274	15.9	8.1	0.7	735	49	9	11	0	69	25	4	4	0	33
Keweenaw	166	37	22.3	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0
Lake	806	152	18.9	3.3	0.0	5	0	0	0	0	0	0	0	0	0	0
Lapeer	7,068	730	10.3	3.6	0.3	24	1	1	0	0	2	0	0	0	0	0
Leelanau	1,365	174	12.7	2.9	0.0	4	0	0	0	0	0	0	1	0	0	1
Lenawee	8,504	1,722	20.2	7.4	0.6	113	4	5	1	0	10	3	1	1	0	5
Livingston	14,848	1,049	7.1	1.8	0.3	16	1	1	1	0	3	0	0	0	0	0
Luce	409	91	22.2	2.2	0.0	2	0	0	0	0	0	0	0	0	0	0
Mackinac	700	128	18.3	7.8	0.0	7	0	0	0	0	0	3	0	0	0	3
Macomb	71,189	9,426	13.2	2.0	0.3	157	14	4	6	0	24	5	0	0	0	5
Manistee	1,729	313	18.1	8.0	0.3	23	0	0	1	0	1	0	1	0	0	1
Marquette	4,429	702	15.9	3.6	0.0	25	0	0	0	0	0	0	0	0	0	0
Mason	2,244	394	17.6	10.2	0.3	35	1	0	0	0	1	3	1	0	0	4
Mecosta	3,153	367	11.6	2.5	0.0	9	0	0	0	0	0	0	0	0	0	0
Menominee	1,740	249	14.3	4.0	0.4	9	0	0	1	0	1	0	0	0	0	0
Midland	6,567	745	11.3	5.1	0.0	37	0	0	0	0	0	1	0	0	0	1
Missaukee	1,205	143	11.9	2.8	0.0	4	0	0	0	0	0	0	0	0	0	0
Monroe	12,567	1,870	14.9	3.7	0.4	61	4	1	3	0	8	1	0	0	0	1
Montcalm	5,708	819	14.3	2.8	0.0	21	0	0	0	0	0	2	0	0	0	2
Montmorency	616	97	15.7	4.1	0.0	4	0	0	0	0	0	0	0	0	0	0
Muskegon	16,306	3,746	23.0	9.8	1.0	316	19	9	9	0	37	14	0	0	0	14
Newaygo	4,407	691	15.7	4.5	0.1	29	1	0	0	0	1	1	0	0	0	1
Oakland	102,917	14,754	14.3	2.1	0.2	269	17	8	10	0	35	11	1	0	0	12
Oceana	2,693	650	24.1	2.0	0.2	11	0	0	1	0	1	1	0	0	0	1
Ogemaw	1,477	249	16.9	2.8	0.0	7	0	0	0	0	0	0	0	0	0	0
Ononagon	326	75	23.0	8.0	0.0	6	0	0	0	0	0	0	0	0	0	0
Osceola	2,023	246	12.2	6.5	0.4	15	0	1	0	0	1	0	0	0	0	0
Oscoda	610	69	11.3	4.3	0.0	3	0	0	0	0	0	0	0	0	0	0
Otsego	1,918	316	16.5	0.9	0.0	3	0	0	0	0	0	0	0	0	0	0
Ottawa	25,367	2,365	9.3	3.8	0.2	76	2	2	1	0	5	8	1	0	0	9
Presque Isle	837	114	13.6	3.5	0.0	4	0	0	0	0	0	0	0	0	0	0
Roscommon	1,455	225	15.5	1.8	0.0	4	0	0	0	0	0	0	0	0	0	0
Saginaw	17,417	3,585	20.6	7.1	0.6	218	14	5	2	0	21	10	1	3	0	14
St Clair	14,171	1,480	10.4	5.4	0.1	68	1	1	0	0	2	9	1	0	0	10
St Joseph	6,430	1,240	19.3	11.7	0.6	123	4	2	1	0	7	10	1	4	0	15
Sanilac	3,625	630	17.4	5.4	0.0	33	0	0	0	0	0	1	0	0	0	1
Schoolcraft	525	125	23.8	5.6	0.0	7	0	0	0	0	0	0	0	0	0	0
Shiawassee	5,950	900	15.1	2.9	0.2	24	0	1	1	0	2	0	0	0	0	0
Tuscola	4,456	721	16.2	2.5	0.4	14	2	1	0	0	3	1	0	0	0	1
Van Buren	7,372	1,107	15.0	3.8	0.1	39	1	0	0	0	1	1	0	1	0	2
Washtenaw	29,137	3,072	10.5	3.6	0.3	99	6	1	1	0	8	1	0	2	0	3
Wayne	183,540	51,428	28.0	9.9	1.7	4,094	506	174	162	11	853	104	16	17	1	138
Wexford	2,852	343	12.0	1.7	0.3	5	0	1	0	0	1	0	0	0	0	0
MICHIGAN	881,973	157,618	17.9	6.7	0.8	8,809	764	271	251	13	1,299	310	44	38	1	393

