

**Table 1C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Demographic Indicators** (2,3)  
**Children Aged < 5 Years**

Run Date: 03/09/2016

Total Records	Number
Individual Children	240,590
Total Records (All Visits)	396,461

Source of Data	Number	%
WIC	240,590	100.0
EPSDT	0	0.0
Child Health-MCH	0	0.0
Child Health-HMO	0	0.0
HeadStart	0	0.0
School Health	0	0.0
Other	0	0.0
Total	240,590	100.0
Excluded Unknown:	0	0.0

Race/Ethnic Distribution	Number	%
White, Not Hispanic	117795	49.0
Black, Not Hispanic	65218	27.1
Hispanic	32442	13.5
American Indian/Alaska Native	760	0.3
Asian/Pacific Islander	4458	1.9
Multiple Races	19546	8.1
All Other	50	0.0
Total	240,269	100.0
Excluded Unknown:	321	0.1

Age Distribution (4)	Number	%
0 - 5 Months	63,882	26.6
6 - 11 Months	26,663	11.1
12 - 23 Months	43,391	18.0
24 - 35 Months	39,128	16.3
3 - 4 Years	67,526	28.1
Total	240,590	100.0

% of Poverty Level	Number	%
0 - 50	100,011	41.6
51 - 100	74,022	30.8
101 - 130	28,699	12.0
131 - 150	11,987	5.0
151 - 185	15,335	6.4
186 - 200	1,901	0.8
Over 200	6,108	2.5
Adjunctive Eligibility	2,076	0.9
Total	240,139	100.0
Excluded Unknown:	451	0.2

Program Participation	Number	%
WIC	240,590	100.0
SNAP	239,225	52.6
Medicaid	236,946	78.8
Tanf	239,564	5.6
Excluded Unknown		
WIC	0	0.0
SNAP	1,365	0.6
Medicaid	3,644	1.5
Tanf	1,026	0.4

Migrant Status	Number	%
Yes	1,596	0.7
No	238,994	99.3
Total	240,590	100.0
Excluded Unknown:	0	0.0

(1) Reporting period is January 1 through December 31  
(2) Analyses based on one record per child  
(3) Excludes records with unknown data errors.  
(4) Records rejected if date of birth and date of visit unknown  
\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 2C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Health Indicators** (2)  
**Children Aged < 5 Years**

Run Date: 03/09/2016

Summary of Health Indicators (3)				
	Michigan Prevalance		National Prevalance (Prior Year)	
	Number	%	Number	%
<b>Birthweight</b>				
Low	55,089	10.5	169,581	9.9
High	55,089	6.8	169,581	7.4
<b>Height and Weight (5,6) (3)</b>				
< 5 Yrs Short Stature	233,217	6.7	723,195	6.8
< 5 Yrs Underweight	233,217	2.9	723,195	2.8
< 5 Yrs Obese	233,217	10.2	723,195	10.7
>= 2 Yrs Overweight	102,221	16.3	317,725	16.2
>=2 Yrs Obese	102,221	13.6	317,725	13.4
<b>Anemia (7)</b>				
Low Hb	151,520	17.2	460,560	14.2
Low Hct	6	*	397	8.3
Low Hb/Hct	151,524	17.2	460,638	14.2
<b>Brestfeeding (8)</b>				
Ever Brestfed	55,956	64.3	165,907	65.6
Breastfed At Least 6 Months	44,452	18.4	85,132	27.5
Breastfed At Least 12 Months	38,816	10.8	72,663	13.9
<b>Smoking in Household</b>	238,131	4.2	450,210	5.4
<b>&lt;= 2 Hours TV Viewing/ Day (9)</b>	114,298	84.5	221,017	86.2

(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) Infants born during the reporting period included in the analysis. Low birthweight is defined as < 2500 grams and high birthweight is defined as > 4000 grams.

(5) 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.

(6) 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.

(7) 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.

(8) 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.

(9) Children aged 2 years and older included in the analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 3C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Breastfeeding Indicators** (2)  
**Children Aged < 5 Years**

Run Date: 03/09/2016

	Michigan Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
<b>Breastfeeding Duration</b> (4,5)				
Ever Breastfed	55,956	64.3	165,907	65.6
Breastfed 1+ Weeks	48,979	59.6	144,939	64.4
Breastfed 2+ Weeks	41,045	54.8	111,898	63.9
Breastfed 3+ Weeks	36,969	49.2	93,820	60.9
Breastfed 4+ Weeks	35,272	44.1	84,631	57.3
Breastfed 6+ Weeks	34,532	35.9	75,987	50.5
Breastfed 2+ Months	35,898	32.1	74,181	46.4
Breastfed 3+ Months	39,325	26.4	80,416	36.9
Breastfed 4+ Months	43,346	22.1	88,812	32.8
Breastfed 5+ Months	47,691	19.6	96,623	28.5
Breastfed 6+ Months	44,452	18.4	85,132	27.5
Breastfed 9+ Months	34,620	13.7	73,475	21.5
Breastfed 12+ Months	38,816	10.8	72,663	13.9
Breastfed 18+ Months	28,906	6.1	56,229	8.0
<b>Exclusive Breastfeeding</b> (6)				
Exclusively Breastfed at Least 3 Months	37,300	13.8	62,043	13.9
Exclusively Breastfed at Least 6 Months	42,242	7.3	66,792	8.4

(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) Infants born during the reporting period included in the Ever Breastfed analysis. For each breastfeeding duration category, the analysis includes only children who turned that age during the reporting period by/on their date of visit. For example, infants who turned 9 months old during the reporting period by/on their date of visit are included in the 9+ months analysis.

