Table 4B
2016   Pediatric Nutrition Survelliance   (1)
Michigan
Run Date: 04/03/2017
Comparison of Racial and Ethnic Distribution by County
Children Aged < 5 Years   (2)

Comparison of Racial and Ethnic Distribution

County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Alcona	164	88.4	0.0	6.1	0.0	0.0	5.5	0.0
Alger	133	90.2	0.0	0.0	3.8	0.0	6.0	0.0
Allegan	5,427	53.6	3.3	35.8	0.1	1.6	5.0	0.6
Alpena	741	92.0	0.7	3.1	0.0	0.1	3.9	0.1
Antrim	505	92.7	0.0	2.4	0.8	0.0	4.2	0.0
Arenac	475	90.9	0.8	3.2	0.2	0.2	4.6	0.0
Baraga	239	46.4	0.0	2.1	42.7	0.0	8.8	0.0
Barry	1,197	93.1	0.3	3.3	0.1	0.0	2.8	0.3
Bay	2,524	69.7	2.6	14.8	0.0	0.2	11.8	0.9
Benzie	400	86.8	0.0	6.5	0.3	0.0	6.5	0.0
Berrien	3,662	45.8	37.3	8.0	0.1	0.5	7.8	0.4
Branch	1,479	80.6	0.3	14.1	0.0	0.1	4.5	0.4
Calhoun	4,461	50.0	19.3	9.8	0.1	6.4	14.3	0.1
Cass	1,796	50.9	6.2	29.7	0.1	0.4	10.8	1.8
Charlevoix	682	87.0	0.4	4.3	0.7	0.4	7.2	0.0
Cheboygan	487	79.5	1.0	3.3	0.0	0.8	15.4	0.0
Chippewa	1,028	44.0	0.3	3.3	17.8	0.8	33.7	0.2

(1) Reporting period is January 1 through December 31
(2) Analyses based on one record per child
(3) Excludes records with errors.
* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 4B
2016   Pediatric Nutrition Survelliance (1)
Michigan
Run Date: 04/03/2017
Comparison of Racial and Ethnic Distribution by County
Children Aged < 5 Years   (2)

Comparison of Racial and Ethnic Distribution

County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Clare	984	88.4	0.0	5.5	0.0	0.2	5.8	0.1
Clinton	854	77.4	1.3	14.6	0.0	0.2	6.2	0.2
Crawford	333	90.7	0.3	1.2	0.0	0.0	7.5	0.3
Delta	1,048	78.8	0.0	3.8	0.3	0.0	17.1	0.0
Dickinson	675	90.2	0.1	3.1	0.3	0.1	5.8	0.3
Eaton	1,385	79.1	3.3	10.3	0.0	0.8	6.4	0.2
Emmet	820	81.8	1.6	4.1	5.6	1.0	5.9	0.0
Genesee	11,034	42.3	36.8	7.3	0.0	0.3	13.2	0.1
Gladwin	712	94.1	0.8	2.2	0.6	0.0	2.2	0.0
Gogebic	373	81.0	0.5	2.9	7.5	0.0	7.8	0.3
Gr Travers	1,808	83.0	0.9	8.1	0.7	0.3	6.7	0.3
Gratiot	1,082	75.8	0.1	19.4	0.0	0.1	4.6	0.0
Hillsdale	1,262	86.9	0.2	6.3	0.1	0.1	5.9	0.5
Houghton	770	87.8	1.3	1.9	0.0	2.1	6.9	0.0
Huron	716	90.5	0.1	6.6	0.0	0.0	2.8	0.0
Ingham	6,781	32.9	24.5	20.2	0.0	6.5	15.6	0.1
Ionia	1,606	81.8	0.2	13.7	0.0	0.1	4.2	0.0

(1) Reporting period is January 1 through December 31
(2) Analyses based on one record per child
(3) Excludes records with errors.
* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 4B
2016   Pediatric Nutrition Survelliance (1)
Michigan

Run Date: 04/03/2017

Comparison of Racial and Ethnic Distribution by County
Children Aged < 5 Years   (2)

Comparison of Racial and Ethnic Distribution

County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Iosco	685	87.0	0.1	4.5	0.0	0.0	8.3	0.0
Iron	288	95.1	0.0	2.1	0.3	0.0	2.4	0.0
Isabella	1,426	77.3	4.4	4.2	2.0	1.5	10.4	0.2
Jackson	4,526	61.2	13.3	8.8	0.1	0.3	16.3	0.0
Kalamazoo	6,485	41.0	32.9	12.0	0.0	1.1	12.9	0.1
Kalkaska	418	90.0	0.0	4.3	0.0	0.0	5.5	0.2
Kent	16,924	31.0	21.7	33.3	0.1	4.4	9.4	0.2
Lake	289	61.6	14.9	7.3	0.0	0.0	16.3	0.0
Lapeer	1,969	72.5	0.8	19.4	0.1	0.2	7.0	0.1
Leelanau	222	45.5	0.9	32.0	8.1	0.0	12.6	0.9
Lenawee	2,181	60.5	1.8	26.5	0.0	0.0	10.5	0.6
Livingston	1,676	86.9	1.0	5.9	0.2	0.4	5.5	0.0
Luce	183	85.8	0.0	0.5	3.3	0.0	10.4	0.0
Mackinac	191	31.4	1.0	1.6	2.6	0.5	62.8	0.0
Macomb	13,526	57.3	22.6	5.5	0.0	5.0	9.6	0.1
Manistee	495	73.5	1.0	7.5	1.2	0.0	16.6	0.2
Marquette	1,156	78.6	0.3	5.0	0.8	0.7	14.2	0.3

(1) Reporting period is January 1 through December 31
(2) Analyses based on one record per child
(3) Excludes records with errors.
* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 4B
2016   Pediatric Nutrition Survelliance (1)
Michigan

Run Date: 04/03/2017

Comparison of Racial and Ethnic Distribution by County
Children Aged < 5 Years   (2)

Comparison of Racial and Ethnic Distribution

County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Mason	733	74.8	0.8	17.2	0.1	0.1	6.8	0.1
Mecosta	1,081	82.1	4.1	4.5	0.6	0.2	8.5	0.1
Menominee	431	66.1	1.2	5.6	15.3	0.0	11.6	0.2
Midland	1,684	89.0	1.4	4.0	0.2	0.2	4.9	0.3
Missaukee	348	89.9	0.0	8.0	0.3	0.6	1.1	0.0
Monroe	2,777	75.0	6.4	8.2	0.1	0.3	9.8	0.1
Montcalm	1,509	88.5	0.1	7.4	0.1	0.0	3.7	0.1
Montmorenc	169	95.9	0.6	0.6	0.6	0.0	1.2	1.2
Muskegon	5,992	49.5	23.7	13.4	0.2	0.2	13.1	0.1
Newaygo	1,628	75.8	0.4	17.9	0.1	0.0	5.8	0.1
Oakland	15,315	39.2	37.1	13.7	0.0	2.1	7.9	0.1
Oceana	947	47.9	0.5	47.6	0.2	0.0	3.1	0.6
Ogemaw	640	85.3	0.2	6.3	0.2	0.0	8.1	0.0
Ontonagon	77	*	*	*	*	*	*	*
Osceola	543	90.2	0.6	3.1	0.0	0.0	5.5	0.6
Oscoda	240	90.8	0.0	5.0	0.4	0.0	3.8	0.0
Otsego	782	95.5	0.3	0.9	0.4	0.5	2.4	0.0

(1) Reporting period is January 1 through December 31
(2) Analyses based on one record per child
(3) Excludes records with errors.
* Percentages are not calculated if <100 records are available for analysis after exclusions