Sources: 2008 Population Estimates, U.S. Census Bureau (county populations); MDCH Data Warehouse, Lead Specimen table (children tested and elevated levels)

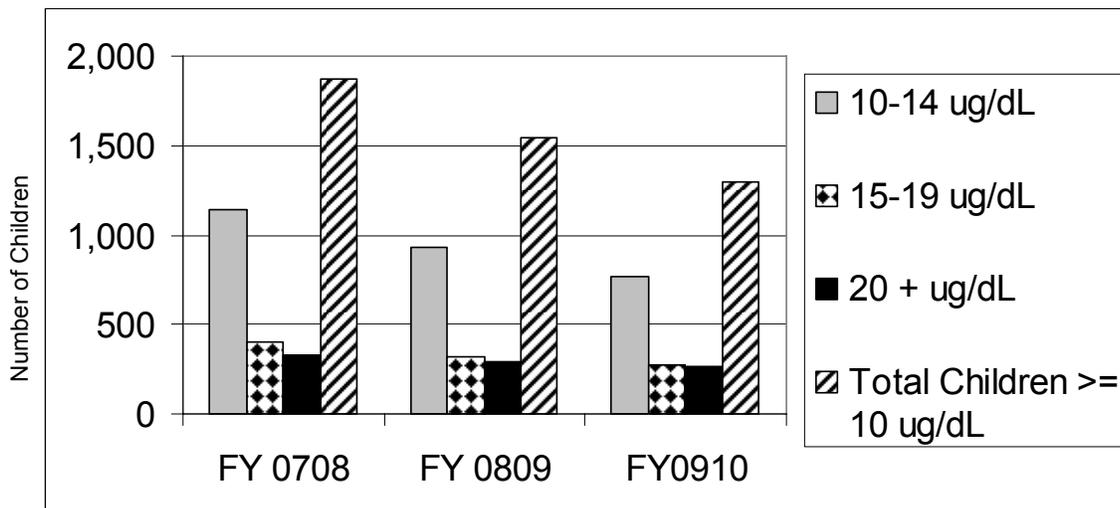
Note: %EBLL is calculated as follows: Number of Children w/EBLL divided by (Number of Children Tested minus Children w/elevated capillary tests, not confirmed by venous)

**Table 2  
Childhood Lead Poisoning Data Facts -- Fiscal Year 2009-2010 -- By County -- Children less than Sixteen Years of Age**

