



Blood Lead Level Test Results for Selected Flint Zip Codes, Genesee County, and the State of Michigan Executive Summary for May 2021 Data as of July 19, 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

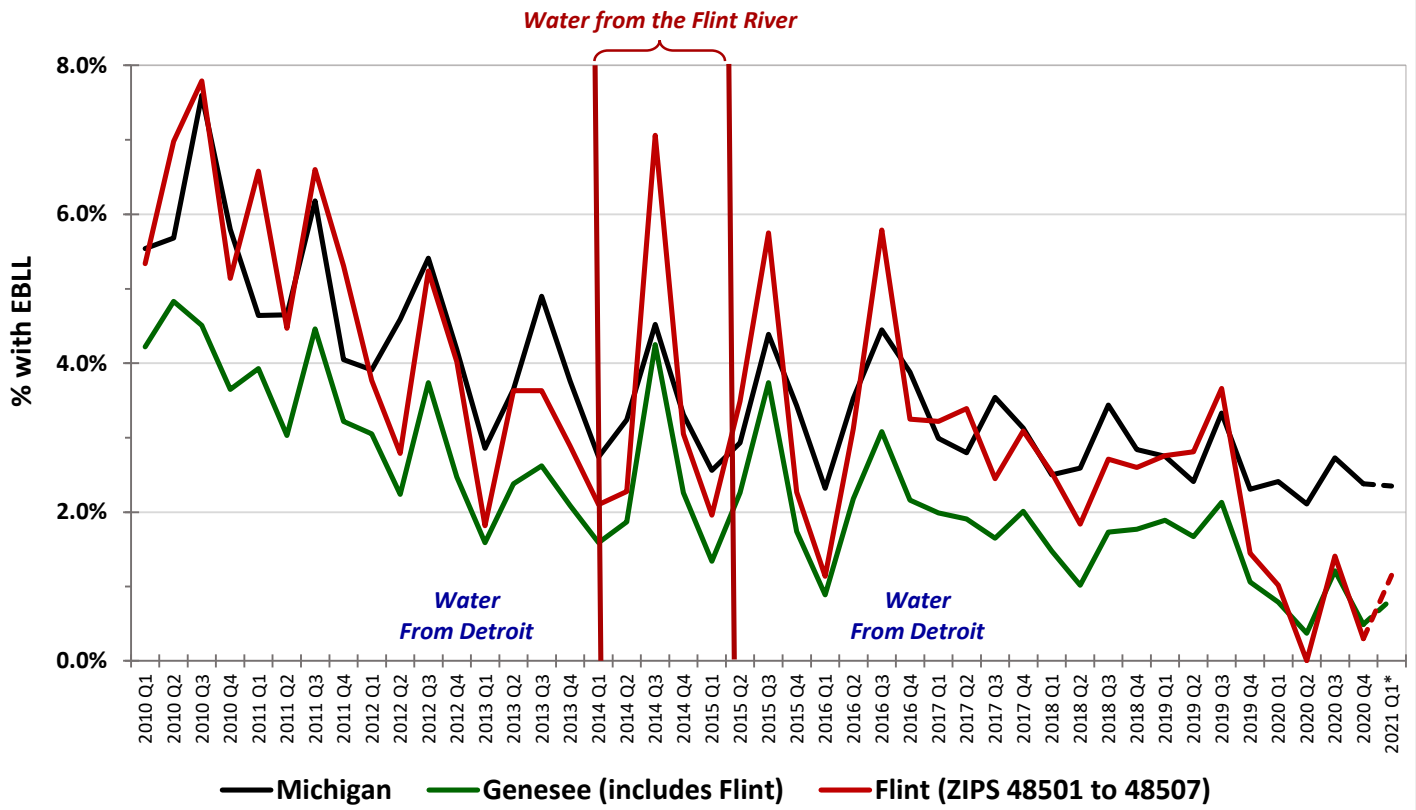
- Between 10/1/2015 and 05/31/2021, 45,498 people had a blood lead test in Flint (zip codes 48501-48507).
- Since 10/1/2015, 390 children under age 18 in the Flint zip codes 48501-48507 had elevated blood lead levels: blood lead levels greater than or equal to 5 µg/dL (micrograms lead per deciliter of blood).
- Of the 13,373 children younger than 6 years old tested since 10/1/2015, 2.5% had blood lead levels greater than or equal to 5 µg/dL.

PLEASE NOTE:

- * The MDHHS Data Warehouse is updating their algorithm to assign a unique identifying number (the MPI) and CLPPP continuously works to identify data quality problems with the blood lead surveillance database. As a result, the numbers of tests and numbers of children tested in this report may differ slightly from previous reports. Results in the most current report are considered to be more accurate than the numbers in previous reports.

Percentage of Children < 6 Years of Age with Elevated Blood Lead Levels (≥ 5 µg/dL) by Quarter†, Michigan, 2010 - 2021*

*Data as of July 19, 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 1 of 2021 are provisional and subject to change.

