



Blood Lead Level Test Results for Selected Flint Zip Codes, Genesee County, and the State of Michigan Executive Summary for February 2021 Data as of April 02, 2021*

This report is generated by MDHHS to track Blood Lead Level test results in Flint, Michigan.

Background

- Blood lead level testing is an important part of efforts to identify people who have been harmed by drinking water that contained lead, and from other sources of lead exposure in the home. MDHHS recognizes that the full community of Flint must be the focus of the public health response.

Data Presentation

- Counts in this report include both capillary and venous blood tests.
- People who have had multiple tests are counted only once per year or per time period in the tables. People counted in one calendar year/time period who were tested again in the next calendar year/time period are counted in both years/time periods.

Summary of Findings

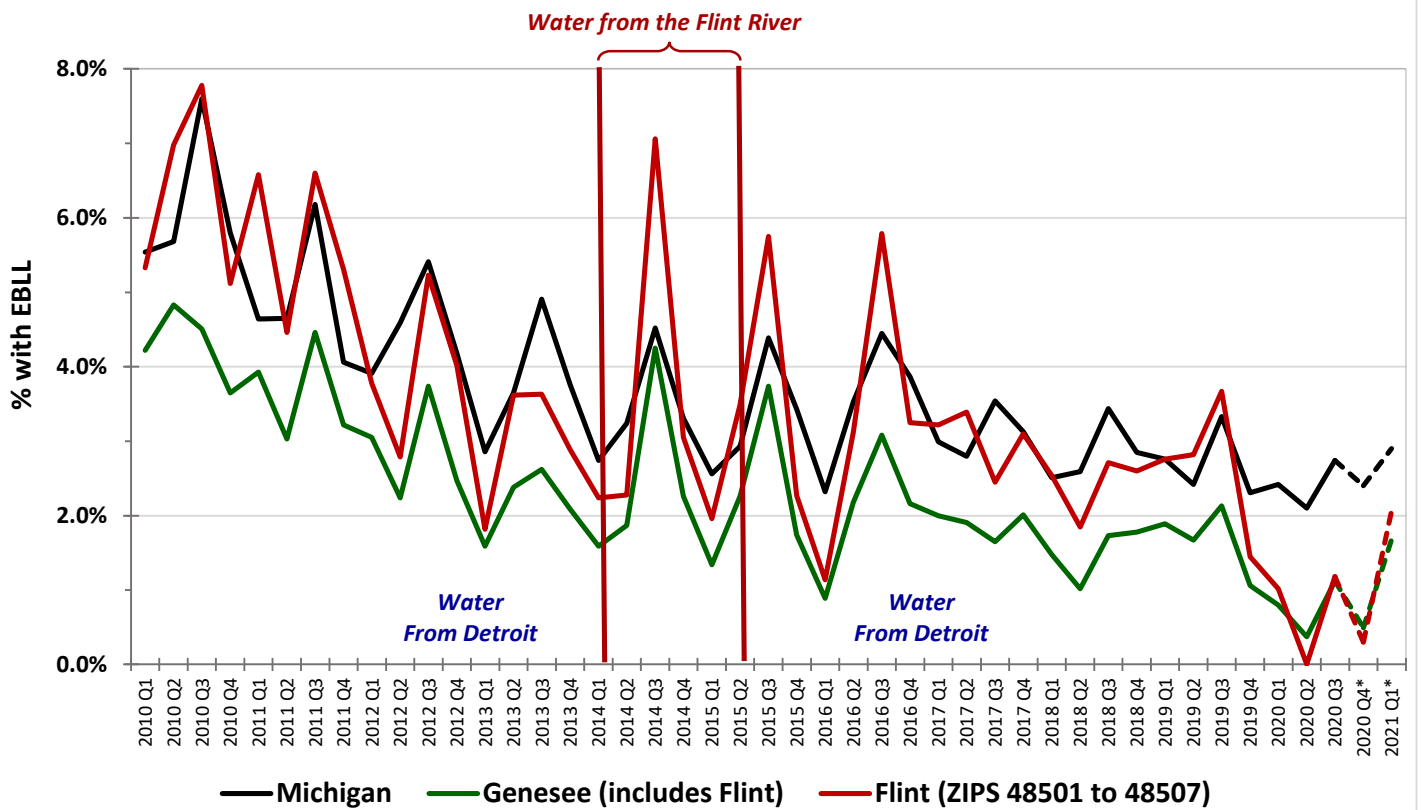
- Between 10/1/2015 and 02/28/2021, 44,979 people had a blood lead test in Flint (zip codes 48501-48507).
- Since 10/1/2015, 386 children under age 18 in the Flint zip codes 48501-48507 had elevated blood lead levels: blood lead levels greater than or equal to 5 µg/dL (micrograms lead per deciliter of blood).
- Of the 13,112 children younger than 6 years old tested since 10/1/2015, 2.6% had blood lead levels greater than or equal to 5 µg/dL.

