

MiTracking





Childhood Lead Poisoning Prevention

How to Query Childhood Lead Data on MiTracking

Hello! Welcome to the Michigan Department of Health and Human Services (MDHHS) Michigan Environmental Public Health Tracking (MiTracking) tutorial on "How to query blood lead data on MiTracking." This tutorial shows data users how they can access blood lead information and data for children less than 6 years of age on the MiTracking data portal.

The MDHHS Childhood Lead Poisoning Prevention Program (CLPPP) publishes annual reports that contain Michigan county-level blood lead data. In 2021, those data became available on MiTracking. Data are updated twice a year, allowing access before the CLPPP annual report is published.

Let's get started!



MiTracking



Childhood Lead Poisoning Prevention



MiTracking

MiTracking

- MiTracking is a federally funded program through the Centers for Disease Control and Prevention (CDC) and a part of the National Environmental Public Health Tracking Program (CDC Tracking Program).
- MiTracking gathers existing data, information, and resources about the environment and health and provides them all in one online location.
- MiTracking shares information and data on a public data portal.



Childhood Lead Poisoning Prevention

CLPPP

CLPPP is dedicated to eliminating childhood lead poisoning by:

- Ensuring that children at risk of lead exposure are tested and laboratories are reporting blood lead test results to MDHHS,
- Using blood lead test results in MDHHS's lead surveillance database for public health interventions,
- Linking exposed children to recommended services through local health departments, and
- Focusing on population-based interventions.

Childhood lead data on MiTracking come from the blood lead test surveillance database maintained by CLPPP.

Homepage -1

- Go to the MiTracking homepage at <u>www.michigan.gov/MiTracking</u>.
- On the homepage, there is a short
 Introduction with links to the MiTracking data portal and CDC's Tracking Program.
- Data Content Areas are in the middle.
- At the bottom, Quick Links go to different areas of MiTracking including About, Metadata, Resources, and Contact Us. Quick links are on every page. These areas will be discussed in more detail later.



Homepage - 2

- Data Content Areas shows MiTracking data organized into three Categories, which are Environmental Topics, Health Conditions, and Population.
- There are Data Content Area
 Pages under each category.
 Note "Lead Exposure –
 Children" is under Health
 Conditions.
- Let's click on the Lead
 Exposure-Children content page.

Data Content Areas		
Environmental Topics	Health Conditions	Population
 <u>Air Quality</u> <u>Ground-level Ozone</u> <u>PM2.5</u> Animals and Bugs <u>Rabies</u> <u>Ticks</u> <u>Climate Change</u> <u>Community Public Drinking Water</u> 	 Asthma Birth Defects COPD Cancer Adult Childhood Carbon Monoxide (CO) Poisoning Drug Poisoning (Overdose) Deaths Heart Attack Heart Attack Heat Illness Lead Exposure Adults Children Pesticide-Related Illnesses and Injuries Reproductive and Birth Outcomes Work-Related Illnesses and Injuries Work-Related Illnesses and Injuries Work-Related Illnesses and Injuries Morkers' Compensation (Paid Wage Loss Claims) Traumatic Work-Related Deaths (Fatalities).	• Population Characteristics • Social Vulnerability Index (SVI)

- All content pages provide introductory information on the subject and additional resources.
- The **Explore Data** button is a link to the data portal.
- Let's click on the **Elevated Blood Lead Level** section.

Lead Exposure - Children) Miraching 2 Lead Exposure - Ehidare
	Lead is a highly toxic metal that was commonly used in paint, gasoline, and plumbing pipes and fluctures. Statistics show that 69.452 (h41%) Michigan children under 6 years old had a blood lead text in 2021 (MiTracking Data Portal). Of those tested, 35% (3.401) children had elevated blood lead levels (FBLL) d13.5 micrograms per deciliter (ugldt) or greater (MiTracking Data Portal). Note: Blood lead testing throughout Michigan decreased starting in March 2020, associated with the CQVID-19 pandemic. Starya-thoreo orders, closures, and virtual care limited blood lead testing. The population tested in 2020 and 2021 is likely different from previous years. Comparing the EBLL percentage in 2020 and 2021 to other years will be difficult. Childhood lead testing • Age of Housing • Annual Blood Lead Levels • Blood Lead Levels by Birth Year
Elevated Blood Lead Level Lead Exposure	Explore > Data
Risk Factors	
Health Effects	
Reduce Lead Exposure	
Blood Lead Testing	
Data	
Learn More	
① Citations	

- The Elevated Blood Lead Level section when expanded discusses what Elevated Blood Lead Levels (EBLL) and Blood Lead Reference Values (BLRV) are.
- MDHHS updated their definition of an elevated blood lead level in May 2022 following the CDC change.



