



2018 Provisional Annual Report on Childhood Lead Testing and Elevated Levels: Michigan

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Prepared by

Childhood Lead Poisoning Prevention Program (CLPPP)
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Report Abbreviations

BLL: Blood Lead Level

CDC: Centers for Disease Control and Prevention

CLPPP: Childhood Lead Poisoning Prevention Program

EBLL: Elevated Blood Lead Level (≥ 5 $\mu\text{g}/\text{dL}$ of lead in the blood)

MDHHS: Michigan Department of Health and Human Services

$\mu\text{g}/\text{dL}$: Micrograms per deciliter

Introduction

About the Provisional Annual Report

Reporting Frequency

The Michigan Department of Health and Human Services (MDHHS) Childhood Lead Poisoning Prevention Program (CLPPP) produces reports twice a year in the form of a provisional annual report and the final annual report. **This report is the provisional annual report**

Provisional Report vs. Final Annual Report

Due to the time delay in laboratories reporting test results to CLPPP, the annual report is produced later in the year to include as many test results as possible. Provisional reports are made to be a shorter preview of the final annual report, so that information is available faster. However, **the information presented in the provisional report is not final and may change**. The final annual report has more detailed information and is made after we expect that most test results have arrived, so it is more accurate.

Changes Since Last Report

Changes in the information we have, how we analyze the data, or how we present the findings may result in slightly different counts compared to previous reports. For every new report, CLPPP updates all numbers to reflect any new or updated test results we have received, even if those test results are for past years. This change is made to maintain accuracy.

MDHHS Childhood Lead Poisoning Prevention Program

The MDHHS CLPPP began in 1992 and was formalized into state law in 1998 under [Michigan's Public Health Code MCL 333.5474](#). The mission of CLPPP is to prevent childhood lead poisoning across the state through surveillance, outreach, and health services. CLPPP focuses its activities on children younger than 6 years of age and their families, health care providers, and child health advocates in Michigan communities.

Blood Lead Testing

Exposure to lead is measured by blood tests to determine how much lead is in the blood; the amount is called a blood lead level (BLL). Tests are performed on capillary blood samples (from a finger stick) or venous blood samples (from a blood draw). Capillary tests are often used because they are easier to do. Elevated capillary test results are often false positives, meaning the BLL appears to be elevated when it is not.¹ A confirmatory venous blood retest should be used to verify elevated levels from capillary blood tests. Clinical laboratories and users of portable blood lead analyzers are required by state law to submit all blood lead test results to MDHHS CLPPP within five working days after test completion (see [Michigan's Public Health Code MCL 333.20531](#)).

MDHHS and the Centers for Disease Control and Prevention (CDC) consider 5* micrograms per deciliter ($\mu\text{g}/\text{dL}$) or greater of lead in the blood to be an elevated blood lead level (EBLL).²⁻⁴ When a venous test indicates an EBLL, interventions to identify and remove sources of lead are initiated. These may include public health nurse home visits for health assessment, family education, and assessment of the home for lead hazards; environmental investigations, a critical component for identifying all sources of exposure in a child's environment and assuring clearance of lead hazards; and additional testing to monitor the child's blood lead levels to ensure that the interventions have worked.

Methods

Blood Lead Surveillance Data

This report includes results of blood lead tests conducted from January 1, 2018 through December 31, 2018 for children under age 6 at the time of the test. These data were downloaded from the MDHHS CLPPP Blood Lead Surveillance database on November 1, 2019.

The child's street address, city, and ZIP code of residence were reported to CLPPP by the submitting laboratory. All addresses were cleaned, geocoded, and assigned a county in MiCLPS (the Michigan Childhood Lead Poisoning Surveillance data management software). In cases where geocoding failed, addresses were corrected by (1) contacting the submitting laboratory or provider who ordered the blood lead test or (2) using records for the same child in Michigan Medicaid records or the Michigan

* MDHHS considers results of 4.5 $\mu\text{g}/\text{dL}$ and higher as elevated because values from 4.5 to 4.9 round to the whole number 5.

Care Improvement Registry. In cases where the address could not be corrected, the county from the ordering provider's address was assigned to the test.

After addresses were corrected and geocoded in MiCLPS, blood lead test results for Michigan residents were uploaded to the blood lead surveillance database. Test results were assumed to be from a Michigan resident if the address included a Michigan city, county, and ZIP code. Test results were excluded from analysis if the address included a county, city, or ZIP code outside of Michigan or if there was no county, no city, and no ZIP code (a Michigan address could not be verified).

Each child was counted only once for calendar year 2018. If a child had multiple tests in 2018, the highest BLL obtained from a venous test was retained. If no venous test was performed, the highest BLL obtained from a capillary blood draw was retained. If the only test results were of unspecified sample type, then the highest of those results was used. If the result retained was $\geq 5 \mu\text{g/dL}$, the child was counted as having an EBLL. Analytical Approach

Counts and Percentages

The numbers of children tested and EBLL status of children are aggregated by four different geographies: (1) the state of Michigan, (2) counties (Table 1), where Detroit is treated as a separate "county" compared to the rest of Wayne county (listed as "*Wayne Detroit Only*" and "*Wayne No Detroit*"), (3) selected communities (Table 2), and (4) ZIP code (Table 3). Selected communities are areas with a history of high numbers of children with an EBLL and where MDHHS funds interventions to reduce the risk of lead exposure in children. These communities include Adrian, Detroit, Flint, Grand Rapids, Hamtramck, Highland Park, Jackson, Lansing, and Muskegon.

Blood lead test results were summed to create counts and to calculate percentages for groups residing in each geographic area. The following measures are included:

- Blood Lead Testing Coverage: Among children under 6 years old, the number who have had a venous or capillary blood lead test.
- All, Capillary, and Venous Elevated Blood Lead Levels: Among children under 6 years old who have had a blood lead test, the number and percentage with an EBLL ($\geq 5 \mu\text{g/dL}$). The percent is the number who had an elevated test result divided by the total number of children under 6 who had at least one test. EBLLs are further divided into EBLLs from capillary tests (includes those with unknown sample type) and venous tests.
- Venous Blood Lead Level Categories: Among children under 6 years old who have had a blood lead test, the count and percent with a venous BLL 5 to 14 $\mu\text{g/dL}$ and venous BLL at or above 15 $\mu\text{g/dL}$. The percentages are the number who had at least one venous blood lead test result in the result category divided by the total number of children who have had at least one test.

Data suppression

Counts from one (1) to five (5) are suppressed (not reported); other counts are not reported if they can be used to calculate the suppressed counts. These counts are replaced with an asterisk (*) in the tables. This is done to protect the privacy of people who had a blood lead test. Tables without suppression will be made available to local health departments upon request.

Results

Preliminary findings are presented in the following tables but are not interpreted. Results presented in the final annual report will be interpreted.

The Michigan Department of Health and Human Services will not exclude from participation in, deny benefits of, or discriminate against any individual or group because of race, sex, religion, age, national origin, color, height, weight, marital status, gender identification or expression, sexual orientation, partisan considerations, or a disability or genetic information that is unrelated to the person's eligibility.

Table 1. Blood Lead Levels for Children under 6 Years of Age by County, 2018[§]

County	All Blood Samples [†] # Tested	All [†] ≥ 5 µg/dL # Tested	All [†] ≥ 5 µg/dL % of Tested	Capillary [†] ≥ 5 µg/dL # Tested	Capillary [†] ≥ 5 µg/dL % of Tested	Venous ≥ 5 µg/dL # Tested	Venous ≥ 5 µg/dL % of Tested	Venous 5-14 µg/dL # Tested	Venous 5-14 µg/dL % of Tested	Venous ≥ 15 µg/dL # Tested	Venous ≥ 15 µg/dL % of Tested
ALCONA	95	*	-	*	-	*	-	*	-	0	0.0
ALGER	61	*	-	*	-	*	-	0	0.0	*	-
ALLEGAN	1,322	26	2.0	16	1.2	10	0.8	*	-	*	-
ALPENA	320	6	1.9	*	-	*	-	*	-	0	0.0
ANTRIM	277	*	-	*	-	*	-	*	-	0	0.0
ARENAC	211	*	-	*	-	*	-	*	-	0	0.0
BARAGA	126	*	-	*	-	0	0.0	0	0.0	0	0.0
BARRY	385	19	4.9	13	3.4	6	1.6	6	1.6	0	0.0
BAY	1,295	47	3.6	29	2.2	18	1.4	*	-	*	-
BENZIE	253	*	-	*	-	0	0.0	0	0.0	0	0.0
BERRIEN	1,565	39	2.5	*	-	*	-	*	-	*	-
BRANCH	373	25	6.7	18	4.8	7	1.9	*	-	*	-
CALHOUN	2,609	150	5.7	57	2.2	93	3.6	75	2.9	18	0.7
CASS	363	17	4.7	9	2.5	8	2.2	*	-	*	-
CHARLEVOIX	236	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CHEBOYGAN	247	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CHIPPEWA	409	*	-	*	-	*	-	*	-	0	0.0
CLARE	410	6	1.5	*	-	*	-	*	-	0	0.0
CLINTON	684	17	2.5	11	1.6	6	0.9	6	0.9	0	0.0

[§] Data current as of 11/1/2019.

