

WIC PNSS & PedNSS

Table 1C

2019 Pediatric Nutrition Surveillance (1)

Michigan

Summary of Demographic Indicators

Children Aged < 5 Years (2,3)

Total Records	Number
Individual Children	185,133
Total Records (All Visits)	249,395

Source of Data	Number	%
WIC	185,133	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	185,133	100.0
<i>Excluded Unknown</i>	<i>0</i>	<i>0.0 %</i>

Race/Ethnic Distribution	Number	%
White, Not Hispanic	87,267	47.1
Black, Not Hispanic	51,391	27.8
Hispanic	24,786	13.4
American Indian/Alaska Native	532	0.3
Asian/Pacific Islander	3,832	2.1
Multiple Races	17,110	9.2
All Other	56	0.0
Total	184,974	100.0
<i>Excluded Unknown</i>	<i>159</i>	<i>0.1 %</i>

Age Distribution (4)	Number	%
0 - 5 Months	38,833	21.0
6 - 11 Months	18,789	10.1
12 - 23 Months	42,337	22.9
24 - 35 Months	31,996	17.3
3 - 4 Years	53,178	28.7
Total	185,133	100.0

% of Poverty Level	Number	%
0 - 50	72,625	39.7
51 - 100	55,013	30.0
101 - 130	24,131	13.2
131 - 150	11,059	6.0
151 - 185	12,585	6.9
186 - 200	1,867	1.0
Over 200	5,831	3.2
Adjunctive Eligibility	1	0.0
Total	183,112	100.0
<i>Excluded Unknown</i>	<i>2,021</i>	<i>1.1 %</i>

Program Participation	Number	%
WIC	185,133	100.0
SNAP	181,980	42.2
Medicaid	180,292	83.5
Tanf	182,195	3.1
Excluded Unknown		
WIC	0	0.0
SNAP	3,153	1.7
Medicaid	4,841	2.6
Tanf	2,938	1.6

Migrant Status	Number	%
Yes	1,403	0.8
No	183,730	99.2
Total	185,133	100.0
<i>Excluded Unknown</i>	<i>0</i>	<i>0.0 %</i>

(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

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Table 2C 2019 Pediatric Nutrition Surveillance (1) Michigan Summary of Health Indicators Children Aged < 5 Years (2)

Summary of Health Indicators (3)				
	Michigan Prevalence		National (10) Prevalence (Prior Year)	
	Number	%	Number	%
Birthweight				
Low	35,288	11.3	114,599	10.7
High	35,288	6.3	114,599	6.0
Height and Weight (5,6) (3)				
< 5 Yrs Short Stature	179,537	7.3	481,746	7.9
< 5 Yrs Underweight	179,537	2.9	481,746	3.3
< 5 Yrs Obese	179,537	11.0	481,746	9.9
>= 2 Yrs Overweight	80,418	16.2	201,596	15.8
>=2 Yrs Obese	80,418	13.7	201,596	12.6
Anemia (7)				
Low Hb	108,241	18.7	338,469	15.0
Low Hct	27	*	70	37.1
Low Hb/Hct	108,262	18.7	338,531	15.0
Breastfeeding (8)				
Ever Breastfed	35,683	66.4	114,502	73.8
Breastfed At Least 6 Months	25,137	33.5	71,325	37.5
Breastfed At Least 12 Months	22,710	13.0	69,618	28.7
Smoking in Household	183,759	2.8	472,956	3.3
<= 2 Hours TV Viewing/ Day (9)	85,888	81.9	212,777	81.2

(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.

(10) National includes previous year's data for all participating States and ITOs.

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

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Table 3C 2019 Pediatric Nutrition Surveillance (1) Michigan Summary of Breastfeeding Indicators Children Aged < 5 Years (2)

Summary of Breastfeeding Indicators (3)				
	Michigan Prevalence		National (7) Prevalence (Prior Year)	
	Number	%	Number	%
Breastfeeding Duration (4,5)				
Ever Breastfed	35,683	66.4	114,502	73.8
Breastfed 1+ Weeks	28,686	61.4	88,877	67.5
Breastfed 2+ Weeks	23,055	58.5	72,577	64.5
Breastfed 3+ Weeks	19,918	54.3	63,359	60.9
Breastfed 4+ Weeks	18,347	50.9	58,473	57.8
Breastfed 6+ Weeks	17,473	46.0	54,768	52.1
Breastfed 2+ Months	18,110	43.9	54,937	47.9
Breastfed 3+ Months	20,621	41.7	59,328	44.0
Breastfed 4+ Months	23,660	39.3	65,006	41.4
Breastfed 5+ Months	27,162	36.8	72,322	39.1
Breastfed 6+ Months	25,137	33.5	71,325	37.5
Breastfed 9+ Months	18,788	17.4	64,563	32.9
Breastfed 12+ Months	22,710	13.0	69,618	28.7
Breastfed 18+ Months	16,292	9.2	48,107	21.6
Exclusive Breastfeeding (6)				
Exclusively Breastfed at Least 3 Months	15,891	17.2	47,911	18.3
Exclusively Breastfed at Least 6 Months	20,623	9.5	56,702	8.1

(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. 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.

(7) National includes previous year's data for all participating States and ITOs.

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

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Table 4C

2019 Pediatric Nutrition Surveillance (1)

Michigan

Comparison of Racial and Ethnic Distribution by Contributor to National (4)

Children Aged < 5 Years (2)

Comparison of Racial and Ethnic Distribution								
Contributor	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Michigan	185,133	47.1	27.8	13.4	0.3	2.1	9.2	0.1
National (Prior Year)	496,985	46.3	19.4	23.1	1.4	2.6	7.1	0.1

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

(2) Analyses based on one record per child.