(5) It is possible the analysis will show that slightly more infants are breastfed at older ages, e.g. 1+ weeks of age, than at younger ages, e.g. at birth (ever breastfed), due to variation in infants included in each breastfeeding analysis category.

(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 4C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**

Run Date: 03/09/2016

**Comparison of Racial and Ethnic Distribution by Contributor to Nation**  
**Children Aged < 5 Years** (2)

<b>Comparison of Racial and Ethnic Distribution</b>								
	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other / Unknown %
<b>Michigan</b>	240,590	49.0	27.1	13.5	0.3	1.9	8.1	0.2
<b>Nation (Prior Year)</b>	746,236	46.8	24.0	14.2	0.8	3.8	9.8	0.6

(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 5C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Comparison of Age Distribution by Contributor to Nation**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

<b>Comparison of Age Distribution</b>				
Contributor	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
<b>Michigan</b>	240,590	37.6	18.0	44.3
<b>Nation (Prior Year)</b>	746,236	36.1	19.5	44.4

(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) Records rejected if date of birth and date of visit unknown.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 6C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Comparison of Growth and Anemia Indicators by Contributor to Nation**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

<b>Comparison of Growth and Anemia Indicators by Contributor to Nation</b> (3)												
	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	%
<b>Michigan</b>	55,089	10.5	6.8	233,217	6.7	2.9	10.2	102,221	16.3	13.6	151,524	17.2
<b>Nation (Prior Year)</b>	169,581	9.9	7.4	723,195	6.8	2.8	10.7	317,725	16.2	13.4	460,638	14.2

(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) Infants born during the reporting period included in the analysis.

(5) 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.

(6) 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.

(7) 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 7C**  
**2015 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Run Date: 03/09/2016

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Contributor to Nation** <sup>(2)</sup>  
**Children Aged < 5 Years** <sup>(3)</sup>

<b>Comparison of Breastfeeding, TV Viewing, and Smoking in Household</b> <sup>(4)</sup>														
Contributor	Breastfeeding <sup>(5)</sup>				Exclusive Breastfeeding <sup>(6)</sup>				≥2 Hours TV Viewing/Day <sup>(7)</sup>		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	%		
<b>Michigan</b>	55,956	64.3	44,452	18.4	38,816	10.8	37,300	13.8	42,242	7.3	114,298	84.5	238,131	4.2
<b>Nation (Prior Year)</b>	165,907	65.6	85,132	27.5	72,663	13.9	62,043	13.9	66,792	8.4	221,017	86.2	450,210	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) 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 8C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Growth and Anemia Indicators by Race/Ethnicity or Age**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

**Growth and Anemia Indicators by Race/Ethnicity or Age** (3)

	Birthweight (4)			Height and Weight (5,6)						Anemia Low Hb/Hct (7)			
	Number	Low	High	Number	Short Stature	Under- weight	Obese	>=2 Yrs Overweight and Obese					
		% <2500 g	% >4000 g		%	%	%	Number	% Overweight			% Obese	Number
<b>Race Ethnicity</b>													
White, Not Hispanic	26,289	8.8	8.6	114,518	6.5	2.5	9.9	50,094	16.9	13.4	74,856	12.2	
Black, Not Hispanic	16,219	14.9	3.4	62,928	7.4	3.9	8.5	26,573	14.0	10.8	39,551	28.6	
Hispanic	6,913	7.9	8.0	31,361	6.4	2.1	13.7	14,853	18.3	18.7	21,272	14.3	
American Indian/Alaska Native	185	6.5	9.2	730	6.6	2.2	15.5	307	23.5	21.2	446	15.2	
Asian/Pacific Islander	949	10.4	3.4	4,330	5.8	4.4	8.6	2,013	11.0	11.6	2,917	15.5	
Multiple Races	4,403	9.0	7.2	18,998	6.5	2.5	11.4	8,303	17.2	14.7	12,361	16.6	
All Other	15	*	*	50	*	*	*	22	*	*	28	*	
<b>Total</b>	<b>55,089</b>	<b>10.5</b>	<b>6.8</b>	<b>233,217</b>	<b>6.7</b>	<b>2.9</b>	<b>10.2</b>	<b>102,221</b>	<b>16.3</b>	<b>13.6</b>	<b>151,524</b>	<b>17.2</b>	
<b>Age</b>													
0 - 11 Months	0	*	*	87,652	10.7	3.9	6.0	0	*	*	18,809	22.1	
12 - 23 Months	0	*	*	43,073	6.4	0.5	12.0	0	*	*	42,062	18.5	
24 - 35 Months	0	*	*	38,414	4.0	2.9	11.4	38,154	15.7	11.7	34,374	18.7	
36 - 47 Months	0	*	*	33,435	3.4	3.0	13.4	33,427	16.1	14.1	32,227	14.8	
48 - 59 Months	0	*	*	30,643	3.0	2.8	14.4	30,640	17.2	15.4	24,052	12.4	
<b>Total</b>	<b>0</b>	<b>*</b>	<b>*</b>	<b>233,217</b>	<b>6.7</b>	<b>2.9</b>	<b>10.2</b>	<b>102,221</b>	<b>16.3</b>	<b>13.6</b>	<b>151,524</b>	<b>17.2</b>	

(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) Infants born during the reporting period included in the analysis.

(5) 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.

(6) 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.

(7) 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 are not calculated if < 100 records are available for analysis after exclusions.