County	Children Tested for Lead					Children with Low-Level Exposure (5 to 9 ug/dl, venous or unknown)	Children with Confirmed Elevated Blood Lead Levels					Children with Elevated Capillary Tests, Not Confirmed by Venous				
	Children under Age 16*	Number of Children Tested	% Tested	% with BLL >= 5 ug/dl	% EBLL (>= 10 ug/dl, venous only)**		10-14 ug/dl (venous only)	15-19 ug/dl (venous only)	20-44 ug/dl (venous only)	>= 45 ug/dl (venous only)	Total EBLL (>= 10 ug/dl)	Capillary 10-14 not confirmed by venous	Capillary 15-19 not confirmed by venous	Capillary 20-44 not confirmed by venous	Capillary >= 45 not confirmed by venous	Total Elevated Capillary, not confirmed by venous
Alcona	1,532	113	7.4	6.2	0.0	6	0	0	0	0	0	1	0	0	0	1
Alger	1,401	128	9.1	3.9	0.0	5	0	0	0	0	0	0	0	0	0	0
Allegan	24,793	1,449	5.8	4.7	0.3	61	1	1	2	4	3	0	0	0	0	3
Alpena	5,070	343	6.8	4.7	0.0	16	0	0	0	0	0	0	0	0	0	0
Antrim	4,312	317	7.4	3.5	0.0	11	0	0	0	0	0	0	0	0	0	0
Arenac	2,819	224	7.9	2.7	0.0	6	0	0	0	0	0	0	0	0	0	0
Baraga	1,465	128	8.7	0.8	0.0	1	0	0	0	0	0	0	0	0	0	0
Barry	12,003	645	5.4	7.3	0.5	43	1	1	1	3	1	0	0	0	0	1
Bay	20,573	1,499	7.3	8.5	1.0	110	12	1	2	15	2	1	0	0	0	3
Benzie	3,289	171	5.2	3.5	0.0	6	0	0	0	0	0	0	0	0	0	0
Berrien	33,535	2,426	7.2	8.7	1.3	171	16	10	4	1	31	7	1	0	0	8
Branch	9,223	710	7.7	12.0	0.0	73	0	0	0	0	0	9	2	1	0	12
Calhoun	28,794	2,550	8.9	6.9	0.9	149	15	3	3	1	22	6	0	0	0	6
Cass	9,674	651	6.7	5.2	0.3	29	1	1	0	0	2	3	0	0	0	3
Charlevoix	5,028	223	4.4	2.2	0.9	3	1	1	0	0	2	0	0	0	0	0
Cheboygan	4,776	246	5.2	2.4	0.0	6	0	0	0	0	0	0	0	0	0	0
Chippewa	6,340	559	8.8	3.2	0.0	16	0	0	0	0	0	0	1	1	0	2
Clare	5,699	487	8.5	1.8	0.0	9	0	0	0	0	0	0	0	0	0	0
Clinton	14,562	685	4.7	1.5	0.0	10	0	0	0	0	0	0	0	0	0	0
Crawford	2,437	128	5.3	0.8	0.0	1	0	0	0	0	0	0	0	0	0	0
Delta	6,685	493	7.4	7.3	1.0	30	2	2	1	5	1	0	0	0	0	1
Dickinson	4,820	298	6.2	2.0	0.0	6	0	0	0	0	0	0	0	0	0	0
Eaton	20,738	1,373	6.6	3.4	0.3	41	1	2	1	4	3	0	1	0	0	1
Emmet	6,372	244	3.8	2.5	0.0	6	0	0	0	0	0	0	0	0	0	0
Genesee	94,796	7,635	8.1	4.5	0.4	293	23	5	3	1	32	14	1	0	0	15
Gladwin	4,503	280	6.2	3.9	0.0	11	0	0	0	0	0	0	0	0	0	0
Gogebic	2,379	262	11.0	3.1	0.0	6	0	0	0	0	0	1	0	1	0	2
Grand Traverse	16,422	983	6.0	1.9	0.0	19	0	0	0	0	0	0	0	0	0	0
Gratiot	7,761	510	6.6	2.5	0.0	13	0	0	0	0	0	0	0	0	0	0
Hillsdale	9,350	743	7.9	8.5	1.0	49	5	1	1	7	6	1	0	0	0	7
Houghton	6,445	542	8.4	3.7	0.2	19	0	0	1	0	1	0	0	0	0	0
Huron	5,618	518	9.2	6.0	0.2	25	1	0	0	0	1	4	1	0	0	5
Ingham	55,627	5,452	9.8	5.7	0.5	279	12	7	6	0	25	2	1	2	0	5
Ionia	13,310	936	7.0	3.8	0.4	31	4	0	0	0	4	1	0	0	0	1
Iosco	4,148	261	6.3	4.6	0.0	9	0	0	0	0	0	3	0	0	0	3
Iron	1,725	168	9.7	3.0	0.0	4	0	0	0	0	0	1	0	0	0	1
Isabella	11,985	494	4.1	1.4	0.0	7	0	0	0	0	0	0	0	0	0	0
