

# WIC PNNS & PedNSS

## Table 4F

### 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

#### Michigan

#### Comparison of Racial and Ethnic Distribution by Local Agency

#### Children Aged < 5 Years <sup>(2)</sup>

<b>Comparison of Racial and Ethnic Distribution</b>								
<b>Local Agency</b>	Number Included in Analysis <small>(3,4)</small>	White, Not Hispanic  %	Black, Not Hispanic  %	Hispanic  %	American Indian/Alaska Native  %	Asian/Pacific Islander  %	Multiple Races  %	All Other/Unknown  %
01DHD#2	1,643	86.9	0.1	6.0	0.0	0.0	7.1	0.0
02LMAS	709	63.9	0.6	2.3	3.4	0.1	29.6	0.1
04DHD#4	1,528	87.8	0.2	3.6	0.1	0.0	8.2	0.0
05NWMCHA	2,540	88.4	0.3	3.4	1.1	0.3	6.5	0.0
06CMDHD	4,396	85.1	1.2	5.1	0.7	0.1	7.8	0.1
07West UP	1,264	87.8	1.1	2.8	0.0	1.2	6.7	0.3
08Barry	2,275	82.7	2.6	8.1	0.0	0.3	5.8	0.5
09Bay	2,360	67.0	2.1	16.7	0.1	0.3	13.3	0.3
10Gr Trav	1,646	78.6	0.9	9.3	0.7	0.5	9.4	0.6
11Berrien	3,483	43.1	37.3	9.7	0.2	0.9	8.0	0.8
12BHS	4,279	74.1	0.8	16.1	0.0	0.1	7.8	1.0
13Calhoun	4,013	51.0	19.0	8.6	0.1	6.0	15.2	0.0
14Leelanau	583	71.5	0.5	16.1	3.1	0.0	8.7	0.0
15Intercar	10,492	56.3	3.5	30.4	0.1	0.7	8.2	0.7
17Chippewa	927	43.7	0.2	4.4	18.6	0.3	32.7	0.1
19Mid-Mich	3,080	81.2	0.2	12.7	0.0	0.1	5.8	0.1
21Delta	1,203	76.9	0.2	4.7	0.2	0.2	17.9	0.0
22Iron	872	90.8	0.3	2.5	0.0	0.0	6.1	0.2
25Genesee	10,580	39.7	39.5	6.8	0.0	0.2	13.6	0.1
30HDI	2,225	11.8	54.0	27.7	0.0	0.3	6.2	0.0
32Huron	659	90.0	0.8	5.9	0.0	0.0	3.3	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) Prenatal program participation

\* National includes previous year's data for all participating States and ITOs.

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<b>Local Agency</b>	Number Included in Analysis <small>(3,4)</small>	White, Not Hispanic  %	Black, Not Hispanic  %	Hispanic  %	American Indian/Alaska Native %	Asian/Pacific Islander  %	Multiple Races  %	All Other/Unknown  %
33Ingham	6,552	32.3	25.4	20.4	0.1	5.6	16.2	0.1
35Keweenaw	220	2.7	0.0	2.7	79.1	0.0	15.5	0.0
37Ionia	1,496	81.7	0.2	11.1	0.0	0.0	7.0	0.0
38Jackson	4,259	59.3	13.5	8.7	0.0	0.3	18.0	0.0
39Kalamazo	5,624	38.2	33.7	12.0	0.1	0.6	15.3	0.1
41Kent	14,932	27.7	23.9	33.7	0.1	4.8	9.6	0.1
43DHD#10	6,857	76.7	1.2	14.4	0.1	0.1	7.2	0.3
44Lapeer	1,558	81.8	0.4	9.4	0.0	0.2	7.9	0.2
45Tuscola	1,369	87.4	0.7	7.5	0.1	0.1	4.2	0.0
46CAA	1,870	60.5	1.9	24.8	0.1	0.0	12.0	0.7
47Livingst	1,516	87.3	0.6	5.1	0.0	0.5	6.5	0.0
50Macomb	10,083	51.3	27.8	3.4	0.0	6.9	10.2	0.4
51DCS	2,421	62.8	9.4	15.4	0.1	1.3	11.1	0.0
52Marquett	1,115	81.4	0.4	3.7	1.7	0.5	12.3	0.0
56MMCAA	1,409	89.5	0.7	3.5	0.2	0.2	5.9	0.0
58Monroe	2,450	72.6	4.6	8.9	0.1	0.4	13.1	0.4
61Muskegon	5,537	47.1	25.9	13.6	0.2	0.2	12.9	0.0
63Oakland	13,025	42.0	30.5	15.1	0.1	2.3	9.8	0.2
73Saginaw	3,279	39.1	26.7	23.2	0.0	0.4	10.2	0.4
74St Clair	2,922	70.2	4.1	10.7	0.1	0.1	14.5	0.3
76Sanilac	824	87.5	0.6	7.3	0.0	0.2	4.1	0.2

(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) Prenatal program participation

\* National includes previous year's data for all participating States and ITOs.

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### 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Racial and Ethnic Distribution by Local Agency

### Children Aged < 5 Years <sup>(2)</sup>

Comparison of Racial and Ethnic Distribution								
Local Agency	Number Included in Analysis (3,4)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
78Shiawass	1,596	82.0	0.6	8.8	0.1	0.1	8.3	0.2
81Washtena	4,267	30.3	37.3	12.7	0.0	2.6	16.6	0.4
82Wayne	20,673	53.5	27.1	6.3	0.1	5.4	7.4	0.4
89Urban L	13,277	11.0	76.7	7.2	0.1	0.6	4.2	0.1
90Detroit	22,236	7.8	70.8	17.2	0.0	1.3	2.7	0.1
<b>Michigan</b>	<b>212,233</b>	<b>47.0</b>	<b>27.6</b>	<b>13.6</b>	<b>0.3</b>	<b>2.0</b>	<b>9.2</b>	<b>0.2</b>
<b>National (Prior Year)</b>	<b>323,319</b>	<b>46.5</b>	<b>21.0</b>	<b>14.9</b>	<b>2.1</b>	<b>2.2</b>	<b>7.7</b>	<b>5.6</b>

(1) Reporting period is January 1 through December 31

(2) Analyses based on one record per child

(3) Excludes records with unknown data errors.

(4) Prenatal program participation

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# WIC PNNS & PedNSS

## Table 5F

### 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Age Distribution by Local Agency

### Children Aged < 5 Years <sup>(2)</sup>

Comparison of Age Distribution				
Local Agency	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
01DHD#2	1,643	28.8	21.2	50.0
02LMAS	709	27.8	25.4	46.8
04DHD#4	1,528	25.9	25.3	48.8
05NWMCHA	2,540	27.4	20.9	51.7
06CMDHD	4,396	27.3	21.8	50.9
07West UP	1,264	24.8	24.5	50.7
08Barry	2,275	29.5	20.5	50.0
09Bay	2,360	25.6	25.0	49.4
10Gr Trav	1,646	29.8	25.2	45.0
11Berrien	3,483	33.1	18.9	48.0
12BHS	4,279	29.6	21.4	49.0
13Calhoun	4,013	27.1	21.9	50.9
14Leelanau	583	29.2	21.1	49.7
15Intercar	10,492	25.4	23.0	51.6
17Chippewa	927	27.2	22.7	50.2
19Mid-Mich	3,080	30.8	20.9	48.2
21Delta	1,203	24.9	24.2	51.0
22Iron	872	26.0	22.7	51.3
25Genesee	10,580	31.9	21.1	47.1
30HDI	2,225	29.4	19.5	51.1
32Huron	659	25.2	26.9	48.0