Comparison of Racial and Ethnic Distribution

County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Ottawa	2,050	80.8	1.7	11.0	0.1	1.0	5.4	0.0
Presque Is	197	84.8	0.5	3.0	0.0	2.0	9.6	0.0
Roscommon	529	86.2	0.2	6.2	0.0	0.4	7.0	0.0
Saginaw	5,839	30.8	38.5	22.1	0.0	0.3	8.0	0.3
Sanilac	865	86.9	0.5	8.6	0.0	0.0	4.0	0.0
Schoolcraf	225	71.6	0.0	0.9	10.7	1.3	15.6	0.0
Shiawassee	1,835	82.9	0.6	7.7	0.0	0.2	8.4	0.2
St Clair	3,231	69.1	5.3	9.9	0.0	0.2	15.1	0.3
St Joseph	2,065	65.4	4.2	22.3	0.0	0.1	7.9	0.0
Tuscola	1,414	87.2	0.2	8.3	0.2	0.1	4.0	0.0
Van Buren	2,390	55.6	4.0	33.0	0.0	0.2	5.6	1.6
Washtenaw	4,964	30.8	36.5	12.6	0.2	3.9	15.7	0.4
Wayne	59,429	26.6	55.5	11.2	0.1	2.4	4.2	0.1
Wexford	1,277	90.6	0.1	3.9	0.1	0.0	4.9	0.5
Michigan	231,594	48.5	27.2	13.6	0.3	2.0	8.3	0.2
Nation (Prior Year)	512,698	49.2	22.6	17.4	0.6	3.0	7.0	0.2

(1) Reporting period is January 1 through December 31
(2) Analyses based on one record per child
(3) Excludes records with errors.
* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 5B
2016   Pediatric Nutrition Survelliance (1)
Michigan   Run Date: 04/03/2017
Comparison of Age Distribution by County
Children Aged < 5 Years   (2)

Comparison of Age Distribution				
County	Number Included in Analysis	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Alcona	164	29.9	25.6	47.6
Alger	133	33.1	18.0	52.6
Allegan	5,427	31.1	27.7	45.4
Alpena	741	32.1	26.7	45.6
Antrim	505	32.9	25.0	46.5
Arenac	475	32.8	26.5	45.9
Baraga	239	29.7	23.0	49.8
Barry	1,197	34.5	24.6	45.4
Bay	2,524	33.4	25.5	45.0
Benzie	400	36.0	25.8	41.5
Berrien	3,662	38.4	22.8	42.8
Branch	1,479	31.7	26.0	46.3
Calhoun	4,461	34.7	24.3	45.6
Cass	1,796	29.6	25.3	49.2
Charlevoix	682	29.6	22.3	50.9
Cheboygan	487	35.7	24.4	43.5
Chippewa	1,028	34.5	24.8	45.5
Clare	984	32.2	26.8	46.2
Clinton	854	37.7	21.5	43.3

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 5B

2016   Pediatric Nutrition Survelliance (1)

Run Date: 04/03/2017

Michigan

Comparison of Age Distribution by County

Children Aged < 5 Years (2)

Comparison of Age Distribution				
County	Number Included in Analysis	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Crawford	333	36.0	27.0	42.0
Delta	1,048	31.8	27.6	45.6
Dickinson	675	37.0	18.8	47.3
Eaton	1,385	34.6	24.5	44.4
Emmet	820	35.4	24.0	45.2
Genesee	11,034	40.1	21.8	41.3
Gladwin	712	29.9	26.0	48.5
Gogebic	373	32.7	26.3	44.8
Gr Travers	1,808	36.6	25.1	42.3
Gratiot	1,082	35.4	23.0	45.5
Hillsdale	1,262	36.5	22.7	45.4
Houghton	770	35.8	23.4	44.9
Huron	716	38.5	20.8	43.0
Ingham	6,781	38.6	22.5	42.7
Ionia	1,606	35.0	25.3	44.6
Iosco	685	37.7	25.5	41.3
Iron	288	33.3	24.3	47.2
Isabella	1,426	35.8	25.2	43.3
Jackson	4,526	34.0	24.6	45.7

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 5B

2016   Pediatric Nutrition Survelliance (1)

Run Date: 04/03/2017

Michigan

Comparison of Age Distribution by County

Children Aged < 5 Years   (2)

Comparison of Age Distribution				
County	Number Included in Analysis	0 - 11 Months	12 - 23 Months	24 - 59 Months
		%	%	%
Kalamazoo	6,485	36.8	21.7	44.7
Kalkaska	418	32.1	25.6	46.4
Kent	16,924	35.7	23.5	44.9
Lake	289	30.8	23.2	50.2
Lapeer	1,969	32.4	26.5	45.3
Leelanau	222	32.9	26.1	44.6
Lenawee	2,181	37.7	24.3	40.9
Livingston	1,676	34.0	25.6	45.5
Luce	183	26.8	29.5	50.3
Mackinac	191	28.3	30.9	45.0
Macomb	13,526	38.7	23.7	41.2
Manistee	495	33.1	26.5	43.6
Marquette	1,156	31.7	28.5	43.8
Mason	733	32.2	29.2	43.1
Mecosta	1,081	35.2	24.1	43.8
Menominee	431	36.4	22.7	44.5
Midland	1,684	39.0	21.3	43.8
Missaukee	348	29.3	23.9	51.7
Monroe	2,777	35.5	25.2	44.2

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 5B

2016   Pediatric Nutrition Survelliance (1)

Michigan

Run Date: 04/03/2017

Comparison of Age Distribution by County

Children Aged < 5 Years   (2)

Comparison of Age Distribution				
County	Number Included in Analysis	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Montcalm	1,509	37.0	21.8	44.4
Montmorenc	169	28.4	32.5	45.0
Muskegon	5,992	35.0	24.5	44.1
Newaygo	1,628	30.5	25.2	48.7
Oakland	15,315	39.6	21.7	41.8
Oceana	947	33.2	22.9	47.1
Ogemaw	640	34.5	24.1	46.4
Ontonagon	77	*	*	*
Osceola	543	32.2	23.6	48.3
Oscoda	240	31.7	29.2	43.8
Otsego	782	36.3	25.1	42.1
Ottawa	2,050	31.5	25.3	47.0
Presque Is	197	32.0	23.9	51.8
Roscommon	529	34.2	25.5	45.0
Saginaw	5,839	37.1	23.4	43.6
Sanilac	865	39.8	23.6	40.7
Schoolcraf	225	40.9	20.9	42.7
Shiawassee	1,835	34.1	23.2	46.3
St Clair	3,231	34.6	26.2	44.7

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 5B
2016   Pediatric Nutrition Survelliance (1)

Run Date: 04/03/2017

Michigan
Comparison of Age Distribution by County
Children Aged < 5 Years   (2)

Comparison of Age Distribution				
County	Number Included in Analysis	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
St Joseph	2,065	34.9	21.9	46.6
Tuscola	1,414	32.5	26.6	46.7
Van Buren	2,390	32.3	24.9	46.8
Washtenaw	4,964	36.5	22.7	44.4
Wayne	59,429	38.6	22.1	42.6
Wexford	1,277	32.0	27.8	44.5
Michigan	231,594	36.7	19.6	43.7
Nation (Prior Year)	512,698	38.5	18.3	43.2

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2016   Pediatric Nutrition Survelliance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

Run Date: 04/03/2017

Comparison of Growth and Anemia Indicators (3)

County	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
		Low	High		Short Stature	Under-Weight	Obese	>= 2 Yrs Overweight and obese				
	Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Alcona	29	*	*	155	8.4	0.6	11.0	73	*	*	120	16.7
Alger	24	*	*	124	8.1	1.6	8.9	62	*	*	79	*
Allegan	1,180	8.7	9.2	5,247	5.1	2.6	11.4	2,351	18.5	14.9	3,659	26.2
Alpena	156	6.4	13.5	717	8.2	1.1	14.4	322	17.1	17.1	513	13.5
Antrim	99	*	*	495	7.1	4.4	12.3	227	15.9	15.0	335	9.3
Arenac	94	*	*	458	4.8	1.5	12.4	210	16.7	21.9	323	8.4
Baraga	39	*	*	229	7.0	0.9	17.0	112	23.2	21.4	166	13.9
Barry	248	10.1	6.9	1,162	7.6	2.6	11.6	520	20.0	13.8	773	6.3
Bay	571	8.9	11.9	2,468	8.1	1.3	12.9	1,094	19.2	16.8	1,729	7.1
Benzie	100	5.0	7.0	388	5.9	4.9	8.5	158	15.2	12.7	253	13.4
Berrien	845	8.5	8.0	3,554	7.0	3.6	9.5	1,494	16.2	13.0	2,429	13.9
Branch	301	7.0	8.3	1,448	8.3	1.9	13.5	663	16.6	14.3	981	2.0
Calhoun	995	9.9	7.6	4,314	7.7	3.4	11.9	1,940	18.4	15.1	2,995	23.1
Cass	339	6.2	8.0	1,756	4.6	2.7	12.0	852	18.4	14.3	1,290	16.2

