

Grand Rapids Blood Lead Data

A PRESENTATION OF BLOOD LEAD DATA IN THE CITY OF GRAND RAPIDS, MI.

PREPARED FOR THE LEAD FREE KIDS GRAND RAPIDS ADVISORY COMMITTEE MEETING, FEBRUARY 5TH, 2019

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Objectives

- Understanding CLPPP and what we do
- Grand Rapids Blood Lead Data

Childhood Lead Poisoning Prevention Program (CLPPP)

- Mission Statement
 - To prevent childhood lead poisoning through surveillance, outreach and health services
- Vision Statement
 - No child in Michigan suffers from Lead Poisoning
- Values
 - Accountability
 - Accuracy
 - Competency
 - Effective communication
 - Statewide support
 - Transparency

CLPPP Data Surveillance: Overview

- Blood is drawn and analyzed
- Test Result reported by testing lab to CLPPP
- Results imported into MICLPS
- MICLPS populates HHPSS and provides the weekly HD uploads
- Results sent to MDHHS Data Warehouse
 - Linked with MCIR
- Reports and data requests are pulled from the warehouse

CLPPP Data Surveillance

- Providers: 8000+
 - Order lead test to be performed by clinical laboratory
 - LeadCare
 - Many PCP, Local Health Departments, WIC clinics and other community groups perform in office Capillary screening using the Leadcare2 machines
- Laboratories: 400+
 - Clinical labs, hospital labs, nationwide labs and Leadcare users
 - Receive blood samples from providers
 - Can do both Capillary and Venous tests

CLPPP Data Surveillance: Weekly Process

- Import all test results into surveillance database (MICLPS)
- Ensure all data is accurate and complete
 - Address validation
 - Check for missing patient information (Name, DOB)
 - Check date logic
 - 1 page sheet is sent to provider or lab to get information before it is included in the weekly file
- Produce weekly reports
 - Healthy homes section
 - ABLES program
 - HHL PSS database
 - Local Health Departments
 - Data Warehouse

CLPPP Data Surveillance: Data Outputs

- Weekly reports
 - Local Health Departments
 - Partner agencies
- Monthly reports
 - Executive Report
- Quarterly
 - CDC
 - Public Housing Authorities
 - DUAs
- Annual Reports
 - CLPPP Annual (Provisional/Final)
 - Legislative report
 - CDC
- Data Requests

CLPPP EBL Nursing Case Management

- CLPPP oversees the nursing case management activities performed by the Local Health Departments throughout Michigan
- Includes: outreach to the family/guardian of each child, nursing assessment of the child and the child's home environment, service/referral planning, and resource identification
- Reimbursement for in-home nursing case management to LHDs
 - \$201.58 per home visit
 - Children must be Medicaid-enrolled, under 6 y/o, confirmatory venous test
- Most recent numbers – July → September 2018 252 children received 353 in-home nursing case management visits throughout MI, of these visits 46 took place in Kent County for 28 children

Grand Rapids Data

BLOOD LEAD TESTING DATA FROM THE CLPPP 2017 ANNUAL REPORT DATASET.

Table 1: Children <6 in City of Grand Rapids 5-year trends, 2013-2017

	2013			2014			2015			2016			2017		
	Total Tested	Total EBL	Percent EBL	Total Tested	Total EBL	Percent EBL	Total Tested	Total EBL	Percent EBL	Total Tested	Total EBL	Percent EBL	Total Tested	Total EBL	Percent EBL
GRAND RAPIDS	6378	466	7.3%	6376	399	6.3%	6303	524	8.3%	6633	531	8%	6441	370	6%
49503-49508	5074	444	8.8%	4801	377	7.9%	4718	485	10.3%	4950	503	10.2%	4885	347	7.1%
Michigan	148639	5743	3.9%	144099	5089	3.5%	141509	4815	3.4%	157813	5668	4%	150068	4711	3%

