

Blood Lead Level Test Results for Selected Flint Zip Codes, Genesee County, and the State of Michigan Executive Summary as of November 01, 2019*

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

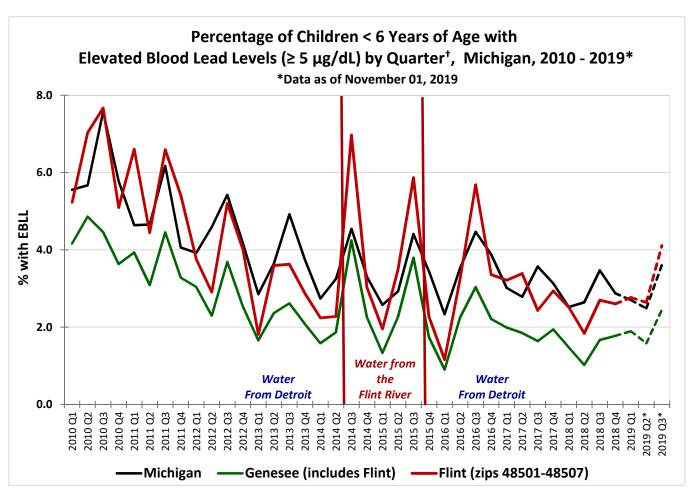
- Counts in this report include both capillary and venous blood tests.
- People who have had multiple tests are counted only once per year or per time period in the tables. People counted
 in one calendar year/time period who were tested again in the next calendar year/time period are counted in both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

Summary of Findings

- Between 10/1/2015 and 11/01/2019, 42,837 people had a blood lead test in Flint (zip codes 48501-48507).
- Since 10/1/2015, 381 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 μ g/dL (micrograms lead per deciliter of blood).
- Of the 12,042 children younger than 6 years old tested since 10/1/2015, 2.8% had blood lead levels greater than or equal to 5 μg/dL.

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

* Starting August 30, 2019, CLPPP has updated the algorithm selecting on test per person for the timeframes 'During Flint River Use' 4/1/2014 - 9/30/2015 and 'After Flint River Use' 10/1/2015-present. Counts are now one test per person for the entire period listed. Previously, the counts were one test per person per year in that time period. For example, a person could have been counted twice in the 'During Flint River Use' period, both in 4/1/2014-12/31/2014 and in 1/1/2015 - 9/30/2015. Counts will be lower for these time periods than in previous reports.



- † 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 Quarters 1 and 2 of 2019 are provisional and subject to change.

Table 1. Percentage of elevated blood lead levels (≥ 5 µg/dL) among tested children less than 6 years of age, 2014 – 2019

			Michigan	Genesee	Flint 48501-
			Michigan	County	48507
	1/01/2019 to 11/01/2019	Total # of children tested for lead	272,113	12,118	5,977
		Children with test results ≥5 μg/dL	13,214	407	305
		% of children with results ≥5 μg/dL	4.9%	3.4%	5.1%
	1/1/2018 to 12/31/2018	Total # of children tested for lead	142,356	6,362	2,984
		Children with test results ≥5 μg/dL	4,129	94	72
		% of children with results ≥5 µg/dL	2.9%	1.5%	2.4%
	1/1/2017 to 12/31/2017	Total # of children tested for lead	150,463	6,732	3,116
		Children with test results ≥5 μg/dL	4,727	124	92
		% of children with results ≥5 µg/dL	3.1%	1.8%	3.0%
Annual Results	1/1/2016 to	Total # of children tested for lead	158,041	11,710	6,624
	12/31/2016	Children with test results ≥5 μg/dL	5,669	209	169
		% of children with results ≥5 µg/dL	3.6%	1.8%	2.6%
	1/1/2015 to 12/31/2015	Total # of children tested for lead	141,759	6,992	3,393
		Children with test results ≥5 μg/dL	4,820	160	112
		% of children with results ≥5 µg/dL	3.4%	2.3%	3.3%
	1/1/2014 to 12/31/2014	Total # of children tested for lead	144,184	6,820	3,099
		Children with test results ≥5 μg/dL	5,091	178	121
		% of children with results ≥5 µg/dL	3.5%	2.6%	3.9%
During Flint River Use	4/1/2014 to 9/30/2015	Total # of children tested for lead	197,896	9,272	4,158
		Children with test results ≥5 μg/dL	7,006	252	167
		% of children with results ≥5 μg/dL	3.5%	2.7%	4.0%
After Flint River Use	10/01/2015 to 11/01/2019	Total # of children tested for lead	450,066	24,375	12,042
		Children with test results ≥5 μg/dL	14,295	435	332
		% of children with results ≥5 μg/dL	3.2%	1.8%	2.8%

Table 2. Percentage of elevated blood lead levels (≥ 5 μg/dL) among tested children 6 to 17 years of age, 2014 – 2019