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

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# WIC PNNS & PedNSS

## Table 5F

### 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

#### Michigan

#### Comparison of Age Distribution by Local Agency

#### Children Aged < 5 Years <sup>(2)</sup>

<b>Comparison of Age Distribution</b>				
<b>Local Agency</b>	Number Included in Analysis (3,4)	0 - 11 Months  %	12 - 23 Months  %	24 - 59 Months  %
33Ingham	6,552	32.4	20.6	46.9
35Keweenaw	220	27.7	20.0	52.3
37Ionia	1,496	23.8	25.7	50.5
38Jackson	4,259	27.0	22.5	50.5
39Kalamazo	5,624	30.5	20.7	48.8
41Kent	14,932	28.8	21.7	49.5
43DHD#10	6,857	25.2	23.5	51.3
44Lapeer	1,558	26.3	24.5	49.2
45Tuscola	1,369	29.4	21.2	49.4
46CAA	1,870	30.2	22.6	47.2
47Livingst	1,516	31.5	20.9	47.6
50Macomb	10,083	31.8	22.8	45.4
51DCS	2,421	26.7	25.6	47.7
52Marquett	1,115	25.4	22.6	52.0
56MMCAA	1,409	33.2	21.6	45.1
58Monroe	2,450	29.4	24.2	46.4
61Muskegon	5,537	28.4	23.6	48.0
63Oakland	13,025	30.6	21.2	48.3
73Saginaw	3,279	34.4	22.0	43.6
74St Clair	2,922	29.6	20.5	49.9
76Sanilac	824	28.4	22.6	49.0

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

(2) Analyses based on one record per child.

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# WIC PNNS & PedNSS

## Table 5F

### 2018 Pediatric Nutrition Surveillance (1)

#### Michigan

#### Comparison of Age Distribution by Local Agency

#### Children Aged < 5 Years (2)

<b>Comparison of Age Distribution</b>				
<b>Local Agency</b>	<b>Number Included in Analysis (3,4)</b>	<b>0 - 11 Months %</b>	<b>12 - 23 Months %</b>	<b>24 - 59 Months %</b>
78Shiawass	1,596	25.6	22.1	52.4
81Washtena	4,267	28.9	22.2	48.9
82Wayne	20,673	33.2	20.5	46.4
89Urban L	13,277	35.3	19.6	45.1
90Detroit	22,236	33.6	20.4	46.0
<b>Michigan</b>	<b>212,233</b>	<b>30.3</b>	<b>21.6</b>	<b>48.1</b>
<b>National (Prior Year)</b>	<b>323,319</b>	<b>29.3</b>	<b>22.1</b>	<b>48.6</b>

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

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

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# WIC PNNS & PedNSS

## Table 6F

### 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

#### Michigan

#### Comparison of Growth and Anemia Indicators by Local Agency

#### Children Aged < 5 Years <sup>(2)</sup>

#### Comparison of Growth and Anemia Indicators <sup>(3,4)</sup>

Local Agency	Birth Weight <sup>(5)</sup>			Height and Weight <sup>(6,7)</sup>						Anemia Low Hb/Hct <sup>(8)</sup>		
	Low		High	Short Stature		Under-Weight	Obese	≥ 2 Yrs Overweight and Obese				
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
01DHD#2	383	8.9 (19)	9.1 (33)	1,599	7.6 (27)	3.1 (28)	10.6 (18)	678	15.6 (7)	14.6 (27)	1,076	20.4 (30)
02LMAS	160	12.5 (41)	8.8 (30)	689	6.0 (5)	4.5 (43)	10.0 (11)	273	19.4 (39)	15.4 (34)	484	13.0 (12)
04DHD#4	337	8.0 (13)	11.0 (44)	1,485	8.3 (34)	2.8 (23)	11.7 (35)	631	17.9 (34)	17.1 (43)	1,015	21.8 (34)
05NWMCHA	481	7.7 (12)	6.9 (17)	2,481	7.1 (14)	4.6 (44)	11.1 (29)	1,111	15.8 (9)	14.3 (21)	1,673	12.0 (9)
06CMDHD	988	7.6 (10)	9.1 (33)	4,299	7.1 (14)	2.9 (26)	10.6 (18)	1,852	17.3 (28)	15.4 (34)	2,873	14.8 (16)
07West UP	259	6.2 (3)	8.5 (29)	1,227	7.6 (27)	1.8 (6)	10.2 (13)	538	17.1 (25)	12.1 (6)	807	10.5 (5)
08Barry	490	6.3 (4)	10.4 (41)	2,216	7.4 (23)	2.8 (23)	10.9 (23)	934	21.5 (43)	14.1 (18)	1,423	11.5 (6)
09Bay	507	8.5 (16)	8.9 (32)	2,295	8.5 (37)	1.7 (3)	13.1 (41)	956	18.2 (37)	18.6 (45)	1,604	13.7 (14)
10Gr Trav	409	10.3 (30)	11.5 (45)	1,550	4.6 (1)	6.9 (47)	9.1 (3)	644	21.9 (45)	12.0 (5)	985	18.5 (27)
11Berrien	807	9.7 (24)	7.4 (21)	3,386	7.2 (18)	3.6 (34)	10.7 (21)	1,386	16.9 (18)	14.4 (23)	2,314	19.2 (28)
12BHS	971	7.0 (6)	7.2 (19)	4,179	8.7 (39)	2.0 (9)	12.9 (40)	1,773	16.7 (16)	15.3 (33)	2,741	12.0 (9)
13Calhoun	886	9.6 (23)	7.4 (21)	3,889	8.2 (33)	3.4 (31)	13.4 (42)	1,717	16.9 (18)	15.7 (39)	2,714	24.0 (36)
14Leelanau	125	8.0 (13)	8.8 (30)	562	7.3 (21)	4.1 (39)	11.4 (32)	242	16.9 (18)	16.5 (41)	366	15.3 (18)

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

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

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

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

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

\* 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.