PLEASE NOTE: Changes in numbers of test results due to algorithm change

- * The chart of blood the percent of children less than six years of age with elevated blood lead levels has been modified slightly. The chart label for the time period when Flint residents were exposed to water from the Flint River has been moved above the chart to make it easier to read.

Percentage of Children < 6 Years of Age with Elevated Blood Lead Levels ($\geq 5 \mu\text{g}/\text{dL}$) by Quarter[†], Michigan, 2010 - 2021*

*Data as of April 02, 2021



† People who have had multiple tests are counted only once per year; if they are tested in more than one year, they will be counted once in each year they were tested.

Counts on this chart include both capillary and venous blood tests.

* Data for Quarter 4 of 2020 and Quarter 1 of 2021 are provisional and subject to change.

Table 1. Percentage of elevated blood lead levels ($\geq 5 \mu\text{g}/\text{dL}$) among tested children less than 6 years of age, 2014 – 2021

			Michigan	Genesee County	Flint 48501-48507
Annual Results	01/01/2021 to 02/28/2021	Total # of children tested for lead	16,705	773	340
		Children with test results $\geq 5 \mu\text{g}/\text{dL}$	484	13	7
		% of children with results $\geq 5 \mu\text{g}/\text{dL}$	2.9%	1.7%	2.1%
	01/01/2020 to 12/31/2020	Total # of children tested for lead	94,032	3,808	1,616
		Children with test results $\geq 5 \mu\text{g}/\text{dL}$	2,301	29	13
		% of children with results $\geq 5 \mu\text{g}/\text{dL}$	2.4%	0.8%	0.8%
	01/01/2019 to 12/31/2019	Total # of children tested for lead	143,221	6,068	2,779
		Children with test results $\geq 5 \mu\text{g}/\text{dL}$	3,912	104	76
		% of children with results $\geq 5 \mu\text{g}/\text{dL}$	2.7%	1.7%	2.7%
	1/1/2018 to 12/31/2018	Total # of children tested for lead	142,098	6,349	2,972
		Children with test results $\geq 5 \mu\text{g}/\text{dL}$	4,081	95	72
		% of children with results $\geq 5 \mu\text{g}/\text{dL}$	2.9%	1.5%	2.4%
	1/1/2017 to 12/31/2017	Total # of children tested for lead	150,160	6,717	3,103
		Children with test results $\geq 5 \mu\text{g}/\text{dL}$	4,702	126	93
		% of children with results $\geq 5 \mu\text{g}/\text{dL}$	3.1%	1.9%	3.0%
	1/1/2016 to 12/31/2016	Total # of children tested for lead	157,570	11,652	6,578
		Children with test results $\geq 5 \mu\text{g}/\text{dL}$	5,641	206	166
		% of children with results $\geq 5 \mu\text{g}/\text{dL}$	3.6%	1.8%	2.5%
	1/1/2015 to 12/31/2015	Total # of children tested for lead	141,507	6,980	3,384
		Children with test results $\geq 5 \mu\text{g}/\text{dL}$	4,796	159	111
		% of children with results $\geq 5 \mu\text{g}/\text{dL}$	3.4%	2.3%	3.3%
1/1/2014 to 12/31/2014	Total # of children tested for lead	143,855	6,808	3,092	
	Children with test results $\geq 5 \mu\text{g}/\text{dL}$	5,067	178	122	
	% of children with results $\geq 5 \mu\text{g}/\text{dL}$	3.5%	2.6%	3.9%	
During Flint River Use	4/1/2014 to 9/30/2015	Total # of children tested for lead	197,446	9,246	4,151
		Children with test results $\geq 5 \mu\text{g}/\text{dL}$	6,964	251	167
		% of children with results $\geq 5 \mu\text{g}/\text{dL}$	3.5%	2.7%	4.0%
After Flint River Use	10/01/2015 to 02/28/2021	Total # of children tested for lead	535,337	27,399	13,112
		Children with test results $\geq 5 \mu\text{g}/\text{dL}$	16,111	457	337
		% of children with results $\geq 5 \mu\text{g}/\text{dL}$	3.0%	1.7%	2.6%

Table 2. Percentage of elevated blood lead levels ($\geq 5 \mu\text{g/dL}$) among tested children 6 to 17 years of age, 2014 – 2021

