

# WIC PNNS & PedNSS

## Table 4F

### 2017 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 (3,4)	White, Not Hispanic  %	Black, Not Hispanic  %	Hispanic  %	American Indian/Alaska Native  %	Asian/Pacific Islander  %	Multiple Races  %	All Other/Unknown  %
01DHD#2	1,561	87.4	0.4	4.9	0.0	0.0	7.2	0.0
02LMAS	671	67.5	0.6	0.7	5.4	0.3	25.5	0.0
04DHD#4	1,494	87.8	0.5	3.6	0.1	0.3	7.7	0.0
05NWMCHA	2,480	88.9	0.5	2.8	1.7	0.6	5.5	0.0
06CMDHD	4,231	85.7	1.4	5.0	0.8	0.6	6.5	0.1
07West UP	1,139	87.8	1.1	2.1	0.4	1.4	7.1	0.1
08Barry	2,298	84.8	2.3	7.3	0.0	0.3	5.2	0.1
09Bay	2,311	70.5	2.4	15.5	0.0	0.3	11.3	0.0
10Gr Trav	1,523	81.6	0.7	8.5	0.5	0.4	8.3	0.1
11Berrien	3,303	44.0	38.5	8.6	0.3	0.6	7.6	0.4
12BHS	4,132	75.5	1.9	15.6	0.0	0.0	6.8	0.1
13Calhoun	3,988	49.9	19.3	9.3	0.1	6.4	14.8	0.1
14Leelanau	530	69.8	0.4	16.8	4.0	0.0	8.9	0.2
15Intercar	10,411	57.4	3.7	30.9	0.1	0.8	6.7	0.5
17Chippewa	921	45.9	0.0	3.1	17.5	0.4	32.9	0.1
19Mid-Mich	3,053	81.3	0.6	13.0	0.1	0.0	4.9	0.1
21Delta	1,233	77.6	0.3	4.1	0.2	0.2	17.6	0.0
22Iron	867	91.3	0.2	2.8	0.3	0.1	5.0	0.2
25Genesee	10,161	40.7	38.5	7.1	0.0	0.3	13.3	0.1
30HDI	2,129	10.5	53.9	29.4	0.0	0.3	5.8	0.0
32Huron	674	91.1	0.1	5.5	0.0	0.0	3.1	0.1

(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>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  %
33Ingham	6,248	33.1	24.8	20.0	0.1	6.4	15.4	0.1
35Keweenaw	231	3.5	0.0	4.8	75.3	0.0	16.5	0.0
37Ionia	1,440	84.0	0.2	10.6	0.0	0.1	5.1	0.0
38Jackson	4,023	60.3	13.7	8.7	0.1	0.3	16.9	0.0
39Kalamazo	3,775	45.5	28.6	11.8	0.0	0.5	13.3	0.3
40Kal Fam	2,099	31.5	43.6	12.4	0.0	1.3	11.1	0.1
41Kent	14,916	29.6	22.8	33.2	0.1	4.8	9.4	0.1
43DHD#10	6,707	77.5	1.5	13.7	0.2	0.1	6.8	0.1
44Lapeer	1,580	78.7	0.8	10.8	0.2	0.1	9.4	0.1
45Tuscola	1,302	86.0	0.6	8.7	0.2	0.0	4.4	0.1
46CAA	1,785	59.4	1.2	27.2	0.1	0.0	11.6	0.5
47Livingst	1,503	86.0	1.1	5.3	0.2	0.6	6.9	0.0
50Macomb	9,715	53.4	27.7	3.2	0.0	6.5	9.1	0.1
51DCS	2,516	64.5	9.6	13.6	0.0	1.4	10.7	0.2
52Marquett	1,007	80.4	0.3	4.1	1.1	0.7	13.2	0.2
56MMCAA	1,600	88.6	1.1	4.0	0.2	0.3	5.4	0.4
58Monroe	2,471	72.2	6.6	9.4	0.1	0.2	11.0	0.4
61Muskegon	5,350	48.5	24.7	13.5	0.2	0.1	12.7	0.1
63Oakland	12,672	42.2	31.7	15.1	0.1	2.3	8.5	0.1
73Saginaw	3,394	38.9	28.7	22.8	0.1	0.3	9.1	0.1
74St Clair	2,907	69.4	5.0	9.9	0.1	0.2	15.3	0.1

(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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### 2017 Pediatric Nutrition Surveillance <sup>(1)</sup>