**Table 9C**  
**2015 Pediatric Nutrition Surveillance** (1)

Run Date: 03/09/2016

**Michigan**  
**Breastfeeding, TV Viewing, and Smoking in Household by Race/Ethnicity or Age** (2)  
**Children Aged < 5 Years** (3)

<b>Breastfeeding, TV Viewing, and Smoking in Household by Race/Ethnicity or Age</b> (4)									
	Breastfeeding (5)				>=2 Hours TV Viewing/Day (6)		Smoking in Household		
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastsfeed At Least 12 Months	Number	%	
Race/Ethnicity									
White, Not Hispanic	26,851	69.9	22,041	22.2	19,870	13.1	56,364	88.8	116,672 3.8
Black, Not Hispanic	16,379	51.6	12,372	11.1	9,769	5.8	29,304	75.4	64,522 5.9
Hispanic	6,995	70.4	5,364	19.1	5,014	10.5	16,670	85.8	32,129 2.0
American Indian/Alaska Native	188	67.6	127	20.5	135	11.9	348	85.9	744 7.7
Asian/Pacific Islander	960	77.2	757	38.2	690	26.8	2,261	80.8	4,396 0.7
Multiple Races	4,440	64.8	3,659	15.1	3,301	8.6	9,279	85.8	19,331 5.4
All Other	15	*	6	*	9	*	23	*	49 *
<b>Total</b>	<b>55,956</b>	<b>64.3</b>	<b>44,452</b>	<b>18.4</b>	<b>38,816</b>	<b>10.8</b>	<b>114,298</b>	<b>84.5</b>	<b>238,131 4.2</b>
Age									
0 - 11 Months	0	*	0	*	0	*	0	*	88,754 3.5
12 - 23 Months	0	*	0	*	0	*	0	*	43,245 4.2
24 - 35 Months	0	*	0	*	0	*	38,830	85.9	39,025 4.6
36 - 47 Months	0	*	0	*	0	*	35,912	83.8	36,049 4.7
48 - 59 Months	0	*	0	*	0	*	30,862	83.0	31,058 5.0
<b>Total</b>	<b>55,956</b>	<b>64.3</b>	<b>44,452</b>	<b>18.4</b>	<b>38,816</b>	<b>10.8</b>	<b>114,298</b>	<b>84.5</b>	<b>238,131 4.2</b>

(1) Reporting period is January 1 through December 31.

(2) TV Viewing and Smoking in Household are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) 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) Children aged 2 years and older included in the analysis

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 10C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Trends in Racial and Ethnic Distribution**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

<b>Summary of Trends in Racial and Ethnic Distribution</b>								
Year	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
2015	240,590	49.0	27.1	13.5	0.3	1.9	8.1	0.2
2014	250,091	49.4	26.9	13.4	0.3	1.8	8.1	0.1
2013	253,913	49.7	26.8	13.6	0.3	1.6	7.9	0.1
2012	257,024	50.4	26.2	13.7	0.3	1.6	7.8	0.1
2011	257,910	51.0	25.7	14.0	0.3	1.5	7.5	0.1
2010	259,641	51.5	25.4	14.2	0.2	1.4	7.2	0.1

(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 11C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Trends in Age Distribution**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

<b>Summary of Trends in Age Distribution</b> (3)				
Year	Number Included in Analysis	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
2015	240,590	37.6	18.0	44.3
2014	250,091	34.6	21.1	44.2
2013	253,913	31.3	23.8	44.9
2012	257,024	33.4	21.0	45.6
2011	257,910	29.7	22.0	48.3
2010	259,641	29.9	22.8	47.3

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Records rejected if date of birth and date of visit unknown.

(4) Excludes records with unknown data or errors.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 12C**  
**2015 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**  
**Summary of Trends in Growth and Anemia Indicators**  
**Children Aged < 5 Years** <sup>(2)</sup>

Run Date: 03/09/2016

<b>Summary of Trends in Growth and Anemia Indicators</b> <sup>(3)</sup>												
Year	Birthweight <sup>(4)</sup>			Height and Weight <sup>(5,6)</sup>							Anemia Low Hb/Hct <sup>(7)</sup>	
	Low	High		Short Stature	Under- Weight	Obese	>= 2 Yrs Overweight and obese					
	Number	%	%	Number	%	%	%	Number	% Overweight	% Obese	Number	%
2015	55,089	10.5	6.8	233,217	6.7	2.9	10.2	102,221	16.3	13.6	151,524	17.2
2014	57,712	9.8	6.8	242,743	6.2	2.6	10.6	105,879	16.7	14.2	165,188	17.0
2013	58,430	9.6	6.9	247,265	5.7	2.4	11.0	109,600	16.8	14.1	163,994	17.5
2012	58,707	9.7	7.1	249,036	5.8	2.9	10.7	112,234	16.4	13.8	167,258	16.1
2011	59,577	9.4	6.9	253,759	6.0	3.0	10.5	109,357	16.5	14.1	166,740	16.3
2010	59,684	9.4	6.9	254,272	5.9	3.2	10.9	109,884	16.5	14.2	146,487	15.0

(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) Infants born during the reporting period included in the analysis.

(5) 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.

(6) 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.

(7) 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 are not calculated if < 100 records are available for analysis after exclusions.