			Michigan	Genesee County	Flint 48501-48507	
Annual Results	01/01/2021 to 02/28/2021	Total # of children tested for lead	1,214	146	95	
		Children with test results $\geq 5 \mu\text{g/dL}$	42	1	1	
		% of children with results $\geq 5 \mu\text{g/dL}$	3.5%	0.7%	1.1%	
	01/01/2020 to 12/31/2020	Total # of children tested for lead	7,093	765	453	
		Children with test results $\geq 5 \mu\text{g/dL}$	142	7	3	
		% of children with results $\geq 5 \mu\text{g/dL}$	2.0%	0.9%	0.7%	
	01/01/2019 to 12/31/2019	Total # of children tested for lead	11,597	1,352	862	
		Children with test results $\geq 5 \mu\text{g/dL}$	235	11	6	
		% of children with results $\geq 5 \mu\text{g/dL}$	2.0%	0.8%	0.7%	
	1/1/2018 to 12/31/2018	Total # of children tested for lead	12,066	1,806	1,139	
		Children with test results $\geq 5 \mu\text{g/dL}$	245	9	7	
		% of children with results $\geq 5 \mu\text{g/dL}$	2.0%	0.5%	0.6%	
	1/1/2017 to 12/31/2017	Total # of children tested for lead	13,665	2,493	1,671	
		Children with test results $\geq 5 \mu\text{g/dL}$	279	16	13	
		% of children with results $\geq 5 \mu\text{g/dL}$	2.0%	0.6%	0.8%	
	1/1/2016 to 12/31/2016	Total # of children tested for lead	24,299	9,663	7,303	
		Children with test results $\geq 5 \mu\text{g/dL}$	423	55	39	
		% of children with results $\geq 5 \mu\text{g/dL}$	1.7%	0.6%	0.5%	
	1/1/2015 to 12/31/2015	Total # of children tested for lead	10,431	1,572	1,082	
		Children with test results $\geq 5 \mu\text{g/dL}$	258	10	8	
		% of children with results $\geq 5 \mu\text{g/dL}$	2.5%	0.6%	0.7%	
	1/1/2014 to 12/31/2014	Total # of children tested for lead	10,554	786	371	
		Children with test results $\geq 5 \mu\text{g/dL}$	286	6	5	
		% of children with results $\geq 5 \mu\text{g/dL}$	2.7%	0.8%	1.3%	
	During Flint River Use	4/1/2014 to 9/30/2015	Total # of children tested for lead	14,880	1,179	581
			Children with test results $\geq 5 \mu\text{g/dL}$	351	9	7
			% of children with results $\geq 5 \mu\text{g/dL}$	2.4%	0.8%	1.2%
After Flint River Use	10/01/2015 to 02/28/2021	Total # of children tested for lead	61,942	14,263	9,986	
		Children with test results $\geq 5 \mu\text{g/dL}$	976	67	49	
		% of children with results $\geq 5 \mu\text{g/dL}$	1.6%	0.5%	0.5%	

Table 3. Percentage of elevated blood lead levels ($\geq 5 \mu\text{g/dL}$) among tested adults at least 18 years of age, 2014 - 2021

			Michigan	Genesee County	Flint 48501-48507
Annual Results	01/01/2021 to 02/28/2021	Total # of children tested for lead	1,983	296	170
		Children with test results $\geq 5 \mu\text{g/dL}$	175	3	2
		% of children with results $\geq 5 \mu\text{g/dL}$	8.8%	1.0%	1.2%
	01/01/2020 to 12/31/2020	Total # of adults tested for lead	13,104	1,936	1,047
		Adults with test results $\geq 5 \mu\text{g/dL}$	898	28	12
		% of adults with results $\geq 5 \mu\text{g/dL}$	6.9%	1.4%	1.1%
	01/01/2019 to 12/31/2019	Total # of adults tested for lead	17,460	3,675	1,954
		Adults with test results $\geq 5 \mu\text{g/dL}$	1,060	55	17
		% of adults with results $\geq 5 \mu\text{g/dL}$	6.1%	1.5%	0.9%
	1/1/2018 to 12/31/2018	Total # of adults tested for lead	18,597	4,669	2,536
		Adults with test results $\geq 5 \mu\text{g/dL}$	993	54	23
		% of adults with results $\geq 5 \mu\text{g/dL}$	5.3%	1.2%	0.9%
	1/1/2017 to 12/31/2017	Total # of adults tested for lead	18,210	5,363	3,226
		Adults with test results $\geq 5 \mu\text{g/dL}$	1,129	91	58
		% of adults with results $\geq 5 \mu\text{g/dL}$	6.2%	1.7%	1.8%
	1/1/2016 to 12/31/2016	Total # of adults tested for lead	34,527	20,220	15,834
		Adults with test results $\geq 5 \mu\text{g/dL}$	1,371	305	246
		% of adults with results $\geq 5 \mu\text{g/dL}$	4.0%	1.5%	1.6%
	1/1/2015 to 12/31/2015	Total # of adults tested for lead	11,809	1,251	811
		Adults with test results $\geq 5 \mu\text{g/dL}$	1,138	49	21
		% of adults with results $\geq 5 \mu\text{g/dL}$	9.6%	3.9%	2.6%
1/1/2014 to 12/31/2014	Total # of adults tested for lead	10,761	437	112	
	Adults with test results $\geq 5 \mu\text{g/dL}$	1,182	44	12	
	% of adults with results $\geq 5 \mu\text{g/dL}$	11.0%	10.1%	10.7%	
During Flint River Use	4/1/2014 to 9/30/2015	Total # of adults tested for lead	15,655	675	203
		Adults with test results $\geq 5 \mu\text{g/dL}$	1,541	57	15
		% of adults with results $\geq 5 \mu\text{g/dL}$	9.8%	8.4%	7.4%
After Flint River Use	10/01/2015 to 02/28/2021	Total # of adults tested for lead	91,536	31,906	21,881
		Adults with test results $\geq 5 \mu\text{g/dL}$	3,932	441	315
		% of adults with results $\geq 5 \mu\text{g/dL}$	4.3%	1.4%	1.4%