### Michigan

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### 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 %
76Sanilac	845	86.7	0.6	8.4	0.0	0.1	4.1	0.0
78Shiawass	1,582	82.0	0.6	7.8	0.1	0.1	9.3	0.1
81Washtena	4,359	29.4	37.0	12.7	0.1	3.6	16.8	0.3
82Wayne	19,814	54.9	27.1	6.1	0.1	4.9	6.8	0.1
89Urban L	12,555	12.0	75.3	8.0	0.1	0.6	4.0	0.1
90Detroit	22,747	7.9	71.8	16.3	0.1	1.5	2.3	0.1
<b>Michigan</b>	<b>208,288</b>	<b>47.7</b>	<b>27.8</b>	<b>13.5</b>	<b>0.3</b>	<b>2.0</b>	<b>8.5</b>	<b>0.1</b>
<b>National (Prior Year)</b>	<b>580,278</b>	<b>46.9</b>	<b>23.4</b>	<b>18.4</b>	<b>1.4</b>	<b>2.2</b>	<b>7.6</b>	<b>0.1</b>

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## Table 5F

### 2017 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  %
01DHD#2	1,561	23.3	25.2	51.5
02LMAS	671	25.8	21.5	52.8
04DHD#4	1,494	24.7	22.7	52.6
05NWMCHA	2,480	23.9	22.2	54.0
06CMDHD	4,231	21.1	24.9	53.9
07West UP	1,139	24.1	22.3	53.6
08Barry	2,298	24.0	23.0	53.0
09Bay	2,311	20.3	27.8	52.0
10Gr Trav	1,523	25.9	25.7	48.4
11Berrien	3,303	31.4	20.7	48.0
12BHS	4,132	23.8	24.6	51.6
13Calhoun	3,988	21.8	24.1	54.1
14Leelanau	530	25.8	23.4	50.8
15Intercar	10,411	20.6	24.8	54.6
17Chippewa	921	23.7	22.9	53.4
19Mid-Mich	3,053	27.2	22.0	50.8
21Delta	1,233	20.3	24.9	54.8
22Iron	867	26.5	20.2	53.3
25Genesee	10,161	29.3	21.8	48.8
30HDI	2,129	26.3	20.2	53.5
32Huron	674	29.1	21.4	49.6

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35Keweenaw	231	26.4	20.3	53.2
37Ionia	1,440	21.5	26.9	51.7
38Jackson	4,023	22.2	24.2	53.6
39Kalamazo	3,775	29.0	22.0	49.0
40Kal Fam	2,099	21.3	21.8	56.8
41Kent	14,916	24.8	23.1	52.2
43DHD#10	6,707	21.3	24.3	54.4
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47Livingst	1,503	24.1	23.6	52.4
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51DCS	2,516	22.9	27.3	49.8
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58Monroe	2,471	25.7	25.1	49.3
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#### Comparison of Age Distribution by Local Agency

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

<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>
76Sanilac	845	25.7	21.9	52.4
78Shiawass	1,582	21.0	24.3	54.7
81Washtena	4,359	24.9	24.4	50.7
82Wayne	19,814	28.7	22.0	49.3
89Urban L	12,555	29.6	21.6	48.8
90Detroit	22,747	29.0	20.8	50.2
<b>Michigan</b>	<b>208,288</b>	<b>26.1</b>	<b>22.9</b>	<b>51.0</b>
<b>National (Prior Year)</b>	<b>580,278</b>	<b>34.0</b>	<b>20.7</b>	<b>45.2</b>

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### 2017 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	264	9.1 (12)	8.0 (29)	1,513	6.8 (19)	2.2 (14)	11.2 (25)	656	18.6 (35)	14.0 (24)	1,088	20.9 (30)
02LMAS	130	8.5 (10)	13.1 (46)	651	5.7 (5)	3.8 (40)	13.1 (42)	297	19.5 (42)	21.2 (46)	463	15.6 (19)
04DHD#4	299	10.0 (19)	9.0 (33)	1,456	7.1 (23)	3.1 (32)	12.1 (34)	637	19.5 (42)	16.5 (42)	1,010	17.7 (22)
05NWMCHA	400	10.8 (23)	10.0 (40)	2,415	6.4 (14)	4.0 (43)	11.1 (21)	1,114	17.1 (22)	13.0 (14)	1,739	13.3 (14)
06CMDHD	710	8.2 (7)	7.9 (28)	4,118	6.6 (16)	2.1 (12)	10.2 (12)	1,888	17.1 (22)	13.7 (21)	3,005	11.1 (9)
07West UP	198	6.1 (1)	8.6 (31)	1,099	6.9 (20)	3.0 (31)	12.6 (39)	489	16.2 (15)	14.7 (32)	755	8.6 (5)
08Barry	367	11.4 (31)	6.8 (19)	2,231	7.3 (29)	2.9 (27)	11.9 (33)	1,026	18.7 (36)	14.5 (28)	1,541	10.5 (8)
09Bay	389	6.7 (2)	9.0 (33)	2,267	7.6 (35)	1.5 (4)	13.0 (40)	1,015	18.8 (37)	16.2 (41)	1,691	11.2 (10)
10Gr Trav	324	9.9 (18)	9.6 (38)	1,473	4.3 (1)	5.9 (48)	8.4 (1)	632	18.8 (37)	11.7 (4)	973	23.6 (35)
11Berrien	679	10.2 (21)	7.1 (21)	3,223	8.1 (41)	3.5 (37)	9.5 (6)	1,319	18.3 (32)	11.9 (6)	2,195	17.9 (24)
12BHS	723	8.4 (8)	9.5 (36)	4,012	7.8 (38)	1.5 (4)	13.0 (40)	1,802	16.4 (16)	13.6 (20)	2,856	8.4 (4)
13Calhoun	658	10.8 (23)	6.4 (14)	3,877	7.5 (34)	3.1 (32)	13.8 (44)	1,840	18.8 (37)	15.3 (37)	2,921	27.4 (39)
14Leelanau	85	*	*	522	5.6 (3)	4.6 (45)	11.7 (30)	220	19.5 (42)	16.8 (45)	384	13.8 (15)