**Table 13C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Trends in Breastfeeding**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

<b>Summary of Trends in Breastfeeding</b> (3)						
Year	Breastfeeding (4)					
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastfeed At Least 12 Months
2015	55,956	64.3	44,452	18.4	38,816	10.8
2014	58,296	62.9	45,723	18.5	40,540	9.9
2013	59,096	62.3	46,002	17.7	40,663	9.2
2012	59,352	60.9	42,948	19.1	39,324	9.5
2011	60,153	59.5	46,409	18.4	41,436	8.5
2010	60,362	56.1	40,557	18.9	34,172	9.1

(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) 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.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 16C**  
**2015 Pediatric Nutrition Surveillance** (1)  
 Michigan

Run Date: 03/09/2016

**Growth Indicators by Race/Ethnicity or Age**  
 Childer Aged <5 Years (2)

<b>Growth Indicators by Race/Ethnicity and Age</b> (3)									
	Short Stature (4,5)		Underweight (4,5)		Obese (4,5)		≥ 2 Yrs Overweight and obese (4,5)		
	Number	%	Number	%	Number	%	Number	% Overweight	% Obese
White, Not Hispanic									
0 - 11 Months	43,015	9.9	43,015	3.7	43,015	5.7	0	*	*
12 - 23 Months	21,409	6.5	21,409	0.4	21,409	11.6	0	*	*
24 - 59 Months	49,859	3.7	49,859	2.4	49,859	12.9	49,859	16.9	13.4
<b>Total</b>	<b>114,283</b>	<b>6.5</b>	<b>114,283</b>	<b>2.5</b>	<b>114,283</b>	<b>9.9</b>	<b>49,859</b>	<b>16.9</b>	<b>13.4</b>
Black, Not Hispanic									
0 - 11 Months	25,328	12.5	25,328	4.8	25,328	5.6	0	*	*
12 - 23 Months	11,027	6.3	11,027	0.8	11,027	10.7	0	*	*
24 - 59 Months	26,396	3.0	26,396	4.2	26,396	10.3	26,396	13.9	10.8
<b>Total</b>	<b>62,751</b>	<b>7.4</b>	<b>62,751</b>	<b>3.9</b>	<b>62,751</b>	<b>8.5</b>	<b>26,396</b>	<b>13.9</b>	<b>10.8</b>
Hispanic									
0 - 11 Months	10,917	9.4	10,917	3.2	10,917	7.9	0	*	*
12 - 23 Months	5,591	6.6	5,591	0.4	5,591	15.3	0	*	*
24 - 59 Months	14,760	4.0	14,760	2.0	14,760	17.3	14,760	18.3	18.6
<b>Total</b>	<b>31,268</b>	<b>6.4</b>	<b>31,268</b>	<b>2.1</b>	<b>31,268</b>	<b>13.7</b>	<b>14,760</b>	<b>18.3</b>	<b>18.6</b>
American Indian/Alaska Native									
0 - 11 Months	289	11.4	289	3.8	289	9.0	0	*	*
12 - 23 Months	134	6.0	134	0.7	134	20.1	0	*	*
24 - 59 Months	307	2.3	307	1.3	307	19.5	307	23.5	21.2
<b>Total</b>	<b>730</b>	<b>6.6</b>	<b>730</b>	<b>2.2</b>	<b>730</b>	<b>15.5</b>	<b>307</b>	<b>23.5</b>	<b>21.2</b>

(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) 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.

(5) 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.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 16C**  
**2015 Pediatric Nutrition Surveillance** (1)  
 Michigan

Run Date: 03/09/2016

**Growth Indicators by Race/Ethnicity or Age**

Childer Aged <5 Years (2)

Growth Indicators by Race/Ethnicity and Age (3)									
	Short Stature (4,5)		Underweight (4,5)		Obese (4,5)		>= 2 Yrs Overweight and obese (4,5)		
	Number	%	Number	%	Number	%	Number	% Overweight	% Obese
Asian/Pacific Islander									
0 - 11 Months	1,544	9.0	1,544	3.4	1,544	5.8	0	*	*
12 - 23 Months	773	5.3	773	0.9	773	8.7	0	*	*
24 - 59 Months	2,001	3.4	2,001	6.5	2,001	10.5	2,022	10.9	11.3
<b>Total</b>	<b>4,318</b>	<b>5.8</b>	<b>4,318</b>	<b>4.4</b>	<b>4,318</b>	<b>8.5</b>	<b>2,001</b>	<b>11.0</b>	<b>11.4</b>
Multiple Races									
0 - 11 Months	7,091	11.3	7,091	3.3	7,091	6.8	0	*	*
12 - 23 Months	3,604	6.1	3,604	0.4	3,604	14.3	0	*	*
24 - 59 Months	8,262	2.6	8,262	2.7	8,262	14.0	8,262	0.2	14.7
<b>Total</b>	<b>18,957</b>	<b>6.5</b>	<b>18,957</b>	<b>2.5</b>	<b>18,957</b>	<b>11.4</b>	<b>8,262</b>	<b>0.2</b>	<b>14.7</b>
All Other/Unknown									
0 - 11 Months	21	*	21	*	21	*	0	*	*
12 - 23 Months	7	*	7	*	7	*	0	*	*
24 - 59 Months	21	*	21	*	21	*	21	*	*
<b>Total</b>	<b>49</b>	<b>*</b>	<b>49</b>	<b>*</b>	<b>49</b>	<b>*</b>	<b>21</b>	<b>*</b>	<b>*</b>
Total All Race/Ethnic Groups									
0 - 11 Months	88,403	10.7	88,403	3.9	88,403	6.1	0	*	*
12 - 23 Months	42,593	6.4	42,593	0.5	42,593	12.1	0	*	*
24 - 59 Months	101,662	3.5	101,662	2.9	101,662	12.9	101,662	16.3	13.6
<b>Total</b>	<b>232,658</b>	<b>6.7</b>	<b>232,658</b>	<b>2.9</b>	<b>232,658</b>	<b>10.2</b>	<b>101,662</b>	<b>16.3</b>	<b>13.6</b>

(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) 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.