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd
    percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile,
    overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2016   Pediatric Nutrition Survelliance   (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years   (2)

Run Date: 04/03/2017

Comparison of Growth and Anemia Indicators   (3)

County	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
	Number	% <2500 g	% >4000 g	Short Stature — Number	%	Under-Weight %	Obese %	>= 2 Yrs Overweight and obese — Number	% Overweight	% Obese	Number	%
Charlevoix	124	8.1	5.6	665	6.0	3.6	9.8	343	14.0	12.8	490	6.1
Cheboygan	105	11.4	7.6	474	6.3	4.0	8.6	201	17.4	11.4	313	10.9
Chippewa	199	8.0	14.1	975	6.4	2.4	14.6	435	14.9	17.5	671	15.9
Clare	216	6.9	4.2	951	8.4	1.6	10.9	430	20.0	15.6	663	8.4
Clinton	201	6.5	8.0	838	8.6	1.9	9.5	358	18.4	10.6	548	4.2
Crawford	71	*	*	320	6.6	1.6	11.6	136	15.4	15.4	222	21.6
Delta	209	12.0	10.0	1,028	6.0	2.5	9.5	463	17.3	12.7	714	3.5
Dickinson	151	6.0	11.9	661	5.4	2.6	8.2	305	17.4	11.5	441	15.9
Eaton	270	7.8	4.8	1,342	7.5	3.4	12.5	583	16.6	15.4	871	8.7
Emmet	167	10.8	14.4	793	5.7	3.3	11.5	362	14.6	11.9	563	12.8
Genesee	2,779	11.8	5.3	10,741	8.9	2.4	10.1	4,414	15.1	12.5	7,000	19.7
Gladwin	139	10.1	5.0	698	5.2	3.6	9.6	332	15.4	10.5	499	7.6
Gogebic	68	*	*	364	6.3	3.0	12.9	159	14.5	19.5	257	6.2
Gr Travers	475	9.9	10.9	1,724	4.4	6.7	8.1	723	16.3	12.7	1,084	21.0

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, ''Recommendations to Prevent and Control Iron Deficiency in the United States'', altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2016   Pediatric Nutrition Survelliance   (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years   (2)

Run Date: 04/03/2017

Comparison of Growth and Anemia Indicators   (3)

County	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
	Number	% <2500 g	% >4000 g	Short Stature Number	%	Under-Weight %	Obese %	>= 2 Yrs Overweight and obese Number	% Overweight	% Obese	Number	%
Gratiot	209	9.6	7.2	1,046	6.8	3.1	11.0	464	14.4	14.9	757	3.2
Hillsdale	284	6.0	8.8	1,232	8.8	1.9	9.9	548	17.0	11.7	845	6.7
Houghton	170	12.4	8.8	738	8.7	2.2	8.8	324	15.7	13.0	501	4.4
Huron	175	8.6	13.1	700	7.4	2.6	13.1	297	21.2	17.2	476	11.6
Ingham	1,648	10.6	6.3	6,617	7.0	3.9	9.9	2,796	15.7	13.5	4,386	11.5
Ionia	374	9.6	9.6	1,562	4.4	5.7	10.7	690	16.5	15.8	1,062	9.0
Iosco	162	5.6	11.1	670	6.3	3.7	13.3	273	16.1	19.4	458	21.0
Iron	60	*	*	281	8.5	1.8	13.5	133	24.8	17.3	195	10.3
Isabella	337	9.8	11.0	1,387	8.1	2.5	10.7	594	17.8	17.7	914	10.4
Jackson	990	9.6	7.5	4,338	5.2	5.1	10.9	1,963	19.5	17.4	2,932	21.4
Kalamazoo	1,481	10.3	9.3	6,199	6.3	3.7	10.9	2,740	17.1	13.4	4,326	23.3
Kalkaska	86	*	*	398	5.0	2.3	8.3	180	16.1	13.3	283	16.3
Kent	3,615	10.2	7.3	16,493	7.8	2.2	10.2	7,311	15.9	12.6	11,216	14.1
Lake	57	*	*	279	5.7	2.9	14.0	138	18.8	22.5	203	18.7

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2016   Pediatric Nutrition Survelliance   (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years   (2)

Run Date: 04/03/2017

Comparison of Growth and Anemia Indicators   (3)

County	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
		Low	High	Short Stature	Under-Weight	Obese		>= 2 Yrs Overweight and obese				
	Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Lapeer	410	8.0	8.0	1,917	8.1	1.3	11.5	854	19.2	17.9	1,352	9.8
Leelanau	39	*	*	214	4.7	3.3	17.3	94	*	*	156	7.1
Lenawee	517	7.7	8.5	2,110	7.4	2.2	11.4	833	20.2	15.2	1,259	17.8
Livingston	364	7.7	8.8	1,626	6.8	1.5	9.1	726	17.5	11.7	1,122	6.9
Luce	30	*	*	177	5.6	2.3	14.7	86	*	*	138	15.9
Mackinac	42	*	*	182	4.4	1.6	10.4	77	*	*	134	6.0
Macomb	3,238	12.4	6.2	13,194	6.9	2.1	10.7	5,385	15.2	14.2	8,581	19.2
Manistee	137	11.7	4.4	483	8.1	3.7	11.4	208	18.8	15.9	315	13.7
Marquette	278	9.0	10.1	1,102	10.2	3.6	14.0	480	17.5	15.2	661	9.7
Mason	159	10.1	6.9	707	7.6	1.8	10.3	293	13.7	18.1	510	17.1
Mecosta	238	6.3	8.8	1,052	7.2	0.8	12.3	454	21.1	20.0	725	12.8
Menominee	107	6.5	3.7	420	7.1	3.6	11.7	187	21.9	17.6	256	6.6
Midland	353	9.3	10.8	1,657	8.2	1.0	12.8	715	19.7	14.7	1,086	8.7
Missaukee	66	*	*	333	6.3	2.1	7.2	168	23.2	10.1	241	11.2

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd
     percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile,
     overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

2016   Pediatric Nutrition Survelliance [1]

Run Date: 04/03/2017

Michigan

Comparison of Growth and Anemia Indicators by County

Children Aged < 5 Years   [2]

County	Birth Weight [4]			Height and Weight [5,6]							Anemia Low Hb/Hct [7]	
		Low	High		Short Stature	Under-Weight	Obese	>= 2 Yrs Overweight and obese				
	Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Monroe	631	11.3	7.6	2,691	7.7	2.5	10.7	1,162	16.2	16.4	1,843	13.5
Montcalm	334	10.5	8.1	1,466	7.7	1.4	9.7	637	19.3	13.3	1,030	1.9
Montmorenc	34	*	*	167	4.8	3.0	12.6	74	*	*	117	21.4
Muskegon	1,431	10.5	5.6	5,790	7.9	3.1	11.9	2,535	16.3	13.8	4,011	21.9
Newaygo	333	10.8	10.2	1,579	6.8	2.2	11.6	762	14.8	15.4	1,156	14.8
Oakland	3,446	12.7	5.9	14,855	8.2	2.7	9.8	6,162	14.7	12.5	10,100	19.3
Oceana	197	8.6	7.6	907	8.5	1.0	13.9	414	22.5	20.0	651	22.1
Ogemaw	149	10.1	8.7	627	7.3	1.3	10.8	290	21.0	14.5	428	18.7
Ontonagon	14	*	*	76	*	*	*	34	*	*	48	*
Osceola	110	5.5	7.3	525	6.5	2.7	9.5	247	21.1	13.0	363	12.4
Oscoda	46	*	*	234	7.3	2.6	11.5	102	17.6	18.6	173	20.2
Otsego	141	3.5	8.5	771	6.1	5.1	14.8	321	20.6	16.8	521	14.4
Ottawa	422	7.3	12.8	1,988	5.9	3.4	10.1	925	16.4	10.8	1,402	18.3
Presque Is	42	*	*	195	3.1	5.1	7.2	100	13.0	10.0	124	12.9