Figure 1: Total Number of Children <6 Tested, 2013-2017

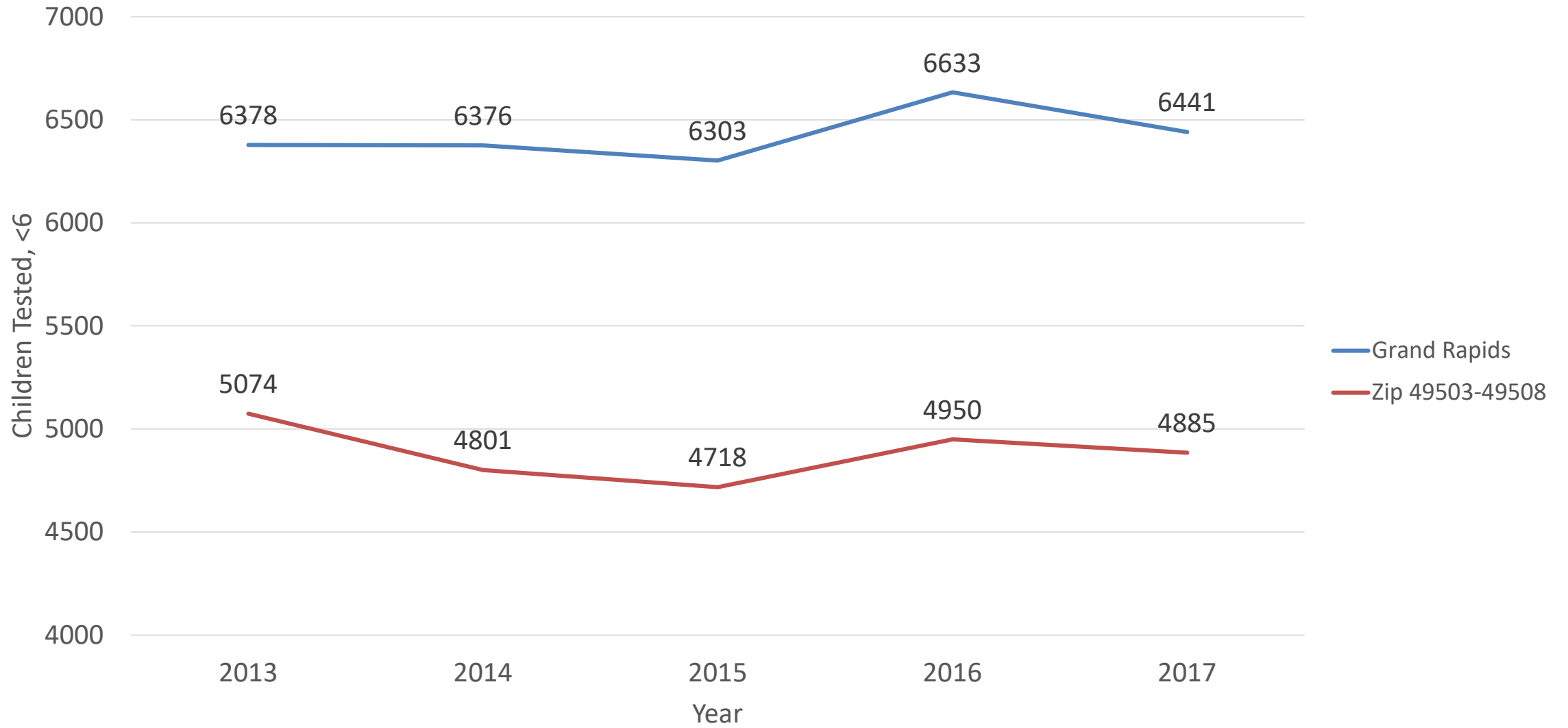


Figure 2: Total Number EBL Children <6, 2013-2017

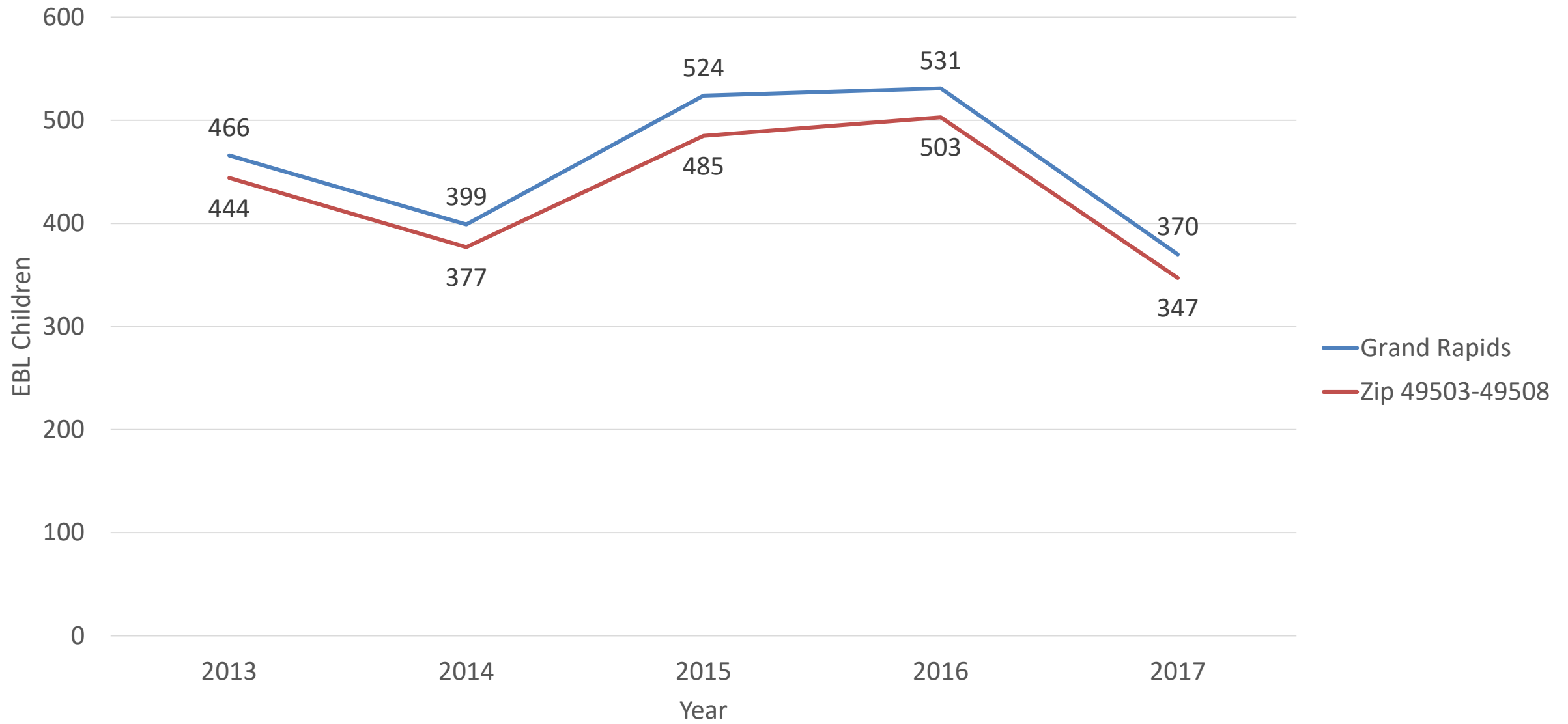


Figure 3: Percent of Children <6 tested with an EBL, 2013-2017

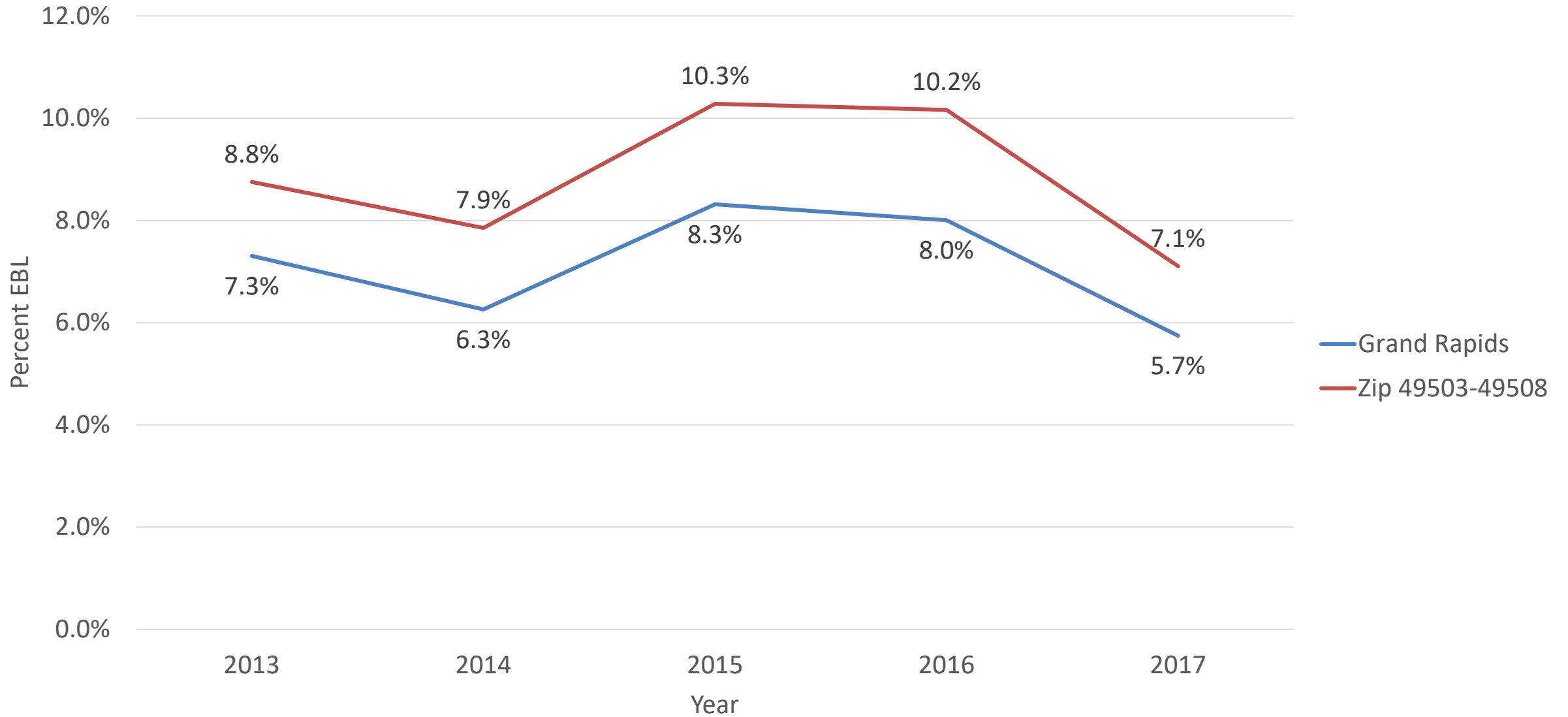


Table 2: Children 1-2 in City of Grand Rapids 5-year trends, 2013-2017

	2013			2014			2015			2016			2017		
	Total Tested	Total EBL	Percent EBL	Total Tested	Total EBL	Percent EBL	Total Tested	Total EBL	Percent EBL	Total Tested	Total EBL	Percent EBL	Total Tested	Total EBL	Percent EBL
GRAND RAPIDS	5034	354	7.0%	5055	308	6.1%	5072	420	8.3%	5220	394	7.5%	5158	274	5.3%
49503-49508	3963	342	8.6%	3750	288	7.7%	3753	381	10.2%	3820	373	9.8%	3833	253	6.6%
Michigan	88386	3569	4.0%	87640	3102	3.5%	87723	3027	3.5%	95219	3470	3.6%	93173	2858	3.1%