(5) 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.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 17C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Anemia Indicators by Race/Ethnicity and Age** (2)  
**Children Aged < 5 Years**

Run Date: 03/09/2016

Anemia Indicators by Race/Ethnicity and Age (3,4)					
	Anemia Low Hb/Hct %			Anemia Low Hb/Hct %	
	Number			Number	
White, Not Hispanic			Asian/Pacific Islander		
6 - 11 Months	9,272	17.7	6 - 11 Months	355	22.8
12 - 17 Months	13,027	15.6	12 - 17 Months	454	16.1
18 - 23 Months	8,112	11.0	18 - 23 Months	310	13.2
24 - 35 Months	17,023	12.7	24 - 35 Months	680	17.2
36 - 59 Months	27,351	8.9	36 - 59 Months	1,117	12.5
<b>Total</b>	<b>74,785</b>	<b>12.2</b>	<b>Total</b>	<b>2,916</b>	<b>15.5</b>
Black, Not Hispanic			Multiple Races		
6 - 11 Months	5,118	30.8	6 - 11 Months	1,530	22.1
12 - 17 Months	6,343	31.4	12 - 17 Months	2,138	18.6
18 - 23 Months	4,515	28.0	18 - 23 Months	1,429	14.8
24 - 35 Months	8,863	31.9	24 - 35 Months	2,777	18.7
36 - 59 Months	14,667	24.9	36 - 59 Months	4,479	13.0
<b>Total</b>	<b>39,506</b>	<b>28.6</b>	<b>Total</b>	<b>12,353</b>	<b>16.6</b>
Hispanic			All Other/Unknown		
6 - 11 Months	2,319	21.1	0 - 11 Months	8	*
12 - 17 Months	3,423	17.5	12 - 17 Months	17	*
18 - 23 Months	2,131	11.7	18 - 23 Months	31	*
24 - 35 Months	4,888	16.1	24 - 35 Months	30	*
36 - 59 Months	8,491	10.7	36 - 59 Months	35	*
<b>Total</b>	<b>21,252</b>	<b>14.3</b>	<b>Total</b>	<b>121</b>	<b>18.2</b>
American Indian/Alaska Native			Total All Race/Ethnic Groups		
6 - 11 Months	62	*	6 - 11 Months	18,664	22.2
12 - 17 Months	80	*	12 - 17 Months	25,482	20.0
18 - 23 Months	52	*	18 - 23 Months	16,580	16.1
24 - 35 Months	113	9.7	24 - 35 Months	34,374	18.7
			36 - 59 Months	56,279	13.8

(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) 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 are not calculated if < 100 records are available for analysis after exclusions



**Table 17C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Anemia Indicators by Race/Ethnicity and Age** (2)  
**Children Aged < 5 Years**

Run Date: 03/09/2016

Anemia Indicators by Race/Ethnicity and Age (3,4)				
36 - 59 Months	139	14.4	<b>Total</b>	<b>151,379      17.2</b>
<b>Total</b>	<b>446</b>	<b>15.2</b>		

(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) 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 are not calculated if < 100 records are available for analysis after exclusions

**Table 18C**  
**2015 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Run Date: 03/09/2016

**Summary Trends in Growth and Anemia Indicators by Race/Ethnicity**  
**Children Aged < 5 Years** <sup>(2)</sup>

<b>Summary Trends in Growth and Anemia Indicators by Race/Ethnicity</b> <sup>(3)</sup>													
Race/Ethnicity and Year		Birthweight <sup>(4)</sup>			Height and Weight <sup>(5,6)</sup>						Anemia Low Hb/Hct <sup>(7)</sup>		
		Low		High	Short Stature	Under- weight	Obese	>=2 Yrs Overweight and Obese					
		Number	%	%				Number	%	%			Number
White, Not Hispanic	2015	26,289	8.8	8.6	114,518	6.5	2.5	9.9	50,094	16.9	13.4	74,856	12.2
	2014	28,392	8.1	8.3	120,187	6.0	2.2	10.3	51,961	17.0	13.9	82,055	12.3
	2013	28,825	8.2	8.6	123,080	5.7	2.1	10.7	54,015	17.3	13.6	81,532	12.8
	2012	29,775	8.2	8.8	125,896	5.6	2.6	10.2	56,207	16.8	13.2	83,741	11.8
	2011	30,433	7.8	8.4	129,736	5.8	2.7	10.0	55,921	16.9	13.5	84,935	11.9
	2010	30,392	7.7	8.5	131,192	5.7	2.9	10.2	56,688	16.8	13.2	73,483	11.0
Black, Not Hispanic	2015	16,219	14.9	3.4	62,928	7.4	3.9	8.5	26,573	14.0	10.8	39,551	28.6
	2014	16,488	13.9	3.7	65,123	6.5	3.6	9.0	27,462	14.7	11.3	43,134	27.6
	2013	17,015	13.1	3.7	66,248	6.0	3.2	9.5	28,266	14.7	11.6	42,571	28.3
	2012	16,431	13.6	3.7	65,053	6.4	4.0	9.2	28,218	14.2	11.2	42,695	26.0
	2011	16,626	13.6	4.0	64,892	6.8	4.1	9.2	26,359	13.9	11.3	41,205	26.4
	2010	16,599	13.6	3.8	64,332	6.9	4.3	9.9	26,065	13.9	11.8	37,174	24.1

(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) Infants born during the reporting period included in the analysis.

(5) 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.

(6) 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.

(7) 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 are not calculated if < 100 records are available for analysis after exclusions.

