

Table 1C
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Demographic Indicators (2,3)
Children Aged < 5 Years

Run Date: 03/23/2017

Total Records	Number
Individual Children	231,594
Total Records (All Visits)	378,881

Source of Data	Number	%
WIC	231,594	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	231,594	100.0
Excluded Unknown:	0	0.0

Race/Ethnic Distribution	Number	%
White, Not Hispanic	112245	48.5
Black, Not Hispanic	62925	27.2
Hispanic	31442	13.6
American Indian/Alaska Native	702	0.3
Asian/Pacific Islander	4529	2.0
Multiple Races	19306	8.3
All Other	61	0.0
Total	231,210	100.0
Excluded Unknown:	384	0.2

Age Distribution (4)	Number	%
0 - 5 Months	61,784	26.7
6 - 11 Months	23,127	10.0
12 - 23 Months	45,498	19.6
24 - 35 Months	39,263	17.0
3 - 4 Years	61,922	26.7
Total	231,594	100.0

% of Poverty Level	Number	%
0 - 50	92,354	40.0
51 - 100	70,964	30.7
101 - 130	29,245	12.7
131 - 150	12,086	5.2
151 - 185	15,712	6.8
186 - 200	2,208	1.0
Over 200	6,565	2.8
Adjunctive Eligibility	2,024	0.9
Total	231,158	100.0
Excluded Unknown:	436	0.2

Program Participation	Number	%
WIC	231,594	100.0
SNAP	230,378	50.0
Medicaid	228,097	81.0
Tanf	230,659	4.3
Excluded Unknown		
WIC	0	0.0
SNAP	1,216	0.5
Medicaid	3,497	1.5
Tanf	935	0.4

Migrant Status	Number	%
Yes	1,568	0.7
No	230,026	99.3
Total	231,594	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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Health Indicators (2)
Children Aged < 5 Years

Run Date: 03/23/2017

Summary of Health Indicators (3)				
	Michigan Prevalance		National Prevalance (Prior Year)	
	Number	%	Number	%
Birthweight				
Low	52,567	10.8	121,132	10.2
High	52,567	6.8	121,132	6.9
Height and Weight (5,6) (3)				
< 5 Yrs Short Stature	224,401	7.1	484,714	6.8
< 5 Yrs Underweight	224,401	3.0	484,714	2.9
< 5 Yrs Obese	224,401	10.5	484,714	10.3
>= 2 Yrs Overweight	96,879	16.2	212,609	16.0
>=2 Yrs Obese	96,879	13.7	212,609	13.8
Anemia (7)				
Low Hb	151,663	18.4	325,122	15.1
Low Hct	31	*	65	12.3
Low Hb/Hct	151,685	18.4	325,158	15.1
Brestfeeding (8)				
Ever Brestfed	53,465	65.3	122,498	69.0
Breastfed At Least 6 Months	42,533	19.7	74,576	20.5
Breastfed At Least 12 Months	37,529	11.6	63,037	12.0
Smoking in Household	230,521	3.5	488,654	6.1
<= 2 Hours TV Viewing/ Day (9)	109,877	84.4	224,048	84.2

(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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Breastfeeding Indicators (2)
Children Aged < 5 Years

Run Date: 03/23/2017

	Michigan Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Breastfeeding Duration (4,5)				
Ever Breastfed	53,465	65.3	122,498	69.0
Breastfed 1+ Weeks	46,942	60.0	103,990	63.7
Breastfed 2+ Weeks	39,449	55.3	83,400	60.3
Breastfed 3+ Weeks	35,408	49.7	72,936	55.3
Breastfed 4+ Weeks	33,686	44.6	67,906	50.4
Breastfed 6+ Weeks	32,786	36.7	61,619	41.8
Breastfed 2+ Months	33,883	32.8	59,387	36.4
Breastfed 3+ Months	37,179	27.2	63,332	30.1
Breastfed 4+ Months	40,983	23.6	69,605	25.1
Breastfed 5+ Months	45,126	21.0	76,718	21.9
Breastfed 6+ Months	42,533	19.7	74,576	20.5
Breastfed 9+ Months	32,932	14.5	61,581	15.5
Breastfed 12+ Months	37,529	11.6	63,037	12.0
Breastfed 18+ Months	27,655	6.9	44,570	7.0
Exclusive Breastfeeding (6)				
Exclusively Breastfed at Least 3 Months	35,259	14.3	61,267	15.4
Exclusively Breastfed at Least 6 Months	40,250	8.1	72,320	8.6