Figure 4: Total Number of Children 1-2yrs Tested, 2013-2017

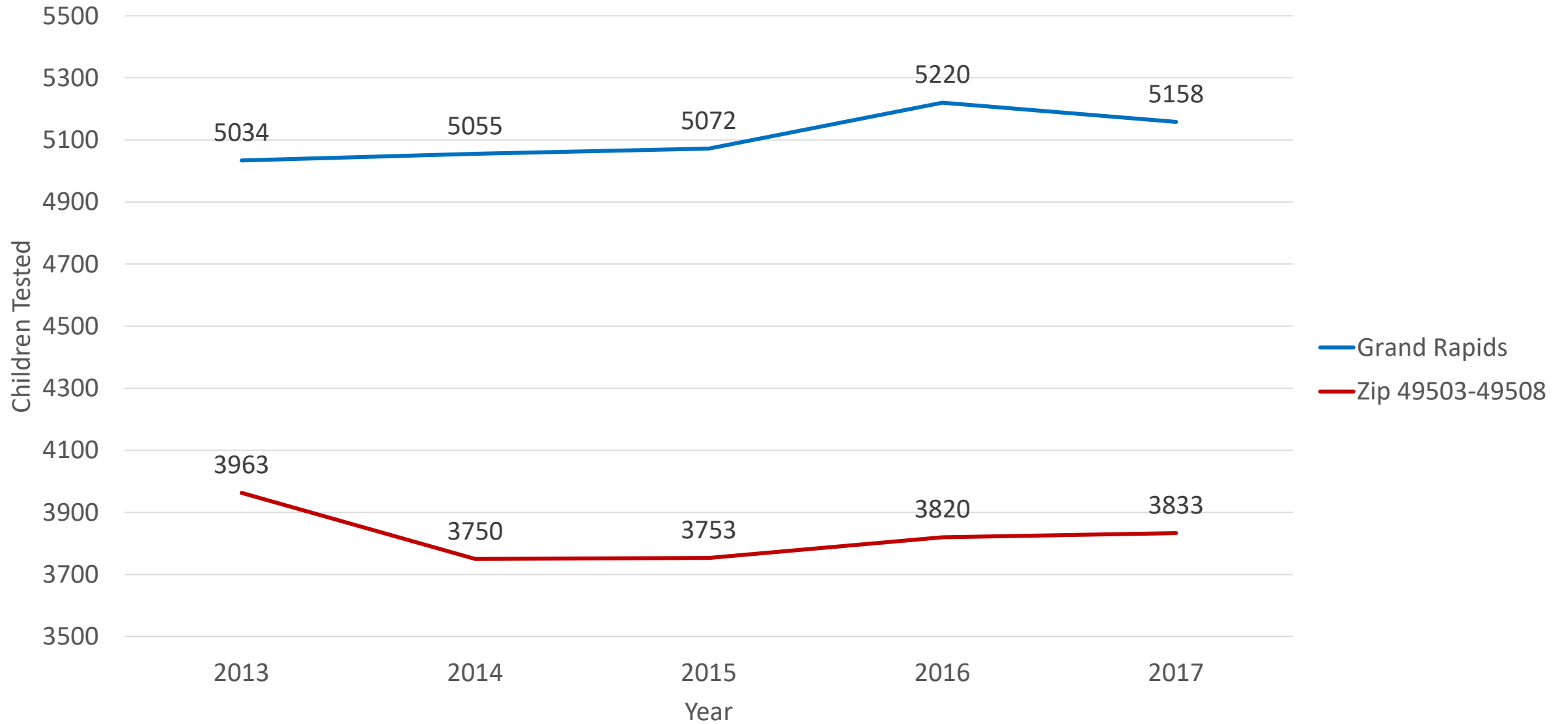


Figure 5: Total Number EBL Children 1-2yrs, 2013-2017

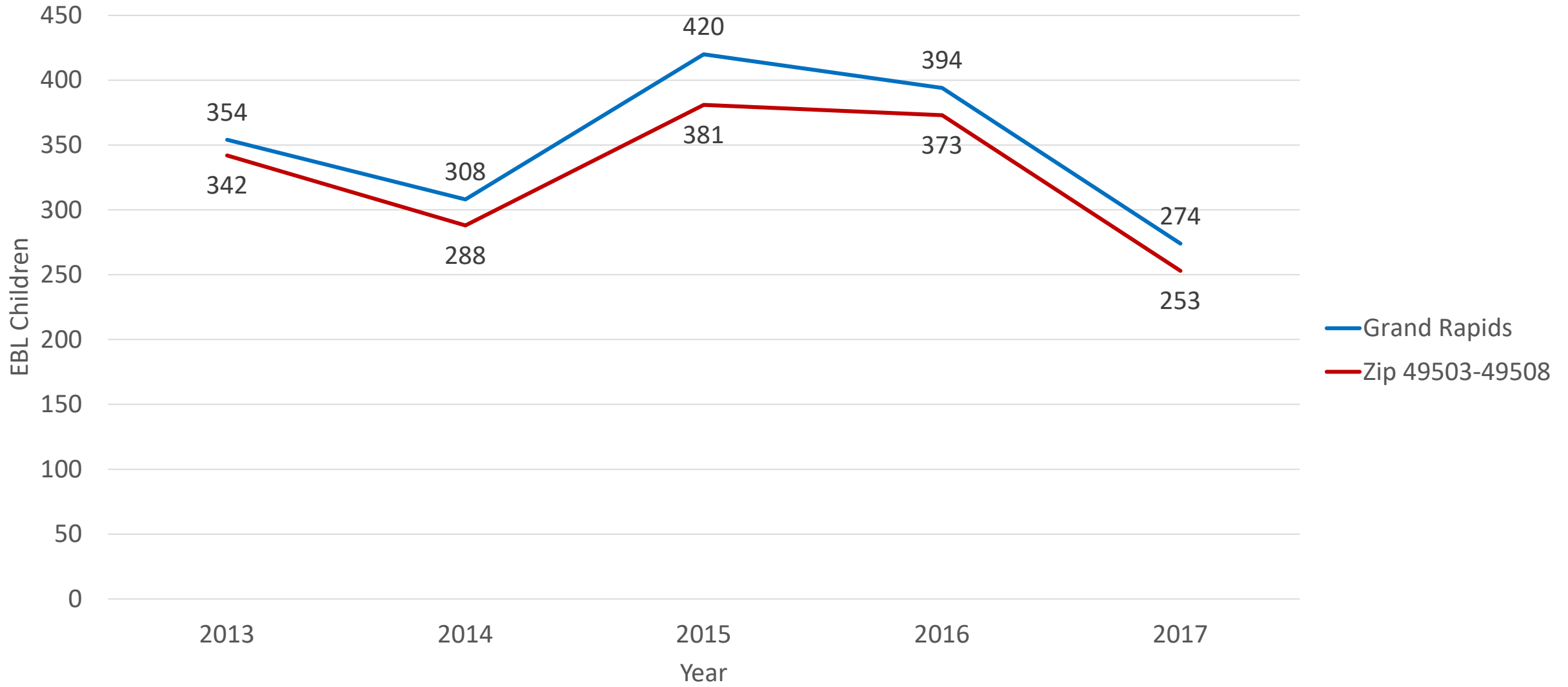


Figure 6: Percent of Children 1-2yrs tested with an EBL, 2013-2017