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd
    percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile,
    overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2016   Pediatric Nutrition Survelliance   (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years   (2)

Run Date: 04/03/2017

Comparison of Growth and Anemia Indicators   (3)

County	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
		Low	High		Short Stature	Under-Weight	Obese		>= 2 Yrs Overweight and obese			
	Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Roscommon	124	10.5	3.2	517	7.7	4.3	9.9	229	21.0	14.4	360	10.8
Saginaw	1,354	12.2	6.1	5,630	6.9	2.3	12.1	2,433	17.3	14.6	3,905	14.0
Sanilac	213	6.1	7.5	837	7.3	3.2	7.2	328	11.3	8.5	553	14.6
Schoolcraf	59	*	*	219	2.7	15.1	3.7	90	*	*	138	15.2
Shiawassee	390	10.0	9.0	1,783	5.8	4.0	10.3	819	17.8	15.9	1,251	13.0
St Clair	767	9.0	8.9	3,113	8.3	1.5	10.2	1,349	19.9	16.3	2,109	9.0
St Joseph	453	6.8	7.7	2,005	6.7	2.0	11.4	911	14.6	14.3	1,426	7.6
Tuscola	297	7.1	7.7	1,375	6.8	2.3	9.0	626	14.9	14.9	990	9.3
Van Buren	483	8.9	10.6	2,329	5.5	3.0	12.6	1,071	19.1	17.6	1,647	19.9
Washtenaw	1,109	12.1	5.8	4,823	8.0	2.0	9.9	2,105	16.7	13.7	3,388	18.8
Wayne	13,850	12.6	4.7	57,410	6.9	3.9	9.6	24,261	14.5	12.4	37,949	26.4
Wexford	281	8.9	8.5	1,228	5.1	1.5	10.2	534	16.5	12.5	882	17.0
Michigan	52,567	10.8	6.8	224,401	7.1	3.0	10.5	96,879	16.2	13.7	151,685	18.4
Nation (Prior Year)	121,132	10.2	6.9	484,714	6.8	2.9	10.3	212,609	16.0	13.8	325,158	15.1

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd
    percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile,
    overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7B
2016   Pediatric Nutrition Survelliance   (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County   (2)
Children Aged < 5 Years   (3)

Run Date: 04/03/2017

Comparison of Breastfeeding, TV Viewing, and Smoking in Household   (4)

County	Breastfeeding (5)						Exclusive Breastfeeding (6)				>=2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
Alcona	29	*	25	*	23	*	17	*	25	*	84	*	164	2.4
Alger	24	*	28	*	13	*	23	*	28	*	76	*	131	6.1
Allegan	1,214	75.8	780	26.8	958	15.2	534	23.8	691	12.0	2,613	89.7	5,381	1.9
Alpena	157	58.0	112	24.1	151	12.6	94	*	111	15.3	373	94.4	740	1.9
Antrim	113	79.6	99	*	83	*	81	*	99	*	259	81.9	505	8.5
Arenac	94	*	77	*	86	*	64	*	74	*	235	86.0	474	7.4
Baraga	39	*	39	*	47	*	34	*	38	*	130	88.5	239	3.8
Barry	262	74.4	217	21.7	196	13.8	159	20.8	210	12.4	595	92.4	1,197	1.6
Bay	574	64.8	442	18.6	465	9.9	390	14.1	423	6.4	1,252	94.4	2,519	3.5
Benzie	101	80.2	54	*	62	*	50	*	53	*	180	87.8	400	7.8
Berrien	850	68.4	623	21.2	545	15.8	530	14.7	600	10.2	1,665	84.8	3,634	4.2
Branch	313	76.4	247	24.3	274	13.9	208	17.8	241	11.2	745	78.8	1,477	3.8
Calhoun	1,001	68.9	726	19.3	753	10.9	603	14.1	659	5.6	2,205	88.4	4,451	2.6
Cass	342	77.8	275	26.5	325	19.1	246	24.8	263	15.2	962	97.2	1,786	1.1
Charlevoix	129	83.7	92	*	100	19.0	85	*	91	*	386	92.7	680	4.0
Cheboygan	105	78.1	104	16.3	107	14.0	73	*	101	9.9	230	83.5	487	6.2
Chippewa	200	65.0	206	33.5	150	17.3	157	35.7	201	20.4	511	96.9	1,028	10.5
Clare	217	56.2	171	18.7	183	12.6	151	17.9	169	10.7	506	89.7	984	6.9

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
I5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At
     Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(7) Children aged 2 years and older included in the analyses.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7B
2016   Pediatric Nutrition Survelliance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County   (2)
Children Aged < 5 Years   (3)

Run Date: 04/03/2017

Comparison of Breastfeeding, TV Viewing, and Smoking in Household   (4)

County	Breastfeeding (5)						Exclusive Breastfeeding (6)				>=2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breatsfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
Clinton	204	87.3	165	32.1	139	18.0	138	26.1	150	18.7	398	86.4	845	2.4
Crawford	71	*	66	*	79	*	57	*	62	*	148	87.8	333	3.9
Delta	210	73.8	185	20.0	219	10.0	149	17.4	180	9.4	531	88.7	1,045	3.7
Dickinson	153	74.5	125	28.8	110	17.3	111	28.8	121	10.7	346	93.6	672	1.0
Eaton	296	80.1	274	22.3	251	12.7	208	19.2	269	13.0	664	84.9	1,381	2.0
Emmet	169	84.6	156	39.7	128	28.9	123	35.0	146	24.7	415	90.1	818	3.1
Genesee	2,786	58.3	2,234	15.8	1,677	9.1	1,729	12.7	1,952	7.2	4,949	80.0	11,001	3.9
Gladwin	140	80.0	122	25.4	139	15.8	86	*	121	12.4	378	94.2	712	8.0
Gogebic	68	*	56	*	65	*	49	*	53	*	186	91.9	373	2.1
Gr Travers	474	85.9	313	30.7	334	23.4	253	29.6	304	9.5	834	90.0	1,805	1.7
Gratiot	209	81.8	183	28.4	171	18.1	143	24.5	173	11.0	536	88.4	1,073	3.3
Hillsdale	284	79.2	229	21.0	174	10.9	197	22.8	217	13.8	632	87.5	1,260	5.0
Houghton	171	87.1	139	38.8	130	18.5	100	25.0	130	17.7	374	90.1	768	1.4
Huron	175	71.4	149	26.2	123	14.6	119	11.8	146	4.8	339	89.1	716	4.2
Ingham	1,681	78.2	1,230	25.8	1,021	17.5	960	18.6	1,118	9.3	3,132	89.8	6,742	2.9
Ionia	377	77.7	337	21.4	323	16.7	279	17.6	327	9.8	776	88.0	1,606	4.9
Iosco	162	63.0	129	16.3	115	8.7	115	16.5	126	11.1	322	86.6	684	5.8
Iron	60	*	49	*	42	*	37	*	46	*	150	84.7	288	3.1

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
I5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At
    Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(7) Children aged 2 years and older included in the analyses.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

2016   Pediatric Nutrition Survelliance [1]
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County   [2]
Children Aged < 5 Years   [3]

Comparison of Breastfeeding, TV Viewing, and Smoking in Household   [4]