(3) Excludes records with errors.

(4) National includes previous year's data for all participating States and ITOs.

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

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Table 5C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Age Distribution by Contributor to National ⁽⁵⁾

Children Aged < 5 Years ⁽²⁾

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Comparison of Age Distribution				
Contributor	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Michigan	185,133	31.1	22.9	46.0
National (Prior Year)	496,985	32.5	21.7	45.8

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

(5) National includes previous year's data for all participating States and ITOs.

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

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Table 6C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Growth and Anemia Indicators by Contributor to National ⁽⁸⁾

Children Aged < 5 Years ⁽²⁾

Comparison of Growth and Anemia Indicators ⁽³⁾												
Contributor	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	%
Michigan	35,288	11.3	6.3	179,537	7.3	2.9	11.0	80,418	16.2	13.7	108,262	18.7
National (Prior Year)	114,599	10.7	6.0	481,746	7.9	3.3	9.9	201,596	15.8	12.6	338,531	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.

(8) National includes previous year's data for all participating States and ITOs.

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

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Table 7C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Contributor to National ^(2,8)

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 Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months	Number	% Breastfed At Least 3 Months	Number	% Breastfed At Least 6 Months	Number	%		
Michigan	35,683	66.4	25,137	33.5	22,710	13.0	15,891	17.2	20,623	9.5	85,888	81.9	183,759	2.8
National (Prior Year)	114,502	73.8	71,325	37.5	69,618	28.7	47,911	18.3	56,702	8.1	212,777	81.2	472,956	3.3

(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.

(8) National includes previous year's data for all participating States and ITOs.

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

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Table 8C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Growth and Anemia Indicators by Race/Ethnicity or Age

Children Aged < 5 Years ⁽²⁾

Growth and Anemia Indicators by Race/Ethnicity or Age ⁽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	%
Race/Ethnicity												
White, Not Hispanic	15,840	9.4	8.0	84,810	7.1	2.5	11.1	38,566	17.0	13.8	51,492	14.1
Black, Not Hispanic	11,053	15.2	3.5	49,690	7.7	4.0	9.2	21,058	14.0	10.8	29,405	28.4
Hispanic	4,485	8.5	6.9	23,947	7.2	2.1	13.9	11,110	17.8	17.9	14,527	16.3
American Indian/Alaska Native	108	10.2	9.3	513	5.5	3.3	15.8	206	21.4	21.4	297	16.2
Asian/Pacific Islander	639	10.5	3.4	3,723	5.7	5.1	10.7	1,764	11.3	14.9	2,347	15.6
Multiple Races	3,116	11.4	7.2	16,648	7.0	2.9	11.9	7,646	17.2	14.0	10,102	17.6
All Other	11	9.1	0.0	53	5.7	1.9	9.4	29	13.8	17.2	32	25.0
Total	35,288	11.3	6.3	179,537	7.3	2.9	11.0	80,418	16.2	13.7	108,262	18.7
Age												
0 - 11 Months	-	*	*	55,718	11.8	4.0	6.7	-	*	*	5,333	21.8
12 - 23 Months	-	*	*	42,129	7.6	0.9	11.5	-	*	*	40,082	21.0
24 - 35 Months	-	*	*	30,906	4.9	2.9	12.7	27,406	15.7	12.5	24,273	19.7
36 - 47 Months	-	*	*	25,947	3.7	3.5	14.0	25,938	16.3	14.0	20,750	16.7
48 - 59 Months	-	*	*	24,837	3.0	3.5	14.8	24,833	16.8	14.8	17,824	13.4
Total	-	*	*	179,537	7.3	2.9	11.0	80,418	16.2	13.7	108,262	18.7

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) 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.

WIC PNSS & PedNSS

Table 9C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

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 ⁽⁷⁾		Smoking in Household	
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months	Number	%	Number	%
Race/Ethnicity										
White, Not Hispanic	15,997	71.5	11,759	37.9	11,045	15.7	41,455	87.2	86,740	2.6
Black, Not Hispanic	11,226	56.7	7,262	26.1	6,051	7.8	22,118	70.1	50,967	3.8
Hispanic	4,520	70.8	3,268	35.6	2,961	12.8	12,015	83.9	24,584	1.5
American Indian/Alaska Native	111	63.1	74	36.5	67	9.0	221	85.5	521	7.1
Asian/Pacific Islander	640	76.6	478	41.0	456	20.6	1,875	79.6	3,777	0.4
Multiple Races	3,137	66.8	2,253	29.6	2,117	11.6	8,135	84.1	16,975	3.3
All Other/Unknown	11	72.7	5	80.0	4	50.0	32	75.0	56	0.0
Total	35,683	66.4	25,137	33.5	22,710	13.0	85,888	81.9	183,759	2.8
Age										
0 - 11 Months	-	*	-	*	-	*	-	*	56,965	2.2
12 - 23 Months	-	*	-	*	-	*	-	*	42,196	2.9
24 - 35 Months	-	*	-	*	-	*	31,442	83.7	31,865	2.9
36 - 47 Months	-	*	-	*	-	*	27,318	80.8	27,622	3.3
48 - 59 Months	-	*	-	*	-	*	24,816	80.3	25,110	3.3
Total	35,683	66.4	25,137	33.5	22,710	13.0	85,888	81.9	183,758	2.8

(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.