(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. 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
2016 Pediatric Nutrition Surveillance (1)
Michigan

Run Date: 03/23/2017

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

Comparison of Racial and Ethnic Distribution								
	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other / Unknown %
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 5C
2016 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Comparison of Age Distribution by Contributor to Nation
Children Aged < 5 Years ⁽²⁾

Run Date: 03/23/2017

Comparison of Age Distribution				
Contributor	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
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.

(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
2016 Pediatric Nutrition Surveillance (1)
Michigan

Run Date: 03/23/2017

Comparison of Growth and Anemia Indicators by Contributor to Nation
Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators by Contributor to Nation (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	%	
	Number	% <2500 g	% >4000 g				Number	% Overweight	% Obese			
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) 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
2016 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan

Run Date: 03/23/2017

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

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

(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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Growth and Anemia Indicators by Race/Ethnicity or Age
Children Aged < 5 Years (2)

Run Date: 03/23/2017

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
Race Ethnicity												
White, Not Hispanic	24,718	9.0	8.8	109,073	7.0	2.7	10.4	47,450	16.9	13.5	74,252	13.5
Black, Not Hispanic	15,331	15.1	3.5	60,788	7.8	4.2	8.8	25,261	14.0	11.0	39,973	29.5
Hispanic	6,692	8.5	7.5	30,351	6.7	2.1	13.8	13,799	18.3	18.8	21,211	15.6
American Indian/Alaska Native	151	10.6	7.3	668	6.6	3.6	17.5	294	20.7	22.8	439	18.0
Asian/Pacific Islander	949	11.3	3.8	4,371	6.1	4.5	8.4	2,011	10.9	11.6	3,148	16.6
Multiple Races	4,544	9.9	6.8	18,728	6.9	2.7	11.7	7,973	16.5	15.2	12,513	17.7
All Other	18	*	*	56	*	*	*	23	*	*	34	*
Total	52,567	10.8	6.8	224,401	7.1	3.0	10.5	96,879	16.2	13.7	151,685	18.4
Age												
0 - 11 Months	0	*	*	82,241	11.6	4.2	6.2	0	*	*	22,026	23.9
12 - 23 Months	0	*	*	45,190	6.6	0.5	12.7	0	*	*	44,176	20.1
24 - 35 Months	0	*	*	38,450	3.9	3.1	11.9	38,371	15.8	12.3	34,656	18.4
36 - 47 Months	0	*	*	29,280	3.7	3.3	13.7	29,272	16.2	14.4	28,028	15.0
48 - 59 Months	0	*	*	29,240	3.1	3.2	14.0	29,236	16.7	14.9	22,799	14.2
Total	0	*	*	224,401	7.1	3.0	10.5	96,879	16.2	13.7	151,685	18.4

(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 9C
2016 Pediatric Nutrition Surveillance (1)