County	Breastfeeding [5]						Exclusive Breastfeeding [6]				>=2 Hours TV Viewing/Day [7]		Smoking in Household	
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breatsfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
Isabella	337	77.2	257	21.8	264	14.4	236	23.7	249	10.8	687	89.7	1,425	2.1
Jackson	994	72.3	942	17.1	808	10.5	671	16.8	906	4.9	2,260	76.5	4,523	4.7
Kalamazoo	1,504	68.0	1,131	19.9	945	11.0	1,009	18.0	1,093	9.5	3,167	78.0	6,467	3.1
Kalkaska	86	*	92	*	82	*	73	*	88	*	212	83.5	415	8.0
Kent	3,645	74.0	3,326	21.7	2,676	13.9	2,581	14.8	3,123	8.8	8,308	89.2	16,826	1.7
Lake	57	*	49	*	50	*	50	*	49	*	155	79.4	288	7.6
Lapeer	413	70.2	337	22.8	364	14.6	294	17.7	333	9.3	978	92.6	1,966	0.7
Leelanau	40	*	43	*	35	*	32	*	38	*	108	81.5	220	1.8
Lenawee	521	71.0	445	20.0	376	14.4	337	16.6	436	8.0	973	87.7	2,163	1.9
Livingston	366	82.0	302	25.2	278	16.5	252	23.4	294	14.3	821	94.3	1,674	1.7
Luce	30	*	23	*	40	*	18	*	23	*	101	92.1	183	3.8
Mackinac	42	*	25	*	39	*	15	*	25	*	94	*	191	5.2
Macomb	3,365	58.7	2,554	16.6	2,378	9.5	2,107	10.9	2,309	5.7	6,046	82.7	13,501	1.9
Manistee	137	77.4	70	*	84	*	51	*	69	*	226	86.3	494	3.0
Marquette	280	80.4	162	33.3	233	24.0	116	32.8	157	19.1	541	89.6	1,151	2.5
Mason	161	76.4	138	23.9	149	17.4	115	25.2	137	15.3	354	89.8	732	4.1
Mecosta	238	73.1	212	25.0	199	12.6	181	24.9	206	16.0	530	92.6	1,080	3.9
Menominee	107	61.7	63	*	77	*	61	*	63	*	203	95.1	430	4.0

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
I5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At
    Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(7) Children aged 2 years and older included in the analyses.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7B
2016   Pediatric Nutrition Survelliance   (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County   (2)
Children Aged < 5 Years   (3)

Run Date: 04/03/2017

Comparison of Breastfeeding, TV Viewing, and Smoking in Household   (4)

County	Breastfeeding (5)						Exclusive Breastfeeding (6)				>=2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breatsfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
Midland	352	74.4	342	28.9	288	17.0	311	25.7	334	17.1	799	94.2	1,631	2.7
Missaukee	66	*	60	*	56	*	45	*	58	*	195	87.2	347	7.2
Monroe	633	62.1	544	19.5	518	11.4	463	17.9	531	9.6	1,336	90.1	2,764	5.4
Montcalm	334	83.5	277	23.8	237	11.0	218	23.4	260	8.8	729	85.6	1,503	5.6
Montmorenc	34	*	25	*	39	*	23	*	24	*	82	*	169	8.9
Muskegon	1,439	66.7	950	18.0	1,071	10.4	923	15.6	897	8.0	2,849	83.1	5,970	5.3
Newaygo	335	69.6	244	24.2	275	15.6	205	27.8	230	15.2	885	92.2	1,624	3.6
Oakland	3,528	67.3	3,039	21.9	2,059	11.7	2,548	15.2	2,925	10.4	6,951	85.6	15,229	1.9
Oceana	198	80.8	189	22.8	178	10.1	163	18.4	181	8.3	485	83.9	946	2.3
Ogemaw	149	65.8	102	17.6	99	*	93	*	101	6.9	326	89.3	639	7.8
Ontonagon	14	*	13	*	22	*	10	*	13	*	35	*	77	*
Osceola	110	76.4	100	23.0	90	*	91	*	100	11.0	284	90.1	543	5.3
Oscoda	46	*	38	*	45	*	30	*	34	*	119	87.4	240	7.5
Otsego	172	71.5	131	23.7	134	11.9	117	24.8	130	16.2	363	87.6	781	4.7
Ottawa	431	80.5	297	29.0	364	18.1	236	24.2	263	17.1	1,030	92.8	2,036	2.2
Presque Is	43	*	33	*	33	*	29	*	32	*	113	94.7	197	9.6
Roscommon	124	71.8	102	20.6	99	*	70	*	102	10.8	265	84.5	529	7.4
Saginaw	1,358	60.0	1,092	11.9	921	6.9	886	8.1	1,040	3.9	2,746	85.0	5,734	3.2

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
I5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At
    Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(7) Children aged 2 years and older included in the analyses.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7B
2016   Pediatric Nutrition Survelliance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County   (2)
Children Aged < 5 Years   (3)

Comparison of Breastfeeding, TV Viewing, and Smoking in Household   (4)

County	Breastfeeding (5)						Exclusive Breastfeeding (6)				>=2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breatsfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
Sanilac	214	65.4	184	23.4	132	8.3	144	20.1	176	11.9	391	90.8	861	3.9
Schoolcraf	59	*	39	*	37	*	33	*	39	*	97	*	218	5.5
Shiawassee	390	74.4	371	23.2	333	10.8	251	14.7	336	7.1	848	93.2	1,824	2.5
St Clair	771	65.8	605	19.5	589	10.9	489	18.2	586	8.2	1,578	85.4	3,231	5.4
St Joseph	457	79.9	356	21.9	315	15.9	294	18.4	320	9.1	1,039	84.8	2,058	1.8
Tuscola	297	74.7	235	28.5	231	14.3	172	17.4	221	4.1	730	93.8	1,414	4.1
Van Buren	487	71.3	403	24.8	439	13.9	377	17.5	393	11.7	1,210	95.9	2,371	0.9
Washtenaw	1,111	81.9	984	33.6	835	18.7	776	22.6	937	14.9	2,405	91.0	4,912	1.6
Wayne	14,214	51.8	10,946	13.9	9,005	7.1	9,561	6.2	10,476	3.7	27,449	76.7	59,191	4.8
Wexford	283	78.4	187	24.6	240	16.3	129	23.3	183	8.7	628	87.3	1,277	4.9
Michigan	53,465	65.3	42,533	19.7	37,529	11.6	35,259	14.3	40,250	8.1	109,877	84.4	230,521	3.5
Nation (Prior Year)	122,498	69.0	74,576	20.5	63,037	12.0	61,267	15.4	72,320	8.6	224,048	84.2	488,654	6.1

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
I5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At
    Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(7) Children aged 2 years and older included in the analyses.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2014 - 2016   Pediatric Nutrition Survelliance   (1)
Michigan
Run Date: 04/04/2017
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years   (2)
Combined 3 Years

Comparison of Growth and Anemia Indicators (3)

County	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
		Low	High		Short Stature	Under-Weight	Obese		>= 2 Yrs Overweight and obese			
	Number	%	%	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Alcona	95	*	*	481	6.4	1.9	9.8	213	15.0	12.7	343	14.3
Alger	77	*	*	424	5.2	2.4	8.7	209	22.0	12.4	259	19.3
Allegan	3,761	8.0	8.4	17,137	4.8	2.5	11.4	7,944	17.9	15.6	11,916	27.9
Alpena	489	7.8	9.6	2,175	7.6	1.5	13.6	979	18.3	16.4	1,478	13.3
Antrim	296	4.4	8.8	1,546	6.9	4.6	10.5	699	18.3	13.6	1,068	7.0
Arenac	310	5.8	6.8	1,398	6.0	1.6	11.0	635	18.1	17.2	937	8.6
Baraga	148	4.7	11.5	748	6.3	1.6	15.6	353	21.8	20.1	508	15.7
Barry	794	8.4	7.3	3,627	5.8	3.1	9.6	1,669	18.6	13.1	2,495	8.4
Bay	1,646	9.0	10.1	7,515	7.7	1.7	11.7	3,352	17.4	16.0	5,268	7.9
Benzie	292	6.8	7.5	1,192	4.7	5.5	10.2	490	15.1	15.3	802	10.0
Berrien	2,876	9.5	7.6	11,513	5.8	4.0	9.3	4,900	16.1	13.3	7,520	12.3
Branch	959	7.8	8.0	4,466	7.9	1.9	14.0	2,059	17.6	16.0	3,002	2.7
Calhoun	3,048	9.4	7.1	13,236	7.5	2.9	13.1	5,959	18.2	15.7	9,132	20.7