(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

### 2017 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	1,726	10.1 (20)	10.4 (42)	10,151	5.8 (7)	2.6 (22)	12.3 (36)	4,848	16.8 (18)	14.4 (27)	7,448	29.8 (43)
17Chippewa	155	12.3 (36)	11.0 (43)	883	6.2 (13)	3.6 (38)	13.1 (42)	422	17.5 (28)	14.5 (28)	583	24.7 (37)
19Mid-Mich	532	9.2 (13)	9.6 (38)	2,977	7.4 (32)	2.1 (12)	10.9 (17)	1,285	17.0 (21)	14.2 (26)	2,188	5.4 (2)
21Delta	210	9.5 (15)	8.6 (31)	1,206	5.7 (5)	1.9 (11)	11.0 (18)	573	13.6 (1)	11.2 (1)	872	5.2 (1)
22Iron	149	12.1 (34)	5.4 (7)	850	7.2 (25)	2.8 (26)	12.4 (38)	387	15.8 (11)	15.0 (34)	594	19.7 (28)
25Genesee	2,026	12.8 (37)	4.8 (6)	9,876	8.8 (45)	2.7 (23)	11.2 (25)	4,220	15.8 (11)	12.8 (10)	6,738	23.8 (36)
30HDI	399	12.8 (37)	4.0 (2)	2,038	5.9 (10)	2.4 (18)	12.1 (34)	945	18.2 (31)	12.9 (12)	1,498	17.9 (24)
32Huron	120	9.2 (13)	11.7 (44)	661	8.2 (42)	1.1 (2)	15.3 (47)	272	19.9 (46)	15.4 (38)	480	10.2 (7)
33Ingham	1,243	12.1 (34)	6.6 (16)	6,092	7.1 (23)	3.8 (40)	10.0 (10)	2,617	15.2 (9)	13.3 (16)	4,269	14.2 (16)
35Keweenaw	45	*	*	224	7.6 (35)	1.8 (7)	24.1 (48)	103	16.5 (17)	28.2 (48)	138	32.6 (46)
37Ionia	247	11.3 (30)	6.1 (12)	1,401	5.5 (2)	4.4 (44)	11.5 (27)	609	19.5 (42)	15.4 (38)	1,042	13.1 (13)
38Jackson	700	11.1 (28)	6.3 (13)	3,874	5.8 (7)	4.8 (46)	11.1 (21)	1,799	18.3 (32)	16.5 (42)	2,786	25.2 (38)
39Kalamazo	837	10.8 (23)	7.5 (24)	3,648	6.0 (11)	3.9 (42)	10.6 (14)	1,528	18.4 (34)	13.5 (19)	2,657	34.1 (47)
40Kal Fam	196	11.2 (29)	4.6 (5)	2,054	6.0 (11)	2.5 (20)	11.7 (30)	1,047	17.4 (25)	13.9 (23)	1,503	31.1 (45)

(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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## Table 6F