 Let's go to the **Data** section, further down the content page.



- Under Find Out More, look for the Metadata bullet.
 - Metadata provides technical information about the content, quality, and context of the data.
- Under Metadata, click on the Annual Blood Lead Levels link.
- Note: Quick Links also has a link to MiTracking metadata.

🗴 Data

Lead Data on MiTracking include the Indicators:

- Annual blood lead levels
- Blood lead levels by birth year
- Age of housing

Data Can Tell Us

- The number and percent of children tested for blood lead and among those tested, the number and percent with BLLs equal to or above:
- 3.5 µg/ dL (new BLRV)
- 5 μg/ dL (old BLRV, due to rounding, includes results for 4.5-4.9)
- · Data are available by year, county, zip code, age group, and test type.

Data Cannot Tell Us

- The total number of children affected.
- · The cost, effect, result, or consequence of lead exposure.
- Source of lead exposure.

Find Out More

Surveillance data from the Michigan Department of Health and Human Services (MDHHS) Data Warehouse were used to create this dataset through a Data Use Agreement with the Childhood Lead Poisoning Prevention Program (CLPPP). Find out more data information, visit:

- About These Data (found on the data portal after a query search).
- Metadata (Technical information about the content, quality, and context of the data):
- Annual Blood Lead Levels
- Blood Lead Levels by Birth Cohort



Metadata

- The Michigan Annual Blood Lead Levels data comes from CLPPP.
- It is recommended that all users read the metadata prior to data use.
- The metadata has CLPPP's contact information.

MICHIGAN ANNUAL BLOOD LEAD LEVELS

Publication Date: 5/25/2023

Abstract

This dataset contains blood lead results by calendar year for Michigan children under 6 years of age, and children ages 1 and 2 years enrolled in Medicaid. The data are aggregated and stratified by geography of residence at the time of the test, year tested, test sample type, and venous elevated blood lead level (EBLL) categories. The measures are:

- Number tested for lead.
- Number with an elevated blood lead level (EBLL).
- Percent tested with an EBLL.
- Number with venous EBLL by category.
- Percent tested with venous EBLL by category.

The following measures are included only for children under 6 years old, for each geographic area:

- Population
- Percent tested for lead

MDHHS considers results at or above the CDC blood lead reference value (BLRV) to be an EBLL. In 2021, the CDC changed the BLRV from 5 μ g/dL to 3.5 μ g/dL.⁶ Blood lead data in MiTracking will be provided for both definitions of an EBLL.

It is recommended that all users read and fully comprehend metadata prior to data use. To access these data, please visit the <u>MiTracking data portal</u>.

Purpose

The dataset is intended to provide public health professionals, researchers, and the general public with summary information on childhood blood lead testing in the state of Michigan. These data

Metadata: Childhood lead testing data on MiTracking

Contact Information

Michigan Department of Health and Human Services Division of Environmental Health P.O. Box 30037

Lansing, MI 48909

1-800-648-6942

MiTracking e-mail: <u>MDHHS-MiTracking@michigan.gov</u> CLPPP e-mail: <u>MDHHS-CLPPP@michigan.gov</u>

Data Portal

- The data portal can be accessed in three ways including:
 - 1. The MiTracking homepage.
 - 2. The childhood lead exposure content page.
 - 3. The childhood lead exposure metadata page.
 - From the metadata page, let's click the "MiTracking data portal" link found in the Abstract.



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Terms of Use

The **Terms of Use** agreement will pop up. Please read the agreement terms and select "Agree" to continue to the data portal. Clicking on "Decline" will not allow access to the data portal.

