

Table 1C
2012 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Demographic Indicators (2,3)
Children Aged < 5 Years

Page: 1

Run Date: 03/11/2014

Total Records	Number
Individual Children	257,024
Total Records (All Visits)	413,335

Source of Data	Number	%
WIC	257,024	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	257,024	100.0
Excluded Unknown:	0	0.0

Race/Ethnic Distribution	Number	%
White, Not Hispanic	129560	50.4
Black, Not Hispanic	67286	26.2
Hispanic	35321	13.7
American Indian/Alaska Native	742	0.3
Asian/Pacific Islander	4008	1.6
Multiple Races	19962	7.8
All Other	48	0.0
Total	256,927	100.0
Excluded Unknown:	97	0.0

Age Distribution (4)	Number	%
0 - 5 Months	56,826	22.1
6 - 11 Months	29,021	11.3
12 - 23 Months	53,940	21.0
24 - 35 Months	42,044	16.4
3 - 4 Years	75,193	29.3
Total	257,024	100.0

% of Poverty Level	Number	%
0 - 50	101,433	42.7
51 - 100	73,652	31.0
101 - 130	27,257	11.5
131 - 150	12,637	5.3
151 - 185	15,105	6.4
186 - 200	2,530	1.1
Over 200	5,153	2.2
Adjunctive Eligibility	0	0.0
Total	237,767	100.0
Excluded Unknown:	19,257	7.5

Program Participation	Number	%
WIC	257,024	100.0
SNAP	256,307	60.6
Medicaid	254,689	81.2
Tanf	256,313	11.7
Excluded Unknown		
WIC	0	0.0
SNAP	717	0.3
Medicaid	2,335	0.9
Tanf	711	0.3

Migrant Status	Number	%
Yes	2,081	0.8
No	254,943	99.2
Total	257,024	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
2012 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Health Indicators (2)
Children Aged < 5 Years

Page: 2
Run Date: 02/24/2014

Summary of Health Indicators (3)				
	Michigan Prevalance		National Prevalance (Prior Year)	
	Number	%	Number	%
Birthweight				
Low	58,707	9.7	131,697	9.1
High	58,707	7.1	131,697	6.8
Height and Weight (5,6) (3)				
< 5 Yrs Short Stature	249,036	5.8	993,154	5.9
< 5 Yrs Underweight	249,036	2.9	993,154	2.9
< 5 Yrs Obese	249,036	10.7	993,154	10.8
>= 2 Yrs Overweight	112,234	16.4	439,185	16.6
>=2 Yrs Obese	112,234	13.8	439,185	14.4
Anemia (7)				
Low Hb	164,313	16.1	377,315	13.4
Low Hct	20	*	17	29.4
Low Hb/Hct	164,326	16.1	377,330	13.4
Breastfeeding (8)				
Ever Brestfed	59,352	60.9	132,549	64.2
Breastfed At Least 6 Months	42,948	19.1	71,014	24.4
Breastfed At Least 12 Months	39,324	9.5	76,220	11.5
Smoking in Household	255,219	5.6	10,345,873	6.7
<= 2 Hours TV Viewing/ Day (9)	124,279	83.7	262,129	81.3

(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 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
2012 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Breastfeeding Indicators (2)
Children Aged < 5 Years

Page: 3
Run Date: 02/24/2014

	Michigan Prevalance		National Prevalance (Prior Year)	
	Number	%	Number	%
Bareastfeeding Duration (4,5)				
Ever Brestfed	59,352	60.9	132,549	64.2
Breastfed 1+ Weeks	51,184	58.2	116,790	61.8
Breastfed 2+ Weeks	40,888	55.2	93,313	62.2
Breastfed 3+ Weeks	35,465	50.5	79,904	60.1
Breastfed 4+ Weeks	33,013	46.4	73,123	56.7
Breastfed 6+ Weeks	31,781	39.1	63,381	49.5
Breastfed 2+ Months	32,850	35.6	59,420	44.2
Breastfed 3+ Months	36,583	28.8	61,858	37.4
Breastfed 4+ Months	41,017	23.9	67,176	31.3
Breastfed 5+ Months	45,684	20.7	71,913	26.9
Breastfed 6+ Months	42,948	19.1	71,014	24.4
Breastfed 9+ Months	33,141	13.6	67,708	16.8
Breastfed 12+ Months	39,324	9.5	76,220	11.5
Breastfed 18+ Months	29,077	3.6	58,502	4.8
Exclusive Breastfeeding (6)				
Exclusively Breastfed at Least 3 Months	28,358	16.3	59,502	16.4
Exclusively Breastfed at Least 6 Months	33,631	7.9	68,534	8.8

(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) 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+ week 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.