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#### 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)
41Kent	2,640	13.0 (39)	6.8 (19)	14,586	8.8 (45)	2.4 (18)	10.6 (14)	6,551	16.0 (13)	12.2 (8)	10,375	18.0 (27)
43DHD#10	1,179	8.1 (6)	8.1 (30)	6,556	7.3 (29)	1.8 (7)	11.0 (18)	3,040	17.1 (22)	14.0 (24)	4,769	17.9 (24)
44Lapeer	250	13.6 (42)	7.6 (25)	1,535	6.9 (20)	2.7 (23)	11.1 (21)	713	14.9 (7)	16.7 (44)	1,151	13.0 (12)
45Tuscola	219	11.0 (27)	11.9 (45)	1,276	7.4 (32)	2.7 (23)	9.4 (4)	613	14.4 (4)	12.9 (12)	954	11.2 (10)
46CAA	350	10.3 (22)	9.1 (35)	1,749	6.9 (20)	2.9 (27)	10.0 (10)	711	17.4 (25)	14.5 (28)	1,118	28.5 (40)
47Livingst	237	9.7 (17)	7.2 (23)	1,465	7.2 (25)	1.4 (3)	9.6 (8)	669	19.0 (40)	13.0 (14)	1,038	8.9 (6)
50Macomb	1,899	13.1 (40)	4.0 (2)	9,477	7.2 (25)	2.3 (15)	10.4 (13)	4,012	14.0 (2)	12.7 (9)	6,580	22.4 (33)
51DCS	443	9.5 (15)	7.7 (27)	2,421	7.8 (38)	1.7 (6)	11.6 (28)	1,000	17.7 (30)	14.7 (32)	1,782	21.5 (31)
52Marquett	148	14.2 (44)	9.5 (36)	964	9.3 (47)	3.4 (34)	11.6 (28)	464	17.5 (28)	13.4 (18)	625	8.3 (3)
56MMCAA	374	7.5 (5)	10.2 (41)	1,569	8.6 (43)	1.8 (7)	14.3 (45)	622	20.1 (47)	13.3 (16)	1,007	17.1 (20)
58Monroe	479	9.0 (11)	5.6 (9)	2,404	7.8 (38)	2.3 (15)	10.6 (14)	1,015	16.8 (18)	15.2 (36)	1,678	15.3 (18)
61Muskegon	1,023	10.9 (26)	5.4 (7)	5,184	7.6 (35)	2.9 (27)	11.7 (30)	2,332	16.8 (18)	13.7 (21)	3,734	30.1 (44)
63Oakland	2,331	15.0 (45)	5.6 (9)	12,292	8.6 (43)	2.5 (20)	9.5 (6)	5,261	16.1 (14)	11.8 (5)	8,792	23.5 (34)
73Saginaw	725	13.4 (41)	5.9 (11)	3,249	5.8 (7)	3.4 (34)	12.3 (36)	1,399	14.9 (7)	14.5 (28)	2,279	20.6 (29)

(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

### 2017 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)
74St Clair	510	6.9 (3)	7.1 (21)	2,825	7.3 (29)	1.8 (7)	11.1 (21)	1,273	17.4 (25)	15.9 (40)	2,006	17.4 (21)
76Sanilac	141	7.1 (4)	6.4 (14)	808	10.5 (48)	0.6 (1)	14.4 (46)	350	21.1 (48)	22.3 (47)	565	17.7 (22)
78Shiawass	251	8.4 (8)	7.6 (25)	1,540	5.6 (3)	3.4 (34)	11.0 (18)	710	19.4 (41)	15.1 (35)	1,157	14.9 (17)
81Washtena	803	11.5 (32)	6.7 (18)	4,249	6.7 (17)	2.3 (15)	8.8 (2)	1,820	15.6 (10)	12.8 (10)	3,095	29.0 (41)
82Wayne	3,722	11.5 (32)	6.6 (16)	19,360	6.4 (14)	2.9 (27)	9.4 (4)	8,180	14.6 (5)	11.3 (2)	13,174	21.9 (32)
89Urban L	2,305	15.2 (46)	3.8 (1)	12,119	7.2 (25)	5.5 (47)	9.9 (9)	5,176	14.6 (5)	11.5 (3)	8,565	45.3 (48)
90Detroit	4,758	13.6 (42)	4.4 (4)	22,006	6.7 (17)	3.6 (38)	9.3 (3)	9,761	14.3 (3)	11.9 (6)	14,986	29.1 (42)
<b>Michigan</b>	<b>38,606</b>	<b>11.8</b>	<b>6.5</b>	<b>202,447</b>	<b>7.2</b>	<b>3.0</b>	<b>10.7</b>	<b>89,268</b>	<b>16.2</b>	<b>13.2</b>	<b>142,864</b>	<b>22.8</b>
<b>National (Prior Year)</b>	<b>139,548</b>	<b>10.9</b>	<b>6.7</b>	<b>565,141</b>	<b>8.4</b>	<b>3.0</b>	<b>10.0</b>	<b>221,810</b>	<b>15.6</b>	<b>12.0</b>	<b>384,675</b>	<b>16.4</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.