WIC PNSS & PedNSS

Table 10C

2019 Pediatric Nutrition Surveillance (1)

Michigan

Summary of Trends in Racial and Ethnic Distribution

Children Aged < 5 Years (2)

Summary of Trends in Racial and Ethnic Distribution								
Year	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
2019	185,133	47.1	27.8	13.4	0.3	2.1	9.2	0.1
2018	212,233	47.0	27.6	13.6	0.3	2.0	9.2	0.2
2017	222,478	47.6	27.8	13.5	0.3	2.0	8.6	0.2
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	49.6	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

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

(2) Analyses based on one record per child.

(3) Excludes records with errors.

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Table 11C

2019 Pediatric Nutrition Surveillance (1)

Michigan

Summary of Trends in Age Distribution

Children Aged < 5 Years (2)

Summary of Trends in Age Distribution (3)				
Year	Number Included in Analysis (4)	0 - 11 Months	12 - 23 Months	24 - 59 Months
		%	%	%
2019	185,133	31.1	22.9	46.0
2018	212,233	30.3	21.6	48.1
2017	222,478	33.8	20.7	45.5
2016	231,594	29.8	22.1	48.1
2015	240,590	29.7	22.3	48.0
2014	250,091	29.6	22.0	48.4
2013	253,913	29.3	22.5	48.3
2012	257,024	29.3	22.0	48.7
2011	257,910	29.5	21.9	48.7

(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.

WIC PNSS & PedNSS

Table 12C

2019 Pediatric Nutrition Surveillance (1)

Michigan

Summary of Trends in Growth and Anemia Indicators

Children Aged < 5 Years (2)

Summary of Trends in Growth and Anemia Indicators (3)

Year	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	%
2019	35,288	11.3	6.3	179,537	7.3	2.9	11.0	80,418	16.2	13.7	108,262	18.7
2018	48,804	11.0	6.6	205,990	7.6	3.2	10.7	85,908	16.3	13.5	136,909	23.4
2017	51,039	11.2	6.5	216,349	7.1	2.9	10.7	94,830	16.2	13.1	144,328	21.5
2016	52,567	10.8	6.8	225,134	7.3	3.1	10.4	93,377	16.1	13.1	151,630	21.2
2015	55,089	10.5	6.8	234,036	6.8	3.0	10.1	97,204	16.3	12.9	157,509	19.6
2014	57,712	9.8	6.8	243,452	6.5	2.9	10.2	101,840	16.8	13.3	165,162	19.1
2013	58,430	9.6	6.9	247,235	6.4	3.0	10.3	103,993	16.8	13.2	163,964	19.2
2012	58,707	9.7	7.1	249,969	6.2	3.1	10.4	105,902	16.4	13.2	167,212	17.9
2011	59,582	9.4	6.9	251,251	6.1	3.1	10.4	106,051	16.5	13.2	166,650	16.4

(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.

WIC PNSS & PedNSS

Table 13C 2019 Pediatric Nutrition Surveillance (1) Michigan Summary of Trends in Breastfeeding Children Aged < 5 Years (2)

Summary of Trends in Breastfeeding (3)						
Year	Breastfeeding (4)					
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
2019	35,683	66.4	25,137	33.5	22,710	13.0
2018	49,377	66.8	38,049	31.4	32,543	12.7
2017	51,802	65.8	40,029	29.0	34,283	12.5
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	62.2	46,092	17.6	41,082	9.1
2012	59,352	60.7	46,180	17.7	42,029	8.9
2011	60,153	59.5	46,409	18.4	41,436	8.5

(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) 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.

WIC PNSS & PedNSS

Table 16C 2019 Pediatric Nutrition Surveillance ⁽¹⁾ Michigan Growth Indicators by Race/Ethnicity and Age Children 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	29,032	10.9	29,032	3.4	29,032	6.6	0	*	*
12 - 23 Months	17,212	7.4	17,212	0.6	17,212	12.5	0	*	*
24 - 59 Months	38,357	4.1	38,357	2.7	38,357	13.8	38,357	17.0	13.8
Total	84,601	7.1	84,601	2.5	84,601	11.1	38,357	17.0	13.8
Black, Not Hispanic									
0 - 11 Months	19,141	12.7	19,141	4.5	19,141	6.6	0	*	*
12 - 23 Months	9,491	7.6	9,491	0.9	9,491	11.0	0	*	*
24 - 59 Months	20,870	3.3	20,870	4.9	20,870	10.8	20,870	14.0	10.8
Total	49,502	7.8	49,502	4.0	49,502	9.2	20,870	14.0	10.8
Hispanic									
0 - 11 Months	8,047	10.7	8,047	3.0	8,047	8.2	0	*	*
12 - 23 Months	4,790	7.7	4,790	0.4	4,790	14.1	0	*	*
24 - 59 Months	11,031	4.4	11,031	2.1	11,031	17.9	11,031	17.8	17.9
Total	23,868	7.2	23,868	2.0	23,868	13.9	11,031	17.8	17.9
American Indian/Alaska Native									
0 - 11 Months	203	10.3	203	5.4	203	8.9	0	*	*
12 - 23 Months	104	2.9	104	0.0	104	18.3	0	*	*
24 - 59 Months	205	2.0	205	2.9	205	21.5	205	21.5	21.5
Total	512	5.5	512	3.3	512	15.8	205	21.5	21.5

(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 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.