[†] Includes tests where the type of sample was not reported. In 2018, a total of 113 children (0.08% of all tested) had an unknown sample type.

* Data are suppressed. Suppression means that counts from one (1) to five (5) are not reported (replaced with an * in the table above). Other counts are also not reported if they can be used to calculate the suppressed counts. This is done to protect the privacy of people who had a blood lead test.

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CRAWFORD	113	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	318	*	-	*	-	*	-	*	-	0	0.0
DICKINSON	221	*	-	*	-	*	-	*	-	0	0.0
EATON	1,099	19	1.7	10	0.9	9	0.8	9	0.8	0	0.0
EMMET	305	*	-	0	0.0	*	-	*	-	0	0.0
GENESEE	6,362	94	1.5	53	0.8	41	0.6	35	0.6	6	0.1
GLADWIN	297	*	-	*	-	*	-	*	-	0	0.0
GOGEBIC	163	*	-	*	-	*	-	*	-	*	-
GRAND TRAVERSE	1,462	16	1.1	*	-	*	-	*	-	0	0.0
GRATIOT	413	9	2.2	*	-	*	-	*	-	0	0.0
HILLSDALE	564	22	3.9	12	2.1	10	1.8	*	-	*	-
HOUGHTON	500	9	1.8	*	-	*	-	*	-	*	-
HURON	369	7	1.9	*	-	*	-	*	-	0	0.0
INGHAM	4,608	138	3.0	87	1.9	51	1.1	42	0.9	9	0.2
IONIA	969	46	4.7	27	2.8	19	2.0	*	-	*	-
IOSCO	286	6	2.1	*	-	*	-	*	-	0	0.0
IRON	122	*	-	0	0.0	*	-	*	-	0	0.0
ISABELLA	690	7	1.0	*	-	*	-	*	-	0	0.0
JACKSON	2,906	141	4.9	107	3.7	34	1.2	*	-	*	-

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KALAMAZOO	3,194	84	2.6	29	0.9	55	1.7	48	1.5	7	0.2
KALKASKA	202	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
KENT	9,488	330	3.5	129	1.4	201	2.1	180	1.9	21	0.2
KEWEENAW	22	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LAKE	136	*	-	*	-	*	-	*	-	0	0.0
LAPEER	932	21	2.3	*	-	*	-	*	-	0	0.0
LEELANAU	272	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LENAWEE	1,148	41	3.6	16	1.4	25	2.2	*	-	*	-
LIVINGSTON	1,075	6	0.6	*	-	*	-	*	-	*	-
LUCE	79	*	-	*	-	*	-	*	-	0	0.0
MACKINAC	119	*	-	0	0.0	*	-	0	0.0	*	-
MACOMB	12,177	88	0.7	42	0.3	46	0.4	*	-	*	-
MANISTEE	275	*	-	*	-	*	-	*	-	0	0.0
MARQUETTE	456	16	3.5	6	1.3	10	2.2	*	-	*	-
MASON	452	20	4.4	*	-	*	-	*	-	*	-
MECOSTA	391	*	-	*	-	0	0.0	0	0.0	0	0.0
MENOMINEE	230	8	3.5	*	-	*	-	*	-	0	0.0
MIDLAND	404	7	1.7	*	-	*	-	*	-	0	0.0
MISSAUKEE	132	*	-	*	-	*	-	*	-	0	0.0
MONROE	1,468	18	1.2	*	-	*	-	*	-	*	-

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Table 1. Blood Lead Levels for Children under 6 Years of Age by County, 2018[§]

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MONTCALM	795	29	3.6	18	2.3	11	1.4	*	-	*	-
MONTMORENCY	80	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MUSKEGON	2,660	154	5.8	97	3.6	57	2.1	49	1.8	8	0.3
NEWAYGO	510	*	-	*	-	*	-	*	-	0	0.0
OAKLAND	16,312	214	1.3	117	0.7	97	0.6	*	-	*	-
OCEANA	467	7	1.5	*	-	*	-	*	-	*	-
OGEMAW	215	*	-	*	-	*	-	0	0.0	*	-
ONTONAGON	42	*	-	*	-	*	-	*	-	0	0.0
OSCEOLA	338	7	2.1	*	-	*	-	*	-	0	0.0
OSCODA	80	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
OTSEGO	250	*	-	*	-	0	0.0	0	0.0	0	0.0
OTTAWA	3,092	61	2.0	21	0.7	40	1.3	33	1.1	7	0.2
PRESQUE ISLE	76	*	-	0	0.0	*	-	*	-	0	0.0
ROSCOMMON	210	*	-	*	-	0	0.0	0	0.0	0	0.0
SAGINAW	3,139	95	3.0	54	1.7	41	1.3	*	-	*	-
SAINT CLAIR	2,660	106	4.0	76	2.9	30	1.1	*	-	*	-
SAINT JOSEPH	988	42	4.3	28	2.8	14	1.4	*	-	*	-
SANILAC	354	8	2.3	*	-	*	-	*	-	0	0.0
SCHOOLCRAFT	89	*	-	*	-	0	0.0	0	0.0	0	0.0
SHIAWASSEE	1,225	37	3.0	21	1.7	16	1.3	*	-	*	-

[§] Data current as of 11/1/2019.

[†] Includes tests where the type of sample was not reported. In 2018, a total of 113 children (0.08% of all tested) had an unknown sample type.

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- Indicates a percent for a suppressed value.

Table 1. Blood Lead Levels for Children under 6 Years of Age by County, 2018[§]

County	All Blood Samples [†] # Tested	All [†] ≥ 5 µg/dL # Tested	All [†] ≥ 5 µg/dL % of Tested	Capillary [†] ≥ 5 µg/dL # Tested	Capillary [†] ≥ 5 µg/dL % of Tested	Venous ≥ 5 µg/dL # Tested	Venous ≥ 5 µg/dL % of Tested	Venous 5-14 µg/dL # Tested	Venous 5-14 µg/dL % of Tested	Venous ≥ 15 µg/dL # Tested	Venous ≥ 15 µg/dL % of Tested
TUSCOLA	730	9	1.2	*	-	*	-	*	-	*	-
VAN BUREN	910	20	2.2	7	0.8	13	1.4	*	-	*	-
WASHTENAW	2,931	37	1.3	8	0.3	29	1.0	*	-	*	-
WAYNE DETROIT ONLY	19,973	1,407	7.0	317	1.6	1,090	5.5	967	4.8	123	0.6
WAYNE NO DETROIT	18,263	311	1.7	128	0.7	183	1.0	164	0.9	19	0.1
WEXFORD	307	*	-	0	0.0	*	-	*	-	*	-
MICHIGAN	142,356	4,124	2.9	1,718	1.2	2,406	1.7	2,125	1.5	281	0.2

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- Indicates a percent for a suppressed value.