\* 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

### 2017 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	264	65.9 (34)	307	28.3 (34)	289	11.4 (35)	200	16.5 (24)	251	9.2 (26)	803	91.3 (8)	1,560	7.1 (47)
02LMAS	130	74.6 (21)	129	31.8 (28)	110	15.5 (16)	82	*	112	8.9 (29)	352	84.9 (36)	670	4.9 (40)
04DHD#4	301	68.1 (31)	274	38.3 (11)	254	12.2 (30)	201	23.9 (11)	222	16.2 (5)	783	87.5 (22)	1,493	6.2 (46)
05NWMCHA	436	80.3 (6)	451	43.7 (4)	384	20.1 (7)	274	32.1 (3)	360	20.6 (2)	1,332	89.0 (19)	2,469	5.0 (41)
06CMDHD	712	74.9 (18)	759	35.4 (15)	768	13.8 (20)	500	22.4 (13)	639	12.4 (14)	2,276	90.5 (13)	4,226	5.7 (45)
07West UP	201	79.1 (7)	204	45.1 (3)	186	23.1 (1)	147	32.0 (4)	177	19.2 (3)	610	89.2 (18)	1,136	2.7 (18)
08Barry	379	80.5 (5)	479	34.0 (22)	380	16.3 (11)	293	17.1 (23)	415	11.8 (15)	1,210	86.3 (27)	2,287	2.9 (20)
09Bay	389	64.5 (36)	423	34.0 (22)	460	12.4 (27)	315	19.7 (19)	351	5.7 (39)	1,198	91.2 (10)	2,308	3.2 (22)
10Gr Trav	324	87.3 (1)	281	52.0 (1)	298	21.1 (4)	161	36.6 (1)	225	17.3 (4)	736	89.5 (15)	1,522	2.2 (9)
11Berrien	682	72.4 (24)	576	27.8 (36)	424	13.9 (19)	452	16.2 (26)	513	9.7 (25)	1,536	82.8 (39)	3,280	3.6 (28)
12BHS	728	81.2 (3)	759	35.6 (14)	721	13.7 (23)	504	20.8 (15)	625	10.6 (19)	2,116	85.8 (33)	4,111	3.5 (27)
13Calhoun	663	73.5 (23)	688	29.1 (32)	743	14.7 (17)	435	14.7 (29)	554	7.0 (35)	2,129	87.1 (24)	3,960	2.2 (9)
14Leelanau	85	*	104	41.3 (6)	88	*	62	*	82	*	265	84.5 (37)	527	4.7 (39)

(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

### 2017 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)		
15Inter-car	1,749	74.7 (20)	1,572	36.3 (12)	1,880	16.3 (11)	1,030	24.8 (10)	1,288	13.6 (10)	5,551	92.6 (6)	10,304	1.7 (5)
17Chippewa	156	65.4 (35)	170	32.9 (26)	138	20.3 (6)	114	26.3 (8)	143	14.0 (9)	492	97.2 (1)	916	10.9 (48)
19Mid-Mich	534	82.2 (2)	592	39.2 (9)	466	20.8 (5)	400	27.5 (5)	493	12.6 (12)	1,537	85.9 (31)	3,032	3.0 (21)
21Delta	210	68.6 (30)	232	24.1 (40)	233	12.4 (27)	170	15.9 (27)	207	10.1 (21)	670	90.4 (14)	1,226	3.7 (29)
22Iron	149	75.8 (16)	167	46.1 (2)	139	22.3 (3)	104	34.6 (2)	137	21.9 (1)	462	91.1 (11)	866	2.0 (7)
25Genesee	2,037	56.2 (44)	2,166	22.7 (42)	1,589	9.1 (41)	1,442	9.3 (37)	1,700	6.8 (37)	4,904	80.7 (42)	10,069	3.4 (25)
30HDI	400	57.3 (43)	369	18.4 (47)	312	6.7 (44)	277	5.4 (41)	333	2.7 (46)	1,127	76.0 (45)	2,124	3.2 (22)
32Huron	122	77.0 (13)	130	35.4 (15)	116	13.8 (20)	94	*	114	3.5 (44)	333	85.3 (35)	673	4.6 (38)
33Ingham	1,257	78.1 (11)	1,163	39.0 (10)	985	18.4 (10)	748	20.6 (16)	947	11.1 (16)	3,098	91.3 (8)	6,157	2.5 (14)
35Keweenaw	46	*	37	*	33	*	20	*	33	*	123	87.0 (25)	229	2.2 (9)
37Ionia	248	80.6 (4)	281	34.9 (20)	303	11.6 (34)	176	21.0 (14)	240	12.5 (13)	742	86.0 (30)	1,438	4.0 (32)
38Jackson	702	70.5 (27)	914	34.5 (21)	729	10.8 (37)	507	17.9 (22)	739	10.3 (20)	2,144	83.3 (38)	4,008	4.4 (35)
39Kalamazo	840	71.1 (26)	680	29.9 (31)	625	16.3 (11)	541	19.4 (20)	596	10.1 (21)	1,838	79.8 (43)	3,768	2.5 (14)