WIC PNSS & PedNSS

Table 16C 2019 Pediatric Nutrition Surveillance ⁽¹⁾ Michigan Growth Indicators by Race/Ethnicity and Age Children 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	1,218	8.2	1,218	3.9	1,218	6.0	0	*	*
12 - 23 Months	741	6.2	741	1.5	741	8.8	0	*	*
24 - 59 Months	1,754	3.8	1,754	7.5	1,754	14.8	1,774	11.2	14.7
Total	3,713	5.7	3,713	5.1	3,713	10.7	1,754	11.3	14.8
Multiple Races									
0 - 11 Months	5,686	12.5	5,686	3.6	5,686	7.6	0	*	*
12 - 23 Months	3,316	6.4	3,316	0.6	3,316	14.3	0	*	*
24 - 59 Months	7,612	3.1	7,612	3.3	7,612	14.0	7,612	17.1	15.1
Total	16,614	7.0	16,614	2.9	16,614	11.9	7,612	17.1	14.0
All Other/Unknown									
0 - 11 Months	17	5.9	17	0.0	17	0.0	0	*	*
12 - 23 Months	7	0.0	7	0.0	7	0.0	0	*	*
24 - 59 Months	29	6.9	29	3.4	29	17.2	29	13.8	17.2
Total	53	5.7	53	1.9	53	9.4	29	13.8	17.2
Total All Race/Ethnic Groups									
0 - 11 Months	63,429	11.5	63,429	3.7	63,429	6.9	0	*	*
12 - 23 Months	35,690	7.4	35,690	0.6	35,690	12.4	0	*	*
24 - 59 Months	79,896	3.8	79,896	3.4	79,896	13.7	79,896	16.2	13.7
Total	179,015	7.3	179,015	2.9	179,015	11.0	79,896	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.

WIC PNSS & PedNSS

Table 17C
2019 Pediatric Nutrition Surveillance (1)
Michigan
Anemia Indicators by Race/Ethnicity and Age
Children Aged < 5 Years (2)

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	2,304	19.3	6 - 11 Months	113	20.4
12 - 17 Months	10,960	17.8	12 - 17 Months	457	19.3
18 - 23 Months	8,199	15.3	18 - 23 Months	378	16.7
24 - 35 Months	11,517	14.6	24 - 35 Months	541	16.6
36 - 59 Months	18,338	10.5	36 - 59 Months	846	11.8
Total	51,318	14.1	Total	2,335	15.6
Black, Not Hispanic			Multiple Races		
6 - 11 Months	1,475	28.3	6 - 11 Months	424	20.8
12 - 17 Months	6,194	29.8	12 - 17 Months	2,071	20.8
18 - 23 Months	4,699	30.6	18 - 23 Months	1,639	19.2
24 - 35 Months	6,479	31.6	24 - 35 Months	2,387	17.5
36 - 59 Months	10,427	24.7	36 - 59 Months	3,550	14.8
Total	29,274	28.4	Total	10,071	17.6
Hispanic			All Other/Unknown		
6 - 11 Months	590	20.5	6 - 11 Months	3	33.3
12 - 17 Months	2,967	19.0	12 - 17 Months	11	18.2
18 - 23 Months	2,367	18.3	18 - 23 Months	21	28.6
24 - 35 Months	3,271	16.3	24 - 35 Months	25	16.0
36 - 59 Months	5,275	13.3	36 - 59 Months	32	12.5
Total	14,470	16.3	Total	92	18.5
American Indian/Alaska Native			Total All Race/Ethnic Groups		
6 - 11 Months	15	13.3	6 - 11 Months	4,924	22.3
12 - 17 Months	67	22.4	12 - 17 Months	22,727	21.6
18 - 23 Months	52	19.2	18 - 23 Months	17,355	20.3
24 - 35 Months	53	17.0	24 - 35 Months	24,273	19.7
36 - 59 Months	106	11.3	36 - 59 Months	38,574	15.2
Total	293	16.4	Total	107,853	18.7

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) 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

WIC PNSS & PedNSS

Table 18C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years ⁽²⁾

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity ⁽³⁾															
Race/Ethnicity	Year	Birth Weight ⁽⁴⁾			Height and Weight ^(5,6)							Anemia Low Hb/Hct ⁽⁷⁾			
		Low		High	Short Stature		Under-Weight		Obese		≥ 2 Yrs Overweight and Obese				
		Number	%	%	Number	%	%	%	Number	%	%	Number	%		
		<2500 g	>4000 g					Overweight	Obese						
White, Not Hispanic	2019	15,840	9.4	8.0	84,810	7.1	2.5	11.1	38,566	17.0	13.8	51,492	14.1		
	2018	22,119	9.0	8.1	97,159	7.5	2.8	10.6	41,027	17.0	13.5	65,413	17.9		
	2017	23,268	9.5	8.3	103,212	6.9	2.5	10.9	45,932	16.8	13.2	69,552	16.2		
	2016	24,718	9.0	8.8	109,421	7.1	2.6	10.3	45,659	16.9	13.1	74,240	15.9		
	2015	26,289	8.8	8.6	114,948	6.7	2.6	9.9	47,623	16.9	12.9	77,714	14.3		
	2014	28,393	8.1	8.3	120,575	6.4	2.5	9.9	49,937	17.2	13.0	82,042	14.2		
	2013	28,825	8.2	8.6	123,092	6.4	2.7	9.9	51,046	17.2	12.8	81,420	14.2		
	2012	29,759	8.2	8.8	126,315	6.0	2.8	9.9	52,887	17.0	12.9	83,708	13.3		
	2011	30,418	7.8	8.4	128,453	5.9	2.8	9.9	54,175	16.9	12.6	84,861	12.1		
Black, Not Hispanic	2019	11,053	15.2	3.5	49,690	7.7	4.0	9.2	21,058	14.0	10.8	29,405	28.4		
	2018	14,851	15.1	3.6	56,653	8.2	4.2	9.1	22,575	13.9	11.1	36,297	35.3		
	2017	15,666	15.1	3.2	59,886	7.5	3.8	9.0	25,056	14.2	10.5	38,566	33.1		
	2016	15,331	15.1	3.5	60,949	7.9	4.2	8.7	24,395	13.9	10.4	39,952	33.0		
	2015	16,219	14.9	3.4	63,104	7.5	4.1	8.4	25,277	14.0	10.1	41,390	31.6		
	2014	16,486	13.9	3.7	65,179	7.0	4.0	8.6	26,469	14.7	10.6	43,113	30.3		
	2013	17,015	13.1	3.7	65,995	6.8	4.0	8.9	26,866	14.8	10.9	42,551	30.4		

(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.