Jackson	33,007	2,643	8.0	8.8	0.7	205	8	5	5	0	18	8	1	1	0	10
Kalamazoo	50,587	4,123	8.2	8.5	0.8	290	16	8	9	0	33	22	5	0	0	27
Kalkaska	3,482	222	6.4	4.5	0.5	9	1	0	0	0	1	0	0	0	0	0
Kent	144,049	10,546	7.3	8.0	0.7	749	49	9	11	1	70	25	0	4	0	29
Keweenaw	369	37	10.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0
Lake	1,895	187	9.9	3.2	0.0	6	0	0	0	0	0	0	0	0	0	0
Lapeer	18,024	755	4.2	3.6	0.4	24	2	1	0	0	3	0	0	0	0	0
Leelanau	3,535	184	5.2	3.3	0.0	5	0	0	0	0	0	0	1	0	0	1
Lenawee	20,046	1,773	8.8	7.4	0.6	116	5	5	1	0	11	3	1	1	0	5
Livingston	38,011	1,107	2.9	1.7	0.3	16	1	1	1	0	3	0	0	0	0	0
Luce	1,019	96	9.4	2.1	0.0	2	0	0	0	0	0	0	0	0	0	0
Mackinac	1,699	130	7.7	7.7	0.0	7	0	0	0	0	0	3	0	0	0	3
Macomb	169,320	10,163	6.0	2.0	0.3	171	15	5	7	2	29	5	0	0	0	5
Manistee	4,231	324	7.7	8.0	0.6	23	1	0	1	0	2	0	1	0	0	1
Marquette	10,805	718	6.6	3.5	0.0	25	0	0	0	0	0	0	0	0	0	0
Mason	5,251	405	7.7	10.1	0.2	36	1	0	0	0	1	3	1	0	0	4
Mecosta	7,764	384	4.9	2.3	0.0	9	0	0	0	0	0	0	0	0	0	0
Menominee	4,345	250	5.8	4.0	0.4	9	0	0	1	0	1	0	0	0	0	0
Midland	16,559	798	4.8	4.9	0.1	37	1	0	0	0	1	1	0	0	0	1
Missaukee	2,967	147	5.0	2.7	0.0	4	0	0	0	0	0	0	0	0	0	0
Monroe	30,959	1,946	6.3	3.6	0.4	61	4	1	3	0	8	1	0	0	0	1
Montcalm	13,089	880	6.7	2.7	0.0	22	0	0	0	0	0	2	0	0	0	2
Montmorency	1,534	100	6.5	4.0	0.0	4	0	0	0	0	0	0	0	0	0	0
Muskegon	37,707	3,871	10.3	9.8	1.0	325	21	9	9	0	39	14	0	0	0	14
Newaygo	10,529	708	6.7	4.5	0.1	30	1	0	0	0	1	1	0	0	0	1
Oakland	248,701	15,592	6.3	2.1	0.2	282	18	10	10	0	38	11	1	0	0	12
Oceana	5,975	668	11.2	1.9	0.1	11	0	0	1	0	1	1	0	0	0	1
Ogemaw	3,622	259	7.2	2.7	0.0	7	0	0	0	0	0	0	0	0	0	0
Ononagon	882	77	8.7	7.8	0.0	6	0	0	0	0	0	0	0	0	0	0
Osceola	4,641	257	5.5	6.6	0.4	16	0	1	0	0	1	0	0	0	0	0
Oscoda	1,493	71	4.8	4.2	0.0	3	0	0	0	0	0	0	0	0	0	0
Otsego	4,620	330	7.1	0.9	0.0	3	0	0	0	0	0	0	0	0	0	0
Ottawa	59,443	2,458	4.1	3.7	0.2	78	2	2	1	0	5	8	1	0	0	9
Presque Isle	2,074	126	6.1	3.2	0.0	4	0	0	0	0	0	0	0	0	0	0
Roscommon	3,729	230	6.2	2.2	0.0	5	0	0	0	0	0	0	0	0	0	0
Saginaw	41,868	3,735	8.9	7.0	0.6	224	15	5	2	0	22	10	1	3	0	14
St Clair	34,409	1,524	4.4	5.3	0.1	69	1	1	0	0	2	9	1	0	0	10
St Joseph	14,248	1,273	8.9	11.7	0.6	127	4	2	1	0	7	10	1	4	0	15
Sanilac	8,684	647	7.5	5.4	0.0	34	0	0	0	0	0	1	0	0	0	1
Schoolcraft	1,400	128	9.1	5.5	0.0	7	0	0	0	0	0	0	0	0	0	0
Shiawassee	14,407	951	6.6	2.8	0.2	25	0	1	1	0	2	0	0	0	0	0
Tuscola	10,863	739	6.8	2.4	0.4	14	2	1	0	0	3	1	0	0	0	1
Van Buren	16,979	1,194	7.0	3.6	0.1	40	1	0	0	0	1	1	0	1	0	2
Washtenaw	68,087	3,187	4.7	3.5	0.3	100	6	2	1	0	9	1	0	2	0	3
Wayne	440,478	55,755	12.7	9.5	1.6	4,246	533	178	168	12	891	106	17	17	1	141
Wexford	6,450	352	5.5	1.7	0.3	5	0	1	0	0	1	0	0	0	0	0
MICHIGAN	2,093,845	166,924	8.0	6.5	0.8	9,071	803	283	258	18	1,362	312	42	38	1	393