Terms of Use

These data are provided by the Michigan Department of Health and Human Services (MDHHS) MiTracking Program through a cooperative agreement with the Centers for Disease Control and Prevention (CDC). Please acknowledge MDHHS and CDC as original data sources in all reports or presentations based on these data.

By accessing these data and using the MiTracking Program, I acknowledge and agree to the following:

- · I will use the data for statistical reporting and analysis only.
- I will not attempt to learn the identity of any person included in the data, and will not combine these data with other data for the purpose of matching records to identify individuals.
- In the event I discover the identity of any person or establishment through my use of this database; I will not disclose or make use of such information, and will immediately report the incident to mdhhs-mitracking@michigan.gov.
- I will not imply or state, either in written or oral form, that interpretations based on these data are those of the original data sources unless I am formally collaborating with the data source.
- The environmental hazard and health outcome data shown on this website are not necessarily related. Some, but not all, environmental hazards are currently known or suspected to affect human health. Many personal risk factors that may be related to health outcome data are not represented.
- These data cannot be used for commercial purposes and shall not be used to engage in any method, act, or practice to conduct the solicitation or advertisement of goods, services, or real estate to Michigan consumers.
- MiTracking cannot guarantee the completeness of the information contained in these
 datasets and expressly disclaims liability for errors and omissions in their content.

Failure to comply with these Terms of Use may result in legal penalties.

Search Bar

- Use the Search Bar to perform a quick search.
- Type keywords into the Search Bar and click Search.
- Available measures will pop up for us to select.

DHHS MiTra n Department or Human Services Michigan	acking nEnvironmenta	I Public Health Tra	icking		Y
mpare Measures				Search Topics - use " " for exact search	Q Search
Required					
ategories:	*	Content Areas:		* Indicators: * Measures:	
Health -		Lead Exposure	e - Children 👻	Select an Indicator - Select a Measu	ure -
				Run Query Swite / to Advanced Query Clear Query	Save Query
9 Run a query to view tabu	ılar data.				
Run a query to view tabu	Jar data. Search Health	Results Lead Age of Exposure Housing	Number of Homes Built Before 1950	e What is Age of Housing? Age of housing refers to about how many homes within a geographic area (for example, a	× Select
Run a query to view tabu	Ilar data. Search Health	Results Lead Age of Exposure Housing - Children	Number of Homes Built Before 1950	e What is Age of Housing? Age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing and other population data, visit our population health content page	Select t
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Run a query to view tabu	Health Health Health Health	Results Lead Lead Children Lead Children Lead Exposure Children Lead Children Chil	Number of Homes Built Before 1950 Number of Homes Built Before 1980 Percent of Homes Built Before 1950 Percent of Homes Built Before 1980	 What is Age of Housing? Age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing and other population data, visit our population health content page What is Age of Housing? Age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing and other population data, visit our population health content page What is Age of Housing? Age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing and other population data, visit our population health content page What is Age of Housing? Age of housing and other population data, visit our population health content page What is Age of Housing? Age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing and other population data, visit our population health content page 	Select t Select t Select
Run a query to view tabu	Jar data. Search Health Health Health Health	Age of Exposure Age of Housing - children Blood Lead	Number of Homes Built Before 1950 Number of Homes Built Before 1980 Percent of Homes Built Before 1950 Percent of Homes Built Before 1950 1.Total Population of Children	 What is Age of Housing? Age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing and other population data, visit our population health content page What is Age of Housing? Age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing and other population data, visit our population health content page What is Age of Housing? Age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing and other population data, visit our population health content page What is Age of Housing? Age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing refers to about how many homes within a geographic area (for example, a county) were built before a certain time period (for example, 1980). For more information about age of housing and other population data, visit our population health content page What is Age of Housing? Age of housing and other population data, visit our population health content page What is Childhood Lead Exposure? Lead is a highly toxic metal that was commonly used in paint, gasoline, an	Select t Select t Select t Select t

Basic Query - 1

- Or we can conduct a Basic Query using the query tool. Let's conduct a Basic Query for annual blood lead level data.
- Using the drop-down boxes, select Health for Category, Lead Exposure Children for Content Area, and Annual Blood Lead Levels for Indicator.