Table 2. Blood Lead Levels for Children under 6 Years of Age by Selected Community, 2018[§]

Selected Community	All Blood Samples [†] # Tested	All [†] ≥ 5 µg/dL # Tested	All [†] ≥ 5 µg/dL % of Tested	Capillary [†] ≥ 5 µg/dL # Tested	Capillary [†] ≥ 5 µg/dL % of Tested	Venous ≥ 5 µg/dL # Tested	Venous ≥ 5 µg/dL % of Tested	Venous 5-14 µg/dL # Tested	Venous 5-14 µg/dL % of Tested	Venous ≥ 15 µg/dL # Tested	Venous ≥ 15 µg/dL % of Tested
ADRIAN	556	23	4.1	8	1.4	15	2.7	*	-	*	-
DETROIT	19,973	1,407	7.0	317	1.6	1,090	5.5	967	4.8	123	0.6
FLINT	3,340	78	2.3	40	1.2	38	1.1	32	1.0	6	0.2
GRAND RAPIDS	6,053	277	4.6	106	1.8	171	2.8	150	2.5	21	0.3
HAMTRAMCK	1,210	62	5.1	13	1.1	49	4.0	*	-	*	-
HIGHLAND PARK	310	46	14.8	6	1.9	40	12.9	*	-	*	-
JACKSON	2,249	119	5.3	92	4.1	27	1.2	*	-	*	-
LANSING	3,684	115	3.1	68	1.8	47	1.3	38	1.0	9	0.2
MUSKEGON	2,019	145	7.2	93	4.6	52	2.6	45	2.2	7	0.3
MICHIGAN	142,356	4,124	2.9	1,718	1.2	2,406	1.7	2,125	1.5	281	0.2

[§] Data current as of 11/1/2019.

[†] Includes tests where the type of sample was not reported. In 2018, a total of 113 children (0.08% of all tested) had an unknown sample type.* Data are suppressed. Suppression means that counts between one (1) and five (5) are not reported (replaced with an * in the table above). Other counts are also not reported if they can be used to calculate the suppressed counts. This is done to protect the privacy of people who had a blood lead test.

- Indicates a percent for a suppressed value.

Table 3. Blood Lead Levels for Children under 6 Years of Age for ZIP Codes, ¥ 2018[§]

ZIP Code	All Blood Samples [†] # Tested	All [†] ≥ 5 µg/dL # Tested	All [†] ≥ 5 µg/dL % of Tested	Capillary [†] ≥ 5 µg/dL # Tested	Capillary [†] ≥ 5 µg/dL % of Tested	Venous ≥ 5 µg/dL # Tested	Venous ≥ 5 µg/dL % of Tested	Venous 5-14 µg/dL # Tested	Venous 5-14 µg/dL % of Tested	Venous ≥ 15 µg/dL # Tested	Venous ≥ 15 µg/dL % of Tested
48001	132	*	-	*	-	*	-	*	-	0	0.0
48002	28	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48003	72	*	-	0	0.0	*	-	*	-	0	0.0
48004	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48005	42	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48006	30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48009	376	*	-	*	-	0	0.0	0	0.0	0	0.0
48014	69	*	-	*	-	0	0.0	0	0.0	0	0.0
48015	134	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48017	112	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48021	633	13	2.1	*	-	*	-	*	-	*	-
48022	26	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48023	52	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48025	146	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48026	190	*	-	0	0.0	*	-	*	-	0	0.0
48027	36	*	-	0	0.0	*	-	0	0.0	*	-
48028	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48030	208	*	-	*	-	0	0.0	0	0.0	0	0.0

¥If a Michigan ZIP code does not appear in the table, it means that there were zero tests reported for children under 6 residing in that ZIP code. In 2018, there were no tests missing a ZIP code.

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ZIP Code	All Blood Samples [†] # Tested	All [†] ≥ 5 µg/dL # Tested	All [†] ≥ 5 µg/dL % of Tested	Capillary [†] ≥ 5 µg/dL # Tested	Capillary [†] ≥ 5 µg/dL % of Tested	Venous ≥ 5 µg/dL # Tested	Venous ≥ 5 µg/dL % of Tested	Venous 5-14 µg/dL # Tested	Venous 5-14 µg/dL % of Tested	Venous ≥ 15 µg/dL # Tested	Venous ≥ 15 µg/dL % of Tested
48032	21	*	-	*	-	0	0.0	0	0.0	0	0.0
48033	280	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48034	219	6	2.7	*	-	*	-	*	-	0	0.0
48035	521	*	-	*	-	*	-	*	-	0	0.0
48036	389	*	-	*	-	*	-	*	-	0	0.0
48037	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48038	575	*	-	*	-	*	-	*	-	0	0.0
48039	86	*	-	0	0.0	*	-	*	-	0	0.0
48040	136	*	-	*	-	0	0.0	0	0.0	0	0.0
48041	53	*	-	*	-	0	0.0	0	0.0	0	0.0
48042	347	*	-	*	-	*	-	*	-	0	0.0
48043	256	*	-	*	-	*	-	0	0.0	*	-
48044	646	*	-	*	-	*	-	*	-	0	0.0
48045	281	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48046	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48047	482	*	-	*	-	*	-	*	-	0	0.0
48048	170	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48049	46	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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48050	18	*	-	0	0.0	*	-	0	0.0	*	-
48051	247	*	-	*	-	0	0.0	0	0.0	0	0.0
48054	48	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48059	226	*	-	*	-	*	-	*	-	0	0.0
48060	1,228	85	6.9	62	5.0	23	1.9	*	-	*	-
48061	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48062	87	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48063	48	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48064	48	*	-	0	0.0	*	-	*	-	0	0.0
48065	95	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48066	724	8	1.1	*	-	*	-	6	0.8	0	0.0
48067	286	*	-	*	-	*	-	*	-	0	0.0
48069	31	*	-	*	-	0	0.0	0	0.0	0	0.0
48070	79	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48071	376	*	-	*	-	*	-	*	-	0	0.0
48072	203	*	-	*	-	0	0.0	0	0.0	0	0.0
48073	415	*	-	*	-	*	-	*	-	0	0.0
48074	165	*	-	*	-	0	0.0	0	0.0	0	0.0

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48075	373	*	-	*	-	*	-	*	-	0	0.0
48076	345	*	-	*	-	0	0.0	0	0.0	0	0.0
48079	118	*	-	0	0.0	*	-	*	-	*	-
48080	284	*	-	*	-	0	0.0	0	0.0	0	0.0
48081	211	*	-	*	-	*	-	0	0.0	*	-
48082	193	*	-	0	0.0	*	-	*	-	0	0.0
48083	295	*	-	*	-	*	-	*	-	0	0.0
48084	212	*	-	*	-	*	-	*	-	0	0.0
48085	270	*	-	*	-	*	-	*	-	0	0.0
48086	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48088	278	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48089	749	10	1.3	*	-	*	-	6	0.8	0	0.0
48090	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48091	749	6	0.8	*	-	*	-	*	-	0	0.0
48092	387	*	-	*	-	*	-	*	-	0	0.0
48093	393	*	-	0	0.0	*	-	*	-	0	0.0
48094	196	*	-	*	-	*	-	*	-	0	0.0
48095	44	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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48096	24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48097	77	*	-	*	-	0	0.0	0	0.0	0	0.0
48098	191	*	-	*	-	*	-	*	-	0	0.0
48101	421	*	-	*	-	0	0.0	0	0.0	0	0.0
48103	432	6	1.4	0	0.0	6	1.4	6	1.4	0	0.0
48104	157	*	-	0	0.0	*	-	*	-	0	0.0
48105	237	*	-	0	0.0	*	-	*	-	*	-
48106	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48108	245	*	-	*	-	*	-	*	-	0	0.0
48111	525	*	-	*	-	*	-	*	-	0	0.0
48112	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48114	97	*	-	0	0.0	*	-	*	-	0	0.0
48116	106	*	-	*	-	0	0.0	0	0.0	0	0.0
48117	87	*	-	*	-	0	0.0	0	0.0	0	0.0
48118	70	*	-	*	-	0	0.0	0	0.0	0	0.0
48120	295	7	2.4	0	0.0	7	2.4	*	-	*	-
48121	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48122	350	*	-	*	-	0	0.0	0	0.0	0	0.0

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48123	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48124	415	*	-	*	-	*	-	0	0.0	*	-
48125	421	6	1.4	*	-	*	-	*	-	0	0.0
48126	1,473	16	1.1	*	-	*	-	*	-	*	-
48127	728	6	0.8	*	-	*	-	*	-	*	-
48128	166	*	-	*	-	0	0.0	0	0.0	0	0.0
48130	62	*	-	0	0.0	*	-	*	-	0	0.0
48131	81	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48133	53	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48134	292	*	-	*	-	0	0.0	0	0.0	0	0.0
48135	313	*	-	*	-	*	-	*	-	0	0.0
48137	40	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48138	70	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48139	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48140	37	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48141	636	9	1.4	*	-	*	-	7	1.1	0	0.0
48143	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48144	86	*	-	*	-	0	0.0	0	0.0	0	0.0