Sources: 2008 Population Estimates, U.S. Census Bureau (county populations); MDCH Data Warehouse, Lead Specimen table (children tested and elevated levels)  
 Note: %EBLL is calculated as follows: Number of Children with EBLL divided by (Number of Children Tested minus Children with elevated capillary tests, not confirmed by venous)

**Figure 1**  
**Michigan Children Confirmed as Lead Poisoned**  
**Fiscal Years 2006-07 through 2009-10**



Blood Lead Test Result	Fiscal Year 2007-08	Fiscal Year 2008-09	Fiscal Year 2009-10
10-14 µg/dL	1,140	932	764
15-19 µg/dL	401	317	271
≥ 20 µg/dL	333	291	264
<b>Total Children ≥ 10 µg/dL</b>	<b>1,874</b>	<b>1,540</b>	<b>1,299</b>
<b>Total Children through Six Years of Age Tested</b>	<b>158,423</b>	<b>160,442</b>	<b>157,618</b>

Michigan Department of Community Health, Childhood Lead Poisoning Prevention Program

12/14/2010

A blood lead level of  $\geq 10$  µg/dL (micrograms/deciliter) is considered to be diagnostic of lead poisoning. Recommended actions include the following:

- 10-19 µg/dL – Referrals are made to the local health department for follow-up. A nurse makes a home visit to recommend a diet high in iron, calcium and Vitamin C to decrease the potential for absorption of lead from the environment. There is a review of environmental factors that can place the child at-risk for lead poisoning.
- $\geq 20$  µg/dL – Medical management is needed. Referrals are made to the local health departments for home visits by both a nurse and an environmental health sanitarian. The environmental health sanitarian inspects the home to determine the source of the lead poisoning and recommends actions for lead hazard control. When blood lead levels reach 45 µg/dL and over, hospitalization is required for chelation therapy. The danger to the child increases with the blood lead level. Levels of 70 µg/dL or more are considered medical emergencies requiring immediate hospitalization and intervention. Children who have been hospitalized for treatment cannot return to their homes until the environmental lead has been removed.