# WIC PNNS & PedNSS

## Table 6F

### 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

#### Michigan

#### Comparison of Growth and Anemia Indicators by Local Agency

#### Children Aged < 5 Years <sup>(2)</sup>

#### Comparison of Growth and Anemia Indicators <sup>(3,4)</sup>

Local Agency	Birth Weight <sup>(5)</sup>			Height and Weight <sup>(6,7)</sup>							Anemia Low Hb/Hct <sup>(8)</sup>	
	Low	High		Short Stature	Under- Weight	Obese	≥ 2 Yrs Overweight and Obese					
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
15Intercar	2,225	9.3 (21)	9.2 (37)	10,215	6.0 (5)	2.8 (23)	11.9 (37)	4,614	16.1 (13)	15.1 (30)	7,081	31.6 (44)
17Chippewa	209	3.8 (1)	9.1 (33)	904	6.3 (9)	4.2 (41)	14.7 (45)	394	16.0 (12)	18.0 (44)	582	28.4 (41)
19Mid-Mich	687	8.4 (15)	6.8 (16)	3,010	9.0 (43)	2.4 (13)	11.2 (31)	1,224	17.3 (28)	14.2 (20)	2,081	4.9 (1)
21Delta	254	10.2 (28)	9.4 (39)	1,171	8.3 (34)	2.5 (16)	9.5 (6)	504	16.7 (16)	11.9 (4)	797	9.5 (3)
22Iron	187	8.6 (17)	8.0 (24)	854	6.4 (11)	3.5 (33)	10.3 (14)	370	17.8 (31)	15.4 (34)	577	19.8 (29)
25Genesee	2,491	13.3 (43)	5.7 (6)	10,264	9.4 (44)	3.0 (27)	10.9 (23)	4,185	15.9 (10)	12.2 (7)	6,788	24.5 (38)
30HDI	495	14.5 (45)	5.9 (8)	2,131	6.1 (8)	3.7 (35)	11.6 (34)	960	17.0 (23)	14.4 (23)	1,504	15.2 (17)
32Huron	119	7.6 (10)	16.8 (46)	643	8.9 (40)	2.6 (20)	14.0 (43)	260	13.8 (1)	15.8 (40)	468	13.5 (13)
33Ingham	1,573	10.4 (33)	6.7 (15)	6,370	8.9 (40)	3.2 (29)	10.3 (14)	2,606	17.2 (27)	13.5 (16)	4,204	15.6 (20)
35Keweenaw	41	*	*	212	7.1 (14)	1.4 (2)	20.8 (47)	100	23.0 (46)	23.0 (46)	143	18.2 (24)
37Ionia	307	9.8 (26)	6.2 (12)	1,467	5.8 (4)	4.4 (42)	10.9 (23)	637	19.2 (38)	12.7 (10)	1,065	11.7 (7)
38Jackson	954	10.3 (30)	6.9 (17)	4,126	5.6 (2)	6.7 (46)	9.6 (9)	1,786	17.7 (30)	15.0 (29)	2,694	21.1 (32)
39Kalamazo	1,245	10.3 (30)	8.0 (24)	5,466	5.7 (3)	3.9 (38)	10.9 (23)	2,345	17.1 (25)	13.4 (15)	3,772	36.6 (46)
41Kent	3,224	11.4 (37)	7.2 (19)	14,537	9.4 (44)	2.3 (12)	10.8 (22)	6,224	15.7 (8)	13.0 (14)	9,825	18.2 (24)

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

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(4) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

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

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

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

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

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# WIC PNNS & PedNSS

## Table 6F

### 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Growth and Anemia Indicators by Local Agency

#### Children Aged < 5 Years <sup>(2)</sup>

#### Comparison of Growth and Anemia Indicators <sup>(3,4)</sup>

Local Agency	Birth Weight <sup>(5)</sup>			Height and Weight <sup>(6,7)</sup>							Anemia Low Hb/Hct <sup>(8)</sup>	
	Low	High		Short Stature	Under- Weight	Obese	≥ 2 Yrs Overweight and Obese					
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
43DHD#10	1,487	9.3 (21)	8.1 (27)	6,624	7.7 (29)	2.0 (9)	11.5 (33)	2,957	17.0 (23)	14.5 (26)	4,659	17.2 (22)
44Lapeer	343	9.0 (20)	7.9 (23)	1,527	7.0 (13)	1.7 (3)	9.2 (5)	655	16.9 (18)	15.1 (30)	1,035	14.6 (15)
45Tuscola	328	7.3 (7)	10.7 (43)	1,342	6.4 (11)	2.4 (13)	9.1 (3)	564	16.5 (15)	13.5 (16)	885	9.9 (4)
46CAA	429	6.3 (4)	8.4 (28)	1,836	7.4 (23)	2.5 (16)	11.8 (36)	759	19.9 (42)	16.7 (42)	1,096	24.9 (39)
47Livingst	361	11.9 (39)	10.5 (42)	1,478	8.9 (40)	2.2 (11)	8.2 (1)	623	18.0 (36)	11.4 (1)	978	9.4 (2)
50Macomb	2,510	10.6 (35)	4.8 (4)	9,851	7.4 (23)	2.4 (13)	11.0 (28)	3,840	14.9 (4)	12.8 (11)	6,400	21.1 (32)
51DCS	523	9.8 (26)	6.1 (10)	2,334	7.5 (26)	1.7 (3)	10.9 (23)	956	15.9 (10)	15.4 (34)	1,609	16.7 (21)
52Marquett	247	10.5 (34)	6.1 (10)	1,030	10.5 (47)	3.2 (29)	12.3 (38)	468	21.6 (44)	14.1 (18)	598	11.9 (8)
56MMCAA	309	7.4 (9)	9.1 (33)	1,379	8.6 (38)	1.9 (7)	14.1 (44)	530	19.6 (41)	14.7 (28)	883	17.6 (23)
58Monroe	562	7.3 (7)	6.6 (14)	2,376	7.2 (18)	2.6 (20)	10.5 (17)	966	16.9 (18)	15.5 (38)	1,562	18.2 (24)
61Muskegon	1,313	11.7 (38)	5.8 (7)	5,338	8.1 (32)	2.5 (16)	12.6 (39)	2,255	17.9 (34)	14.4 (23)	3,683	29.4 (43)
63Oakland	2,821	12.0 (40)	5.6 (5)	12,676	8.0 (31)	2.6 (20)	9.5 (6)	5,280	15.2 (5)	11.8 (3)	8,599	24.0 (36)
73Saginaw	824	9.7 (24)	5.9 (8)	3,183	6.0 (5)	4.1 (39)	11.1 (29)	1,217	17.8 (31)	12.9 (12)	2,021	22.3 (35)
74St Clair	677	8.7 (18)	9.3 (38)	2,845	8.3 (34)	1.9 (7)	10.4 (16)	1,212	19.5 (40)	14.3 (21)	1,835	12.6 (11)

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

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

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

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

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

\* 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.

# WIC PNNS & PedNSS

## Table 6F

### 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

#### Michigan

#### Comparison of Growth and Anemia Indicators by Local Agency

#### Children Aged < 5 Years <sup>(2)</sup>

#### Comparison of Growth and Anemia Indicators <sup>(3,4)</sup>

Local Agency	Birth Weight <sup>(5)</sup>			Height and Weight <sup>(6,7)</sup>						Anemia Low Hb/Hct <sup>(8)</sup>		
	Low	High		Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese					
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
76Sanilac	175	5.7 (2)	10.3 (40)	782	10.1 (46)	1.2 (1)	16.8 (46)	332	23.5 (47)	24.4 (47)	541	20.7 (31)
78Shiawass	325	10.2 (28)	8.0 (24)	1,554	6.3 (9)	3.7 (35)	10.6 (18)	712	17.8 (31)	15.2 (32)	1,105	15.4 (19)
81Washtena	907	13.0 (42)	4.7 (3)	4,149	7.1 (14)	3.4 (31)	8.2 (1)	1,747	16.4 (14)	12.2 (7)	2,924	28.5 (42)
82Wayne	4,897	11.0 (36)	6.5 (13)	20,195	7.3 (21)	2.5 (16)	9.9 (10)	8,036	14.6 (3)	11.7 (2)	12,887	25.0 (40)
89Urban L	3,093	15.6 (46)	3.6 (1)	12,772	7.7 (29)	6.0 (45)	10.1 (12)	5,021	15.5 (6)	12.9 (12)	8,376	42.5 (47)
90Detroit	5,836	13.6 (44)	4.1 (2)	21,424	7.2 (18)	3.7 (35)	9.5 (6)	8,810	14.4 (2)	12.3 (9)	13,547	31.9 (45)
<b>Michigan</b>	<b>48,804</b>	<b>11.0</b>	<b>6.6</b>	<b>205,990</b>	<b>7.6</b>	<b>3.2</b>	<b>10.7</b>	<b>85,908</b>	<b>16.3</b>	<b>13.5</b>	<b>136,909</b>	<b>23.4</b>
<b>National (Prior Year)</b>	<b>64,446</b>	<b>10.8</b>	<b>7.0</b>	<b>313,489</b>	<b>7.4</b>	<b>2.9</b>	<b>10.9</b>	<b>133,678</b>	<b>16.4</b>	<b>13.4</b>	<b>211,699</b>	<b>19.3</b>

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

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

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

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

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

\* 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.