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48145	33	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48146	1,030	13	1.3	*	-	*	-	*	-	0	0.0
48150	292	*	-	*	-	0	0.0	0	0.0	0	0.0
48151	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48152	279	*	-	0	0.0	*	-	*	-	0	0.0
48154	309	*	-	*	-	0	0.0	0	0.0	0	0.0
48157	12	*	-	*	-	0	0.0	0	0.0	0	0.0
48158	54	*	-	0	0.0	*	-	*	-	0	0.0
48159	21	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48160	102	*	-	*	-	*	-	*	-	0	0.0
48161	288	*	-	*	-	*	-	0	0.0	*	-
48162	304	*	-	*	-	0	0.0	0	0.0	0	0.0
48164	82	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48165	150	*	-	*	-	*	-	*	-	0	0.0
48166	168	*	-	0	0.0	*	-	*	-	0	0.0
48167	211	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48168	100	*	-	0	0.0	*	-	*	-	0	0.0
48169	71	*	-	0	0.0	*	-	*	-	0	0.0

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48170	204	*	-	*	-	0	0.0	0	0.0	0	0.0
48173	135	*	-	*	-	0	0.0	0	0.0	0	0.0
48174	548	7	1.3	7	1.3	0	0.0	0	0.0	0	0.0
48175	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48176	96	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48177	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48178	309	*	-	*	-	0	0.0	0	0.0	0	0.0
48179	23	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48180	1,285	14	1.1	*	-	*	-	*	-	*	-
48182	153	*	-	*	-	*	-	*	-	0	0.0
48183	480	*	-	*	-	*	-	*	-	0	0.0
48184	257	*	-	*	-	*	-	0	0.0	*	-
48185	695	9	1.3	*	-	*	-	7	1.0	0	0.0
48186	541	11	2.0	*	-	*	-	*	-	0	0.0
48187	498	7	1.4	*	-	*	-	*	-	*	-
48188	462	10	2.2	*	-	*	-	*	-	*	-
48189	87	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48190	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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48191	22	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48192	345	*	-	*	-	*	-	*	-	0	0.0
48193	240	*	-	*	-	*	-	*	-	0	0.0
48195	538	*	-	*	-	*	-	0	0.0	*	-
48197	710	10	1.4	*	-	*	-	*	-	*	-
48198	646	6	0.9	*	-	*	-	*	-	*	-
48201	315	8	2.5	*	-	*	-	*	-	*	-
48202	337	32	9.5	9	2.7	23	6.8	*	-	*	-
48203	664	76	11.4	12	1.8	64	9.6	57	8.6	7	1.1
48204	706	99	14.0	20	2.8	79	11.2	69	9.8	10	1.4
48205	1,208	68	5.6	19	1.6	49	4.1	42	3.5	7	0.6
48206	551	99	18.0	19	3.4	80	14.5	68	12.3	12	2.2
48207	460	20	4.3	*	-	*	-	19	4.1	0	0.0
48208	245	22	9.0	*	-	*	-	*	-	*	-
48209	1,202	91	7.6	15	1.2	76	6.3	*	-	*	-
48210	1,320	118	8.9	18	1.4	100	7.6	91	6.9	9	0.7
48211	268	34	12.7	*	-	*	-	*	-	*	-
48212	1,747	107	6.1	22	1.3	85	4.9	78	4.5	7	0.4

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48213	655	82	12.5	10	1.5	72	11.0	66	10.1	6	0.9
48214	490	70	14.3	10	2.0	60	12.2	*	-	*	-
48215	341	36	10.6	7	2.1	29	8.5	*	-	*	-
48216	123	11	8.9	*	-	*	-	*	-	*	-
48217	195	7	3.6	*	-	*	-	*	-	0	0.0
48218	232	11	4.7	*	-	*	-	*	-	0	0.0
48219	1,323	52	3.9	15	1.1	37	2.8	*	-	*	-
48220	298	*	-	*	-	*	-	*	-	0	0.0
48221	895	30	3.4	8	0.9	22	2.5	*	-	*	-
48223	650	13	2.0	*	-	*	-	*	-	*	-
48224	1,328	86	6.5	24	1.8	62	4.7	55	4.1	7	0.5
48225	355	7	2.0	*	-	*	-	6	1.7	0	0.0
48226	29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48227	1,249	68	5.4	17	1.4	51	4.1	45	3.6	6	0.5
48228	1,915	79	4.1	34	1.8	45	2.3	38	2.0	7	0.4
48229	215	*	-	*	-	*	-	*	-	0	0.0
48230	223	6	2.7	*	-	*	-	*	-	0	0.0
48231	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Table 3. Blood Lead Levels for Children under 6 Years of Age for ZIP Codes, ¥ 2018[§]

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48232	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48233	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48234	1,036	50	4.8	13	1.3	37	3.6	31	3.0	6	0.6
48235	1,180	55	4.7	13	1.1	42	3.6	35	3.0	7	0.6
48236	364	6	1.6	*	-	*	-	*	-	*	-
48237	526	8	1.5	*	-	*	-	*	-	*	-
48238	742	93	12.5	31	4.2	62	8.4	54	7.3	8	1.1
48239	644	9	1.4	*	-	*	-	*	-	*	-
48240	351	*	-	*	-	*	-	*	-	0	0.0
48243	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48244	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48251	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48289	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48301	120	*	-	0	0.0	*	-	*	-	0	0.0
48302	148	*	-	*	-	0	0.0	0	0.0	0	0.0
48304	141	*	-	*	-	0	0.0	0	0.0	0	0.0
48305	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48306	194	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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48307	424	*	-	*	-	*	-	*	-	0	0.0
48309	272	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48310	675	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48312	469	*	-	*	-	*	-	*	-	0	0.0
48313	504	*	-	*	-	0	0.0	0	0.0	0	0.0
48314	323	*	-	*	-	*	-	*	-	0	0.0
48315	224	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48316	256	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48317	368	*	-	*	-	*	-	*	-	0	0.0
48320	62	*	-	*	-	0	0.0	0	0.0	0	0.0
48322	344	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48323	208	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48324	191	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48325	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48326	328	8	2.4	*	-	*	-	*	-	0	0.0
48327	297	*	-	0	0.0	*	-	*	-	0	0.0
48328	400	*	-	0	0.0	*	-	*	-	0	0.0
48329	291	*	-	*	-	0	0.0	0	0.0	0	0.0

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48331	257	*	-	*	-	*	-	*	-	0	0.0
48332	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48333	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48334	242	*	-	*	-	*	-	*	-	0	0.0
48335	563	42	7.5	18	3.2	24	4.3	24	4.3	0	0.0
48336	347	*	-	*	-	0	0.0	0	0.0	0	0.0
48337	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48340	759	18	2.4	8	1.1	10	1.3	*	-	*	-
48341	308	9	2.9	*	-	*	-	*	-	0	0.0
48342	556	10	1.8	*	-	*	-	7	1.3	0	0.0
48343	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48346	288	*	-	*	-	*	-	*	-	0	0.0
48347	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48348	308	*	-	*	-	0	0.0	0	0.0	0	0.0
48350	83	*	-	*	-	0	0.0	0	0.0	0	0.0
48353	32	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48356	59	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48357	79	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Table 3. Blood Lead Levels for Children under 6 Years of Age for ZIP Codes, † 2018§

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48359	143	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48360	99	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48361	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48362	145	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48363	62	*	-	*	-	0	0.0	0	0.0	0	0.0
48367	35	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48370	10	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48371	221	*	-	*	-	*	-	*	-	0	0.0
48374	212	*	-	*	-	*	-	*	-	0	0.0
48375	305	*	-	*	-	*	-	*	-	0	0.0
48377	352	8	2.3	*	-	*	-	*	-	*	-
48380	44	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48381	131	*	-	*	-	0	0.0	0	0.0	0	0.0
48382	276	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48383	160	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48386	194	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48390	304	*	-	*	-	*	-	*	-	0	0.0
48393	269	*	-	*	-	0	0.0	0	0.0	0	0.0