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(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

### 2017 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)		
40Kal Fam	198	66.7 (33)	335	22.1 (44)	267	11.2 (36)	170	14.7 (29)	296	5.7 (39)	1,185	74.6 (46)	2,082	4.1 (33)
41Kent	2,669	75.1 (17)	3,025	30.1 (30)	2,423	13.8 (20)	2,045	16.4 (25)	2,543	9.2 (26)	7,683	87.2 (23)	14,845	2.0 (7)
43DHD#10	1,182	78.4 (10)	1,038	36.1 (13)	1,238	16.3 (11)	696	26.7 (6)	900	14.1 (8)	3,636	88.1 (21)	6,690	4.5 (37)
44Lapeer	253	77.9 (12)	279	35.1 (17)	301	16.3 (11)	205	20.0 (17)	255	7.8 (32)	837	94.0 (5)	1,578	0.6 (1)
45Tuscola	220	70.5 (27)	253	34.0 (22)	222	9.5 (40)	150	14.7 (29)	213	5.2 (42)	710	91.5 (7)	1,301	3.7 (29)
46CAA	350	76.3 (15)	368	34.0 (22)	310	14.5 (18)	261	24.9 (9)	314	15.0 (7)	842	85.9 (31)	1,767	2.7 (18)
47Livingst	237	76.4 (14)	319	35.1 (17)	267	13.1 (26)	202	19.8 (18)	270	11.1 (16)	786	94.4 (4)	1,503	1.3 (3)
50Macomb	1,972	58.3 (42)	1,955	22.4 (43)	1,664	8.3 (42)	1,452	11.8 (36)	1,640	5.3 (41)	4,682	82.3 (40)	9,693	1.9 (6)
51DCS	445	71.5 (25)	498	30.7 (29)	494	13.2 (25)	353	15.3 (28)	394	9.1 (28)	1,216	86.1 (29)	2,513	2.2 (9)
52Marquett	150	78.7 (9)	152	42.1 (5)	211	19.4 (8)	71	*	130	10.0 (24)	550	90.9 (12)	997	3.4 (25)
56MMCAA	377	74.8 (19)	347	39.8 (7)	221	18.6 (9)	278	26.6 (7)	286	15.4 (6)	752	94.8 (2)	1,552	2.5 (14)
58Monroe	481	60.9 (39)	446	24.2 (39)	455	12.3 (29)	366	13.4 (35)	393	6.9 (36)	1,211	89.5 (15)	2,463	3.9 (31)
61Muskegon	1,030	63.8 (37)	923	28.9 (33)	944	10.1 (39)	705	14.6 (32)	769	7.7 (33)	2,696	79.8 (43)	5,339	5.5 (44)

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(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

### 2017 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)		
63Oakland	2,370	69.5 (29)	2,448	28.3 (34)	1,994	12.1 (31)	1,810	13.8 (34)	2,143	8.6 (31)	6,227	85.8 (33)	12,596	1.5 (4)
73Saginaw	724	58.8 (41)	672	23.5 (41)	507	6.3 (45)	498	8.8 (39)	565	7.1 (34)	1,588	86.3 (27)	3,313	3.2 (22)
74St Clair	511	67.5 (32)	630	32.9 (26)	565	11.7 (33)	367	18.8 (21)	536	10.1 (21)	1,508	86.7 (26)	2,905	4.1 (33)
76Sanilac	142	62.7 (38)	173	26.0 (37)	133	12.0 (32)	99	*	150	10.7 (18)	441	88.4 (20)	841	4.4 (35)
78Shiawass	252	74.6 (21)	302	35.1 (17)	301	13.6 (24)	196	14.3 (33)	239	8.8 (30)	814	94.7 (3)	1,573	2.6 (17)
81Washtena	810	78.9 (8)	835	39.5 (8)	764	22.8 (2)	595	23.5 (12)	699	13.2 (11)	2,189	89.3 (17)	4,307	1.2 (2)
82Wayne	3,869	60.5 (40)	4,114	24.3 (38)	3,078	10.3 (38)	2,935	9.2 (38)	3,603	5.8 (38)	9,654	81.9 (41)	19,724	2.4 (13)
89Urban L	2,397	53.0 (45)	2,562	19.9 (46)	1,864	5.6 (46)	2,032	6.8 (40)	2,231	4.5 (43)	6,051	67.0 (48)	12,464	5.4 (42)
90Detroit	4,800	49.4 (46)	3,852	20.2 (45)	3,108	6.9 (43)	3,104	5.3 (42)	3,380	3.1 (45)	11,190	73.4 (47)	22,696	5.4 (42)
<b>Michigan</b>	<b>39,192</b>	<b>66.1</b>	<b>39,435</b>	<b>28.8</b>	<b>33,989</b>	<b>12.4</b>	<b>27,844</b>	<b>14.7</b>	<b>33,447</b>	<b>8.4</b>	<b>104,823</b>	<b>83.7</b>	<b>207,129</b>	<b>3.4</b>
<b>National (Prior Year)</b>	<b>142,151</b>	<b>66.6</b>	<b>105,607</b>	<b>22.1</b>	<b>83,350</b>	<b>15.5</b>	<b>103,459</b>	<b>10.4</b>	<b>102,897</b>	<b>5.3</b>	<b>152,278</b>	<b>84.1</b>	<b>332,232</b>	<b>3.1</b>