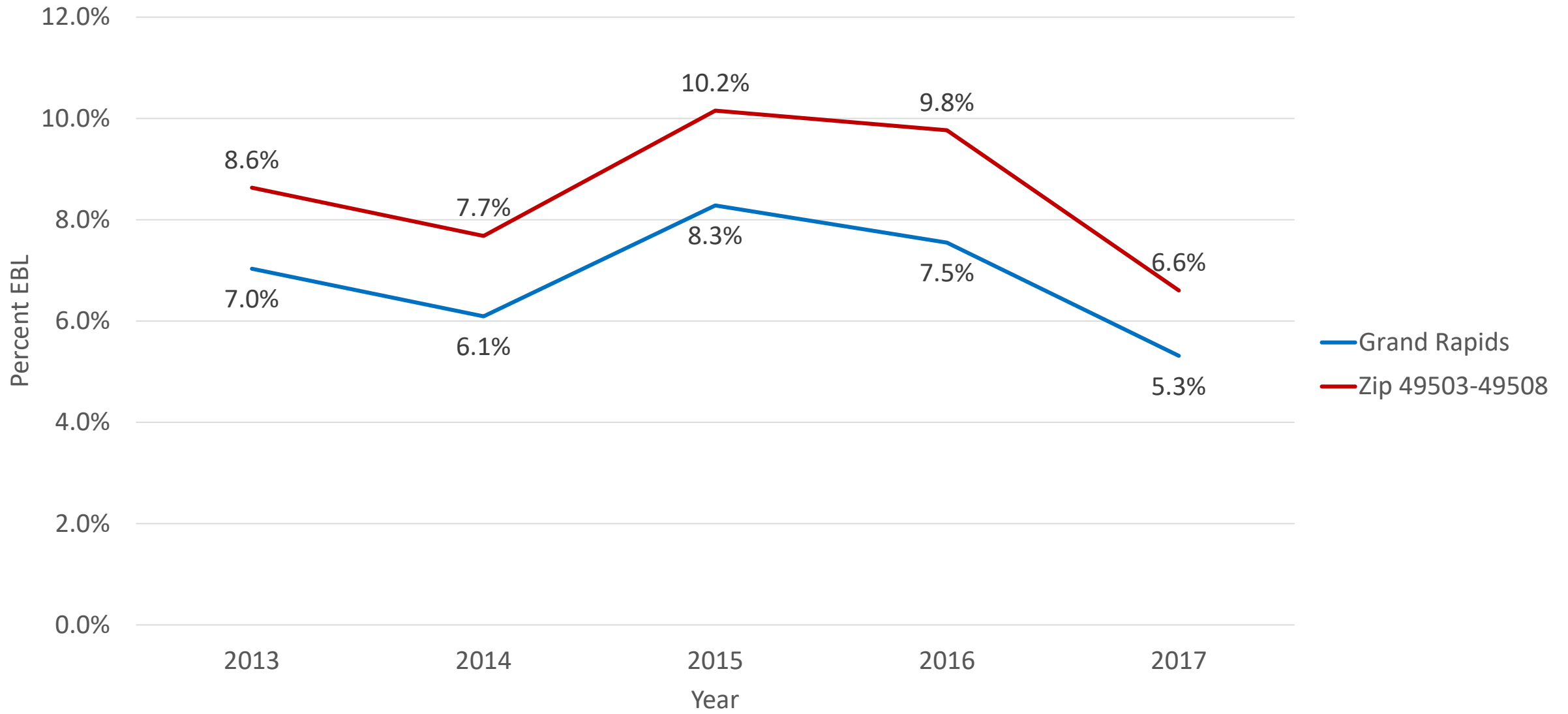


Table 3: 2017 Zip code data for Children <6 years

Zip	Total Tested	Total Tested Zip Code Rank*	Total EBL	Total EBL Zip Code Rank*	Percent EBL
49503	847	20	73	17	8.6%
49504	798	26	56	20	7.0%
49505	564	68	30	43	5.3%
49506	516	75	33	33	6.4%
49507	1334	13	134	1	10.0%
49508	826	23	21	57	2.5%

*Out of 1538 zip codes in Michigan

Questions/Comments

Contact Information

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CLPPP website; www.michigan.gov/lead