**Table 18C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**

Run Date: 03/09/2016

**Summary Trends in Growth and Anemia Indicators by Race/Ethnicity**  
**Children Aged < 5 Years** (2)

Summary Trends in Growth and Anemia Indicators by Race/Ethnicity (3)													
Race/Ethnicity and Year		Birthweight (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	%		
Hispanic	2015	6,913	7.9	8.0	31,361	6.4	2.1	13.7	14,853	18.3	18.7	21,272	14.3
	2014	6,940	7.4	8.0	32,364	6.1	1.7	14.6	15,335	19.2	19.7	22,995	14.8
	2013	6,946	7.3	8.0	33,472	5.6	1.6	14.8	16,229	19.2	19.5	23,553	15.0
	2012	7,156	7.2	8.0	34,008	5.6	1.9	14.5	16,744	18.5	19.7	24,418	14.5
	2011	7,286	7.3	7.5	35,522	5.4	2.0	14.6	16,759	19.2	20.0	24,954	14.7
	2010	7,399	7.2	7.3	36,104	5.2	2.3	14.6	17,424	19.0	20.0	22,724	13.3
American Indian/Alaska Native	2015	185	6.5	9.2	730	6.6	2.2	15.5	307	23.5	21.2	446	15.2
	2014	179	11.2	10.1	744	4.8	2.0	16.8	318	22.6	24.5	466	18.7
	2013	157	5.1	12.7	673	5.2	2.2	18.3	292	21.9	22.9	420	17.4
	2012	159	6.3	15.7	701	5.0	2.4	15.0	300	22.0	17.3	424	14.6
	2011	153	5.2	13.1	695	4.2	1.6	16.1	317	21.8	22.1	420	16.0
	2010	160	5.6	11.9	608	6.6	2.5	17.6	246	20.3	20.7	307	11.4

(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) Infants born during the reporting period included in the analysis.

(5) 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.

(6) 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.

(7) 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 are not calculated if < 100 records are available for analysis after exclusions.

**Table 18C**  
**2015 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Run Date: 03/09/2016

**Summary Trends in Growth and Anemia Indicators by Race/Ethnicity**  
**Children Aged < 5 Years** <sup>(2)</sup>

<b>Summary Trends in Growth and Anemia Indicators by Race/Ethnicity</b> <sup>(3)</sup>													
Race/Ethnicity and Year		Birthweight <sup>(4)</sup>			Height and Weight <sup>(5,6)</sup>						Anemia Low Hb/Hct <sup>(7)</sup>		
		Low		High	Short Stature	Under- weight	Obese	>=2 Yrs Overweight and Obese					
		Number	%	%				Number	%	%			Number
Asian/Pacific Islander	2015	949	10.4	3.4	4,330	5.8	4.4	8.6	2,013	11.0	11.6	2,917	15.5
	2014	977	10.2	5.2	4,430	5.9	4.2	8.8	2,032	12.8	12.8	3,138	15.1
	2013	957	9.4	3.9	4,052	6.0	3.6	8.7	1,831	13.0	12.4	2,782	15.6
	2012	918	11.5	3.8	3,887	6.8	4.7	8.3	1,797	13.6	11.7	2,674	15.3
	2011	840	9.4	2.7	3,713	7.1	4.1	9.0	1,582	13.1	12.8	2,506	16.0
	2010	874	9.4	5.3	3,676	7.2	4.8	8.7	1,563	13.3	12.0	2,194	15.5
Multiple Races	2015	4,403	9.0	7.2	18,998	6.5	2.5	11.4	8,303	17.2	14.7	12,361	16.6
	2014	4,665	9.5	7.4	19,632	5.9	2.2	11.6	8,688	18.0	14.9	13,287	16.1
	2013	4,427	9.2	7.6	19,489	5.1	2.1	12.2	8,910	17.4	15.4	13,055	16.4
	2012	4,208	9.7	7.2	19,357	5.2	2.4	12.0	8,945	17.2	15.2	13,276	15.0
	2011	4,180	9.0	7.1	19,065	5.2	2.8	11.7	8,399	17.1	15.4	12,689	15.7
	2010	4,205	8.7	7.2	18,225	5.3	3.0	12.7	7,877	17.0	16.0	10,575	14.4

(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) Infants born during the reporting period included in the analysis.

(5) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age  $\leq$  2.3rd percentile, underweight is defined as weight-for-length  $\leq$  2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as  $\geq$  97.7th percentile.

(6) 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  $\geq$  85th to  $<$  95th percentile, and obesity is defined as  $\geq$  95th percentile.

(7) 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 are not calculated if  $<$  100 records are available for analysis after exclusions.

**Table 18C**  
**2015 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Run Date: 03/09/2016

**Summary Trends in Growth and Anemia Indicators by Race/Ethnicity**  
**Children Aged < 5 Years** <sup>(2)</sup>

<b>Summary Trends in Growth and Anemia Indicators by Race/Ethnicity</b> <sup>(3)</sup>													
Race/Ethnicity and Year		Birthweight <sup>(4)</sup>			Height and Weight <sup>(5,6)</sup>							Anemia Low Hb/Hct <sup>(7)</sup>	
		Low		High	Short Stature	Under- weight	Obese	>=2 Yrs Overweight and Obese					
		Number	%	%				Number	%	%	Number		
All Other/Unknown	2015	131	11.5	7.6	352	7.4	1.1	11.4	78	*	*	121	18.2
	2014	71	*	*	263	8.0	0.8	12.5	83	*	*	113	12.4
	2013	103	9.7	9.7	251	5.6	1.6	9.2	57	*	*	81	*
	2012	60	*	*	134	6.7	1.5	12.7	23	*	*	30	*
	2011	59	*	*	136	8.1	1.5	12.5	20	*	*	31	*
	2010	55	*	*	135	5.2	1.5	11.1	21	*	*	30	*
Total All Race/Ethnic Groups	2015	55,089	10.5	6.8	233,217	6.7	2.9	10.2	102,221	16.3	13.6	151,524	17.2
	2014	57,712	9.8	6.8	242,743	6.2	2.6	10.6	105,879	16.7	14.2	165,188	17.0
	2013	58,430	9.6	6.9	247,265	5.7	2.4	11.0	109,600	16.8	14.1	163,994	17.5
	2012	58,707	9.7	7.1	249,036	5.8	2.9	10.7	112,234	16.4	13.8	167,258	16.1
	2011	59,577	9.4	6.9	253,759	6.0	3.0	10.5	109,357	16.5	14.1	166,740	16.3
	2010	59,684	9.4	6.9	254,272	5.9	3.2	10.9	109,884	16.5	14.2	146,487	15.0

(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) Infants born during the reporting period included in the analysis.