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(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

### 2015 - 2017 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	1,021	8.8 (18)	8.4 (25)	4,858	7.0 (26)	2.6 (24)	11.2 (32)	2,041	17.3 (24)	14.5 (29)	3,425	24.1 (39)
02LMAS	438	9.6 (27)	11.0 (48)	2,124	4.6 (2)	4.8 (45)	9.5 (7)	955	15.1 (5)	14.9 (39)	1,468	13.9 (20)
04DHD#4	1,039	9.2 (23)	9.4 (37)	4,670	6.9 (19)	2.8 (28)	11.5 (38)	1,995	17.1 (23)	14.7 (33)	3,141	16.0 (27)
05NWMCHA	1,501	8.3 (10)	9.7 (39)	7,900	6.3 (11)	4.1 (42)	11.3 (35)	3,529	17.0 (20)	13.8 (23)	5,587	10.7 (12)
06CMDHD	2,786	7.9 (5)	8.0 (22)	13,435	6.9 (19)	2.4 (19)	10.3 (20)	5,904	17.3 (24)	14.6 (31)	9,362	11.1 (14)
07West UP	801	8.1 (7)	8.5 (27)	3,740	6.9 (19)	3.2 (35)	9.1 (2)	1,624	16.9 (18)	11.7 (2)	2,553	8.1 (5)
08Barry	1,489	9.5 (25)	6.9 (14)	7,431	7.0 (26)	3.3 (36)	11.3 (35)	3,226	18.0 (37)	14.5 (29)	5,005	9.4 (7)
09Bay	1,485	8.8 (18)	10.3 (43)	7,239	7.9 (42)	1.7 (4)	12.0 (40)	3,121	18.1 (39)	15.3 (42)	5,251	9.8 (8)
10Gr Trav	1,259	8.9 (21)	9.8 (40)	5,000	4.4 (1)	6.2 (49)	8.7 (1)	2,086	17.6 (31)	12.1 (5)	3,194	22.8 (36)
11Berrien	2,528	9.6 (27)	7.4 (18)	10,653	6.8 (15)	4.2 (43)	9.3 (6)	4,311	17.0 (20)	12.3 (11)	7,029	15.2 (23)
12BHS	2,842	7.7 (4)	8.7 (34)	13,621	7.5 (38)	1.8 (6)	12.1 (41)	5,942	16.3 (14)	13.7 (21)	9,473	7.2 (3)
13Calhoun	2,649	9.8 (31)	7.1 (16)	12,646	7.6 (40)	3.1 (34)	13.2 (47)	5,661	17.8 (35)	14.9 (39)	8,989	26.5 (43)
14Leelanau	380	7.6 (3)	10.8 (46)	1,762	5.7 (6)	5.1 (47)	11.2 (32)	706	17.7 (32)	13.7 (21)	1,219	12.4 (17)
15Inter-car	6,779	8.3 (10)	9.6 (38)	33,897	5.4 (4)	2.8 (28)	11.7 (39)	15,361	17.7 (32)	14.2 (26)	24,138	26.9 (44)