Run Date: 03/23/2017

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

Breastfeeding, TV Viewing, and Smoking in Household by Race/Ethnicity or Age (4)									
	Breastfeeding (5)				>=2 Hours TV Viewing/Day (6)		Smoking in Household		
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breatsfeed At Least 12 Months	Number	%	
Race/Ethnicity									
White, Not Hispanic	25,269	70.4	20,561	23.1	18,792	14.2	54,085	88.4	111,790 3.2
Black, Not Hispanic	15,514	53.5	11,753	12.4	9,661	6.0	28,240	75.8	62,631 5.0
Hispanic	6,768	72.4	5,500	21.4	5,006	12.0	15,804	85.9	31,278 1.7
American Indian/Alaska Native	151	68.9	136	23.5	125	13.6	344	89.2	702 5.4
Asian/Pacific Islander	976	73.8	802	36.7	724	24.6	2,303	81.3	4,486 0.7
Multiple Races	4,588	65.4	3,636	18.3	3,180	9.6	9,004	85.4	19,215 4.2
All Other	18	*	13	*	8	*	28	*	61 *
Total	53,465	65.3	42,533	19.7	37,529	11.6	109,877	84.4	230,521 3.5
Age									
0 - 11 Months	0	*	0	*	0	*	0	*	84,484 3.0
12 - 23 Months	0	*	0	*	0	*	0	*	45,361 3.6
24 - 35 Months	0	*	0	*	0	*	38,893	86.0	39,160 3.9
36 - 47 Months	0	*	0	*	0	*	31,677	83.1	31,866 3.7
48 - 59 Months	0	*	0	*	0	*	29,386	82.6	29,650 4.3
Total	53,465	65.3	42,533	19.7	37,529	11.6	109,877	84.4	230,521 3.5

(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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Racial and Ethnic Distribution
Children Aged < 5 Years (2)

Run Date: 03/23/2017

Summary of Trends in Racial and Ethnic Distribution								
Year	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
2016	231,594	48.5	27.2	13.6	0.3	2.0	8.3	0.2
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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Age Distribution
Children Aged < 5 Years (2)

Run Date: 03/23/2017

Summary of Trends in Age Distribution (3)				
Year	Number Included in Analysis	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
2016	231,594	36.7	19.6	43.7
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
2016 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Summary of Trends in Growth and Anemia Indicators
Children Aged < 5 Years ⁽²⁾

Run Date: 03/23/2017

Summary of Trends in Growth and Anemia Indicators ⁽³⁾												
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	%	%	%	Number	% Overweight	% Obese	Number	%
2016	52,567	10.8	6.8	224,401	7.1	3.0	10.5	96,879	16.2	13.7	151,685	18.4
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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Breastfeeding
Children Aged < 5 Years (2)

Run Date: 03/23/2017

Summary of Trends in Breastfeeding (3)						
Year	Breastfeeding (4)					
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastfeed At Least 12 Months
2016	53,465	65.3	42,533	19.7	37,529	11.6
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
2016 Pediatric Nutrition Surveillance (1)
 Michigan

Run Date: 03/23/2017

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
White, Not Hispanic									
0 - 11 Months	39,269	11.1	39,269	4.0	39,269	5.9	0	*	*
12 - 23 Months	22,354	6.5	22,354	0.4	22,354	12.7	0	*	*
24 - 59 Months	47,187	3.8	47,187	2.6	47,187	12.9	47,187	16.9	13.5
Total	108,810	7.0	108,810	2.7	108,810	10.4	47,187	16.9	13.5
Black, Not Hispanic									
0 - 11 Months	23,697	13.5	23,697	5.2	23,697	5.7	0	*	*
12 - 23 Months	11,830	6.6	11,830	0.7	11,830	11.2	0	*	*
24 - 59 Months	25,035	3.1	25,035	4.8	25,035	10.5	25,035	14.0	11.0
Total	60,562	7.9	60,562	4.2	60,562	8.7	25,035	14.0	11.0
Hispanic									
0 - 11 Months	10,478	9.8	10,478	3.4	10,478	7.9	0	*	*
12 - 23 Months	6,074	7.3	6,074	0.2	6,074	15.5	0	*	*
24 - 59 Months	13,703	4.1	13,703	1.9	13,703	17.4	13,703	18.3	18.8
Total	30,255	6.7	30,255	2.1	30,255	13.7	13,703	18.3	18.8
American Indian/Alaska Native									
0 - 11 Months	241	11.2	241	6.6	241	10.4	0	*	*
12 - 23 Months	133	6.0	133	0.0	133	25.6	0	*	*
24 - 59 Months	294	3.1	294	2.7	294	19.7	294	20.7	22.8
Total	668	6.6	668	3.6	668	17.5	294	20.7	22.8