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

			Michigan	Genesee County	Flint 48501-48507	
Annual Results	01/01/2021 to 05/31/2021	Total # of children tested for lead	43,462	1,919	818	
		Children with test results $\geq 5 \mu\text{g/dL}$	991	15	9	
		% of children with results $\geq 5 \mu\text{g/dL}$	2.3%	0.8%	1.1%	
	01/01/2020 to 12/31/2020	Total # of children tested for lead	94,296	3,820	1,623	
		Children with test results $\geq 5 \mu\text{g/dL}$	2,302	30	14	
		% of children with results $\geq 5 \mu\text{g/dL}$	2.4%	0.8%	0.9%	
	01/01/2019 to 12/31/2019	Total # of children tested for lead	143,252	6,075	2,782	
		Children with test results $\geq 5 \mu\text{g/dL}$	3,907	104	76	
		% of children with results $\geq 5 \mu\text{g/dL}$	2.7%	1.7%	2.7%	
	1/1/2018 to 12/31/2018	Total # of children tested for lead	142,159	6,357	2,977	
		Children with test results $\geq 5 \mu\text{g/dL}$	4,076	95	72	
		% of children with results $\geq 5 \mu\text{g/dL}$	2.9%	1.5%	2.4%	
	1/1/2017 to 12/31/2017	Total # of children tested for lead	150,214	6,720	3,105	
		Children with test results $\geq 5 \mu\text{g/dL}$	4,701	126	93	
		% of children with results $\geq 5 \mu\text{g/dL}$	3.1%	1.9%	3.0%	
	1/1/2016 to 12/31/2016	Total # of children tested for lead	157,611	11,654	6,578	
		Children with test results $\geq 5 \mu\text{g/dL}$	5,643	206	166	
		% of children with results $\geq 5 \mu\text{g/dL}$	3.6%	1.8%	2.5%	
	1/1/2015 to 12/31/2015	Total # of children tested for lead	141,508	6,980	3,382	
		Children with test results $\geq 5 \mu\text{g/dL}$	4,796	159	111	
		% of children with results $\geq 5 \mu\text{g/dL}$	3.4%	2.3%	3.3%	
	1/1/2014 to 12/31/2014	Total # of children tested for lead	143,855	6,808	3,091	
		Children with test results $\geq 5 \mu\text{g/dL}$	5,067	178	121	
		% of children with results $\geq 5 \mu\text{g/dL}$	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 $\geq 5 \mu\text{g/dL}$	6,964	251	167
			% of children with results $\geq 5 \mu\text{g/dL}$	3.5%	2.7%	4.0%
After Flint River Use	10/01/2015 to 05/31/2021	Total # of children tested for lead	552,832	28,095	13,373	
		Children with test results $\geq 5 \mu\text{g/dL}$	16,394	460	341	
		% of children with results $\geq 5 \mu\text{g/dL}$	3.0%	1.6%	2.5%	

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 05/31/2021	Total # of children tested for lead	3,344	410	274	
		Children with test results $\geq 5 \mu\text{g/dL}$	87	2	2	
		% of children with results $\geq 5 \mu\text{g/dL}$	2.6%	0.5%	0.7%	
	01/01/2020 to 12/31/2020	Total # of children tested for lead	7,137	766	454	
		Children with test results $\geq 5 \mu\text{g/dL}$	141	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	11,596	1,350	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	12,065	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	13,664	2,492	1,670	
		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	24,296	9,663	7,302	
		Children with test results $\geq 5 \mu\text{g/dL}$	422	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	10,430	1,572	1,081	
		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	10,553	786	370	
		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%	1.4%	
	During Flint River Use	4/1/2014 to 9/30/2015	Total # of children tested for lead	14,878	1,179	579
			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 05/31/2021	Total # of children tested for lead	63,389	14,393	10,065	
		Children with test results $\geq 5 \mu\text{g/dL}$	989	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 05/31/2021	Total # of children tested for lead	6,368	910	539
		Children with test results $\geq 5 \mu\text{g/dL}$	403	14	7
		% of children with results $\geq 5 \mu\text{g/dL}$	6.3%	1.5%	1.3%
	01/01/2020 to 12/31/2020	Total # of adults tested for lead	13,702	1,946	1,048
		Adults with test results $\geq 5 \mu\text{g/dL}$	897	28	12
		% of adults with results $\geq 5 \mu\text{g/dL}$	6.5%	1.4%	1.1%
	01/01/2019 to 12/31/2019	Total # of adults tested for lead	17,310	3,652	1,937
		Adults with test results $\geq 5 \mu\text{g/dL}$	1,013	54	17
		% of adults with results $\geq 5 \mu\text{g/dL}$	5.9%	1.5%	0.9%
	1/1/2018 to 12/31/2018	Total # of adults tested for lead	18,493	4,660	2,531
		Adults with test results $\geq 5 \mu\text{g/dL}$	953	53	23
		% of adults with results $\geq 5 \mu\text{g/dL}$	5.2%	1.1%	0.9%
	1/1/2017 to 12/31/2017	Total # of adults tested for lead	18,133	5,362	3,227
		Adults with test results $\geq 5 \mu\text{g/dL}$	1,117	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	34,405	20,204	15,817
		Adults with test results $\geq 5 \mu\text{g/dL}$	1,335	305	246
		% of adults with results $\geq 5 \mu\text{g/dL}$	3.9%	1.5%	1.6%
	1/1/2015 to 12/31/2015	Total # of adults tested for lead	11,747	1,250	811
		Adults with test results $\geq 5 \mu\text{g/dL}$	1,112	48	21
		% of adults with results $\geq 5 \mu\text{g/dL}$	9.5%	3.8%	2.6%
1/1/2014 to 12/31/2014	Total # of adults tested for lead	10,705	433	110	
	Adults with test results $\geq 5 \mu\text{g/dL}$	1,155	43	12	
	% of adults with results $\geq 5 \mu\text{g/dL}$	10.8%	9.9%	10.9%	
During Flint River Use	4/1/2014 to 9/30/2015	Total # of adults tested for lead	15,598	671	201
		Adults with test results $\geq 5 \mu\text{g/dL}$	1,518	55	15
		% of adults with results $\geq 5 \mu\text{g/dL}$	9.7%	8.2%	7.5%
After Flint River Use	10/01/2015 to 05/31/2021	Total # of adults tested for lead	94,860	32,243	22,060
		Adults with test results $\geq 5 \mu\text{g/dL}$	3,994	447	318
		% of adults with results $\geq 5 \mu\text{g/dL}$	4.2%	1.4%	1.4%