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	257,024	50.4	26.2	13.7	0.3	1.6	7.8	0.1
Nation (Prior Year)	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.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 5C
2012 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Age Distribution by Contributor to Nation
Children Aged < 5 Years (2)

Page: 5
Run Date: 10/23/2013

Comparison of Age Distribution				
Contributor	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Michigan	257,024	33.4	21.0	45.6
Nation (Prior Year)	257,910	29.7	22.0	48.3

(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) 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
2012 Pediatric Nutrition Surveillance (1)
Michigan
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	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Michigan	58,707	9.7	7.1	249,036	5.8	2.9	10.7	112,234	16.4	13.8	164,326	16.1
Nation (Prior Year)	59,577	9.4	6.9	253,759	6.0	3.0	10.5	109,357	16.5	14.1	166,673	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 and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7C
2012 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan

Page: 7
Run Date: 09/24/2013

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)														
	Breastfeeding (5)					Exclusive Breastfeeding (6)			>=2 Hours TV Viewing/Day (7)		Smoking in Household			
Contributor	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
Michigan	59,352	60.9	42,948	19.1	39,324	9.5	28,358	16.3	33,631	7.9	124,279	83.7	255,219	5.6
Nation (Prior Year)	60,153	59.5	46,409	18.4	41,436	8.5	38,333	12.2	43,955	5.9	124,511	82.2	257,111	6.3

(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.

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

Table 8C
2012 Pediatric Nutrition Surveillance (1)
Michigan
Growth and Anemia Indicators by Race/Ethnicity or Age
Children Aged < 5 Years (2)

Page: 8

Run Date: 03/10/2014

Growth and Anemia Indicators by Race/Ethnicity or Age (3)												
	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	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Race Ethnicity												
White, Not Hispanic	29,775	8.2	8.8	125,896	5.6	2.6	10.2	56,207	16.8	13.2	82,408	11.7
Black, Not Hispanic	16,431	13.6	3.7	65,053	6.4	4.0	9.2	28,218	14.2	11.2	41,753	26.0
Hispanic	7,156	7.2	8.0	34,008	5.6	1.9	14.5	16,744	18.5	19.7	24,009	14.4
American Indian/Alaska Native	159	6.3	15.7	701	5.0	2.4	15.0	300	22.0	17.3	415	14.5
Asian/Pacific Islander	918	11.5	3.8	3,887	6.8	4.7	8.3	1,797	13.6	11.7	2,637	15.0
Multiple Races	4,208	9.7	7.2	19,357	5.2	2.4	12.0	8,945	17.2	15.2	13,074	14.8
All Other	7	*	*	45	*	*	*	20	*	*	24	*
Total	58,707	9.7	7.1	249,036	5.8	2.9	10.7	112,234	16.4	13.8	164,326	16.1
Age												
0 - 11 Months	0	*	*	83,373	9.2	4.2	6.5	0	*	*	13,552	20.6
12 - 23 Months	0	*	*	53,397	5.8	0.3	12.1	0	*	*	51,964	18.9
24 - 35 Months	0	*	*	41,102	3.6	3.2	11.1	41,079	15.5	11.5	36,971	17.2
36 - 47 Months	0	*	*	35,311	3.2	3.2	13.7	35,304	16.3	14.5	33,889	13.2
48 - 59 Months	0	*	*	35,851	2.9	2.9	14.7	35,849	17.5	15.8	27,948	10.8
Total	0	*	*	249,034	5.8	2.9	10.7	112,232	16.4	13.8	164,324	16.1

(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 9C
2012 Pediatric Nutrition Surveillance (1)
Michigan