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48401	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48411	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48412	47	*	-	*	-	0	0.0	0	0.0	0	0.0
48413	106	*	-	0	0.0	*	-	*	-	0	0.0
48414	33	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48415	114	*	-	*	-	0	0.0	0	0.0	0	0.0
48416	49	*	-	*	-	0	0.0	0	0.0	0	0.0
48417	31	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48418	41	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48419	24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48420	248	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48421	76	*	-	*	-	0	0.0	0	0.0	0	0.0
48422	55	*	-	*	-	*	-	*	-	0	0.0
48423	345	*	-	*	-	0	0.0	0	0.0	0	0.0
48426	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48427	14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48428	28	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48429	134	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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48430	316	*	-	0	0.0	*	-	*	-	0	0.0
48432	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48433	325	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48435	24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48436	44	*	-	*	-	0	0.0	0	0.0	0	0.0
48437	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48438	48	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48439	499	*	-	*	-	0	0.0	0	0.0	0	0.0
48440	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48441	37	*	-	*	-	*	-	*	-	0	0.0
48442	218	*	-	*	-	*	-	*	-	0	0.0
48444	120	*	-	*	-	0	0.0	0	0.0	0	0.0
48445	11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48446	358	14	3.9	*	-	*	-	*	-	0	0.0
48449	54	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48450	21	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48451	109	*	-	*	-	0	0.0	0	0.0	0	0.0
48453	69	*	-	*	-	*	-	*	-	0	0.0

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48454	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48455	41	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48456	8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48457	106	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48458	331	*	-	*	-	*	-	*	-	0	0.0
48460	29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48461	119	*	-	*	-	0	0.0	0	0.0	0	0.0
48462	98	*	-	*	-	*	-	*	-	0	0.0
48463	40	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48464	17	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48465	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48466	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48467	16	*	-	*	-	0	0.0	0	0.0	0	0.0
48468	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48469	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48470	7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48471	53	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48472	16	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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48473	239	*	-	0	0.0	*	-	*	-	0	0.0
48475	24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48476	7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48480	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48502	11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48503	548	18	3.3	*	-	*	-	*	-	*	-
48504	644	12	1.9	*	-	*	-	*	-	*	-
48505	555	16	2.9	9	1.6	7	1.3	*	-	*	-
48506	541	14	2.6	*	-	*	-	*	-	0	0.0
48507	685	12	1.8	6	0.9	6	0.9	6	0.9	0	0.0
48509	127	*	-	*	-	*	-	*	-	0	0.0
48519	91	*	-	*	-	0	0.0	0	0.0	0	0.0
48529	227	*	-	*	-	*	-	0	0.0	*	-
48532	342	*	-	*	-	*	-	*	-	0	0.0
48601	1,058	33	3.1	14	1.3	19	1.8	*	-	*	-
48602	645	43	6.7	28	4.3	15	2.3	*	-	*	-
48603	348	*	-	*	-	*	-	*	-	0	0.0
48604	134	*	-	*	-	0	0.0	0	0.0	0	0.0

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48605	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48607	25	*	-	*	-	*	-	*	-	0	0.0
48609	107	*	-	0	0.0	*	-	*	-	0	0.0
48610	36	*	-	0	0.0	*	-	0	0.0	*	-
48611	60	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48612	107	*	-	0	0.0	*	-	*	-	0	0.0
48613	15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48614	10	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48615	29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48616	91	*	-	*	-	0	0.0	0	0.0	0	0.0
48617	110	*	-	0	0.0	*	-	*	-	0	0.0
48618	35	*	-	0	0.0	*	-	*	-	0	0.0
48619	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48620	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48621	17	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48622	77	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48623	117	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48624	190	*	-	*	-	0	0.0	0	0.0	0	0.0

¥If a Michigan ZIP code does not appear in the table, it means that there were zero tests reported for children under 6 residing in that ZIP code. In 2018, there were no tests missing a ZIP code.

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Table 3. Blood Lead Levels for Children under 6 Years of Age for ZIP Codes,[¥] 2018[§]

ZIP Code	All Blood Samples [†] # Tested	All [†] ≥ 5 µg/dL # Tested	All [†] ≥ 5 µg/dL % of Tested	Capillary [†] ≥ 5 µg/dL # Tested	Capillary [†] ≥ 5 µg/dL % of Tested	Venous ≥ 5 µg/dL # Tested	Venous ≥ 5 µg/dL % of Tested	Venous 5-14 µg/dL # Tested	Venous 5-14 µg/dL % of Tested	Venous ≥ 15 µg/dL # Tested	Venous ≥ 15 µg/dL % of Tested
48625	189	*	-	*	-	0	0.0	0	0.0	0	0.0
48626	42	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48628	10	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48629	78	*	-	*	-	0	0.0	0	0.0	0	0.0
48630	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48631	55	*	-	*	-	0	0.0	0	0.0	0	0.0
48632	66	*	-	0	0.0	*	-	*	-	0	0.0
48633	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48634	28	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48635	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48636	7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48637	21	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48638	181	*	-	*	-	0	0.0	0	0.0	0	0.0
48640	154	*	-	*	-	*	-	*	-	0	0.0
48641	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48642	155	*	-	0	0.0	*	-	*	-	0	0.0
48647	42	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48649	20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Table 3. Blood Lead Levels for Children under 6 Years of Age for ZIP Codes,[‡] 2018[§]

ZIP Code	All Blood Samples [†] # Tested	All [†] ≥ 5 µg/dL # Tested	All [†] ≥ 5 µg/dL % of Tested	Capillary [†] ≥ 5 µg/dL # Tested	Capillary [†] ≥ 5 µg/dL % of Tested	Venous ≥ 5 µg/dL # Tested	Venous ≥ 5 µg/dL % of Tested	Venous 5-14 µg/dL # Tested	Venous 5-14 µg/dL % of Tested	Venous ≥ 15 µg/dL # Tested	Venous ≥ 15 µg/dL % of Tested
48650	88	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48651	40	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48652	13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48653	66	*	-	*	-	0	0.0	0	0.0	0	0.0
48654	20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48655	71	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48656	34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48657	29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48658	90	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48659	46	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48661	98	*	-	*	-	0	0.0	0	0.0	0	0.0
48662	7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48701	15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48703	16	*	-	*	-	*	-	*	-	0	0.0
48705	*	*	-	*	-	0	0.0	0	0.0	0	0.0
48706	445	19	4.3	12	2.7	7	1.6	*	-	*	-
48708	420	25	6.0	14	3.3	11	2.6	11	2.6	0	0.0
48720	13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Table 3. Blood Lead Levels for Children under 6 Years of Age for ZIP Codes, ¥ 2018[§]

ZIP Code	All Blood Samples [†] # Tested	All [†] ≥ 5 µg/dL # Tested	All [†] ≥ 5 µg/dL % of Tested	Capillary [†] ≥ 5 µg/dL # Tested	Capillary [†] ≥ 5 µg/dL % of Tested	Venous ≥ 5 µg/dL # Tested	Venous ≥ 5 µg/dL % of Tested	Venous 5-14 µg/dL # Tested	Venous 5-14 µg/dL % of Tested	Venous ≥ 15 µg/dL # Tested	Venous ≥ 15 µg/dL % of Tested
48721	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48722	37	*	-	*	-	0	0.0	0	0.0	0	0.0
48723	162	*	-	0	0.0	*	-	*	-	0	0.0
48724	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48725	18	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48726	75	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48727	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48728	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48729	23	*	-	*	-	0	0.0	0	0.0	0	0.0
48730	39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48731	28	*	-	0	0.0	*	-	*	-	0	0.0
48732	133	*	-	*	-	0	0.0	0	0.0	0	0.0
48733	20	*	-	0	0.0	*	-	0	0.0	*	-
48734	62	*	-	0	0.0	*	-	*	-	0	0.0
48735	17	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48737	13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48738	10	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48739	31	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Table 3. Blood Lead Levels for Children under 6 Years of Age for ZIP Codes, ¥ 2018[§]

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48740	31	*	-	*	-	*	-	*	-	0	0.0
48741	29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48742	14	*	-	*	-	0	0.0	0	0.0	0	0.0
48744	88	*	-	*	-	0	0.0	0	0.0	0	0.0
48745	10	*	-	*	-	0	0.0	0	0.0	0	0.0
48746	111	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48747	19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48748	11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48749	23	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48750	133	*	-	*	-	*	-	*	-	0	0.0
48754	12	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48755	30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48756	59	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48757	33	*	-	*	-	*	-	*	-	0	0.0
48759	53	*	-	0	0.0	*	-	*	-	0	0.0
48760	21	*	-	0	0.0	*	-	*	-	0	0.0
48761	*	*	-	*	-	0	0.0	0	0.0	0	0.0
48762	13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Table 3. Blood Lead Levels for Children under 6 Years of Age for ZIP Codes, ¥ 2018[§]