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

			Michigan	Genesee County	Flint 48501-48507	
Annual Results	01/01/2021 to 05/31/2021	Total # of children tested for lead	53,174	3,239	1,631	
		Children with test results $\geq 5 \mu\text{g/dL}$	1,481	31	18	
		% of children with results $\geq 5 \mu\text{g/dL}$	2.8%	1.0%	1.1%	
	01/01/2020 to 12/31/2020	Total # of people tested for lead	115,135	6,532	3,125	
		People with test results $\geq 5 \mu\text{g/dL}$	3,340	65	29	
		% of people with results $\geq 5 \mu\text{g/dL}$	2.9%	1.0%	0.9%	
	01/01/2019 to 12/31/2019	Total # of people tested for lead	172,158	11,077	5,581	
		People with test results $\geq 5 \mu\text{g/dL}$	5,155	169	99	
		% of people with results $\geq 5 \mu\text{g/dL}$	3.0%	1.5%	1.8%	
	1/1/2018 to 12/31/2018	Total # of people tested for lead	172,717	12,823	6,647	
		People with test results $\geq 5 \mu\text{g/dL}$	5,274	157	102	
		% of people with results $\geq 5 \mu\text{g/dL}$	3.1%	1.2%	1.5%	
	1/1/2017 to 12/31/2017	Total # of people tested for lead	182,011	14,574	8,002	
		People with test results $\geq 5 \mu\text{g/dL}$	6,097	233	164	
		% of people with results $\geq 5 \mu\text{g/dL}$	3.3%	1.6%	2.0%	
	1/1/2016 to 12/31/2016	Total # of people tested for lead	216,312	41,521	29,697	
		People with test results $\geq 5 \mu\text{g/dL}$	7,400	566	451	
		% of people with results $\geq 5 \mu\text{g/dL}$	3.4%	1.4%	1.5%	
	1/1/2015 to 12/31/2015	Total # of people tested for lead	163,685	9,802	5,274	
		People with test results $\geq 5 \mu\text{g/dL}$	6,166	217	140	
		% of people with results $\geq 5 \mu\text{g/dL}$	3.8%	2.2%	2.7%	
	1/1/2014 to 12/31/2014	Total # of people tested for lead	165,113	8,027	3,571	
		People with test results $\geq 5 \mu\text{g/dL}$	6,508	227	138	
		% of people with results $\geq 5 \mu\text{g/dL}$	3.9%	2.8%	3.9%	
	During Flint River Use	4/1/2014 to 9/30/2015	Total # of people tested for lead	227,922	11,096	4,931
			People with test results $\geq 5 \mu\text{g/dL}$	8,833	315	189
			% of people with results $\geq 5 \mu\text{g/dL}$	3.9%	2.8%	3.8%
After Flint River Use	10/01/2015 to 05/31/2021	Total # of people tested for lead	711,081	74,731	45,498	
		People with test results $\geq 5 \mu\text{g/dL}$	21,377	974	708	
		% of people with results $\geq 5 \mu\text{g/dL}$	3.0%	1.3%	1.6%	