# WIC PNNS & PedNSS

## Table 7F

### 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency <sup>(2)</sup>

### Children Aged < 5 Years <sup>(3)</sup>

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household <sup>(4,5)</sup>

Local Agency	Breastfeeding <sup>(6)</sup>				Exclusive Breastfeeding <sup>(7)</sup>				≤ 2 Hours TV Viewing/Day <sup>(8)</sup>		Smoking in Household			
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% (Rank)	Number	% (Rank)		
01DHD#2	385	66.8 (35)	317	31.5 (30)	249	10.0 (36)	224	17.4 (28)	270	9.6 (28)	819	91.7 (5)	1,643	5.4 (42)
02LMAS	160	73.8 (22)	111	33.3 (24)	138	11.6 (32)	67	*	95	*	330	82.4 (34)	709	2.5 (19)
04DHD#4	338	74.9 (18)	270	35.2 (22)	305	12.5 (29)	207	23.7 (12)	231	16.9 (6)	745	80.0 (38)	1,527	5.7 (43)
05NWMCHA	535	79.6 (9)	440	43.2 (4)	395	19.0 (10)	295	37.3 (4)	374	19.3 (3)	1,309	85.6 (28)	2,531	4.2 (36)
06CMDHD	993	73.2 (23)	805	38.1 (14)	730	14.1 (23)	524	21.8 (15)	662	12.7 (14)	2,228	90.3 (11)	4,387	5.7 (43)
07West UP	263	79.5 (10)	231	42.4 (5)	221	24.4 (1)	149	27.5 (7)	204	15.2 (8)	638	88.1 (21)	1,259	3.0 (25)
08Barry	507	81.7 (5)	436	37.4 (15)	325	17.8 (12)	286	21.3 (16)	369	10.3 (23)	1,134	85.7 (27)	2,269	2.3 (18)
09Bay	509	71.3 (30)	335	32.8 (26)	398	12.3 (30)	208	21.2 (17)	286	7.0 (34)	1,164	88.4 (19)	2,359	2.2 (16)
10Gr Trav	410	84.1 (1)	279	52.7 (1)	305	23.0 (2)	148	41.9 (1)	220	19.1 (4)	737	90.0 (14)	1,640	1.9 (11)
11Berrien	808	68.4 (34)	551	27.9 (38)	442	12.9 (27)	457	17.3 (29)	476	9.9 (27)	1,656	77.7 (41)	3,473	4.2 (36)
12BHS	980	80.0 (8)	748	40.6 (8)	625	15.2 (18)	504	23.8 (11)	591	13.2 (12)	2,073	84.8 (32)	4,256	3.8 (31)
13Calhoun	890	71.2 (31)	615	28.6 (37)	660	12.3 (30)	440	15.9 (31)	502	10.0 (26)	2,025	91.0 (10)	4,004	1.5 (5)
14Leelanau	125	84.0 (3)	92	*	76	*	58	*	72	*	289	87.2 (23)	581	5.7 (43)

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

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

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

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

(8) Children aged 2 years and older included in the analyses.

\* 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.

# WIC PNNS & PedNSS

## Table 7F

### 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

#### Michigan

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency <sup>(2)</sup>

#### Children Aged < 5 Years <sup>(3)</sup>

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household <sup>(4,5)</sup>

Local Agency	Breastfeeding <sup>(6)</sup>				Exclusive Breastfeeding <sup>(7)</sup>				≤ 2 Hours TV Viewing/Day <sup>(8)</sup>		Smoking in Household			
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% (Rank)	Number	% (Rank)		
15Inter-car	2,251	75.3 (17)	1,572	36.2 (18)	1,735	14.8 (19)	1,030	23.5 (13)	1,266	12.5 (15)	5,274	91.9 (4)	10,382	1.1 (3)
17Chippewa	210	72.4 (25)	153	49.7 (2)	155	20.6 (4)	105	41.0 (2)	132	31.8 (1)	465	91.6 (8)	926	11.4 (47)
19Mid-Mich	688	78.1 (11)	565	38.4 (13)	422	22.3 (3)	400	24.0 (10)	484	10.1 (25)	1,470	85.8 (26)	3,063	2.8 (24)
21Delta	255	72.2 (26)	185	27.6 (39)	214	8.4 (40)	141	16.3 (30)	161	6.8 (35)	602	91.7 (5)	1,200	3.8 (31)
22Iron	187	74.3 (21)	123	40.7 (7)	132	19.7 (8)	115	40.0 (3)	108	20.4 (2)	447	88.1 (21)	871	3.2 (27)
25Genesee	2,502	57.4 (43)	1,974	25.4 (42)	1,598	9.2 (38)	1,410	10.8 (37)	1,585	6.2 (39)	4,907	80.7 (36)	10,460	2.6 (22)
30HDI	496	57.3 (44)	382	22.3 (44)	296	5.1 (45)	310	8.7 (39)	348	5.5 (41)	1,129	76.6 (43)	2,218	2.7 (23)
32Huron	119	80.7 (6)	106	31.1 (33)	118	14.4 (21)	67	*	93	*	313	88.2 (20)	657	4.0 (35)
33Ingham	1,585	76.7 (13)	1,162	44.1 (3)	981	18.7 (11)	779	19.1 (21)	910	13.1 (13)	3,040	88.9 (17)	6,409	1.7 (6)
35Keweenaw	41	*	36	*	33	*	21	*	27	*	95	*	190	5.3 (40)
37Ionia	308	84.1 (1)	276	36.2 (18)	295	16.3 (16)	169	26.0 (9)	233	15.5 (7)	754	87.1 (24)	1,496	2.5 (19)
38Jackson	958	72.7 (24)	907	35.3 (21)	728	11.1 (33)	504	18.8 (22)	734	12.4 (16)	2,138	79.1 (40)	4,249	3.9 (34)
39Kalamazo	1,258	71.1 (32)	973	33.4 (23)	774	14.0 (24)	681	18.5 (25)	799	8.8 (30)	2,693	77.4 (42)	5,598	2.2 (16)

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

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

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

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

(8) Children aged 2 years and older included in the analyses.

\* 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.