ZIP Code	All Blood Samples [†] # Tested	All [†] ≥ 5 µg/dL # Tested	All [†] ≥ 5 µg/dL % of Tested	Capillary [†] ≥ 5 µg/dL # Tested	Capillary [†] ≥ 5 µg/dL % of Tested	Venous ≥ 5 µg/dL # Tested	Venous ≥ 5 µg/dL % of Tested	Venous 5-14 µg/dL # Tested	Venous 5-14 µg/dL % of Tested	Venous ≥ 15 µg/dL # Tested	Venous ≥ 15 µg/dL % of Tested
48763	48	*	-	*	-	0	0.0	0	0.0	0	0.0
48765	7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48766	20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48767	21	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48768	136	*	-	*	-	*	-	*	-	0	0.0
48770	23	*	-	*	-	0	0.0	0	0.0	0	0.0
48780	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48801	152	*	-	*	-	0	0.0	0	0.0	0	0.0
48804	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48805	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48806	11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48807	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48808	50	*	-	*	-	0	0.0	0	0.0	0	0.0
48809	203	7	3.4	*	-	*	-	*	-	0	0.0
48811	39	*	-	*	-	*	-	*	-	0	0.0
48812	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48813	184	6	3.3	*	-	*	-	*	-	0	0.0
48815	28	*	-	0	0.0	*	-	0	0.0	*	-

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48817	118	*	-	0	0.0	*	-	0	0.0	*	-
48818	23	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48819	23	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48820	106	*	-	*	-	0	0.0	0	0.0	0	0.0
48821	39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48822	22	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48823	388	8	2.1	*	-	*	-	*	-	0	0.0
48824	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48825	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48826	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48827	139	*	-	*	-	0	0.0	0	0.0	0	0.0
48829	43	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48831	42	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48832	8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48834	28	*	-	*	-	0	0.0	0	0.0	0	0.0
48835	14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48836	132	*	-	0	0.0	*	-	0	0.0	*	-
48837	129	*	-	*	-	*	-	*	-	0	0.0

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48838	256	6	2.3	*	-	*	-	*	-	*	-
48840	109	*	-	*	-	0	0.0	0	0.0	0	0.0
48841	14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48842	276	*	-	*	-	0	0.0	0	0.0	0	0.0
48843	297	*	-	0	0.0	*	-	*	-	0	0.0
48844	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48845	19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48846	341	24	7.0	18	5.3	6	1.8	6	1.8	0	0.0
48847	57	*	-	*	-	0	0.0	0	0.0	0	0.0
48848	56	*	-	*	-	*	-	*	-	*	-
48849	55	*	-	*	-	*	-	*	-	0	0.0
48850	62	*	-	*	-	*	-	0	0.0	*	-
48851	41	*	-	*	-	*	-	*	-	0	0.0
48852	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48853	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48854	222	10	4.5	*	-	*	-	*	-	0	0.0
48855	85	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48856	10	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Table 3. Blood Lead Levels for Children under 6 Years of Age for ZIP Codes, † 2018§

ZIP Code	All Blood Samples† # Tested	All† ≥ 5 µg/dL # Tested	All† ≥ 5 µg/dL % of Tested	Capillary† ≥ 5 µg/dL # Tested	Capillary† ≥ 5 µg/dL % of Tested	Venous ≥ 5 µg/dL # Tested	Venous ≥ 5 µg/dL % of Tested	Venous 5-14 µg/dL # Tested	Venous 5-14 µg/dL % of Tested	Venous ≥ 15 µg/dL # Tested	Venous ≥ 15 µg/dL % of Tested
48857	43	*	-	*	-	0	0.0	0	0.0	0	0.0
48858	460	6	1.3	*	-	*	-	*	-	0	0.0
48860	26	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48861	17	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48862	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48864	174	*	-	*	-	*	-	*	-	0	0.0
48865	23	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48866	67	*	-	*	-	*	-	*	-	0	0.0
48867	624	31	5.0	18	2.9	13	2.1	*	-	*	-
48871	22	*	-	*	-	0	0.0	0	0.0	0	0.0
48872	98	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48873	11	*	-	*	-	*	-	*	-	0	0.0
48874	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48875	148	*	-	*	-	*	-	*	-	*	-
48876	64	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48877	19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48878	27	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48879	186	7	3.8	*	-	*	-	*	-	0	0.0

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48880	91	*	-	*	-	*	-	*	-	0	0.0
48881	64	*	-	*	-	0	0.0	0	0.0	0	0.0
48883	70	*	-	*	-	0	0.0	0	0.0	0	0.0
48884	66	*	-	*	-	*	-	*	-	0	0.0
48885	13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48886	19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48888	75	*	-	*	-	0	0.0	0	0.0	0	0.0
48889	13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48890	22	*	-	*	-	0	0.0	0	0.0	0	0.0
48891	36	*	-	*	-	*	-	*	-	0	0.0
48892	73	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48893	58	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48894	18	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48895	84	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48896	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48897	6	*	-	*	-	0	0.0	0	0.0	0	0.0
48901	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48906	629	26	4.1	14	2.2	12	1.9	*	-	*	-

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48908	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48909	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48910	818	27	3.3	14	1.7	13	1.6	*	-	*	-
48911	1,241	27	2.2	21	1.7	6	0.5	6	0.5	0	0.0
48912	299	11	3.7	*	-	*	-	*	-	*	-
48915	260	12	4.6	*	-	*	-	*	-	0	0.0
48916	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48917	395	10	2.5	*	-	*	-	*	-	*	-
48921	*	*	-	0	0.0	*	-	*	-	0	0.0
48933	33	*	-	0	0.0	*	-	*	-	0	0.0
49001	408	27	6.6	8	2.0	19	4.7	*	-	*	-
49002	204	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49003	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49004	212	*	-	0	0.0	*	-	*	-	0	0.0
49006	282	7	2.5	*	-	*	-	6	2.1	0	0.0
49007	201	20	10.0	7	3.5	13	6.5	*	-	*	-
49008	199	*	-	0	0.0	*	-	*	-	0	0.0
49009	480	7	1.5	*	-	*	-	*	-	*	-

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49010	271	8	3.0	*	-	*	-	*	-	*	-
49011	34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49012	35	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49013	87	*	-	0	0.0	*	-	*	-	0	0.0
49014	390	24	6.2	14	3.6	10	2.6	*	-	*	-
49015	540	22	4.1	7	1.3	15	2.8	15	2.8	0	0.0
49016	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49017	372	26	7.0	13	3.5	13	3.5	*	-	*	-
49019	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49021	86	*	-	0	0.0	*	-	*	-	0	0.0
49022	728	17	2.3	*	-	*	-	*	-	*	-
49023	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49024	307	*	-	*	-	0	0.0	0	0.0	0	0.0
49026	22	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49027	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49028	49	*	-	0	0.0	*	-	0	0.0	*	-
49029	15	*	-	0	0.0	*	-	*	-	0	0.0
49030	21	*	-	0	0.0	*	-	*	-	0	0.0

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49031	26	*	-	*	-	0	0.0	0	0.0	0	0.0
49032	44	*	-	*	-	0	0.0	0	0.0	0	0.0
49033	15	*	-	*	-	0	0.0	0	0.0	0	0.0
49034	26	*	-	0	0.0	*	-	*	-	0	0.0
49036	197	17	8.6	*	-	*	-	*	-	0	0.0
49037	628	41	6.5	10	1.6	31	4.9	*	-	*	-
49038	87	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49040	28	*	-	*	-	*	-	*	-	0	0.0
49042	75	*	-	*	-	0	0.0	0	0.0	0	0.0
49043	25	*	-	0	0.0	*	-	*	-	0	0.0
49045	62	*	-	*	-	*	-	*	-	0	0.0
49046	53	*	-	*	-	*	-	*	-	0	0.0
49047	216	11	5.1	*	-	*	-	*	-	*	-
49048	419	10	2.4	*	-	*	-	*	-	0	0.0
49050	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49051	35	*	-	*	-	0	0.0	0	0.0	0	0.0
49052	13	*	-	*	-	0	0.0	0	0.0	0	0.0
49053	92	*	-	*	-	0	0.0	0	0.0	0	0.0