Page: 9

Run Date: 03/27/2014

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	%	Number	%
Race/Ethnicity										
White, Not Hispanic	30,158	67.0	22,566	21.9	20,742	11.2	62,304	88.8	128,646	5.4
Black, Not Hispanic	16,564	47.5	11,008	12.6	9,539	4.9	30,874	73.0	66,774	7.5
Hispanic	7,233	64.5	5,201	20.6	5,235	10.8	18,790	83.9	35,149	2.6
American Indian/Alaska Native	162	67.3	136	16.2	106	11.3	342	83.3	716	6.3
Asian/Pacific Islander	928	71.9	619	37.0	595	22.7	1,990	79.7	3,977	1.1
Multiple Races	4,239	60.6	3,351	15.8	3,096	7.7	9,957	84.9	19,829	6.7
All Other	7	*	12	*	11	*	21	*	46	*
Total	59,352	60.9	42,948	19.1	39,324	9.5	124,279	83.7	255,219	5.6
Age										
0 - 11 Months	0	*	0	*	0	*	0	*	84,348	4.6
12 - 23 Months	0	*	0	*	0	*	0	*	53,863	5.5
24 - 35 Months	0	*	0	*	0	*	41,738	85.8	41,982	6.0
36 - 47 Months	0	*	0	*	0	*	38,120	82.7	38,270	6.4
48 - 59 Months	0	*	0	*	0	*	36,565	81.5	36,754	6.7
Total	59,352	60.9	42,948	19.1	39,324	9.5	124,279	83.7	255,218	5.6

(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
2012 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Racial and Ethnic Distribution
Children Aged < 5 Years (2)

Page: 10
Run Date: 09/24/2013

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 %
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
2012 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Age Distribution
Children Aged < 5 Years (2)

Page: 11
Run Date: 10/23/2013

Summary of Trends in Age Distribution (3)				
Year	Number Included in Analysis	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
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
2012 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Growth and Anemia Indicators
Children Aged < 5 Years (2)

Page: 12

Run Date: 09/24/2013

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	%
2012	58,707	9.7	7.1	249,036	5.8	2.9	10.7	112,234	16.4	13.8	164,326	16.1
2011	59,577	9.4	6.9	253,759	6.0	3.0	10.5	109,357	16.5	14.1	166,673	16.4
2010	59,684	9.4	6.9	254,272	5.9	3.2	10.9	109,884	18.3	14.2	146,487	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 are not calculated if < 100 records are available for analysis after exclusions.

Table 13C
2012 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Breastfeeding
Children Aged < 5 Years (2)

Page: 13
Run Date: 09/24/2013

Summary of Trends in Breastfeeding (3)						
Year	Breastfeeding (4)					
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastsfeed At Least 12 Months
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
2012 Pediatric Nutrition Surveillance (1)
Michigan

Page: 14
Run Date: 09/25/2013

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	42,490	8.5	42,490	4.1	42,490	6.1	0	*	*
12 - 23 Months	27,199	5.6	27,199	0.3	27,199	11.8	0	*	*
24 - 59 Months	55,785	3.4	55,785	2.6	55,785	12.6	55,785	16.8	13.2
Total	125,474	5.6	125,474	2.6	125,474	10.2	55,785	16.8	13.2
Black, Not Hispanic									
0 - 11 Months	23,220	10.9	23,220	4.8	23,220	6.5	0	*	*
12 - 23 Months	13,615	6.3	13,615	0.5	13,615	11.1	0	*	*
24 - 59 Months	27,983	2.7	27,983	5.1	27,983	10.5	27,983	14.2	11.2
Total	64,818	6.4	64,818	4.0	64,818	9.2	27,983	14.2	11.2
Hispanic									
0 - 11 Months	10,118	8.3	10,118	3.7	10,118	8.0	0	*	*
12 - 23 Months	7,146	6.4	7,146	0.2	7,146	14.5	0	*	*
24 - 59 Months	16,633	3.7	16,633	1.5	16,633	18.3	16,633	18.5	19.6
Total	33,897	5.6	33,897	1.9	33,897	14.4	16,633	18.5	19.6
American Indian/Alaska Native									
0 - 11 Months	249	7.2	249	4.0	249	4.8	0	*	*
12 - 23 Months	152	2.6	152	0.7	152	28.9	0	*	*
24 - 59 Months	297	4.0	297	2.0	297	16.5	297	21.9	17.5
Total	698	4.9	698	2.4	698	15.0	297	21.9	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 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
2012 Pediatric Nutrition Surveillance (1)
Michigan