chigan Department or alth & Human Services Michigan Environment	al Public Health Tracking		
Compare Measures		Search Topics - use " " for exact search	Q Search
 Note: Measures of population and pebecause we do not have the underlyis Data Options 	prcent tested are unavailable for children 1-2 years ng population numbers for these geographies. All	old and enrolled in Medicaid residing in Detroit or other measures are available for this group and ge	Wayne (without Detroit) X Close ographic level.
* = Required	* 0	* In dia ata an	* Малания
Health -	Lead Exposure - Children -	Annual Blood Lead Levels -	Select a Measure -
		Run Query Switch to Advar	nced Query Clear Query Save Query

Basic Query - 2

 Select measure number 5 - Percent of children tested with an elevated blood lead level.

ompare Measures		Search Topics - use " " for exact searc	h Q Search
Data Options 🗸			
Required			
Categories:	* Content Areas:	* Indicators:	* Measures:
Health 👻	Lead Exposure - Children 👻	Annual Blood Lead Levels 👻	5.Percent of Children Tested with an Elevated Blood Lead Level (EBLL) -
		Run Query Switch to Adv	ance d
			1. Total Population of Children
Table 🔟 Chart 🕅 Map	About These Data		2.Number of Children Tested for Lead
• • • • • • • • •			3.Percent of Children Tested for Lead
Run a query to view tabular data			4.Number of Children Tested with an Elevated Blood Lead Level (EBLL)
			5.Percent of Children Tested with an Elevated Blood Lead Level (EBLL)
			6.Number of Children Tested with a Venous Elevated Blood Lead Level by BLL Range
	MiTracking Data Po	ortal - Version 1.7.2 - PROD	7.Percent of Children Tested with a

Basic Query - 3

- Select **Run Query** for a basic query.
- Or click Switch to Advanced Query for additional options. Let's click Switch to Advanced Query.

chigan Department or balth & Human Services Michigan Enviro	NG onmental Public Health Tracking		
Compare Measures		Search Topics - use " " for exact search	Q Search
 Note: Measures of population because we do not have the indexe of the population of the p	i and percent tested are unavailable for children 1-2 year underlying population numbers for these geographies. Al	rs old and enrolled in Medicald residing in Detroit of II other measures are available for this group and g	eographic level.
* Categories:	* Content Areas:	* Indicators:	* Measures:
Health -	Lead Exposure - Children 👻	Annual Blood Lead Levels 👻	5.Percent of Children Tested with an Elevated Blood Lead Level (EBLL) +
		Run Query Switch to Adva	anced Query Clear Query Save Quer

- Additional **Geography and Time Periods** options are available for this measure.
- Under Geographic Level, there are three options: Health Departments, State and/or County + Detroit, and Zip Code.
- Click on State and/or County + Detroit.

*	Categories:	* Content Areas:	* Indicators:	* Measures:
	Health 👻	Lead Exposure - Children 👻	Annual Blood Lead Levels -	5.Percent of Children Tested with an Elevated Blood Lead Level (EBLL) -
G	Geography & Time Periods	~		
*	Geographic Level:	* State and/or County + Detroit:	* Year(s):	
	State and/or County + Detroit 🝷	Statewide Only Alcona (85) -	2021, 2020, (12) 👻	
	Filter Selections Below			
-	Health Departments (All)	Flood Lead Reference Value:	* Test Type:	
	State and/or County + Detroit	35 •	All Test Types	
	Zip Code	0.0		
			Run Query Switch to Basic	Query Clear Query Save Query

- A list of Michigan State and/or County + Detroit is now available when the down arrow is clicked.
 - Click Select All to select all locations.
 - Click **Deselect All** to clear selections.
 - Select specific counties by typing or scrolling and clicking on each location.



 For this search, let's select Genesee, Kent, Oakland, and Wayne (Out County) counties plus City of Detroit, which is listed last.