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49055	77	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49056	64	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49057	148	*	-	*	-	*	-	*	-	0	0.0
49058	104	9	8.7	*	-	*	-	*	-	0	0.0
49060	15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49061	7	*	-	0	0.0	*	-	*	-	0	0.0
49064	40	*	-	0	0.0	*	-	*	-	0	0.0
49065	56	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49066	8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49067	36	*	-	*	-	0	0.0	0	0.0	0	0.0
49068	163	9	5.5	*	-	*	-	6	3.7	0	0.0
49070	29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49071	85	*	-	*	-	0	0.0	0	0.0	0	0.0
49072	36	*	-	0	0.0	*	-	*	-	*	-
49073	48	*	-	0	0.0	*	-	*	-	0	0.0
49075	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49076	26	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49077	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49078	113	8	7.1	*	-	*	-	*	-	*	-
49079	149	8	5.4	*	-	*	-	*	-	*	-
49080	166	7	4.2	*	-	*	-	*	-	0	0.0
49082	46	*	-	*	-	0	0.0	0	0.0	0	0.0
49083	71	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49085	79	*	-	0	0.0	*	-	*	-	0	0.0
49087	59	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49088	21	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49089	21	*	-	*	-	*	-	*	-	0	0.0
49090	131	*	-	*	-	*	-	*	-	0	0.0
49091	339	11	3.2	*	-	*	-	*	-	0	0.0
49092	14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49093	348	14	4.0	*	-	*	-	*	-	*	-
49094	45	*	-	*	-	0	0.0	0	0.0	0	0.0
49095	23	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49096	25	*	-	0	0.0	*	-	*	-	0	0.0
49097	126	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49098	65	*	-	0	0.0	*	-	*	-	0	0.0

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49099	84	8	9.5	*	-	*	-	*	-	0	0.0
49101	23	*	-	0	0.0	*	-	*	-	0	0.0
49102	12	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49103	80	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49106	36	*	-	0	0.0	*	-	*	-	0	0.0
49107	74	*	-	0	0.0	*	-	*	-	0	0.0
49111	31	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49112	30	*	-	*	-	0	0.0	0	0.0	0	0.0
49113	18	*	-	0	0.0	*	-	*	-	0	0.0
49117	17	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49119	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49120	264	9	3.4	*	-	*	-	*	-	*	-
49125	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49126	11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49127	45	*	-	0	0.0	*	-	*	-	0	0.0
49128	20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49129	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49130	8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49201	813	28	3.4	21	2.6	7	0.9	*	-	*	-
49202	540	27	5.0	20	3.7	7	1.3	7	1.3	0	0.0
49203	889	64	7.2	51	5.7	13	1.5	*	-	*	-
49204	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49220	32	*	-	*	-	0	0.0	0	0.0	0	0.0
49221	555	23	4.1	8	1.4	15	2.7	*	-	*	-
49224	312	15	4.8	*	-	*	-	*	-	*	-
49227	12	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49228	55	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49229	36	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49230	107	*	-	*	-	0	0.0	0	0.0	0	0.0
49232	42	*	-	*	-	0	0.0	0	0.0	0	0.0
49233	41	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49234	20	*	-	*	-	0	0.0	0	0.0	0	0.0
49235	24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49236	36	*	-	*	-	*	-	*	-	0	0.0
49237	43	*	-	0	0.0	*	-	*	-	0	0.0
49238	10	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49240	86	*	-	*	-	0	0.0	0	0.0	0	0.0
49241	22	*	-	*	-	*	-	*	-	0	0.0
49242	204	7	3.4	*	-	*	-	*	-	0	0.0
49245	58	9	15.5	*	-	*	-	*	-	*	-
49246	36	*	-	0	0.0	*	-	0	0.0	*	-
49247	92	*	-	*	-	*	-	*	-	*	-
49248	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49249	42	*	-	*	-	0	0.0	0	0.0	0	0.0
49250	56	*	-	*	-	*	-	*	-	0	0.0
49251	97	*	-	*	-	*	-	*	-	0	0.0
49252	29	*	-	*	-	0	0.0	0	0.0	0	0.0
49253	42	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49254	43	*	-	*	-	*	-	*	-	0	0.0
49255	16	*	-	*	-	0	0.0	0	0.0	0	0.0
49256	49	*	-	0	0.0	*	-	*	-	0	0.0
49258	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49259	43	*	-	*	-	0	0.0	0	0.0	0	0.0
49261	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49262	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49263	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49264	21	*	-	*	-	*	-	*	-	0	0.0
49265	32	*	-	*	-	0	0.0	0	0.0	0	0.0
49266	26	*	-	*	-	*	-	*	-	0	0.0
49267	22	*	-	*	-	0	0.0	0	0.0	0	0.0
49268	7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49269	91	*	-	*	-	0	0.0	0	0.0	0	0.0
49270	54	*	-	*	-	0	0.0	0	0.0	0	0.0
49271	31	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49272	28	*	-	*	-	0	0.0	0	0.0	0	0.0
49274	53	*	-	*	-	*	-	*	-	*	-
49276	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49277	41	*	-	*	-	*	-	*	-	0	0.0
49279	11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49282	10	*	-	0	0.0	*	-	*	-	0	0.0
49283	40	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49284	48	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49285	79	*	-	*	-	*	-	*	-	0	0.0
49286	129	*	-	0	0.0	*	-	*	-	0	0.0
49287	13	*	-	*	-	0	0.0	0	0.0	0	0.0
49288	31	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49289	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49301	189	*	-	*	-	0	0.0	0	0.0	0	0.0
49302	69	*	-	*	-	0	0.0	0	0.0	0	0.0
49303	7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49304	46	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49305	22	*	-	*	-	0	0.0	0	0.0	0	0.0
49306	68	*	-	*	-	0	0.0	0	0.0	0	0.0
49307	196	*	-	*	-	0	0.0	0	0.0	0	0.0
49309	20	*	-	0	0.0	*	-	*	-	0	0.0
49310	27	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49312	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49314	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49315	112	*	-	0	0.0	*	-	*	-	0	0.0
49316	135	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49318	27	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49319	201	*	-	0	0.0	*	-	*	-	0	0.0
49321	247	*	-	*	-	*	-	*	-	0	0.0
49322	20	*	-	*	-	0	0.0	0	0.0	0	0.0
49323	49	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49325	9	*	-	*	-	*	-	*	-	0	0.0
49326	30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49327	94	*	-	*	-	*	-	*	-	0	0.0
49328	28	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49329	104	*	-	*	-	*	-	*	-	0	0.0
49330	100	*	-	*	-	0	0.0	0	0.0	0	0.0
49331	177	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49332	31	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49333	75	*	-	*	-	0	0.0	0	0.0	0	0.0
49336	39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49337	143	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49338	16	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49339	21	*	-	*	-	0	0.0	0	0.0	0	0.0

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49340	29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49341	227	*	-	*	-	*	-	*	-	0	0.0
49342	21	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49343	66	*	-	0	0.0	*	-	*	-	0	0.0
49344	22	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49345	151	*	-	*	-	0	0.0	0	0.0	0	0.0
49346	36	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49347	17	*	-	0	0.0	*	-	*	-	0	0.0
49348	101	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49349	81	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49390	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49401	111	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49402	11	*	-	*	-	0	0.0	0	0.0	0	0.0
49403	30	*	-	*	-	*	-	*	-	0	0.0
49404	99	*	-	*	-	*	-	*	-	0	0.0
49405	20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49406	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49408	143	*	-	*	-	0	0.0	0	0.0	0	0.0

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49410	31	*	-	*	-	0	0.0	0	0.0	0	0.0
49411	15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49412	113	*	-	0	0.0	*	-	*	-	0	0.0
49415	58	*	-	*	-	0	0.0	0	0.0	0	0.0
49417	437	*	-	*	-	*	-	*	-	0	0.0
49418	207	*	-	0	0.0	*	-	*	-	0	0.0
49419	106	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49420	157	*	-	*	-	*	-	*	-	0	0.0
49421	55	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49422	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49423	665	28	4.2	12	1.8	16	2.4	*	-	*	-
49424	700	13	1.9	*	-	*	-	*	-	*	-
49425	45	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49426	203	*	-	0	0.0	*	-	*	-	0	0.0
49427	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49428	179	*	-	0	0.0	*	-	*	-	*	-
49429	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49431	287	11	3.8	*	-	*	-	*	-	*	-