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd
     percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile,
     overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2014 - 2016   Pediatric Nutrition Survelliance   (1)
Michigan
Run Date: 04/04/2017
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years   (2)
Combined 3 Years

Comparison of Growth and Anemia Indicators   (3)

County	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
		Low	High		Short Stature	Under-Weight	Obese	>= 2 Yrs Overweight and obese				
	Number	%	%	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Cass	1,148	6.9	9.1	5,504	4.7	2.3	10.9	2,568	18.0	14.6	3,853	16.0
Charlevoix	919	8.7	7.5	2,969	6.7	2.8	9.1	1,344	16.7	13.0	1,978	7.8
Cheboygan	384	9.4	7.0	1,566	6.8	2.9	10.5	652	16.7	15.2	958	12.3
Chippewa	701	5.8	11.7	3,165	6.1	2.6	12.8	1,414	17.1	14.8	2,035	16.0
Clare	625	8.2	5.6	2,745	7.1	1.9	10.6	1,257	17.6	15.5	1,932	10.7
Clinton	583	6.7	8.1	2,692	7.1	1.7	10.4	1,192	18.8	11.7	1,790	2.8
Crawford	249	9.2	8.8	994	8.7	1.5	12.5	416	23.1	15.9	675	14.1
Delta	736	9.1	11.3	3,167	5.7	2.1	9.4	1,379	17.6	12.8	2,118	2.9
Dickinson	442	7.0	10.2	2,005	7.1	1.7	8.9	904	16.4	11.7	1,348	11.0
Eaton	957	7.0	7.1	4,272	6.1	3.5	11.9	1,841	17.6	15.6	2,818	7.4
Emmet	506	8.5	10.7	2,298	6.7	3.2	11.8	1,000	16.2	14.0	1,612	10.6
Genesee	8,457	12.1	5.1	32,909	8.9	2.2	10.4	13,426	15.7	12.9	21,292	21.3
Gladwin	437	8.9	7.8	2,146	5.4	2.8	10.2	1,022	15.2	12.9	1,494	7.4

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd
    percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile,
    overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, ''Recommendations to Prevent and Control Iron Deficiency in the United States'', altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2014 - 2016   Pediatric Nutrition Survelliance (1)
Michigan

Run Date: 04/04/2017

Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years   (2)
Combined 3 Years

County	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
		Low	High		Short Stature	Under-Weight	Obese		>= 2 Yrs Overweight and obese			
	Number	%	%	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Gogebic	242	7.4	6.6	1,136	5.5	4.4	12.4	522	16.7	17.8	730	9.2
Gr Travers	1,429	9.0	9.7	5,418	4.1	5.8	9.3	2,370	16.8	13.2	3,448	18.0
Gratiot	706	10.6	9.6	3,293	6.0	2.9	10.7	1,440	15.6	14.9	2,265	3.8
Hillsdale	885	6.6	8.5	3,905	8.0	1.7	10.9	1,680	17.9	13.3	2,541	4.1
Houghton	542	8.9	8.9	2,353	7.2	2.6	7.3	1,070	16.6	10.5	1,630	7.7
Huron	486	7.8	12.1	2,184	6.4	2.4	13.8	979	18.1	18.2	1,501	8.2
Ingham	5,038	9.6	6.5	20,152	6.4	2.9	9.8	8,523	16.0	12.8	13,397	11.7
Ionia	1,150	7.5	7.7	4,953	4.6	4.5	10.3	2,178	16.7	15.6	3,380	8.8
Iosco	488	5.9	9.6	2,026	6.4	3.7	11.4	841	17.0	15.5	1,355	18.9
Iron	184	8.2	5.4	890	6.6	1.2	13.4	438	21.0	16.9	621	7.2
Isabella	1,074	8.2	10.2	4,352	7.3	3.0	10.9	1,820	18.0	17.7	2,876	9.1
Jackson	3,112	9.2	7.2	13,677	5.2	4.5	10.1	6,199	20.1	16.3	9,354	19.7
Kalamazoo	4,440	10.7	8.6	18,862	6.2	3.1	11.1	8,404	17.1	13.6	13,072	23.9

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B

2014 - 2016   Pediatric Nutrition Survelliance (1)

Michigan

Run Date: 04/04/2017

Comparison of Growth and Anemia Indicators by County

Children Aged < 5 Years (2)

Combined 3 Years

Comparison of Growth and Anemia Indicators (3)

County	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
		Low	High		Short Stature	Under-Weight	Obese		>= 2 Yrs Overweight and obese			
	Number	%	%	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Kalkaska	284	6.3	7.0	1,258	6.5	1.0	10.8	571	17.9	17.0	866	16.9
Kent	9,912	10.3	7.6	45,839	7.4	2.0	10.8	20,731	16.3	13.4	31,455	12.4
Lake	181	9.9	6.6	851	6.7	2.2	11.9	393	18.3	19.8	615	14.6
Lapeer	1,343	7.2	7.9	6,062	6.5	1.7	10.8	2,652	20.0	16.9	4,221	9.7
Leelanau	143	7.7	16.8	688	4.4	3.9	11.8	309	18.1	11.3	473	9.1
Lenawee	1,634	7.8	7.8	6,422	6.6	2.2	10.9	2,586	18.9	16.4	3,877	12.9
Livingston	1,241	7.7	8.8	5,254	6.4	1.4	8.7	2,293	17.4	12.0	3,616	6.4
Luce	126	8.7	9.5	610	4.4	2.0	10.0	300	19.3	16.0	444	10.8
Mackinac	122	9.0	4.9	575	3.8	1.9	10.3	266	12.0	15.8	420	6.0
Macomb	9,864	11.1	6.6	38,571	6.6	1.9	10.7	15,527	15.6	14.1	24,740	18.3
Manistee	344	8.1	7.3	1,422	6.5	3.3	10.9	635	17.5	17.6	961	12.4
Marquette	873	7.9	9.4	3,434	8.1	2.5	12.3	1,493	18.1	14.9	1,979	8.2
Mason	512	9.0	9.0	2,181	7.9	1.7	10.9	960	18.6	16.5	1,528	17.5

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd
     percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile,
     overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2014 - 2016   Pediatric Nutrition Survelliance   (1)
Michigan
Run Date: 04/04/2017
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years   (2)
Combined 3 Years

Comparison of Growth and Anemia Indicators   (3)

County	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
		Low	High		Short Stature	Under-Weight	Obese	>= 2 Yrs Overweight and obese				
	Number	%	%	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Mecosta	733	7.2	8.5	3,313	7.0	1.2	10.6	1,474	20.4	16.5	2,306	12.1
Menominee	311	5.5	7.4	1,328	6.6	3.1	12.8	576	20.1	17.7	823	6.0
Midland	1,145	10.2	10.2	5,225	8.1	1.1	12.2	2,319	19.1	15.6	3,339	8.4
Missaukee	229	7.4	10.0	1,081	5.1	1.9	7.8	517	22.6	11.8	752	9.6
Monroe	1,993	8.8	7.8	8,619	7.6	2.5	10.7	3,772	15.8	15.5	5,831	10.3
Montcalm	1,043	8.5	7.7	4,645	7.3	1.2	10.2	2,034	18.8	13.8	3,262	3.9
Montmorenc	122	9.0	9.8	510	4.5	2.4	11.6	226	18.6	15.5	350	18.6
Muskegon	4,379	11.6	6.4	18,349	6.8	2.8	10.9	8,251	15.9	13.3	12,518	18.6
Newaygo	1,042	7.6	10.8	4,943	6.2	1.8	12.0	2,395	16.5	15.5	3,502	15.7
Oakland	11,062	11.8	5.9	46,312	7.6	2.7	9.5	19,237	14.7	12.3	30,758	18.0
Oceana	606	9.2	6.9	2,779	8.0	1.9	15.2	1,350	21.9	21.0	2,007	17.9
Ogemaw	415	7.7	8.2	1,876	6.9	1.6	12.3	871	18.4	14.9	1,327	19.6
Ontonagon	54	*	*	255	4.3	3.1	6.3	129	17.8	7.8	170	3.5