* Categories:	* Content Areas:	* Indicators:	* Measures:
Health -	Lead Exposure - Children -	Annual Blood Lead Levels -	5.Percent of Children Tested with an Elevated Blood Lead Level (EBLL)
Geography & Time Periods	,		
* Geographic Level:	* State and/or County + Detroit:	* Year(s):	
State and/or County + Detroit 👻	Genesee 👻	2021, 2020, (12) 👻	
▼ Other Filters ✓	Filter Selections Below		
* Age Group/Status:	✓ Select All × Deselect All	st Type:	
All Children <6 🗸	Dickinson	▲ All Test Types	
	Eaton	Run Query Switch to Basi	COULERY Clear OUERY Save QUERY
	Emmet		
🎟 Table 🔟 Chart 削 Map 🚯 A	Abc Genesee	✓	
	Gladwin		
• Run a query to view tabular data.	Gogebic		
	Grand Traverse		

• Next, select Years. Let's choose 2018-2021 by selecting each.

* Categories:	* Content Areas:	* Indicators:	* Measures:
Health 👻	Lead Exposure - Children 👻	Annual Blood Lead Levels 👻	5.Percent of Children Tested with an Elevated Blood Lead Level (EBLL) -
🧔 Geography & Time Periods 🗸			
* Geographic Level: 0	* State and/or County + Detroit:	* Year(s):	0
State and/or County + Detroit 👻	Genesee, Kent, (5) -	2021, 2020, (4) 👻	
- Other Filters		Filter Selections Below	
♥ Other Filters ♥		✓ Select All × Deselect All	-
* Age Group/Status:	* Blood Lead Reference Value:	2024	
All Children < 6 -	3.5 -	2021	
		2020	
		2019	✓ Clear Query Save Query
		2018	1
🖽 Table 🔟 Chart 🕅 Map 🚯 A	bout These Data	2017	
		2016	
8 Run a query to view tabular data.		2015	
		2014	-
	MiTracking Data Portal	-Ve 2013	-J
	ML gov I MiTracking Home I Co	ntact Policios L Sond Foodback	

- There are Other Filters for this search including Age Group, Blood Lead Reference Value (BLRV), and Test Type.
- Let's click **BLRV** and **Select All**.

* Categories:	* Content Areas:	* Indicators:	* Measures:
Health -	Lead Exposure - Children 🔹	Annual Blood Lead Levels -	5.Percent of Children Tested with an Elevated Blood Lead Level (EBLL) ▼
Geography & Time Periods	~		
* Geographic Level:	* State and/or County + Detroit:	* Year(s):	
State and/or County + Detroit ·	€ Genesee, Kent, (5) →	2021, 2020, (4) 👻]
▼ Other Filters ✓			
* Age Group/Status:	* Blood Lead Reference Value:	* Test Type:	
All Children < 6 -	3.5, 5 👻	All Test Types 👻	
	Filter Selections Below	Run Query Switch to B	asic Query Clear Query Save Query
	✓ Select All × Deselect All		
🎟 Table 🛛 🛄 Chart 🕅 Map 🚯	Abo 3.5	✓	
 Run a query to view tabular data. 	5		

• Let's click on **Test Type** and select **Select All.**

* Categories:	* Content Areas:	* Indicators:	* Measures:
Health -	Lead Exposure - Children -	Annual Blood Lead Levels -	5.Percent of Children Tested with an Elevated Blood Lead Level (EBLL) -
Geography & Time Periods	v		
* Geographic Level:	* State and/or County + Detroit:	* Year(s):	
State and/or County + Detroit •	Genesee, Kent, (5) 👻	2021, 2020, (4) 👻	
▼ Other Filters ∨			
* Age Group/Status:	* Blood Lead Reference Value:	* Test Type:	
All Children <6 -	3.5, 5 💌	All Test Types, Capillary Test, (3) -	
		Filter Selections Below ✓ Select All × Deselect All	Jery Clear Query Save Query
I Table 🔟 Chart 🕅 Map 🚯	About These Data	All Test Types	✓
Run a query to view tabular data.		Capillary Test Venous Test	✓ ✓

- Select **Run Query** to execute the search.
- Click Clear Query to start over.
- Click **Save Query** to save the search and use it for later.