Page: 15
Run Date: 09/25/2013

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	1,264	10.0	1,264	3.8	1,264	4.9	0	*	*
12 - 23 Months	826	5.8	826	1.0	826	7.6	0	*	*
24 - 59 Months	1,785	5.0	1,785	7.1	1,785	10.8	1,801	13.5	11.4
Total	3,875	6.8	3,875	4.7	3,875	8.2	1,785	13.6	11.5
Multiple Races									
0 - 11 Months	6,044	9.1	6,044	3.6	6,044	7.2	0	*	*
12 - 23 Months	4,368	4.8	4,368	0.2	4,368	13.6	0	*	*
24 - 59 Months	8,873	2.7	8,873	2.7	8,873	14.4	8,873	0.2	15.2
Total	19,285	5.2	19,285	2.4	19,285	12.0	8,873	0.2	15.2
All Other/Unknown									
0 - 11 Months	12	*	12	*	12	*	0	*	*
12 - 23 Months	13	*	13	*	13	*	0	*	*
24 - 59 Months	20	*	20	*	20	*	20	*	*
Total	45	*	45	*	45	*	20	*	*
Total All Race/Ethnic Groups									
0 - 11 Months	83,480	9.2	83,480	4.2	83,480	6.5	0	*	*
12 - 23 Months	53,322	5.8	53,322	0.3	53,322	12.1	0	*	*
24 - 59 Months	111,379	3.3	111,379	3.1	111,379	13.0	111,379	16.4	13.8
Total	248,181	5.8	248,181	2.9	248,181	10.6	111,379	16.4	13.8

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 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
2012 Pediatric Nutrition Surveillance (1)
Michigan
Anemia Indicators by Race/Ethnicity and Age (2)
Children Aged < 5 Years

Page: 16
Run Date: 09/25/2013

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	6,803	16.8	6 - 11 Months	219	20.5
12 - 17 Months	15,252	15.6	12 - 17 Months	453	15.2
18 - 23 Months	11,176	12.8	18 - 23 Months	346	23.1
24 - 35 Months	18,460	12.1	24 - 35 Months	638	13.8
36 - 59 Months	30,710	8.1	36 - 59 Months	981	11.5
Total	82,401	11.7	Total	2,637	15.0
Black, Not Hispanic			Multiple Races		
6 - 11 Months	3,736	28.6	6 - 11 Months	1,025	18.8
12 - 17 Months	7,413	30.1	12 - 17 Months	2,375	18.5
18 - 23 Months	5,839	27.8	18 - 23 Months	1,874	15.5
24 - 35 Months	9,415	28.5	24 - 35 Months	2,937	15.4
36 - 59 Months	15,347	21.2	36 - 59 Months	4,862	11.6
Total	41,750	26.0	Total	13,073	14.8
Hispanic			All Other/Unknown		
6 - 11 Months	1,729	18.6	0 - 11 Months	4	*
12 - 17 Months	3,909	18.9	12 - 17 Months	8	*
18 - 23 Months	3,173	15.6	18 - 23 Months	5	*
24 - 35 Months	5,415	16.0	24 - 35 Months	4	*
36 - 59 Months	9,782	10.7	36 - 59 Months	9	*
Total	24,008	14.4	Total	30	*
American Indian/Alaska Native			Total All Race/Ethnic Groups		
6 - 11 Months	26	*	6 - 11 Months	13,542	20.5
12 - 17 Months	71	*	12 - 17 Months	29,481	19.9
18 - 23 Months	70	*	18 - 23 Months	22,483	17.5
24 - 35 Months	102	18.6	24 - 35 Months	36,971	17.2
36 - 59 Months	146	10.3	36 - 59 Months	61,837	12.1
Total	415	14.5	Total	164,314	16.1

(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 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
2012 Pediatric Nutrition Surveillance (1)
Michigan

Page: 17

Run Date: 09/25/2013

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	%	%	Number	%
White, Not Hispanic	2012	29,775	8.2	8.8	125,896	5.6	2.6	10.2	56,207	16.8	13.2	82,408	11.7
	2011	30,433	7.8	8.4	129,736	5.8	2.7	10.0	55,921	16.9	13.5	84,905	12.0
	2010	30,392	7.7	8.5	131,192	5.7	2.9	10.2	56,688	16.8	13.2	73,483	11.1
Black, Not Hispanic	2012	16,431	13.6	3.7	65,053	6.4	4.0	9.2	28,218	14.2	11.2	41,753	26.0
	2011	16,626	13.6	4.0	64,892	6.8	4.1	9.2	26,359	13.9	11.3	41,189	26.7
	2010	16,599	13.6	3.8	64,332	6.9	4.3	9.9	26,065	13.9	11.8	37,174	24.2

(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.