			Michigan	Genesee	Flint 48501-
			Wilchigan	County	48507
	1/01/2019 to 11/01/2019	Total # of children tested for lead	23,779	1,851	1,095
		Children with test results ≥5 μg/dL	870	27	18
		% of children with results ≥5 µg/dL	3.7%	1.5%	1.6%
	1/1/2018 to 12/31/2018	Total # of children tested for lead	12,097	1,810	1,144
		Children with test results ≥5 μg/dL	252	9	7
		% of children with results ≥5 µg/dL	2.1%	0.5%	0.6%
	1/1/2017 to 12/31/2017	Total # of children tested for lead	13,694	2,497	1,671
		Children with test results ≥5 μg/dL	279	16	13
Annual Results		% of children with results ≥5 µg/dL	2.0%	0.6%	0.8%
Allitual Nesults	1/1/2016 +0	Total # of children tested for lead	24,324	9,680	7,318
	1/1/2016 to 12/31/2016	Children with test results ≥5 μg/dL	420	54	38
		% of children with results ≥5 µg/dL	1.7%	0.6%	0.5%
	1/1/2015 +0	Total # of children tested for lead	10,439	1,573	1,085
	1/1/2015 to 12/31/2015	Children with test results ≥5 μg/dL	255	9	7
		% of children with results ≥5 µg/dL	2.4%	0.6%	0.6%
	1/1/2014 to 12/31/2014	Total # of children tested for lead	10,577	788	372
		Children with test results ≥5 μg/dL	287	6	5
		% of children with results ≥5 µg/dL	2.7%	0.8%	1.3%
During Flint River	During Flint River 4/1/2014 to Use 9/30/2015	Total # of children tested for lead	14,902	1,180	582
_		Children with test results ≥5 μg/dL	352	8	6
Use	3/30/2013	% of children with results ≥5 µg/dL	2.4%	0.7%	1.0%
After Flint River	10/01/2015 to 11/01/2019	Total # of children tested for lead	54,415	13,709	9,727
		Children with test results ≥5 μg/dL	895	67	49
Use		% of children with results ≥5 μg/dL	1.6%	0.5%	0.5%

Table 3. Percentage of elevated blood lead levels (≥ 5 μg/dL) among tested adults at least 18 years of age, 2014 - 2019

2013			Michigan	Genesee County	Flint 48501- 48507
	1/01/2019 to 11/01/2019	Total # of adults tested for lead	25,781	3,842	1,917
		Adults with test results ≥5 μg/dL	2,203	88	36
		% of adults with results ≥5 μg/dL	8.5%	2.3%	1.9%
	1/1/2018 to 12/31/2018	Total # of adults tested for lead	18,638	4,663	2,533
		Adults with test results ≥5 μg/dL	1,028	56	24
		% of adults with results ≥5 μg/dL	5.5%	1.2%	0.9%
	1/1/2017 to 12/31/2017	Total # of adults tested for lead	18,160	5,342	3,216
		Adults with test results ≥5 μg/dL	1,132	91	58
Annual Results		% of adults with results ≥5 μg/dL	6.2%	1.7%	1.8%
Allilual Results	1/1/2016 to 12/31/2016	Total # of adults tested for lead	34,559	20,233	15,840
		Adults with test results ≥5 μg/dL	1,383	307	247
		% of adults with results ≥5 μg/dL	4.0%	1.5%	1.6%
	1/1/2015 to 12/31/2015	Total # of adults tested for lead	11,818	1,251	811
		Adults with test results ≥5 μg/dL	1,147	49	21
		% of adults with results ≥5 μg/dL	9.7%	3.9%	2.6%
	1/1/2014 to 12/31/2014	Total # of adults tested for lead	10,776	437	112
		Adults with test results ≥5 μg/dL	1,192	44	12
		% of adults with results ≥5 μg/dL	11.1%	10.1%	10.7%
During Flint River Use	4/1/2014 to 9/30/2015	Total # of adults tested for lead	15,676	676	203
		Adults with test results ≥5 μg/dL	1,554	57	15
		% of adults with results ≥5 μg/dL	9.9%	8.4%	7.4%
After Flint River	40/04/2045	Total # of adults tested for lead	77,325	30,161	21,068
	10/01/2015 to 11/01/2019	Adults with test results ≥5 μg/dL	3,390	426	310
use	Use 11/01/2019	% of adults with results ≥5 μg/dL	4.4%	1.4%	1.5%

			Michigan	Genesee	Flint 48501
			Michigan	County	48507
	4 /04 /0040 :	Total # of people tested for lead	273,428	14,486	7,319
	1/01/2019 to 11/01/2019	People with test results ≥5 μg/dL	14,445	455	321
	11/01/2019	% of people with results ≥5 µg/dL	5.3%	3.1%	4.4%
	1/1/2018 to 12/31/2018	Total # of people tested for lead	173,091	12,835	6,661
		People with test results ≥5 μg/dL	5,409	159	103
		% of people with results ≥5 µg/dL	3.1%	1.2%	1.5%
	1/1/2017 to	Total # of people tested for lead	182,317	14,571	8,003
	1/1/2017 10	People with test results ≥5 μg/dL	6,138	231	163
Annual Results	12/31/2017	% of people with results ≥5 µg/dL	3.4%	1.6%	2.0%
Annual Results	1/1/2016 to 12/31/2016	Total # of people tested for lead	216,924	41,623	29,782
		People with test results ≥5 μg/dL	7,472	570	454
		% of people with results ≥5 µg/dL	3.4%	1.4%	1.5%
	1/1/2015 to 12/31/2015	Total # of people tested for lead	164,016	9,816	5,289
		People with test results ≥5 μg/dL	6,222	218	140
		% of people with results ≥5 μg/dL	3.8%	2.2%	2.6%
	1/1/2014 to 12/31/2014	Total # of people tested for lead	165,537	8,045	3,583
		People with test results ≥5 μg/dL	6,570	228	138
		% of people with results ≥5 µg/dL	4.0%	2.8%	3.9%
During Flint River Use	4/1/2014 to 9/30/2015	Total # of people tested for lead	228,474	11,128	4,943
		People with test results ≥5 μg/dL	8,912	317	188
		% of people with results ≥5 µg/dL	3.9%	2.8%	3.8%
After Flint River Use	10/01/2015 to 11/01/2019	Total # of people tested for lead	581,806	68,245	42,837
		People with test results ≥5 μg/dL	18,580	928	691
		% of people with results ≥5 μg/dL	3.2%	1.4%	1.6%