# WIC PNNS & PedNSS

## Table 7F

### 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

#### Michigan

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency <sup>(2)</sup>

#### Children Aged < 5 Years <sup>(3)</sup>

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household <sup>(4,5)</sup>

Local Agency	Breastfeeding <sup>(6)</sup>				Exclusive Breastfeeding <sup>(7)</sup>				≤ 2 Hours TV Viewing/Day <sup>(8)</sup>		Smoking in Household			
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% (Rank)	Number	% (Rank)		
41Kent	3,255	74.8 (19)	2,999	32.5 (28)	2,308	16.9 (15)	2,021	15.9 (31)	2,508	10.2 (24)	7,277	85.1 (31)	14,854	1.8 (9)
43DHD#10	1,490	77.9 (12)	1,017	40.1 (9)	1,225	17.6 (13)	670	30.3 (6)	879	13.4 (10)	3,486	89.6 (15)	6,843	3.6 (29)
44Lapeer	345	76.2 (15)	263	36.1 (20)	276	15.6 (17)	194	18.6 (24)	228	7.5 (33)	765	90.2 (12)	1,557	0.6 (1)
45Tuscola	329	71.7 (28)	274	39.8 (10)	216	14.4 (21)	171	18.7 (23)	218	6.4 (37)	672	89.0 (16)	1,366	3.7 (30)
46CAA	432	64.1 (37)	286	36.7 (17)	281	13.5 (25)	229	27.5 (7)	239	13.4 (10)	876	85.6 (28)	1,862	3.8 (31)
47Livingst	362	76.5 (14)	294	32.0 (29)	225	19.6 (9)	221	20.4 (19)	257	11.3 (21)	719	91.7 (5)	1,514	1.3 (4)
50Macomb	2,530	60.3 (39)	1,843	26.4 (41)	1,681	10.4 (34)	1,455	12.1 (36)	1,566	6.8 (35)	4,441	82.2 (35)	10,045	1.9 (11)
51DCS	529	72.2 (26)	387	32.6 (27)	441	14.5 (20)	198	20.2 (20)	284	10.9 (22)	1,127	86.7 (25)	2,418	1.7 (6)
52Marquett	248	82.3 (4)	153	38.6 (12)	179	17.3 (14)	94	*	133	12.0 (19)	574	91.6 (8)	1,106	2.5 (19)
56MMCAA	310	76.1 (16)	270	39.6 (11)	220	20.0 (6)	232	30.6 (5)	236	17.8 (5)	627	92.3 (3)	1,358	1.7 (6)
58Monroe	562	63.7 (38)	446	29.4 (35)	431	10.4 (34)	322	15.2 (33)	387	8.0 (32)	1,130	88.7 (18)	2,441	3.2 (27)
61Muskegon	1,324	64.4 (36)	960	30.7 (34)	916	8.6 (39)	678	17.7 (27)	764	8.8 (30)	2,606	76.2 (44)	5,533	5.8 (46)
63Oakland	2,847	71.4 (29)	2,531	33.0 (25)	1,870	13.2 (26)	1,746	18.0 (26)	2,139	12.1 (18)	6,230	85.3 (30)	12,928	1.0 (2)

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

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

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

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

(8) Children aged 2 years and older included in the analyses.

\* 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.

# WIC PNNS & PedNSS

## Table 7F

### 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

#### Michigan

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency <sup>(2)</sup>

#### Children Aged < 5 Years <sup>(3)</sup>

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household <sup>(4,5)</sup>

Local Agency	Breastfeeding <sup>(6)</sup>				Exclusive Breastfeeding <sup>(7)</sup>				≤ 2 Hours TV Viewing/Day <sup>(8)</sup>		Smoking in Household			
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% (Rank)		
73Saginaw	820	60.2 (40)	633	28.9 (36)	505	7.9 (41)	438	14.8 (34)	493	9.5 (29)	1,360	84.3 (33)	3,184	2.0 (15)
74St Clair	682	68.9 (33)	525	31.2 (32)	452	12.6 (28)	363	21.2 (17)	450	12.4 (16)	1,458	80.7 (36)	2,920	4.6 (39)
76Sanilac	175	53.7 (45)	159	31.4 (31)	141	7.8 (42)	92	*	129	11.6 (20)	402	93.8 (1)	823	3.0 (25)
78Shiawass	326	74.5 (20)	305	37.4 (15)	272	20.6 (4)	189	14.3 (35)	250	6.4 (37)	765	92.4 (2)	1,593	1.9 (11)
81Washtena	910	80.1 (7)	800	40.8 (6)	657	19.9 (7)	538	23.4 (14)	665	14.1 (9)	2,062	90.1 (13)	4,221	1.8 (9)
82Wayne	4,980	59.6 (41)	4,010	27.0 (40)	3,017	9.8 (37)	3,036	9.7 (38)	3,463	6.0 (40)	9,508	80.0 (38)	20,546	1.9 (11)
89Urban L	3,250	59.2 (42)	2,679	21.8 (45)	1,734	6.9 (43)	2,147	8.7 (39)	2,322	3.8 (43)	5,901	64.1 (46)	13,184	5.3 (40)
90Detroit	5,879	50.8 (46)	3,557	23.0 (43)	3,134	6.8 (44)	2,599	8.3 (41)	3,055	4.5 (42)	10,073	69.1 (45)	22,157	4.5 (38)
<b>Michigan</b>	<b>49,377</b>	<b>66.8</b>	<b>38,049</b>	<b>31.4</b>	<b>32,543</b>	<b>12.7</b>	<b>26,949</b>	<b>16.3</b>	<b>31,907</b>	<b>9.2</b>	<b>100,561</b>	<b>82.1</b>	<b>210,908</b>	<b>2.9</b>
<b>National (Prior Year)</b>	<b>64,536</b>	<b>70.2</b>	<b>56,977</b>	<b>28.6</b>	<b>47,523</b>	<b>14.6</b>	<b>45,032</b>	<b>16.4</b>	<b>50,544</b>	<b>8.8</b>	<b>141,591</b>	<b>83.5</b>	<b>295,248</b>	<b>3.4</b>

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

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

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

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

(8) Children aged 2 years and older included in the analyses.

\* 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.

# WIC PNNS & PedNSS

## Table 6F

### 2016 - 2018 Pediatric Nutrition Surveillance (1)

#### Michigan

#### Comparison of Growth and Anemia Indicators by Local Agency

#### Children Aged < 5 Years (2)

#### Combined 3 Years

#### Comparison of Growth and Anemia Indicators (3,4)

Local Agency	Birth Weight (5)			Height and Weight (6,7)							Anemia Low Hb/Hct (8)	
	Low	High		Short Stature	Under- Weight	Obese	≥ 2 Yrs Overweight and Obese					
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
01DHD#2	1,038	9.1 (19)	9.3 (38)	4,802	7.0 (17)	2.6 (20)	11.3 (31)	2,026	17.1 (21)	15.1 (35)	3,347	22.1 (32)
02LMAS	448	11.8 (42)	10.5 (45)	2,059	5.5 (3)	4.7 (45)	10.7 (21)	881	17.1 (21)	17.5 (47)	1,441	14.5 (18)
04DHD#4	975	8.7 (15)	10.6 (46)	4,517	7.4 (27)	2.8 (28)	11.7 (36)	1,941	18.1 (37)	15.7 (40)	3,107	18.1 (26)
05NWMCHA	1,416	8.3 (12)	8.8 (34)	7,635	6.5 (12)	4.2 (43)	11.4 (33)	3,428	15.9 (9)	13.7 (18)	5,325	12.1 (12)
06CMDHD	2,727	8.0 (6)	8.1 (26)	12,996	7.0 (17)	2.6 (20)	10.5 (14)	5,725	17.6 (30)	15.0 (32)	9,014	12.4 (13)
07West UP	718	7.8 (4)	7.9 (23)	3,588	7.4 (27)	2.4 (16)	10.6 (18)	1,564	16.4 (13)	13.1 (13)	2,438	8.0 (3)
08Barry	1,377	8.6 (14)	7.8 (21)	6,966	7.5 (31)	3.0 (32)	11.6 (35)	3,027	19.3 (46)	14.4 (28)	4,619	10.2 (7)
09Bay	1,467	8.2 (10)	10.0 (42)	7,035	8.1 (40)	1.6 (2)	12.9 (44)	3,021	18.7 (42)	16.7 (46)	5,028	11.0 (9)
10Gr Trav	1,200	10.1 (30)	10.8 (47)	4,756	4.5 (1)	6.5 (49)	8.3 (1)	1,980	18.9 (43)	11.7 (2)	3,044	22.2 (33)
11Berrien	2,330	9.4 (23)	7.5 (20)	10,177	7.4 (27)	3.6 (38)	9.9 (8)	4,134	17.2 (24)	12.9 (11)	6,933	17.6 (24)
12BHS	2,735	7.3 (3)	8.2 (27)	12,889	8.1 (40)	1.8 (8)	12.4 (41)	5,627	16.4 (13)	14.1 (24)	8,852	8.9 (5)
13Calhoun	2,532	9.9 (27)	7.3 (18)	12,097	7.9 (38)	3.3 (34)	13.1 (45)	5,452	18.0 (35)	15.0 (32)	8,623	26.2 (41)
14Leelanau	355	6.8 (2)	9.9 (41)	1,693	6.1 (9)	4.4 (44)	11.5 (34)	708	17.7 (32)	15.1 (35)	1,160	13.9 (16)
15Inter-car	6,404	9.1 (19)	9.8 (39)	31,872	5.7 (5)	2.7 (25)	12.0 (37)	14,553	17.1 (21)	14.6 (29)	22,631	28.7 (45)