Table 18C
2012 Pediatric Nutrition Surveillance (1)
Michigan

Page: 18

Run Date: 09/25/2013

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	%	%	Number	%
Hispanic	2012	7,156	7.2	8.0	34,008	5.6	1.9	14.5	16,744	18.5	19.7	24,009	14.4
	2011	7,286	7.3	7.5	35,522	5.4	2.0	14.6	16,759	19.2	20.0	24,943	14.8
	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	2012	159	6.3	15.7	701	5.0	2.4	15.0	300	22.0	17.3	415	14.5
	2011	153	5.2	13.1	695	4.2	1.6	16.1	317	21.8	22.1	420	16.0
	2010	160	5.6	11.9	608	6.6	2.5	17.6	246	20.3	20.7	307	11.4

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

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

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

(6) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

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

Table 18C
2012 Pediatric Nutrition Surveillance (1)
Michigan

Page: 19

Run Date: 09/25/2013

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	%	%	Number	%
Asian/Pacific Islander	2012	918	11.5	3.8	3,887	6.8	4.7	8.3	1,797	13.6	11.7	2,637	15.0
	2011	840	9.4	2.7	3,713	7.1	4.1	9.0	1,582	13.1	12.8	2,501	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	2012	4,208	9.7	7.2	19,357	5.2	2.4	12.0	8,945	17.2	15.2	13,074	14.8
	2011	4,180	9.0	7.1	19,065	5.2	2.8	11.7	8,399	17.1	15.4	12,684	15.9
	2010	4,205	8.7	7.2	18,225	5.3	3.0	12.7	7,877	17.0	16.0	10,575	14.4

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

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

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

(6) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age $<$ 5th percentile, underweight is defined as BMI-for-age $<$ 5th percentile, overweight is defined as BMI-for-age \geq 85th to $<$ 95th percentile, and obesity is defined as \geq 95th percentile.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

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

Table 18C
2012 Pediatric Nutrition Surveillance (1)
Michigan

Page: 20

Run Date: 09/25/2013

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	%	%	Number	%
All Other/Unknown	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	2012	58,707	9.7	7.1	249,036	5.8	2.9	10.7	112,234	16.4	13.8	164,326	16.1
	2011	59,577	9.4	6.9	253,759	6.0	3.0	10.5	109,357	16.5	14.1	166,673	16.4
	2010	59,684	9.4	6.9	254,272	5.9	3.2	10.9	109,884	16.5	14.2	146,487	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 are not calculated if < 100 records are available for analysis after exclusions.

Table 19C
2012 Pediatric Nutrition Surveillance (1)
Michigan

Page: 21
Run Date: 09/25/2013

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	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	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
2012 Pediatric Nutrition Surveillance (1)
Michigan
Summary Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years (2)

Page: 22
Run Date: 09/25/2013

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
Hispanic	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	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
2012 Pediatric Nutrition Surveillance (1)
Michigan
Summary Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years (2)

Page: 23
Run Date: 09/25/2013

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	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	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
2012 Pediatric Nutrition Surveillance (1)
Michigan
Summary Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years (2)

Page: 24
Run Date: 09/25/2013

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity (3)							
Race/Ethnicity and Year		Breastfeeding (4)					
		Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastfeed At Least 12 Months
All Other/Unknown	2012	68	*	67	*	11	*
	2011	67	*	61	*	7	*
	2010	69	*	55	*	11	*
Total All Race/Ethnic Groups	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
2012 Pediatric Nutrition Surveillance (1)
Michigan
Summary Trends in Growth Indicators by Age
Children Aged < 5 Years (2)