(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 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
2016 Pediatric Nutrition Surveillance ⁽¹⁾
 Michigan

Run Date: 03/23/2017

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	1,502	8.9	1,502	3.4	1,502	5.3	0	*	*
12 - 23 Months	858	6.1	858	1.2	858	8.3	0	*	*
24 - 59 Months	2,000	4.1	2,000	6.8	2,000	10.7	2,019	10.8	11.3
Total	4,360	6.1	4,360	4.5	4,360	8.3	2,000	11.0	11.5
Multiple Races									
0 - 11 Months	6,957	11.9	6,957	3.9	6,957	7.1	0	*	*
12 - 23 Months	3,798	5.9	3,798	0.2	3,798	14.1	0	*	*
24 - 59 Months	7,935	2.9	7,935	2.7	7,935	14.6	7,935	0.2	15.2
Total	18,690	6.9	18,690	2.7	18,690	11.7	7,935	0.2	15.2
All Other/Unknown									
0 - 11 Months	23	*	23	*	23	*	0	*	*
12 - 23 Months	10	*	10	*	10	*	0	*	*
24 - 59 Months	22	*	22	*	22	*	22	*	*
Total	55	*	55	*	55	*	22	*	*
Total All Race/Ethnic Groups									
0 - 11 Months	82,403	11.6	82,403	4.3	82,403	6.2	0	*	*
12 - 23 Months	45,119	6.6	45,119	0.4	45,119	12.7	0	*	*
24 - 59 Months	96,244	3.6	96,244	3.2	96,244	13.0	96,244	16.2	13.7
Total	223,766	7.1	223,766	3.0	223,766	10.5	96,244	16.2	13.7

(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) 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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Anemia Indicators by Race/Ethnicity and Age (2)
Children Aged < 5 Years

Run Date: 03/23/2017

Anemia Indicators by Race/Ethnicity and Age (3,4)					
	Number	Anemia Low Hb/Hct %		Number	Anemia Low Hb/Hct %
White, Not Hispanic			Asian/Pacific Islander		
6 - 11 Months	7,820	19.5	6 - 11 Months	347	19.6
12 - 17 Months	11,710	16.6	12 - 17 Months	455	19.8
18 - 23 Months	10,175	13.7	18 - 23 Months	386	16.8
24 - 35 Months	17,035	12.7	24 - 35 Months	719	15.9
36 - 59 Months	24,709	9.8	36 - 59 Months	1,114	14.4
Total	71,449	13.2	Total	3,021	16.5
Black, Not Hispanic			Multiple Races		
6 - 11 Months	4,392	32.9	6 - 11 Months	1,368	21.6
12 - 17 Months	5,974	32.0	12 - 17 Months	1,943	20.6
18 - 23 Months	5,597	29.7	18 - 23 Months	1,771	18.6
24 - 35 Months	9,038	30.9	24 - 35 Months	2,864	17.8
36 - 59 Months	13,230	25.4	36 - 59 Months	4,127	14.2
Total	38,231	29.2	Total	12,073	17.6
Hispanic			All Other/Unknown		
6 - 11 Months	2,189	19.9	0 - 11 Months	6	*
12 - 17 Months	3,032	19.7	12 - 17 Months	15	*
18 - 23 Months	2,936	15.4	18 - 23 Months	55	*
24 - 35 Months	4,859	16.0	24 - 35 Months	32	*
36 - 59 Months	7,478	11.9	36 - 59 Months	41	*
Total	20,494	15.4	Total	148	16.2
American Indian/Alaska Native			Total All Race/Ethnic Groups		
6 - 11 Months	59	*	6 - 11 Months	16,180	23.4
12 - 17 Months	71	*	12 - 17 Months	23,200	21.4
18 - 23 Months	56	*	18 - 23 Months	20,976	18.7
24 - 35 Months	109	24.8	24 - 35 Months	34,656	18.4
			36 - 59 Months	50,827	14.6

(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) 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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Anemia Indicators by Race/Ethnicity and Age (2)
Children Aged < 5 Years