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd
 percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile,
 overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2014 - 2016   Pediatric Nutrition Survelliance (1)
Michigan
Run Date: 04/04/2017
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years   (2)
Combined 3 Years

Comparison of Growth and Anemia Indicators (3)

County	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
		Low	High		Short Stature	Under-Weight	Obese		>= 2 Yrs Overweight and obese			
	Number	%	%	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Osceola	365	6.6	9.9	1,853	6.1	2.5	9.4	915	17.0	13.7	1,303	10.6
Oscoda	144	13.9	9.0	644	7.5	3.7	10.4	288	17.7	17.4	456	18.4
Otsego	521	5.8	9.8	2,336	5.4	5.1	12.7	1,021	20.4	16.2	1,544	10.0
Ottawa	1,281	7.3	11.3	6,162	5.5	3.0	8.9	2,824	15.9	10.3	4,321	21.1
Presque Is	129	9.3	8.5	611	3.6	3.1	8.5	302	14.6	12.9	393	16.0
Roscommon	354	9.0	6.5	1,580	6.5	3.7	8.9	726	19.1	13.2	1,112	8.5
Saginaw	4,202	11.5	6.5	17,686	6.8	2.4	12.1	7,854	17.6	14.9	12,183	13.5
Sanilac	639	7.0	7.4	2,597	6.4	1.9	8.2	1,086	18.1	13.1	1,735	11.7
Schoolcraf	153	11.1	9.2	696	1.6	11.6	3.3	323	7.1	4.0	450	16.0
Shiawassee	1,239	8.3	9.3	5,507	5.5	4.0	9.5	2,491	18.3	14.7	3,833	13.3
St Clair	2,351	8.3	8.0	9,794	6.4	1.8	9.8	4,194	18.2	16.4	6,769	8.2
St Joseph	1,463	7.9	7.2	6,335	6.5	2.1	11.2	2,795	16.2	15.1	4,377	8.5
Tuscola	969	8.0	6.5	4,332	6.9	2.3	9.8	1,984	16.4	14.7	3,041	7.2

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B

2014 - 2016   Pediatric Nutrition Survelliance (1)

Michigan

Comparison of Growth and Anemia Indicators by County

Children Aged < 5 Years   (2)

Combined 3 Years

Run Date: 04/04/2017

Comparison of Growth and Anemia Indicators   (3)

County	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
		Low	High		Short Stature	Under-Weight	Obese		>= 2 Yrs Overweight and obese			
	Number	%	%	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Van Buren	1,497	6.3	9.2	7,440	5.0	2.9	12.4	3,519	18.8	17.2	5,273	18.2
Washtenaw	3,478	11.4	6.8	15,412	6.9	2.0	10.5	6,901	16.8	14.6	10,771	17.8
Wayne	42,894	12.3	4.9	175,216	6.4	3.6	9.7	75,050	14.7	12.6	114,138	25.5
Wexford	907	7.4	8.7	3,958	5.6	1.3	8.9	1,737	18.1	13.0	2,730	14.0
Michigan	165,368	10.4	6.8	700,361	6.7	2.8	10.4	304,979	16.4	13.8	468,397	17.5

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd
     percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile,
     overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7B
2014 - 2016   Pediatric Nutrition Survelliance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County (2)
Children Aged < 5 Years (3)
Combined 3 Years

Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4)

County	Breastfeeding (5)						Exclusive Breastfeeding (6)				>=2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breatsfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
Alcona	95	*	90	*	72	*	70	*	88	*	246	88.6	498	5.0
Alger	77	*	74	*	66	*	62	*	74	*	238	87.4	434	8.8
Allegan	3,867	75.9	2,453	25.1	3,101	12.2	1,692	22.4	2,154	10.3	8,731	89.2	17,444	2.1
Alpena	492	57.9	378	22.5	416	11.1	356	21.9	370	13.8	1,106	93.9	2,221	3.2
Antrim	335	77.9	316	26.6	262	17.2	239	29.7	312	14.7	803	84.7	1,583	7.8
Arenac	311	70.7	233	18.5	261	7.7	206	19.9	226	8.4	725	88.7	1,438	8.3
Baraga	147	68.7	134	20.9	133	12.8	110	18.2	130	11.5	416	86.8	776	3.4
Barry	818	75.6	696	23.6	605	11.9	507	22.9	664	13.9	1,908	92.1	3,746	3.1
Bay	1,665	63.2	1,323	18.4	1,416	10.0	1,217	15.7	1,279	4.8	3,835	95.6	7,684	4.0
Benzie	294	81.6	209	24.4	185	20.0	165	23.6	206	9.7	560	87.5	1,223	8.2
Berrien	2,889	63.9	2,115	19.8	1,877	12.1	1,816	17.4	2,022	8.9	5,490	81.9	11,791	5.2
Branch	974	76.6	772	23.8	847	12.9	669	19.4	744	11.4	2,328	81.8	4,588	4.7
Calhoun	3,071	67.7	2,337	16.6	2,361	9.8	1,868	13.1	2,091	5.6	6,730	90.6	13,556	2.8
Cass	1,157	74.7	940	25.4	994	16.9	846	22.2	892	14.2	2,906	94.7	5,573	1.4
Charlevoix	945	76.3	493	26.6	424	14.9	401	26.9	465	10.1	1,472	89.0	3,094	3.3
Cheboygan	385	74.0	308	20.8	304	13.8	238	20.6	297	8.8	739	84.7	1,594	6.3
Chippewa	708	65.5	622	30.7	501	17.6	501	30.9	602	19.8	1,628	92.3	3,260	12.6

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
(5) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in
    the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(7) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(8) Children aged 2 years and older included in the analyses.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7B
2014 - 2016   Pediatric Nutrition Survelliance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County (2)
Children Aged < 5 Years (3)
Combined 3 Years

Run Date: 04/04/2017

Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4)

County	Breastfeeding (5)						Exclusive Breastfeeding (6)				>=2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
Clare	627	63.3	501	17.8	535	10.5	432	17.6	493	7.7	1,437	91.9	2,824	8.6
Clinton	593	85.3	528	29.2	398	16.3	421	24.5	487	14.4	1,322	88.4	2,718	3.0
Crawford	249	81.9	208	25.0	213	11.7	174	19.0	202	8.4	460	88.3	1,021	3.1
Delta	740	75.3	592	19.8	643	9.8	529	18.7	578	10.4	1,582	89.5	3,219	3.2
Dickinson	444	70.9	379	28.0	342	17.8	309	29.1	368	14.1	1,032	92.2	2,041	1.6
Eaton	1,007	79.3	917	23.6	752	12.6	694	19.3	878	10.6	2,094	86.0	4,375	3.0
Emmet	517	83.2	426	39.2	392	22.2	359	38.2	407	22.4	1,161	90.3	2,356	4.5
Genesee	8,490	57.9	6,915	14.5	5,465	8.1	5,320	11.8	6,061	6.1	14,927	79.6	33,415	4.5
Gladwin	440	78.9	367	23.2	402	17.4	270	23.0	360	12.5	1,166	95.3	2,181	9.0
Gogebic	237	66.7	186	25.3	163	16.0	163	22.7	182	12.1	592	88.3	1,161	3.2
Gr Travers	1,430	84.5	957	31.8	1,039	20.5	745	30.5	928	11.4	2,677	89.8	5,688	2.7
Gratiot	707	82.2	606	27.6	517	15.1	506	22.7	582	11.0	1,658	89.2	3,346	3.7
Hillsdale	893	77.9	730	21.0	606	11.9	625	21.8	701	12.6	1,929	85.9	3,980	5.6
Houghton	546	83.2	440	37.0	375	19.7	356	23.9	420	15.0	1,222	91.2	2,429	2.0
Huron	487	69.0	387	24.5	322	14.0	334	15.3	378	5.8	1,094	88.3	2,223	5.1
Ingham	5,096	77.0	3,731	25.7	3,278	15.8	2,817	16.9	3,424	7.8	9,588	87.3	20,436	3.6
Ionia	1,157	78.6	1,013	20.4	995	13.2	831	18.5	990	8.2	2,456	86.1	5,059	5.4