Table 4. Percentage of elevated blood lead levels ($\geq 5 \mu\text{g}/\text{dL}$) among tested residents of all ages, 2014 – 2021

			Michigan	Genesee County	Flint 48501-48507	
Annual Results	01/01/2021 to 02/28/2021	Total # of children tested for lead	19,902	1,215	605	
		Children with test results $\geq 5 \mu\text{g}/\text{dL}$	701	17	10	
		% of children with results $\geq 5 \mu\text{g}/\text{dL}$	3.5%	1.4%	1.7%	
	01/01/2020 to 12/31/2020	Total # of people tested for lead	114,229	6,509	3,116	
		People with test results $\geq 5 \mu\text{g}/\text{dL}$	3,341	64	28	
		% of people with results $\geq 5 \mu\text{g}/\text{dL}$	2.9%	1.0%	0.9%	
	01/01/2019 to 12/31/2019	Total # of people tested for lead	172,278	11,095	5,595	
		People with test results $\geq 5 \mu\text{g}/\text{dL}$	5,207	170	99	
		% of people with results $\geq 5 \mu\text{g}/\text{dL}$	3.0%	1.5%	1.8%	
	1/1/2018 to 12/31/2018	Total # of people tested for lead	172,761	12,824	6,647	
		People with test results $\geq 5 \mu\text{g}/\text{dL}$	5,319	158	102	
		% of people with results $\geq 5 \mu\text{g}/\text{dL}$	3.1%	1.2%	1.5%	
	1/1/2017 to 12/31/2017	Total # of people tested for lead	182,035	14,573	8,000	
		People with test results $\geq 5 \mu\text{g}/\text{dL}$	6,110	233	164	
		% of people with results $\geq 5 \mu\text{g}/\text{dL}$	3.4%	1.6%	2.1%	
	1/1/2016 to 12/31/2016	Total # of people tested for lead	216,396	41,535	29,715	
		People with test results $\geq 5 \mu\text{g}/\text{dL}$	7,435	566	451	
		% of people with results $\geq 5 \mu\text{g}/\text{dL}$	3.4%	1.4%	1.5%	
	1/1/2015 to 12/31/2015	Total # of people tested for lead	163,747	9,803	5,277	
		People with test results $\geq 5 \mu\text{g}/\text{dL}$	6,192	218	140	
		% of people with results $\geq 5 \mu\text{g}/\text{dL}$	3.8%	2.2%	2.7%	
	1/1/2014 to 12/31/2014	Total # of people tested for lead	165,170	8,031	3,575	
		People with test results $\geq 5 \mu\text{g}/\text{dL}$	6,535	228	139	
		% of people with results $\geq 5 \mu\text{g}/\text{dL}$	4.0%	2.8%	3.9%	
	During Flint River Use	4/1/2014 to 9/30/2015	Total # of people tested for lead	227,981	11,100	4,935
			People with test results $\geq 5 \mu\text{g}/\text{dL}$	8,856	317	189
			% of people with results $\geq 5 \mu\text{g}/\text{dL}$	3.9%	2.9%	3.8%
After Flint River Use	10/01/2015 to 02/28/2021	Total # of people tested for lead	688,815	73,568	44,979	
		People with test results $\geq 5 \mu\text{g}/\text{dL}$	21,019	965	701	
		% of people with results $\geq 5 \mu\text{g}/\text{dL}$	3.1%	1.3%	1.6%	