Page: 25
Run Date: 10/23/2013

Summary of Trends in Growth Indicators by Age (3)																	
Age and Year		Height and Weught (4,5)							Age and Year		Height and Weught (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	2012	83,373	9.2	4.2	6.5	0	*	*	24 - 35 Months	2012	41,102	3.6	3.2	11.1	41,079	44.8	11.5
	2011	74,332	9.7	5.2	5.9	0	*	*		2011	42,092	4.1	2.1	12.1	27,560	65.5	12.1
	2010	74,954	9.6	5.9	6.2	0	*	*		2010	44,469	3.8	2.2	12.4	31,367	63.9	12.3
	2009	0	*	*	*	0	*	*		2009	0	*	*	*	0	*	*
	2008	0	*	*	*	0	*	*		2008	0	*	*	*	0	*	*
	2007	0	*	*	*	0	*	*		2007	0	*	*	*	0	*	*
	2006	0	*	*	*	0	*	*		2006	0	*	*	*	0	*	*
	2005	0	*	*	*	0	*	*		2005	0	*	*	*	0	*	*
	2004	0	*	*	*	0	*	*		2004	0	*	*	*	0	*	*
	2003	0	*	*	*	0	*	*		2003	0	*	*	*	0	*	*
	2002	0	*	*	*	0	*	*		2002	0	*	*	*	0	*	*
12 - 23 Months	2012	53,397	5.8	0.3	12.1	0	*	*	36 - 47 Months	2012	35,311	3	3.2	13.7	35,304	52.1	14.5
	2011	56,493	6.4	0.7	10.8	0	*	*		2011	39,177	3	3.1	13.0	39,175	46.1	13.8
	2010	58,919	6.3	0.7	11.7	0	*	*		2010	38,045	3	3.2	13.4	38,035	52.7	14.2
	2009	0	*	*	*	0	*	*		2009	0	*	*	*	0	*	*
	2008	0	*	*	*	0	*	*		2008	0	*	*	*	0	*	*
	2007	0	*	*	*	0	*	*		2007	0	*	*	*	0	*	*
	2006	0	*	*	*	0	*	*		2006	0	*	*	*	0	*	*
	2005	0	*	*	*	0	*	*		2005	0	*	*	*	0	*	*
	2004	0	*	*	*	0	*	*		2004	0	*	*	*	0	*	*
	2003	0	*	*	*	0	*	*		2003	0	*	*	*	0	*	*
	2002	0	*	*	*	0	*	*		2002	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
2012 Pediatric Nutrition Surveillance (1)
Michigan
Summary Trends in Growth Indicators by Age
Children Aged < 5 Years (2)

Page: 26

Run Date: 09/25/2013

Summary of Trends in Growth Indicators by Age (3)								
Age and Year		Height and Weught (4,5)						
		Short Stature	Under-weight	Obese	>=2 Yrs Overweight and Obese			
		Number	%	%	%	Number	% Overweight	% Obese
48 - 59 Months	2012	35,851	2.9	2.9	14.7	35,849	51.3	15.8
	2011	41,665	3.2	2.9	14.7	41,665	43.3	15.9
	2010	37,883	3.0	3.0	14.9	37,879	53.0	15.9
	2009	0	*	*	*	0	*	*
	2008	0	*	*	*	0	*	*
	2007	0	*	*	*	0	*	*
	2006	0	*	*	*	0	*	*
	2005	0	*	*	*	0	*	*
	2004	0	*	*	*	0	*	*
	2003	0	*	*	*	0	*	*
	2002	0	*	*	*	0	*	*
Total All Age Groups	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	18.3	14.2
	2009	0	*	*	*	0	*	*
	2008	0	*	*	*	0	*	*
	2007	0	*	*	*	0	*	*
	2006	0	*	*	*	0	*	*
	2005	0	*	*	*	0	*	*
	2004	0	*	*	*	0	*	*
	2003	0	*	*	*	0	*	*
	2002	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
2012 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 and Year		Anemia Low Hb/Hct (4)			Age and Year		Anemia Low Hb/Hct (4)	
		Number	%				Number	%
6 - 11 Months	2012	13,542	20.5		18 - 23 Months	2012	22,483	17.5
	2011	6,643	19.9			2011	21,439	18.8
	2010	6,281	18.8			2010	23,202	16.6
12 - 17 Months	2012	29,481	19.9		24 - 35 Months	2012	36,971	17.2
	2011	32,627	19.4			2011	37,192	18.7
	2010	30,537	18.6			2010	32,623	16.5

Table 21C

2012 Pediatric Nutrition Surveillance

Michigan

Summary of Trends in Anemia by Age

Children Aged < 5 Years

(1)

(2)

Summary of Trends in Anemia by Age (3)					
Age and Year		Anemia Low Hb/Hct (4)		Age and Year	
		Number	%		
36 - 59 Months	2012	61,837	12.1	Total All Age Groups	2012
	2011	68,770	12.7		2011
	2010	53,842	11.1		2010
All Other/Unknown	2012	2	*		2012
	2011	0	*		2011
	2010	2	*		2010

(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