* Categories:	* Content Areas:	* Indicators:	* Measures:
Health -	Lead Exposure - Children -	Annual Blood Lead Levels -	5.Percent of Children Tested with an Elevated Blood Lead Level (EBLL) -
Geography & Time Periods	~		
* Geographic Level:	* State and/or County + Detroit:	* Year(s):	
State and/or County + Detroit 🔹		2021, 2020, (4) 🔹	
	Genesee, Kent, (5) ▼		
▼ Other Filters ∨			
* Age Group/Status:	* Blood Lead Reference Value:	* Test Type:	
All Children <6 •	3.5, 5 👻	All Test Types, Capillary Test, (3) 🔹	
		Run Query Switch to Ba	sic Query Clear Query Save Query

Query Results

- After a query, results appear in different formats in these tabs: Table, Chart, and Map.
- About These Data is also available.



Table

- The Table tab appears, which is sorted alphabetically by geographic area at first.
- Click on the column titles to sort the table by any variable.

5.Percent of Children Tested with an Elevated Blood Lead Level (EBLL) - Selected year(s)

<u>Geographic</u> <u>Area(s)</u> ✦	<u>Year(s)</u> \$	<u>Age</u> <u>Group/Status</u> ≎	<u>Test Type</u> ≑	<u>Blood Lead</u> <u>Reference Value</u> \$	<u>Number of</u> <u>Children Tested</u> ≎	Number of Children with an EBLL ≎	Percent of Children Tested with an EBLL ≎
Genesee	2018	All Children <6	All Test Types	3.5	6349	220	3.5
Genesee	2018	All Children <6	All Test Types	5	6349	95	1.5
Genesee	2018	All Children <6	Capillary Test	3.5	6349	143	2.3
Genesee	2018	All Children <6	Capillary Test	5	6349	54	0.9
Genesee	2018	All Children <6	Venous Test	3.5	6349	77	1.2
Genesee	2018	All Children <6	Venous Test	5	6349	41	0.6
Genesee	2019	All Children <6	All Test Types	3.5	6069	237	3.9
Genesee	2019	All Children <6	All Test Types	5	6069	104	1.7
Genesee	2019	All Children <6	Capillary	3.5	6069	163	2.7

Chart - 1

- To see results in chart or graph form, click on the Chart tab.
- Change the chart from a line chart to a bar chart by clicking on the button with the bar chart icon.



Chart - 2

- Click on the drop-down boxes above the chart to deselect or select options.
- Geographies and other filters can be added and removed from the chart, since they were chosen in the advanced query.



Maps

- Click on the Map tab to see results in map form.
- Filters can be added and removed from the map.
- To see each year, select a specific year in the dropdown box.
- See the change over time with the time-lapse feature by clicking on the **Play** (triangle) button.



Other Options - 1

- Click the **Download Data** button to download data in many different file types.
- To save images of charts and maps, click on **Save Image**.



About These Data

• The **About These Data** section is a shorter version of the full metadata available only after a query has been run. It provides information on the dataset.



Other Options - 2

• Click on **Data Options** at the top of the page or the blue **Edit Data Options** button to edit the query or start a new query.

Compare Measures						Search Topics - us	e " " for exact :	search		
🗴 Data Options 🗲										
⊞ Table 🔟 Chart	Map 🚯 Abo	out These Data								
Contemporary Conte	🕹 Download Data	🖺 Save Image	Options -							
								10000 000 000		
		5.Percer	nt of Children Tes	sted with an E	levated E	Blood Lead L	_evel (EB	LL) - Sele	cted year(s)	
)	5.Percer	nt of Children Tes	sted with an E	levated E	lood Lead L	₋evel (EB	LL) - Sele	cted year(s)	
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That's It!

- We just ran a childhood lead exposure data query on the MiTracking data portal.
- If you have questions or need more information about childhood lead testing data, please contact the CLPPP program at <u>MDHHS-</u> <u>CLPPP@Michigan.gov</u>.
- If you have questions about the MiTracking data portal or would like to share how you have used it, email us at <u>MDHHS-MiTracking@Michigan.gov</u>.
- Thank you for taking the time to watch this tutorial. Check back later for more updates.