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49435	33	*	-	*	-	0	0.0	0	0.0	0	0.0
49436	31	*	-	0	0.0	*	-	0	0.0	*	-
49437	74	*	-	0	0.0	*	-	0	0.0	*	-
49440	27	*	-	*	-	0	0.0	0	0.0	0	0.0
49441	546	41	7.5	22	4.0	19	3.5	*	-	*	-
49442	822	68	8.3	44	5.4	24	2.9	*	-	*	-
49443	*	*	-	*	-	0	0.0	0	0.0	0	0.0
49444	545	30	5.5	20	3.7	10	1.8	10	1.8	0	0.0
49445	205	*	-	*	-	*	-	*	-	0	0.0
49446	44	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49448	65	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49449	26	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49450	88	*	-	0	0.0	*	-	*	-	0	0.0
49451	81	*	-	0	0.0	*	-	*	-	0	0.0
49452	22	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49453	27	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49454	76	6	7.9	*	-	*	-	*	-	0	0.0
49455	126	*	-	*	-	0	0.0	0	0.0	0	0.0

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49456	226	*	-	*	-	*	-	*	-	0	0.0
49457	152	*	-	*	-	0	0.0	0	0.0	0	0.0
49458	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49459	24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49460	103	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49461	83	*	-	0	0.0	*	-	*	-	0	0.0
49464	345	*	-	*	-	*	-	0	0.0	*	-
49468	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49501	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49503	784	53	6.8	21	2.7	32	4.1	26	3.3	6	0.8
49504	756	50	6.6	16	2.1	34	4.5	*	-	*	-
49505	542	19	3.5	*	-	*	-	14	2.6	0	0.0
49506	548	31	5.7	12	2.2	19	3.5	*	-	*	-
49507	1,203	89	7.4	35	2.9	54	4.5	48	4.0	6	0.5
49508	750	14	1.9	*	-	*	-	10	1.3	0	0.0
49509	621	16	2.6	6	1.0	10	1.6	10	1.6	0	0.0
49510	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49512	260	8	3.1	*	-	*	-	*	-	0	0.0

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49518	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49519	417	*	-	*	-	*	-	*	-	0	0.0
49523	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49525	278	*	-	*	-	*	-	*	-	0	0.0
49534	221	*	-	*	-	*	-	*	-	0	0.0
49544	112	*	-	0	0.0	*	-	0	0.0	*	-
49546	419	8	1.9	*	-	*	-	*	-	*	-
49548	676	11	1.6	*	-	*	-	*	-	0	0.0
49601	152	*	-	0	0.0	*	-	*	-	0	0.0
49611	7	*	-	0	0.0	*	-	*	-	0	0.0
49612	15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49613	7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49614	32	*	-	*	-	0	0.0	0	0.0	0	0.0
49615	41	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49616	31	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49617	50	*	-	*	-	0	0.0	0	0.0	0	0.0
49618	8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49619	16	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49620	54	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49621	27	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49622	19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49623	14	*	-	*	-	0	0.0	0	0.0	0	0.0
49625	11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49626	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49628	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49629	13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49630	18	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49631	101	*	-	0	0.0	*	-	*	-	0	0.0
49632	10	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49633	56	*	-	*	-	0	0.0	0	0.0	0	0.0
49635	31	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49636	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49637	50	*	-	*	-	0	0.0	0	0.0	0	0.0
49638	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49639	26	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49640	20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49642	12	*	-	0	0.0	*	-	*	-	0	0.0
49643	96	*	-	*	-	0	0.0	0	0.0	0	0.0
49644	12	*	-	*	-	0	0.0	0	0.0	0	0.0
49645	27	*	-	0	0.0	*	-	*	-	0	0.0
49646	78	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49648	25	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49649	122	*	-	*	-	0	0.0	0	0.0	0	0.0
49650	60	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49651	77	*	-	*	-	0	0.0	0	0.0	0	0.0
49653	31	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49654	7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49655	38	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49656	25	*	-	*	-	0	0.0	0	0.0	0	0.0
49657	30	*	-	*	-	*	-	*	-	0	0.0
49659	118	*	-	*	-	0	0.0	0	0.0	0	0.0
49660	145	*	-	*	-	0	0.0	0	0.0	0	0.0
49663	66	*	-	0	0.0	*	-	0	0.0	*	-
49664	23	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49665	59	*	-	*	-	0	0.0	0	0.0	0	0.0
49666	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49667	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49668	52	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49670	20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49674	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49675	7	*	-	0	0.0	*	-	*	-	0	0.0
49676	47	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49677	115	*	-	*	-	*	-	*	-	0	0.0
49679	13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49680	24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49682	52	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49683	39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49684	314	*	-	*	-	*	-	*	-	0	0.0
49685	368	*	-	*	-	0	0.0	0	0.0	0	0.0
49686	362	*	-	*	-	*	-	*	-	0	0.0
49688	22	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49689	15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49690	105	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49696	132	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49701	12	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49705	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49706	51	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49707	253	6	2.4	*	-	*	-	*	-	0	0.0
49709	29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49710	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49712	59	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49713	22	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49715	31	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49716	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49718	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49719	12	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49720	80	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49721	148	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49722	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49724	11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49725	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49726	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49727	86	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49728	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49729	22	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49730	15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49733	21	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49734	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49735	199	*	-	*	-	0	0.0	0	0.0	0	0.0
49736	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49738	89	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49740	46	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49743	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49744	14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49745	12	*	-	0	0.0	*	-	0	0.0	*	-
49746	26	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49747	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49748	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49749	29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49751	20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49752	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49753	16	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49755	16	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49756	34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49757	8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49759	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49760	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49762	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49764	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49765	31	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49766	25	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49769	19	*	-	0	0.0	*	-	*	-	0	0.0
49770	164	*	-	0	0.0	*	-	*	-	0	0.0
49774	15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49776	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49777	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49779	32	*	-	0	0.0	*	-	*	-	0	0.0
49780	13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49781	60	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49782	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49783	242	*	-	*	-	*	-	*	-	0	0.0
49788	76	*	-	*	-	0	0.0	0	0.0	0	0.0
49791	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49793	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49795	26	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49796	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49797	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49799	24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49801	95	*	-	0	0.0	*	-	*	-	0	0.0
49802	56	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49805	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49806	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49807	21	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49808	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49812	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49814	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49815	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49816	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49817	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49818	12	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49820	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49821	15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49825	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49827	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49829	184	*	-	*	-	*	-	*	-	0	0.0
49831	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49834	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49835	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49836	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49837	60	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49838	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49840	10	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49841	100	*	-	*	-	*	-	*	-	0	0.0
49847	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49848	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49849	86	*	-	*	-	*	-	*	-	0	0.0
49852	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49853	12	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49854	70	*	-	*	-	0	0.0	0	0.0	0	0.0
49855	186	*	-	*	-	*	-	*	-	*	-
49858	136	7	5.1	*	-	*	-	*	-	0	0.0
49861	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49862	38	*	-	*	-	*	-	0	0.0	*	-
49863	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49866	47	*	-	*	-	*	-	*	-	0	0.0
49868	67	*	-	*	-	*	-	*	-	0	0.0
49870	29	*	-	0	0.0	*	-	*	-	0	0.0
49871	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49872	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49874	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49876	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49878	16	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49879	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49880	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49881	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49884	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49885	15	*	-	*	-	0	0.0	0	0.0	0	0.0
49886	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49887	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49891	7	*	-	*	-	0	0.0	0	0.0	0	0.0
49892	16	*	-	*	-	0	0.0	0	0.0	0	0.0
49893	15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49894	10	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49895	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49896	33	*	-	*	-	0	0.0	0	0.0	0	0.0
49901	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49902	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49903	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Table 3. Blood Lead Levels for Children under 6 Years of Age for ZIP Codes, ¥ 2018[§]

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49905	51	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49908	46	*	-	*	-	0	0.0	0	0.0	0	0.0
49911	30	*	-	*	-	0	0.0	0	0.0	0	0.0
49912	7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49913	102	*	-	0	0.0	*	-	*	-	*	-
49915	8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49916	31	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49917	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49918	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49920	40	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49921	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49922	17	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49929	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49930	112	*	-	*	-	0	0.0	0	0.0	0	0.0
49931	92	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49934	6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49935	68	*	-	0	0.0	*	-	*	-	0	0.0
49938	94	*	-	*	-	*	-	*	-	*	-

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49945	31	*	-	0	0.0	*	-	*	-	0	0.0
49946	75	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49947	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49948	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49950	8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49953	17	*	-	*	-	*	-	*	-	0	0.0
49955	11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49958	9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49959	6	*	-	0	0.0	*	-	*	-	0	0.0
49960	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49961	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49962	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49963	23	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49964	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49965	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49967	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49968	18	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49969	13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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49970	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49971	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MICHIGAN	14,2356	4,124	2.9	1718	1.2	2,406	1.7	2,125	1.5	281	0.2

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