WIC PNSS & PedNSS

Table 18C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years ⁽²⁾

Black, Not Hispanic	2012	16,431	13.6	3.7	65,159	6.8	4.3	9.0	26,658	13.9	10.4	42,673	28.4
	2011	16,616	13.6	4.0	64,322	7.0	4.2	9.0	25,699	13.9	10.6	41,184	26.5

(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) 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.

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WIC PNSS & PedNSS

Table 18C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years ⁽²⁾

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity ⁽³⁾															
Race/Ethnicity	Year	Birth Weight ⁽⁴⁾			Height and Weight ^(5,6)							Anemia Low Hb/Hct ⁽⁷⁾			
		Low		High	Short Stature		Under-Weight		Obese		≥ 2 Yrs Overweight and Obese				
		Number	%	%	Number	%	%	%	Number	%	%	Number	%		
		<2500 g	>4000 g					Overweight	Obese						
Hispanic	2019	4,485	8.5	6.9	23,947	7.2	2.1	13.9	11,110	17.8	17.9	14,527	16.3		
	2018	6,171	8.4	7.3	27,928	7.1	2.3	13.5	12,216	18.0	18.1	19,012	20.2		
	2017	6,458	8.5	7.3	29,156	6.7	2.2	13.3	13,308	18.4	17.1	20,064	18.5		
	2016	6,692	8.5	7.5	30,497	6.8	2.1	13.7	13,337	18.3	17.7	21,198	18.1		
	2015	6,913	7.9	8.0	31,467	6.4	2.2	13.6	14,101	18.4	17.4	21,962	16.7		
	2014	6,941	7.4	8.0	32,579	6.2	1.9	14.4	14,826	19.2	18.5	23,001	16.6		
	2013	6,946	7.3	8.0	33,576	6.0	1.9	13.9	15,510	19.1	18.0	23,582	16.8		
	2012	7,159	7.2	8.0	34,292	5.9	2.2	14.1	15,878	18.6	18.4	24,421	16.4		
	2011	7,298	7.3	7.5	35,084	5.5	2.1	14.3	16,192	19.2	18.4	24,944	14.9		
American Indian/Alaska Native	2019	108	10.2	9.3	513	5.5	3.3	15.8	206	21.4	21.4	297	16.2		
	2018	182	5.5	10.4	619	8.1	3.4	17.9	233	18.5	23.2	363	22.3		
	2017	166	12.0	8.4	660	7.0	2.6	17.7	286	20.6	20.6	422	21.1		
	2016	151	10.6	7.3	672	6.7	3.6	18.0	285	21.1	21.1	438	20.5		
	2015	185	6.5	9.2	735	6.7	2.4	16.1	294	23.5	19.7	467	16.1		
	2014	179	11.2	10.1	745	5.6	2.7	16.6	304	21.7	23.4	466	20.4		
	2013	157	5.1	12.7	669	5.5	2.7	17.3	276	21.7	22.1	416	19.7		

(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) 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.

WIC PNSS & PedNSS

Table 18C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years ⁽²⁾

American Indian/Alaska Native	2012	159	6.3	15.7	695	5.6	2.7	14.5	279	22.6	16.5	420	14.8
	2011	153	5.2	13.1	685	4.1	1.6	15.9	306	21.9	19.0	416	15.4

(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.

WIC PNSS & PedNSS

Table 18C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years ⁽²⁾

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity ⁽³⁾															
Race/Ethnicity	Year	Birth Weight ⁽⁴⁾			Height and Weight ^(5,6)							Anemia Low Hb/Hct ⁽⁷⁾			
		Low		High	Short Stature		Under-Weight		Obese		≥ 2 Yrs Overweight and Obese				
		Number	%	%	Number	%	%	%	Number	%	%	Number	%		
		<2500 g	>4000 g								Overweight	Obese			
Asian/Pacific Islander	2019	639	10.5	3.4	3,723	5.7	5.1	10.7	1,764	11.3	14.9	2,347	15.6		
	2018	898	11.9	4.2	4,171	7.5	3.8	9.5	1,807	13.2	11.8	2,918	20.7		
	2017	954	11.4	5.6	4,409	6.7	5.4	8.6	2,051	11.8	11.7	3,067	18.8		
	2016	948	11.3	3.8	4,400	6.3	4.5	8.1	1,952	10.9	10.8	3,144	19.9		
	2015	949	10.4	3.4	4,350	6.0	4.2	8.7	1,918	11.0	11.1	3,044	18.5		
	2014	977	10.2	5.2	4,447	6.4	4.0	8.7	1,916	12.4	13.1	3,138	17.2		
	2013	957	9.4	3.9	4,075	6.9	4.0	8.8	1,718	12.8	12.2	2,781	16.9		
	2012	917	11.6	3.8	3,903	6.8	4.2	8.0	1,693	14.1	11.3	2,676	17.2		
	2011	842	9.4	2.7	3,678	7.3	4.3	8.7	1,521	13.3	11.9	2,504	16.3		
Multiple Races	2019	3,116	11.4	7.2	16,648	7.0	2.9	11.9	7,646	17.2	14.0	10,102	17.6		
	2018	4,332	10.9	7.8	18,979	7.5	2.9	11.4	7,947	17.1	13.5	12,747	23.0		
	2017	4,438	10.6	7.0	18,685	6.8	2.5	11.6	8,101	16.7	14.3	12,501	21.1		
	2016	4,545	9.9	6.8	18,771	6.9	2.7	11.5	7,660	16.3	14.4	12,509	20.5		
	2015	4,403	9.0	7.2	19,078	6.7	2.6	11.4	7,916	17.0	14.2	12,810	18.8		
	2014	4,665	9.5	7.4	19,661	6.4	2.5	11.1	8,307	17.7	14.1	13,289	18.3		
	2013	4,427	9.2	7.6	19,581	6.0	2.6	11.4	8,523	17.3	14.3	13,135	18.2		