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

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

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

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

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

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

# WIC PNNS & PedNSS

## Table 6F

### 2016 - 2018 Pediatric Nutrition Surveillance (1)

#### Michigan

#### Comparison of Growth and Anemia Indicators by Local Agency

#### Children Aged < 5 Years (2)

#### Combined 3 Years

#### Comparison of Growth and Anemia Indicators (3,4)

Local Agency	Birth Weight (5)			Height and Weight (6,7)						Anemia Low Hb/Hct (8)		
	Low	High		Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese					
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
17Chippewa	564	7.8 (4)	11.2 (48)	2,770	6.4 (11)	3.4 (35)	14.0 (47)	1,241	15.9 (9)	16.0 (45)	1,831	23.4 (37)
19Mid-Mich	1,953	8.9 (18)	8.0 (24)	9,343	8.1 (40)	2.2 (13)	10.7 (21)	3,904	17.2 (24)	13.6 (17)	6,612	4.7 (1)
21Delta	765	9.9 (27)	8.8 (34)	3,763	6.9 (14)	2.6 (20)	9.9 (8)	1,666	15.9 (9)	12.1 (5)	2,599	5.9 (2)
22Iron	548	9.3 (22)	8.2 (27)	2,653	6.9 (14)	2.8 (28)	10.6 (18)	1,178	17.2 (24)	14.0 (23)	1,812	18.0 (25)
25Genesee	7,284	12.5 (45)	5.3 (5)	30,872	9.1 (47)	2.7 (25)	10.7 (21)	12,645	15.7 (7)	12.3 (7)	20,510	23.7 (39)
30HDI	1,393	13.9 (48)	5.2 (4)	6,325	6.3 (10)	2.8 (28)	12.1 (39)	2,882	17.8 (33)	13.8 (21)	4,562	13.9 (16)
32Huron	415	8.7 (15)	13.5 (49)	2,001	8.2 (43)	2.0 (11)	14.1 (48)	818	17.8 (33)	15.5 (38)	1,419	12.0 (11)
33Ingham	4,459	10.9 (37)	6.5 (12)	19,071	7.7 (36)	3.6 (38)	10.0 (11)	7,897	16.1 (12)	13.3 (15)	12,852	14.5 (18)
35Keweenaw	137	8.0 (6)	10.2 (44)	664	7.2 (21)	1.5 (1)	23.5 (49)	306	21.6 (49)	26.8 (49)	420	26.4 (42)
37Ionia	929	10.3 (32)	7.4 (19)	4,406	5.3 (2)	4.8 (46)	10.8 (26)	1,881	18.2 (38)	14.3 (27)	3,139	11.5 (10)
38Jackson	2,650	10.3 (32)	6.9 (16)	12,366	5.6 (4)	5.5 (47)	10.4 (13)	5,472	18.5 (40)	15.8 (42)	8,403	24.2 (40)
39Kalamazo	2,730	10.2 (31)	9.0 (36)	11,737	5.7 (5)	3.9 (42)	10.8 (26)	4,927	17.6 (30)	13.1 (13)	8,145	32.9 (48)
40Kal Fam	1,024	11.3 (40)	6.2 (10)	5,670	6.7 (13)	3.0 (32)	11.2 (29)	2,667	17.0 (20)	13.5 (16)	4,102	29.6 (46)
41Kent	9,454	11.4 (41)	7.1 (17)	45,530	8.8 (46)	2.3 (14)	10.5 (14)	19,719	15.8 (8)	12.4 (9)	31,319	17.3 (23)

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

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

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

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

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

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



# WIC PNNS & PedNSS

## Table 6F

### 2016 - 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

#### Michigan

#### Comparison of Growth and Anemia Indicators by Local Agency

#### Children Aged < 5 Years <sup>(2)</sup>

#### Combined 3 Years

#### Comparison of Growth and Anemia Indicators <sup>(3,4)</sup>

Local Agency	Birth Weight <sup>(5)</sup>			Height and Weight <sup>(6,7)</sup>						Anemia Low Hb/Hct <sup>(8)</sup>		
	Low	High		Short Stature	Under- Weight	Obese		≥ 2 Yrs Overweight and Obese				
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
43DHD#10	4,284	8.8 (17)	8.2 (27)	20,550	7.3 (25)	1.8 (8)	11.2 (29)	9,222	17.5 (29)	14.8 (30)	14,652	18.2 (28)
44Lapeer	964	10.0 (29)	8.0 (24)	4,794	7.6 (32)	1.9 (10)	9.9 (8)	2,082	17.2 (24)	15.8 (42)	3,403	13.6 (14)
45Tuscola	845	8.0 (6)	10.1 (43)	3,999	7.0 (17)	2.4 (16)	9.1 (4)	1,761	15.3 (6)	13.7 (18)	2,833	10.6 (8)
46CAA	1,292	8.0 (6)	8.5 (31)	5,703	7.3 (25)	2.6 (20)	11.0 (28)	2,295	19.2 (45)	14.9 (31)	3,474	23.5 (38)
47Livingst	967	9.8 (26)	9.0 (36)	4,589	7.6 (32)	1.7 (5)	8.9 (2)	1,996	18.2 (38)	12.0 (4)	3,146	8.6 (4)
50Macomb	6,997	12.2 (43)	5.0 (3)	29,784	7.2 (21)	2.3 (14)	10.7 (21)	11,955	14.6 (2)	12.9 (11)	19,764	22.3 (34)
51CFHC	657	10.7 (35)	6.7 (13)	2,770	7.2 (21)	2.1 (12)	10.5 (14)	1,071	17.4 (28)	15.9 (44)	1,814	21.4 (31)
51DCS	966	9.6 (25)	6.8 (14)	4,755	7.6 (32)	1.7 (5)	11.3 (31)	1,956	16.8 (19)	15.0 (32)	3,391	19.2 (29)
52Marquett	668	10.6 (34)	8.5 (31)	3,099	10.0 (49)	3.4 (35)	12.6 (43)	1,397	19.3 (46)	13.7 (18)	1,879	9.9 (6)
56MMCAA	1,040	8.2 (10)	9.8 (39)	4,600	8.6 (45)	1.6 (2)	13.7 (46)	1,826	19.6 (48)	14.2 (26)	2,971	14.8 (20)
58Monroe	1,669	9.1 (19)	6.8 (14)	7,478	7.6 (32)	2.5 (18)	10.6 (18)	3,103	16.7 (18)	15.1 (35)	5,079	15.7 (22)
61Muskegon	3,768	11.0 (38)	5.6 (6)	16,285	7.8 (37)	2.9 (31)	12.1 (39)	6,999	16.6 (17)	13.8 (21)	11,401	28.3 (44)
63Oakland	8,272	13.1 (46)	5.8 (8)	38,328	8.4 (44)	2.5 (18)	9.7 (7)	15,881	15.2 (5)	12.1 (5)	26,409	22.6 (35)
73Saginaw	2,455	11.2 (39)	6.1 (9)	10,133	5.8 (7)	3.4 (35)	12.0 (37)	4,095	16.4 (13)	14.1 (24)	6,819	20.9 (30)