(5) 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.

(6) 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.

(7) 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 are not calculated if < 100 records are available for analysis after exclusions.

**Table 19C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**

Run Date: 03/09/2016

**Summary Trends in Breastfeeding Indicators by Race/Ethnicity**  
**Children Aged < 5 Years** (2)

<b>Summary of Trends in Breastfeeding Indicators by Race/Ethnicity</b> (3)							
Race/Ethnicity and Year		Breastfeeding (4)					
		Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastsfeed At Least 12 Months
White, Not Hispanic	2015	26,851	69.9	22,041	22.2	19,870	13.1
	2014	28,706	69.0	22,859	22.2	20,845	12.2
	2013	29,213	68.5	23,527	21.1	21,049	11.1
	2012	30,158	67.0	22,566	21.9	20,742	11.2
	2011	30,747	65.7	23,717	21.0	21,506	9.8
	2010	30,758	61.6	20,890	21.6	17,682	10.6
Black, Not Hispanic	2015	16,379	51.6	12,372	11.1	9,769	5.8
	2014	16,597	49.7	12,612	11.6	10,365	4.8
	2013	17,129	49.2	12,439	11.0	10,252	4.8
	2012	16,564	47.5	11,008	12.6	9,539	4.9
	2011	16,740	46.3	12,627	11.9	10,329	4.6
	2010	16,721	43.0	10,948	12.0	8,844	5.3

(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.

(4) 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.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 19C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary Trends in Breastfeeding Indicators by Race/Ethnicity**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity (3)							
Race/Ethnicity and Year		Breastfeeding (4)					
		Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastsfeed At Least 12 Months
Hispanic	2015	6,995	70.4	5,364	19.1	5,014	10.5
	2014	7,027	68.2	5,525	18.6	5,173	10.0
	2013	7,043	67.2	5,607	17.6	5,422	9.4
	2012	7,233	64.5	5,201	20.6	5,235	10.8
	2011	7,366	62.7	5,747	22.3	5,668	10.1
	2010	7,527	62.6	5,097	22.8	4,611	10.9
American Indian/Alaska Native	2015	188	67.6	127	20.5	135	11.9
	2014	182	60.4	156	19.2	129	10.9
	2013	165	58.8	123	23.6	112	12.5
	2012	162	67.3	136	16.2	106	11.3
	2011	167	57.5	127	18.9	107	10.3
	2010	163	57.7	101	22.8	93	*

(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) 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.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 19C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary Trends in Breastfeeding Indicators by Race/Ethnicity**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity (3)							
Race/Ethnicity and Year		Breastfeeding (4)					
		Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastsfeed At Least 12 Months
Asian/Pacific Islander	2015	960	77.2	757	38.2	690	26.8
	2014	1,002	72.0	770	35.3	699	25.2
	2013	972	72.2	738	35.5	682	24.6
	2012	928	71.9	619	37.0	595	22.7
	2011	868	69.4	674	35.3	643	22.4
	2010	891	62.7	592	32.9	507	20.3
Multiple Races	2015	4,440	64.8	3,659	15.1	3,301	8.6
	2014	4,698	62.1	3,707	15.9	3,303	8.3
	2013	4,452	61.9	3,453	14.4	3,130	7.5
	2012	4,239	60.6	3,351	15.8	3,096	7.7
	2011	4,198	58.7	3,456	14.9	3,176	6.5
	2010	4,233	55.2	2,874	15.5	2,424	6.6

(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) 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.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.



**Table 19C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary Trends in Breastfeeding Indicators by Race/Ethnicity**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity (3)							
Race/Ethnicity and Year		Breastfeeding (4)					
		Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastfeed At Least 12 Months
All Other/Unknown	2015	143	68.5	132	25.0	37	*
	2014	84	*	94	*	26	*
	2013	122	72.1	115	23.5	16	*
	2012	68	*	67	*	11	*
	2011	67	*	61	*	7	*
	2010	69	*	55	*	11	*
Total All Race/Ethnic Groups	2015	55,956	64.3	44,452	18.4	38,816	10.8
	2014	58,296	62.9	45,723	18.5	40,540	9.9
	2013	59,096	62.3	46,002	17.7	40,663	9.2
	2012	59,352	60.9	42,948	19.1	39,324	9.5
	2011	60,153	59.5	46,409	18.4	41,436	8.5
	2010	60,362	56.1	40,557	18.9	34,172	9.1

(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) 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.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 20C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary Trends in Growth Indicators by Age**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