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

WIC PNSS & PedNSS

Table 18C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years ⁽²⁾

Multiple Races	2012	4,224	9.7	7.2	19,472	5.7	2.6	11.5	8,485	17.0	14.5	13,283	16.6
	2011	4,198	9.0	7.1	18,898	5.4	2.9	11.7	8,139	17.2	14.7	12,711	15.9

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) 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.

WIC PNSS & PedNSS

Table 18C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years ⁽²⁾

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity ⁽³⁾															
Race/Ethnicity	Year	Birth Weight ⁽⁴⁾			Height and Weight ^(5,6)							Anemia Low Hb/Hct ⁽⁷⁾			
		Low		High	Short Stature		Under-Weight		Obese		≥ 2 Yrs Overweight and Obese				
		Number	%	%	Number	%	%	%	Number	%	%	Number	%		
		<2500 g	>4000 g					Overweight	Obese						
All Other/Unknown	2019	11	9.1	0.0	53	5.7	1.9	9.4	29	13.8	17.2	32	25.0		
	2018	25	*	*	66	*	*	*	21	*	*	37	*		
	2017	8	*	*	54	*	*	*	23	*	*	44	*		
	2016	18	*	*	56	*	*	*	21	*	*	34	*		
	2015	15	*	*	50	*	*	*	18	*	*	28	*		
	2014	15	*	*	48	*	*	*	21	*	*	31	*		
	2013	13	*	*	45	*	*	*	22	*	*	31	*		
	2012	7	*	*	45	*	*	*	19	*	*	25	*		
	2011	10	*	*	45	*	*	*	17	*	*	28	*		
Total All Race/Ethnic Groups	2019	35,288	11.3	6.3	179,537	7.3	2.9	11.0	80,418	16.2	13.7	108,262	18.7		
	2018	48,804	11.0	6.6	205,990	7.6	3.2	10.7	85,908	16.3	13.5	136,909	23.4		
	2017	51,039	11.2	6.5	216,349	7.1	2.9	10.7	94,830	16.2	13.1	144,328	21.5		
	2016	52,567	10.8	6.8	225,134	7.3	3.1	10.4	93,377	16.1	13.1	151,630	21.2		
	2015	55,089	10.5	6.8	234,036	6.8	3.0	10.1	97,204	16.3	12.9	157,509	19.6		
	2014	57,712	9.8	6.8	243,452	6.5	2.9	10.2	101,840	16.8	13.3	165,162	19.1		
	2013	58,430	9.6	6.9	247,235	6.4	3.0	10.3	103,993	16.8	13.2	163,964	19.2		

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

WIC PNSS & PedNSS

Table 18C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years ⁽²⁾

Total All Race/Ethnic Groups	2012	58,707	9.7	7.1	249,969	6.2	3.1	10.4	105,902	16.4	13.2	167,212	17.9
	2011	59,582	9.4	6.9	251,251	6.1	3.1	10.4	106,051	16.5	13.2	166,650	16.4

(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 19C

2019 Pediatric Nutrition Surveillance (1)

Michigan

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity

Children Aged < 5 Years (2)

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity (3)							
Race/Ethnicity	Year	Breastfeeding (4)					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
White, Not Hispanic	2019	15,997	71.5	11,759	37.9	11,045	15.7
	2018	22,367	71.8	17,658	35.0	15,817	15.1
	2017	23,732	71.3	18,974	33.3	16,943	14.8
	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	28,707	69.0	22,860	22.2	20,845	12.2
	2013	29,213	68.4	23,565	21.0	21,192	11.0
	2012	30,142	66.9	23,888	20.7	21,888	10.6
	2011	30,730	65.7	23,705	21.0	21,483	9.8
Black, Not Hispanic	2019	11,226	56.7	7,262	26.1	6,051	7.8
	2018	15,051	56.8	11,001	24.8	8,378	7.4
	2017	15,817	54.5	11,392	20.8	8,747	7.1
	2016	15,514	53.5	11,753	12.4	9,661	6.0
	2015	16,379	51.6	12,371	11.1	9,769	5.8
	2014	16,595	49.7	12,610	11.6	10,364	4.8
	2013	17,129	49.0	12,468	11.0	10,403	4.7
	2012	16,564	47.4	12,264	11.2	10,525	4.4
	2011	16,729	46.3	12,617	11.9	10,329	4.6

(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.

WIC PNSS & PedNSS

Table 19C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity

Children Aged < 5 Years ⁽²⁾

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity ⁽³⁾							
Race/Ethnicity	Year	Breastfeeding ⁽⁴⁾					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
Hispanic	2019	4,520	70.8	3,268	35.6	2,961	12.8
	2018	6,223	70.9	4,931	31.7	4,400	14.1
	2017	6,515	71.4	5,126	30.3	4,630	13.4
	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	7,028	68.2	5,525	18.6	5,174	10.0
	2013	7,043	67.1	5,616	17.5	5,461	9.3
	2012	7,236	64.3	5,580	19.3	5,527	10.2
	2011	7,377	62.7	5,755	22.3	5,676	10.1
American Indian/Alaska Native	2019	111	63.1	74	36.5	67	9.0
	2018	186	68.8	123	42.3	85	*
	2017	167	75.4	112	26.8	102	16.7
	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	143	14.7	112	9.8
	2011	167	57.5	127	18.9	106	10.4

(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.