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

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

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

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

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

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

# WIC PNNS & PedNSS

## Table 6F

### 2016 - 2018 Pediatric Nutrition Surveillance (1)

#### Michigan

#### Comparison of Growth and Anemia Indicators by Local Agency

#### Children Aged < 5 Years (2)

#### Combined 3 Years

#### Comparison of Growth and Anemia Indicators (3,4)

Local Agency	Birth Weight (5)			Height and Weight (6,7)						Anemia Low Hb/Hct (8)		
	Low	High		Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese					
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
74St Clair	1,957	8.3 (12)	8.6 (33)	8,831	7.9 (38)	1.7 (5)	10.5 (14)	3,802	18.9 (43)	15.5 (38)	5,960	13.6 (14)
76Sanilac	529	6.4 (1)	7.8 (21)	2,439	9.4 (48)	1.6 (2)	12.5 (42)	999	18.6 (41)	18.0 (48)	1,666	18.1 (26)
78Shiawass	964	9.5 (24)	8.3 (30)	4,876	5.9 (8)	3.7 (40)	10.7 (21)	2,211	18.0 (35)	15.7 (40)	3,509	15.1 (21)
81Washtena	2,828	12.2 (43)	5.7 (7)	13,233	7.4 (27)	2.6 (20)	9.0 (3)	5,601	16.4 (13)	12.7 (10)	9,399	26.4 (42)
82Wayne	13,702	10.8 (36)	6.4 (11)	60,865	7.0 (17)	2.7 (25)	9.5 (6)	24,576	14.6 (2)	11.4 (1)	39,762	23.2 (36)
89Urban L	8,574	15.0 (49)	3.7 (1)	37,877	7.2 (21)	6.1 (48)	10.0 (11)	15,574	14.7 (4)	12.3 (7)	25,782	43.9 (49)
90Detroit	16,484	13.7 (47)	4.1 (2)	68,183	6.9 (14)	3.7 (40)	9.4 (5)	28,826	14.4 (1)	11.9 (3)	44,907	29.9 (47)
<b>Michigan</b>	<b>139,977</b>	<b>11.1</b>	<b>6.6</b>	<b>633,571</b>	<b>7.4</b>	<b>3.1</b>	<b>10.6</b>	<b>268,553</b>	<b>16.2</b>	<b>14.0</b>	<b>431,403</b>	<b>22.4</b>

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

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

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

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

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

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

# WIC PNNS & PedNSS

## Table 7F

### 2016 - 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

#### Michigan

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency <sup>(2)</sup>

#### Children Aged < 5 Years <sup>(3)</sup>

#### Combined 3 Years

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household <sup>(4,5)</sup>

Local Agency	Breastfeeding <sup>(6)</sup>				Exclusive Breastfeeding <sup>(7)</sup>				≤ 2 Hours TV Viewing/Day <sup>(8)</sup>		Smoking in Household			
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% (Rank)	Number	% (Rank)		
01DHD#2	1,040	66.3 (38)	917	26.1 (35)	818	10.9 (37)	684	16.4 (31)	806	9.3 (29)	2,478	89.9 (14)	4,939	6.2 (48)
02LMAS	448	73.9 (22)	360	30.0 (25)	380	12.9 (28)	242	23.1 (13)	327	10.7 (22)	1,051	83.6 (37)	2,109	4.4 (38)
04DHD#4	980	69.6 (33)	823	31.6 (17)	895	12.4 (33)	631	23.6 (11)	726	15.3 (6)	2,335	86.3 (30)	4,631	5.4 (43)
05NWMCHA	1,556	79.7 (9)	1,371	38.7 (4)	1,225	19.4 (7)	977	32.2 (4)	1,202	19.0 (2)	4,066	87.8 (23)	7,788	4.6 (40)
06CMDHD	2,737	73.0 (23)	2,412	31.6 (17)	2,370	13.9 (26)	1,731	21.8 (16)	2,134	11.9 (15)	6,862	90.1 (13)	13,300	5.9 (47)
07West UP	726	79.6 (11)	653	39.4 (3)	639	20.8 (3)	463	27.2 (8)	588	16.0 (5)	1,890	88.8 (19)	3,693	2.7 (19)
08Barry	1,446	79.7 (9)	1,407	30.8 (22)	1,155	15.5 (16)	949	19.6 (20)	1,264	11.7 (17)	3,608	86.9 (26)	7,142	2.3 (13)
09Bay	1,472	67.3 (37)	1,199	28.2 (30)	1,327	11.4 (35)	913	18.0 (26)	1,058	6.3 (41)	3,614	91.5 (7)	7,189	3.1 (24)
10Gr Trav	1,200	85.6 (1)	867	44.8 (1)	935	22.4 (2)	554	35.2 (1)	743	14.8 (7)	2,312	89.7 (17)	4,962	2.0 (8)
11Berrien	2,337	69.6 (33)	1,751	25.5 (37)	1,419	14.3 (22)	1,436	15.9 (33)	1,590	10.0 (25)	4,855	81.9 (39)	10,387	4.2 (34)
12BHS	2,764	79.8 (8)	2,342	32.4 (16)	2,110	14.3 (22)	1,711	21.0 (18)	1,998	11.5 (18)	6,604	84.6 (35)	13,168	3.5 (26)
13Calhoun	2,547	70.9 (28)	2,021	25.5 (37)	2,153	12.6 (31)	1,468	14.9 (37)	1,707	7.4 (36)	6,355	88.7 (20)	12,400	2.1 (11)
14Leelanau	357	84.0 (2)	297	40.4 (2)	260	23.5 (1)	209	30.1 (6)	249	12.4 (12)	843	85.9 (33)	1,734	4.9 (41)

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

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

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

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

(8) Children aged 2 years and older included in the analyses.

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

# WIC PNNS & PedNSS

## Table 7F

### 2016 - 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

#### Michigan

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency <sup>(2)</sup>

#### Children Aged < 5 Years <sup>(3)</sup>

#### Combined 3 Years

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household <sup>(4,5)</sup>

Local Agency	Breastfeeding <sup>(6)</sup>				Exclusive Breastfeeding <sup>(7)</sup>				≤ 2 Hours TV Viewing/Day <sup>(8)</sup>		Smoking in Household			
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% (Rank)	Number	% (Rank)		
15Intercar	6,505	75.4 (17)	4,931	32.7 (14)	5,731	15.7 (15)	3,473	23.3 (12)	4,192	13.1 (11)	16,712	92.5 (6)	32,410	1.5 (3)
17Chippewa	567	68.1 (35)	530	37.9 (7)	439	19.4 (7)	375	34.4 (2)	477	21.6 (1)	1,466	95.1 (1)	2,865	11.6 (49)
19Mid-Mich	1,960	81.6 (3)	1,776	35.2 (12)	1,437	19.1 (9)	1,296	25.6 (10)	1,557	11.8 (16)	4,672	86.0 (32)	9,512	3.5 (26)
21Delta	767	69.8 (31)	658	23.7 (40)	731	10.0 (39)	521	17.1 (29)	604	9.4 (27)	1,967	90.4 (12)	3,831	3.7 (29)
22Iron	550	76.2 (15)	465	38.5 (5)	425	19.5 (6)	370	34.1 (3)	413	16.7 (3)	1,409	90.9 (10)	2,703	2.0 (8)
25Genesee	7,313	57.4 (47)	6,361	21.1 (44)	4,851	9.1 (44)	4,571	11.0 (43)	5,227	6.8 (40)	14,761	80.4 (42)	31,510	3.3 (25)
30HDI	1,394	59.0 (45)	1,147	17.0 (49)	953	5.9 (48)	903	6.2 (47)	1,069	3.6 (47)	3,427	79.2 (44)	6,597	2.9 (23)
32Huron	417	76.0 (16)	383	30.8 (22)	354	14.1 (25)	277	13.0 (41)	351	4.6 (45)	984	88.3 (22)	2,042	4.2 (34)
33Ingham	4,517	77.6 (13)	3,551	36.1 (9)	2,982	18.2 (11)	2,485	19.3 (22)	2,973	11.1 (21)	9,267	89.8 (16)	19,296	2.6 (17)
35Keweenaw	138	80.4 (7)	112	35.7 (10)	109	17.4 (12)	72	*	97	*	342	86.8 (28)	657	3.8 (30)
37Ionia	934	80.7 (4)	899	30.0 (25)	919	14.8 (18)	628	20.5 (19)	804	12.2 (13)	2,249	86.9 (26)	4,513	3.8 (30)
38Jackson	2,661	71.9 (26)	2,769	28.9 (29)	2,261	10.7 (38)	1,690	17.9 (27)	2,384	9.0 (31)	6,540	79.8 (43)	12,780	4.5 (39)
39Kalamazo	2,756	72.6 (24)	2,154	29.5 (27)	1,806	14.6 (21)	1,662	19.4 (21)	1,877	9.4 (27)	5,778	78.2 (46)	12,083	2.6 (17)
40Kal Fam	1,040	62.0 (41)	954	19.0 (46)	796	9.5 (42)	727	14.9 (37)	895	7.6 (35)	3,107	77.3 (47)	5,819	3.5 (26)