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
(5) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in
    the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(7) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(8) Children aged 2 years and older included in the analyses.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7B
2014 - 2016   Pediatric Nutrition Survelliance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County   (2)
Children Aged < 5 Years   (3)
Combined 3 Years

Run Date: 04/04/2017

Comparison of Breastfeeding, TV Viewing, and Smoking in Household   (4)

County	Breastfeeding (5)						Exclusive Breastfeeding (6)				>=2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
Iosco	489	56.9	396	17.2	348	11.5	355	15.8	390	9.7	986	87.1	2,062	5.3
Iron	184	75.5	138	27.5	144	15.3	128	28.9	135	8.9	486	87.0	912	4.8
Isabella	1,076	74.2	842	22.9	837	13.1	707	21.2	813	11.3	2,092	89.5	4,447	3.4
Jackson	3,124	70.8	2,965	16.7	2,543	9.4	2,059	15.6	2,807	5.8	7,102	80.9	14,127	5.2
Kalamazoo	4,494	65.8	3,580	20.1	2,961	11.3	3,037	17.4	3,406	8.7	9,550	78.5	19,469	3.3
Kalkaska	284	83.1	241	30.3	236	19.5	202	17.3	233	11.6	665	89.8	1,293	6.8
Kent	9,996	71.5	9,081	20.3	7,471	12.3	7,200	14.2	8,546	8.8	23,450	88.7	46,637	2.2
Lake	181	71.3	138	18.8	162	9.3	141	13.5	136	10.3	464	80.2	886	10.8
Lapeer	1,346	71.0	1,121	24.4	1,117	13.8	956	19.5	1,095	9.7	3,026	89.6	6,178	1.7
Leelanau	144	93.1	125	46.4	114	29.8	106	31.1	116	16.4	349	84.0	704	2.0
Lenawee	1,646	74.4	1,352	20.0	1,161	11.3	1,087	17.8	1,301	7.2	2,998	86.1	6,541	3.0
Livingston	1,245	79.4	989	23.9	973	14.6	808	22.9	965	12.0	2,586	93.9	5,390	1.8
Luce	126	77.8	113	24.8	126	14.3	87	*	111	7.2	342	89.5	632	4.9
Mackinac	122	76.2	76	*	113	10.6	45	*	74	*	300	79.7	592	5.6
Macomb	10,042	60.1	7,593	16.9	7,048	8.7	6,427	11.5	7,051	6.3	17,392	81.9	39,185	2.6
Manistee	344	77.6	234	25.6	261	13.4	183	23.0	229	9.2	734	91.4	1,474	4.3
Marquette	880	78.9	543	30.6	673	20.1	423	28.8	513	15.0	1,724	90.7	3,606	3.5

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
(5) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in
     the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(7) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(8) Children aged 2 years and older included in the analyses.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7B
2014 - 2016   Pediatric Nutrition Survelliance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County   (2)
Children Aged < 5 Years   (3)
Combined 3 Years

Run Date: 04/04/2017

Comparison of Breastfeeding, TV Viewing, and Smoking in Household   (4)

County	Breastfeeding (5)						Exclusive Breastfeeding (6)				>=2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
Mason	515	75.0	398	24.6	430	15.1	353	22.1	391	12.3	1,131	91.8	2,277	4.3
Mecosta	735	71.6	605	22.6	627	12.9	524	24.0	594	15.5	1,693	93.8	3,400	3.3
Menominee	312	65.1	241	21.2	269	12.6	214	20.6	238	12.6	636	94.8	1,345	4.7
Midland	1,145	76.7	1,070	26.2	843	14.6	997	24.6	1,039	13.0	2,595	91.5	5,212	3.4
Missaukee	230	85.7	199	23.6	208	14.4	163	18.4	195	6.2	585	88.0	1,112	7.2
Monroe	1,997	61.6	1,633	16.2	1,564	9.9	1,411	15.2	1,586	7.6	4,328	90.4	8,755	5.3
Montcalm	1,047	81.4	889	23.7	732	12.4	688	23.7	834	10.6	2,331	86.0	4,758	6.5
Montmorenc	122	68.0	85	*	95	*	84	*	83	*	262	89.7	519	13.1
Muskegon	4,393	63.8	2,868	16.0	3,299	9.0	2,848	13.5	2,688	6.2	9,195	85.3	18,853	5.9
Newaygo	1,047	74.8	767	23.7	889	14.7	644	22.0	725	12.8	2,708	89.3	5,056	3.5
Oakland	11,258	63.3	9,569	19.5	6,744	10.4	8,024	13.5	9,257	8.6	21,582	85.9	47,229	2.8
Oceana	607	76.4	487	22.4	496	10.7	417	15.3	466	7.5	1,550	85.9	2,897	3.1
Ogemaw	415	68.2	334	18.9	306	11.1	275	17.8	321	7.2	989	87.2	1,919	6.8
Ontonagon	54	*	32	*	47	*	32	*	32	*	137	91.2	260	4.2
Osceola	367	79.3	306	21.6	315	13.7	280	20.4	303	8.9	1,049	92.9	1,901	6.8
Oscoda	145	74.5	126	19.0	113	12.4	96	*	120	6.7	333	84.1	664	7.8
Otsego	568	70.1	412	24.0	395	12.9	356	21.1	405	14.1	1,129	89.3	2,366	5.0

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
(5) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in
     the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(7) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(8) Children aged 2 years and older included in the analyses.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7B
2014 - 2016 Pediatric Nutrition Survelliance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County (2)
Children Aged < 5 Years (3)
Combined 3 Years

Run Date: 04/04/2017

Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4)

County	Breastfeeding (5)						Exclusive Breastfeeding (6)				>=2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
Ottawa	1,332	79.8	982	30.3	1,150	19.7	826	28.3	878	17.7	3,139	92.6	6,275	2.3
Presque Is	130	50.8	99	*	103	11.7	86	*	98	*	340	94.4	621	11.4
Roscommon	354	71.5	314	22.3	298	13.1	224	17.9	310	10.0	823	88.7	1,617	6.6
Saginaw	4,218	60.9	3,226	12.0	2,812	6.4	2,717	8.2	2,994	4.2	8,751	85.8	17,987	4.4
Sanilac	641	63.3	533	18.8	403	8.2	439	17.3	516	8.9	1,233	90.7	2,648	4.9
Schoolcraf	155	57.4	124	14.5	119	8.4	112	17.0	124	10.5	353	79.9	698	9.3
Shiawassee	1,238	71.7	1,160	22.2	982	12.0	828	12.2	1,062	5.6	2,660	91.4	5,593	3.2
St Clair	2,356	61.9	2,119	16.8	1,936	8.0	1,611	15.4	2,041	6.4	4,904	89.0	10,078	6.5
St Joseph	1,474	79.2	1,164	23.0	1,035	12.8	935	18.3	1,012	7.9	3,170	84.6	6,475	2.6
Tuscola	971	74.3	759	22.1	739	12.9	612	14.2	724	4.4	2,292	93.9	4,442	4.6
Van Buren	1,528	71.1	1,277	22.5	1,316	13.4	1,150	19.0	1,230	9.2	4,006	95.9	7,590	1.4
Washtenaw	3,492	81.2	2,983	32.0	2,643	19.3	2,373	21.5	2,844	13.3	7,844	90.4	15,642	1.8
Wayne	43,802	50.1	33,169	13.3	26,826	6.8	29,656	6.4	31,996	3.7	84,483	76.6	180,146	5.6
Wexford	909	78.2	708	23.0	784	14.0	567	17.6	699	7.0	2,002	87.6	4,059	5.1
Michigan	167,717	64.1	132,708	18.9	116,885	10.8	111,000	13.9	125,808	7.5	344,070	84.4	716,469	4.2

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
(5) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.
(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in
    the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(7) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(8) Children aged 2 years and older included in the analyses.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.