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.

WIC PNSS & PedNSS

Table 19C

2019 Pediatric Nutrition Surveillance (1)

Michigan

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity

Children Aged < 5 Years (2)

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity (3)							
Race/Ethnicity	Year	Breastfeeding (4)					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
Asian/Pacific Islander	2019	640	76.6	478	41.0	456	20.6
	2018	922	78.4	719	42.4	678	24.3
	2017	979	79.8	747	40.2	703	22.9
	2016	975	73.7	801	36.6	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	72.1	739	35.5	690	24.3
	2012	927	71.7	646	35.4	629	21.5
	2011	870	69.3	674	35.3	643	22.4
Multiple Races	2019	3,137	66.8	2,253	29.6	2,117	11.6
	2018	4,372	66.7	3,441	30.3	3,155	10.5
	2017	4,491	65.0	3,555	27.7	3,114	11.0
	2016	4,589	65.4	3,637	18.3	3,180	9.6
	2015	4,440	64.8	3,660	15.1	3,301	8.6
	2014	4,698	62.1	3,708	15.9	3,303	8.3
	2013	4,452	61.8	3,466	14.3	3,208	7.3
	2012	4,255	60.4	3,594	14.6	3,337	7.2
	2011	4,217	58.7	3,476	14.9	3,191	6.5

(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) 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.

WIC PNSS & PedNSS

Table 19C 2019 Pediatric Nutrition Surveillance ⁽¹⁾ Michigan

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

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity ⁽³⁾							
Race/Ethnicity	Year	Breastfeeding ⁽⁴⁾					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
All Other/Unknown	2019	11	72.7	5	80.0	4	50.0
	2018	27	*	15	*	5	*
	2017	8	*	14	*	11	*
	2016	18	*	13	*	8	*
	2015	15	*	6	*	9	*
	2014	16	*	9	*	10	*
	2013	13	*	6	*	7	*
	2012	7	*	12	*	11	*
	2011	10	*	8	*	8	*
Total All Race/Ethnic Groups	2019	35,683	66.4	25,137	33.5	22,710	13.0
	2018	49,377	66.8	38,049	31.4	32,543	12.7
	2017	51,802	65.8	40,029	29.0	34,283	12.5
	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	62.2	46,092	17.6	41,082	9.1
	2012	59,352	60.7	46,180	17.7	42,029	8.9
2011	60,153	59.5	46,409	18.4	41,436	8.5	

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(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.

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WIC PNSS & PedNSS

Table 20C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Summary of Trends in Growth Indicators by Age

Children Aged < 5 Years ⁽²⁾

Summary of Trends in Growth Indicators by Age ⁽³⁾																							
Age	Year	Height and Weight ^(4,5)							Age	Year	Height and Weight ^(4,5)												
		Short Under- Obese				≥ 2 Yrs					Short Under- Obese				≥ 2 Yrs								
		Stature	Weight	%	%	%	%	%			%	%	Stature	Weight	%	%	%	%	%	%			
		Number	%	%	%	Number	%	%			Number	%	%	%	Number	%	%			Number	%	%	%
						Overweight		Obese							Overweight		Obese			Overweight		Obese	
0 - 11 Months	2019	55,718	11.8	4.0	6.7	0	*	*	24 - 35 Months	2019	30,906	4.9	2.9	12.7	27,406	15.7	12.5						
	2018	62,004	12.4	5.4	5.8	0	*	*		2018	35,240	5.2	2.0	12.9	22,746	15.7	12.3						
	2017	72,975	11.2	4.0	6.9	0	*	*		2017	34,325	4.6	2.3	12.4	26,647	16.0	12.0						
	2016	66,609	12.0	5.2	5.6	0	*	*		2016	39,147	4.6	2.0	12.5	24,917	16.2	11.9						
	2015	68,629	11.2	5.2	5.3	0	*	*		2015	40,356	4.4	2.0	12.0	25,567	15.8	11.2						
	2014	71,262	10.7	5.4	5.3	0	*	*		2014	42,023	4.5	1.8	12.1	26,576	16.4	11.5						
	2013	71,638	10.4	5.7	5.5	0	*	*		2013	42,016	4.2	1.8	12.1	27,183	16.3	11.4						
	2012	72,641	10.0	5.9	5.5	0	*	*		2012	42,357	4.4	2.0	11.8	27,135	15.7	11.1						
	2011	73,544	10.1	5.6	5.5	0	*	*		2011	42,939	4.1	2.0	12.1	27,397	15.8	11.2						
2010	0	*	*	*	0	*	*	2010	0	*	*	*	0	*	*								
12 - 23 Months	2019	42,129	7.6	0.9	11.5	0	*	*	36 - 47 Months	2019	25,947	3.7	3.5	14.0	25,938	16.3	14.0						
	2018	45,577	8.7	0.8	11.0	0	*	*		2018	29,802	4.0	3.3	13.4	29,798	16.0	13.4						
	2017	45,816	7.2	0.9	11.5	0	*	*		2017	29,431	3.6	3.4	13.3	29,422	15.7	13.3						
	2016	50,907	8.2	0.8	10.8	0	*	*		2016	31,951	3.8	3.4	13.2	31,944	15.7	13.2						
	2015	53,403	7.8	0.8	10.4	0	*	*		2015	33,528	3.7	3.1	12.6	33,520	15.8	12.6						
	2014	54,900	7.3	0.7	10.1	0	*	*		2014	35,083	3.4	2.8	12.8	35,081	16.3	12.8						
	2013	56,763	7.0	0.8	10.4	0	*	*		2013	35,462	3.7	2.7	12.7	35,458	16.5	12.7						
	2012	56,190	6.7	0.6	10.5	0	*	*		2012	36,189	3.6	3.1	13.1	36,177	15.9	13.1						