Summary of Trends in Growth Indicators by Age (3)																	
Age and Year		Height and Weight (4,5)							Age and Year		Height and Weight (4,5)						
		Short Stature		Under-weight	Obese	>=2 Yrs Overweight and Obese					Short Stature		Under-weight	Obese	>=2 Yrs Overweight and Obese		
		Number	%	%	%	Number	% Overweight	% Obese			Number	%	%	%	Number	% Overweight	% Obese
0 - 11 Months	2015	87,652	10.7	3.9	6.0	0	*	*	24 - 35 Months	2015	38,414	4.0	2.9	11.4	38,154	15.7	11.7
	2014	84,129	9.7	3.7	6.2	0	*	*		2014	37,835	3.7	2.8	11.7	37,624	15.8	12.1
	2013	77,596	8.8	3.4	6.8	0	*	*		2013	40,435	3.6	2.6	11.6	40,426	16.2	12.0
	2012	83,373	9.2	4.2	6.5	0	*	*		2012	41,102	3.6	3.2	11.1	41,079	15.5	11.5
	2011	74,332	9.7	5.2	5.9	0	*	*		2011	42,092	4.1	2.1	12.1	27,560	15.8	12.1
	2010	74,954	9.6	5.9	6.2	0	*	*		2010	44,469	3.8	2.2	12.4	31,367	15.8	12.3
	2009	0	*	*	*	0	*	*		2009	0	*	*	*	0	*	*
12 - 23 Months	2015	43,073	6.4	0.5	12.0	0	*	*	36 - 47 Months	2015	33,435	3	3.0	13.4	33,427	16.1	14.1
	2014	52,523	6.3	0.4	12.1	0	*	*		2014	32,993	3	2.8	13.6	32,992	16.8	14.4
	2013	60,058	6.0	0.5	12.1	0	*	*		2013	34,696	3	2.8	13.8	34,694	16.8	14.6
	2012	53,397	5.8	0.3	12.1	0	*	*		2012	35,311	3	3.2	13.7	35,304	16.3	14.5
	2011	56,493	6.4	0.7	10.8	0	*	*		2011	39,177	3	3.1	13.0	39,175	16.2	13.8
	2010	58,919	6.3	0.7	11.7	0	*	*		2010	38,045	3	3.2	13.4	38,035	16.3	14.2
	2009	0	*	*	*	0	*	*		2009	0	*	*	*	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) 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.

(5) 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.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions

**Table 20C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary Trends in Growth Indicators by Age**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

Summary of Trends in Growth Indicators by Age (3)																			
Age and Year		Height and Weight (4,5)							Age and Year		Height and Weight (4,5)								
		Short Stature		Under-weight	Obese	>=2 Yrs Overweight and Obese					Short Stature		Under-weight	Obese	>=2 Yrs Overweight and Obese				
		Number	%	%	%	Number	% Overweight	% Obese			Number	%	%	%	Number	% Overweight	% Obese		
48 - 59 Months	2015	30,643	3.0	2.8	14.4	30,640	17.2	15.4											
	2014	35,263	2.9	2.5	15.0	35,263	17.6	16.1											
	2013	34,480	3.1	2.5	15.0	34,480	17.6	16.0											
	2012	35,851	2.9	2.9	14.7	35,849	17.5	15.8											
	2011	41,665	3.2	2.9	14.7	41,665	17.3	15.9											
	2010	37,883	3.0	3.0	14.9	37,879	17.3	15.9											
	2009	0	*	*	*	0	*	*											
Total All Age Groups	2015	233,217	6.7	2.9	10.2	102,221	16.3	13.6											
	2014	242,743	6.2	2.6	10.6	105,879	16.7	14.2											
	2013	247,265	5.7	2.4	11.0	109,600	16.8	14.1											
	2012	249,034	5.8	2.9	10.7	112,232	16.4	13.8											
	2011	253,759	6.0	3.0	10.5	109,357	16.5	14.1											
	2010	254,270	5.9	3.2	10.9	109,882	16.5	14.2											
	2009	0	*	*	*	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) 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.

(5) 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.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions

**Table 21C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Trends in Anemia by Age**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

Summary of Trends in Anemia by Age (3)							
Age and Year		Anemia Low Hb/Hct (4)		Age and Year		Anemia Low Hb/Hct (4)	
		Number	%			Number	%
6 - 11 Months	2015	18,664	22.2	18 - 23 Months	2015	16,580	16.1
	2014	15,716	21.4		2014	22,283	17.0
	2013	10,210	22.7		2013	21,872	18.5
	2012	13,615	20.5		2012	22,483	17.8
	2011	6,601	20.0		2011	21,440	18.9
	2010	6,281	18.8		2010	23,202	16.6
12 - 17 Months	2015	25,482	20.0	24 - 35 Months	2015	34,374	18.7
	2014	29,076	20.2		2014	34,413	17.7
	2013	36,210	21.4		2013	36,061	17.8
	2012	29,477	19.9		2012	36,971	16.7
	2011	32,612	19.4		2011	37,188	17.8
	2010	30,537	18.6		2010	32,623	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) 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 are not calculated if < 100 records are available for analysis after exclusions

**Table 21C**  
**2015 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Trends in Anemia by Age**  
**Children Aged < 5 Years** (2)

Run Date: 03/09/2016

<b>Summary of Trends in Anemia by Age</b> (3)							
Age and Year		Anemia Low Hb/Hct (4)		Age and Year		Anemia Low Hb/Hct (4)	
		Number	%			Number	%
36 - 59 Months	2015	56,279	13.8	Total All Age Groups	2015	151,524	17.2
	2014	60,833	13.7		2014	165,188	17.0
	2013	59,208	13.6		2013	163,994	17.5
	2012	61,837	12.1		2012	167,256	16.1
	2011	68,766	12.7		2011	166,740	16.3
	2010	53,842	11.1		2010	146,485	15.0
All Other/Unknown	2015	0	*				
	2014	0	*				
	2013	0	*				
	2012	2	*				
	2011	0	*				
	2010	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) 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 are not calculated if < 100 records are available for analysis after exclusions