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(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Rank compares one Local Agency's rate to other Local Agencies. Rank 1 = best rate.

(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

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

(8) Children aged 2 years and older included in the analyses.

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# WIC PNNS & PedNSS

## Table 7F

### 2016 - 2018 Pediatric Nutrition Surveillance <sup>(1)</sup>

#### Michigan

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency <sup>(2)</sup>

#### Children Aged < 5 Years <sup>(3)</sup>

#### Combined 3 Years

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household <sup>(4,5)</sup>

Local Agency	Breastfeeding <sup>(6)</sup>				Exclusive Breastfeeding <sup>(7)</sup>				≤ 2 Hours TV Viewing/Day <sup>(8)</sup>		Smoking in Household			
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% (Rank)	Number	% (Rank)		
41Kent	9,543	74.5 (19)	9,333	27.9 (32)	7,382	14.8 (18)	6,634	15.7 (35)	8,158	9.3 (29)	23,201	87.2 (24)	46,389	1.9 (6)
43DHD#10	4,298	77.4 (14)	3,361	32.7 (14)	3,863	16.0 (14)	2,429	26.0 (9)	3,041	13.4 (10)	10,967	88.5 (21)	21,101	4.2 (34)
44Lapeer	972	74.4 (20)	858	31.0 (21)	922	15.4 (17)	670	19.1 (24)	794	8.2 (33)	2,462	93.0 (5)	4,903	0.8 (1)
45Tuscola	847	72.4 (25)	772	34.1 (13)	679	12.8 (30)	501	17.2 (28)	664	5.1 (44)	2,107	91.2 (9)	4,086	3.8 (30)
46CAA	1,299	70.2 (30)	1,094	29.0 (28)	965	14.2 (24)	822	22.1 (15)	983	11.4 (19)	2,693	87.0 (25)	5,789	2.7 (19)
47Livingst	970	78.6 (12)	922	30.6 (24)	777	16.1 (13)	682	21.3 (17)	827	12.2 (13)	2,328	93.2 (3)	4,703	1.6 (4)
50Macomb	7,216	58.1 (46)	5,792	21.3 (43)	5,198	9.0 (45)	4,595	11.1 (42)	5,012	5.7 (42)	13,946	82.3 (38)	30,442	1.9 (6)
51CFHC	661	70.8 (29)	557	19.9 (45)	526	12.9 (28)	426	13.4 (40)	500	7.0 (38)	1,246	81.4 (40)	2,830	2.3 (13)
51DCS	974	71.9 (26)	885	31.5 (19)	935	13.8 (27)	551	17.1 (29)	678	9.9 (26)	2,343	86.4 (29)	4,931	2.0 (8)
52Marquett	673	80.5 (5)	464	38.1 (6)	620	20.3 (4)	276	31.5 (5)	417	13.9 (9)	1,661	90.5 (11)	3,244	2.8 (21)
56MMCAA	1,043	75.3 (18)	965	35.6 (11)	731	18.6 (10)	823	27.7 (7)	862	16.4 (4)	2,169	93.8 (2)	4,537	2.4 (15)
58Monroe	1,673	62.5 (40)	1,436	24.0 (39)	1,405	11.4 (35)	1,148	15.7 (35)	1,313	8.3 (32)	3,677	89.2 (18)	7,665	4.2 (34)
61Muskegon	3,795	65.1 (39)	2,825	25.9 (36)	2,922	9.8 (40)	2,305	15.8 (34)	2,422	8.2 (33)	8,134	79.2 (44)	16,816	5.6 (46)
63Oakland	8,400	69.8 (31)	7,720	28.0 (31)	5,682	12.6 (31)	5,834	16.0 (32)	6,915	10.7 (22)	18,690	86.2 (31)	39,182	1.3 (2)

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# WIC PNNS & PedNSS

## Table 7F

### 2016 - 2018 Pediatric Nutrition Surveillance (1)

#### Michigan

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency (2)

#### Children Aged < 5 Years (3)

#### Combined 3 Years

#### Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4,5)

Local Agency	Breastfeeding (6)				Exclusive Breastfeeding (7)				≤ 2 Hours TV Viewing/Day (8)		Smoking in Household			
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% (Rank)	Number	% (Rank)		
73Saginaw	2,455	59.4 (43)	2,038	21.4 (42)	1,627	7.4 (46)	1,542	11.0 (43)	1,746	7.0 (38)	4,660	85.1 (34)	10,231	2.8 (21)
74St Clair	1,967	67.4 (36)	1,766	27.8 (33)	1,613	11.8 (34)	1,225	19.3 (22)	1,578	10.2 (24)	4,549	84.1 (36)	9,071	4.9 (41)
76Sanilac	531	60.8 (42)	516	26.7 (34)	406	9.4 (43)	337	18.1 (25)	455	11.4 (19)	1,237	91.4 (8)	2,531	3.8 (30)
78Shiawass	966	74.3 (21)	975	31.4 (20)	905	14.8 (18)	633	14.5 (39)	822	7.4 (36)	2,427	93.1 (4)	4,983	2.4 (15)
81Washtena	2,840	80.5 (5)	2,618	37.6 (8)	2,251	20.3 (4)	1,913	23.1 (13)	2,299	14.0 (8)	6,662	89.9 (14)	13,447	1.6 (4)
82Wayne	14,133	59.2 (44)	12,403	22.6 (41)	9,527	9.6 (41)	9,495	8.9 (45)	11,118	5.4 (43)	29,018	81.3 (41)	61,989	2.2 (12)
89Urban L	8,946	53.7 (48)	7,708	17.5 (48)	5,390	5.9 (48)	6,550	6.9 (46)	6,919	3.9 (46)	18,285	67.5 (49)	39,022	5.4 (43)
90Detroit	16,624	49.5 (49)	11,867	18.3 (47)	10,231	6.7 (47)	9,600	6.1 (48)	10,745	3.5 (48)	33,182	72.7 (48)	70,403	5.5 (45)
<b>Michigan</b>	<b>142,034</b>	<b>66.0</b>	<b>120,017</b>	<b>26.4</b>	<b>104,061</b>	<b>12.2</b>	<b>90,052</b>	<b>15.0</b>	<b>105,604</b>	<b>8.5</b>	<b>315,263</b>	<b>83.4</b>	<b>648,558</b>	<b>3.3</b>

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