(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) 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

WIC PNSS & PedNSS

Table 20C

2019 Pediatric Nutrition Surveillance ⁽¹⁾

Michigan

Summary of Trends in Growth Indicators by Age

Children Aged < 5 Years ⁽²⁾

12 - 23 Months	2011	56,112	6.5	0.7	10.7	0	*	*
	2010	0	*	*	*	0	*	*
36 - 47 Months	2011	37,006	3.4	3.1	13.0	37,004	16.3	13.0
	2010	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 \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.

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

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

WIC PNSS & PedNSS

Table 20C

2019 Pediatric Nutrition Surveillance (1)

Michigan

Summary of Trends in Growth Indicators by Age

Children Aged < 5 Years (2)

Summary of Trends in Growth Indicators by Age (3)																							
Age	Year	Height and Weight (4,5)							Age	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	%	%			Number	%	%	Number	%	%	Number	%	%	Number	%	%	
48 - 59 Months	2019	24,837	3.0	3.5	14.8	24,833	16.8	14.8	Total All Age Groups	2019	179,537	7.3	2.9	11.0	80,418	16.2	13.7						
	2018	33,367	3.1	3.4	14.5	33,364	16.9	14.5		2018	205,990	7.6	3.2	10.7	85,908	16.3	13.5						
	2017	33,802	3.3	3.3	14.2	33,798	16.8	14.2		2017	216,349	7.1	2.9	10.7	94,830	16.2	13.1						
	2016	36,520	3.3	3.3	14.0	36,516	16.5	14.0		2016	225,134	7.3	3.1	10.4	93,377	16.1	13.1						
	2015	38,120	3.1	2.8	14.3	38,117	17.1	14.3		2015	234,036	6.8	3.0	10.1	97,204	16.3	12.9						
	2014	40,184	3.0	2.6	14.9	40,183	17.6	14.9		2014	243,452	6.5	2.9	10.2	101,840	16.8	13.3						
	2013	41,356	3.1	2.7	14.8	41,352	17.4	14.8		2013	247,235	6.4	3.0	10.3	103,993	16.8	13.2						
	2012	42,590	3.0	2.8	14.7	42,588	17.3	14.7		2012	249,967	6.2	3.1	10.4	105,900	16.4	13.2						
	2011	41,650	3.2	2.9	14.7	41,650	17.3	14.7		2011	251,251	6.1	3.1	10.4	106,051	16.5	13.2						
	2010	0	*	*	*	0	*	*		2010	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

WIC PNSS & PedNSS

Table 21C

2019 Pediatric Nutrition Surveillance (1)

Michigan

Summary of Trends in Anemia by Age

Children Aged < 5 Years (2)

Summary of Trends in Anemia by Age (3)								
Age	Year	Anemia Low Hb/Hct (4)			Age	Year	Anemia Low Hb/Hct (4)	
		Number	%				Number	%
6 - 11 Months	2019	4,924	22.3		18 - 23 Months	2019	17,355	20.3
	2018	5,482	27.9			2018	18,483	26.8
	2017	11,622	25.7			2017	19,565	22.2
	2016	6,395	23.7			2016	21,061	23.7
	2015	6,044	23.2			2015	22,073	22.3
	2014	6,109	23.7			2014	22,664	22.1
	2013	5,563	22.2			2013	22,735	22.4
	2012	6,250	21.8			2012	23,054	21.5
	2011	6,120	20.2			2011	23,223	19.6
12 - 17 Months	2019	22,727	21.6		24 - 35 Months	2019	24,273	19.7
	2018	26,035	26.4			2018	31,365	25.3
	2017	25,190	25.2			2017	30,918	22.6
	2016	28,711	24.7			2016	34,974	22.6
	2015	29,986	22.6			2015	35,990	21.3
	2014	30,904	22.3			2014	38,199	20.8
	2013	31,997	22.7			2013	37,258	20.4
	2012	31,259	21.6			2012	37,748	19.5
	2011	30,406	19.8			2011	38,033	17.9

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) 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

WIC PNSS & PedNSS

Table 21C

2019 Pediatric Nutrition Surveillance (1)

Michigan

Summary of Trends in Anemia by Age

Children Aged < 5 Years (2)

Summary of Trends in Anemia by Age (3)								
Age	Year	Anemia Low Hb/Hct (4)			Age	Year	Anemia Low Hb/Hct (4)	
		Number	%				Number	%
36 - 59 Months	2019	38,574	15.2		Total All Age Groups	2019	108,262	18.7
	2018	55,543	19.3			2018	136,909	23.4
	2017	55,057	18.0			2017	144,328	21.5
	2016	60,489	17.5			2016	151,630	21.2
	2015	63,412	16.1			2015	157,509	19.6
	2014	67,284	15.3			2014	165,162	19.1
	2013	66,409	15.4			2013	163,964	19.2
	2012	68,897	13.9			2012	167,210	17.9
	2011	68,863	12.8			2011	166,650	16.4
All Other/Unknown	2019	0	*					
	2018	0	*					
	2017	0	*					
	2016	0	*					
	2015	0	*					
	2014	0	*					
	2013	0	*					
	2012	2	*					
2011	0	*						

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

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(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.

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