Run Date: 03/23/2017

Anemia Indicators by Race/Ethnicity and Age (3,4)				
36 - 59 Months	128	14.1	Total	145,839 18.2
Total	423	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) 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
2016 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan

Run Date: 03/23/2017

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	%	%			Number
White, Not Hispanic	2016	24,718	9.0	8.8	109,073	7.0	2.7	10.4	47,450	16.9	13.5	74,252	13.5
	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	2016	15,331	15.1	3.5	60,788	7.8	4.2	8.8	25,261	14.0	11.0	39,973	29.5
	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
2016 Pediatric Nutrition Surveillance (1)
Michigan

Run Date: 03/23/2017

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	2016	6,692	8.5	7.5	30,351	6.7	2.1	13.8	13,799	18.3	18.8	21,211	15.6
	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	2016	151	10.6	7.3	668	6.6	3.6	17.5	294	20.7	22.8	439	18.0
	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 \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
2016 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan

Run Date: 03/23/2017

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	%	%	%	Number	%	%		
Asian/Pacific Islander	2016	949	11.3	3.8	4,371	6.1	4.5	8.4	2,011	10.9	11.6	3,148	16.6
	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	2016	4,544	9.9	6.8	18,728	6.9	2.7	11.7	7,973	16.5	15.2	12,513	17.7
	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 <= 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
2016 Pediatric Nutrition Surveillance (1)
Michigan

Run Date: 03/23/2017

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	%	%	%	Number	%	%		
All Other/Unknown	2016	182	7.1	7.7	422	7.8	1.7	10.4	91	*	*	149	16.1
	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	2016	52,567	10.8	6.8	224,401	7.1	3.0	10.5	96,879	16.2	13.7	151,685	18.4
	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
2016 Pediatric Nutrition Surveillance (1)
Michigan

Run Date: 03/23/2017

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

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
White, Not Hispanic	2016	25,269	70.4	20,561	23.1	18,792	14.2
	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	2016	15,514	53.5	11,753	12.4	9,661	6.0
	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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years (2)

Run Date: 03/23/2017

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	2016	6,768	72.4	5,500	21.4	5,006	12.0
	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	2016	151	68.9	136	23.5	125	13.6
	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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years (2)

Run Date: 03/23/2017

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
Asian/Pacific Islander	2016	976	73.8	802	36.7	724	24.6
	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	2016	4,588	65.4	3,636	18.3	3,180	9.6
	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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years (2)

Run Date: 03/23/2017

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
All Other/Unknown	2016	199	61.3	145	20.0	41	*
	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	2016	53,465	65.3	42,533	19.7	37,529	11.6
	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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary Trends in Growth Indicators by Age
Children Aged < 5 Years (2)

Run Date: 03/23/2017

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	2016	82,241	11.6	4.2	6.2	0	*	*	24 - 35 Months	2016	38,450	3.9	3.1	11.9	38,371	15.8	12.3
	2015	87,652	10.7	3.9	6.0	0	*	*		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	2016	45,190	6.6	0.5	12.7	0	*	*	36 - 47 Months	2016	29,280	4	3.3	13.7	29,272	16.2	14.4
	2015	43,073	6.4	0.5	12.0	0	*	*		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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary Trends in Growth Indicators by Age
Children Aged < 5 Years (2)

Run Date: 03/23/2017

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	2016	29,240	3.1	3.2	14.0	29,236	16.7	14.9												
	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	2016	224,401	7.1	3.0	10.5	96,879	16.2	13.7												
	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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Anemia by Age
Children Aged < 5 Years (2)

Run Date: 03/23/2017

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	2016	16,180	23.4	18 - 23 Months	2016	20,976	18.7
	2015	18,664	22.2		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	2016	23,200	21.4	24 - 35 Months	2016	34,656	18.4
	2015	25,482	20.0		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
2016 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Anemia by Age
Children Aged < 5 Years (2)

Run Date: 03/23/2017

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	%
36 - 59 Months	2016	50,827	14.6	Total All Age Groups	2016	151,685	18.4
	2015	56,279	13.8		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	2016	0		*		
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