(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

### 2015 - 2017 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)
17Chippewa	594	8.2 (9)	10.8 (46)	2,939	6.8 (15)	3.0 (31)	13.1 (46)	1,295	16.3 (14)	14.3 (27)	1,934	20.8 (32)
19Mid-Mich	2,065	9.4 (24)	8.5 (27)	9,915	7.3 (32)	2.1 (11)	10.3 (20)	4,185	17.5 (29)	12.9 (13)	6,981	4.6 (2)
21Delta	851	8.6 (14)	8.6 (30)	4,043	6.1 (10)	2.5 (21)	10.2 (18)	1,748	16.7 (17)	12.2 (6)	2,755	3.8 (1)
22Iron	547	9.7 (30)	8.6 (30)	2,737	7.3 (32)	2.1 (11)	10.5 (25)	1,227	17.0 (20)	13.0 (16)	1,875	15.0 (22)
25Genesee	7,595	12.2 (44)	5.2 (4)	31,572	9.1 (48)	2.5 (21)	10.7 (30)	12,734	15.7 (8)	12.2 (6)	20,936	24.1 (39)
30HDI	1,372	12.5 (46)	4.8 (3)	6,362	6.6 (13)	2.2 (16)	12.9 (45)	2,956	18.8 (45)	14.0 (25)	4,661	10.3 (10)
32Huron	461	8.7 (15)	11.7 (49)	2,069	7.4 (35)	2.0 (10)	13.7 (48)	853	18.6 (44)	15.4 (44)	1,433	10.6 (11)
33Ingham	4,570	10.8 (38)	6.3 (9)	19,708	6.9 (19)	3.6 (38)	9.8 (13)	8,200	15.7 (8)	13.0 (16)	13,401	13.8 (19)
35Keweenaw	149	7.4 (2)	10.7 (45)	690	7.7 (41)	1.9 (9)	24.3 (49)	321	23.4 (49)	28.0 (49)	422	27.5 (45)
37Ionia	997	9.0 (22)	8.4 (25)	4,568	4.9 (3)	4.9 (46)	10.5 (25)	1,906	17.8 (35)	14.7 (33)	3,180	11.0 (13)
38Jackson	2,720	10.4 (35)	7.1 (16)	12,835	5.7 (6)	4.5 (44)	10.4 (22)	5,690	19.0 (47)	15.7 (46)	8,865	24.6 (41)
39Kalamazo	2,150	10.1 (34)	9.9 (42)	8,927	5.8 (8)	3.9 (41)	10.5 (25)	3,642	18.0 (37)	12.9 (13)	6,172	27.7 (46)
40Kal Fam	1,791	11.2 (40)	6.9 (14)	9,222	6.5 (12)	2.9 (30)	11.2 (32)	4,246	16.9 (18)	13.3 (18)	6,679	29.7 (48)
41Kent	10,036	11.0 (39)	7.4 (18)	48,235	8.2 (45)	2.3 (18)	10.4 (22)	20,893	16.0 (12)	12.2 (6)	33,320	15.4 (25)

(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

### 2015 - 2017 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	4,495	8.1 (7)	8.7 (34)	21,523	7.2 (30)	1.8 (6)	11.0 (31)	9,629	18.3 (42)	15.0 (41)	15,290	18.0 (28)
44Lapeer	1,029	9.8 (31)	8.6 (30)	5,096	7.4 (35)	2.1 (11)	9.7 (11)	2,169	18.1 (39)	15.3 (42)	3,645	12.6 (18)
45Tuscola	830	8.7 (15)	8.0 (22)	4,128	7.4 (35)	2.5 (21)	9.5 (7)	1,856	15.6 (7)	13.6 (20)	3,002	10.2 (9)
46CAA	1,417	8.7 (15)	8.5 (27)	6,058	6.8 (15)	2.7 (26)	10.2 (18)	2,374	18.8 (45)	14.3 (27)	3,698	18.5 (29)
47Livingst	1,024	7.9 (5)	8.2 (24)	4,892	6.9 (19)	1.3 (1)	9.2 (3)	2,134	17.4 (26)	12.2 (6)	3,391	7.7 (4)
50Macomb	7,103	12.3 (45)	5.5 (5)	30,506	7.0 (26)	2.1 (11)	10.6 (29)	12,159	14.7 (3)	12.9 (13)	20,208	22.8 (36)
51CFHC	657	10.7 (37)	6.7 (13)	2,770	7.2 (30)	2.1 (11)	10.5 (25)	1,071	17.4 (26)	15.9 (48)	1,814	21.4 (34)
51DCS	1,157	9.5 (25)	8.6 (30)	5,355	6.9 (19)	1.8 (6)	10.1 (15)	2,118	17.4 (26)	14.6 (31)	3,719	22.7 (35)
52Marquett	712	9.8 (31)	9.8 (40)	3,252	9.3 (49)	3.0 (31)	12.6 (43)	1,420	17.5 (29)	14.7 (33)	1,939	8.4 (6)
56MMCAA	1,139	8.8 (18)	10.5 (44)	4,964	8.6 (47)	1.5 (2)	12.7 (44)	2,019	19.3 (48)	14.8 (37)	3,190	12.2 (15)
58Monroe	1,790	9.6 (27)	7.4 (18)	7,984	7.9 (42)	2.6 (24)	10.4 (22)	3,324	16.3 (14)	14.7 (33)	5,455	13.9 (20)
61Muskegon	3,902	11.3 (41)	6.0 (6)	17,004	7.3 (32)	3.0 (31)	11.4 (37)	7,348	15.9 (11)	13.3 (18)	11,890	25.1 (42)
63Oakland	8,817	12.7 (47)	6.0 (6)	39,598	8.3 (46)	2.4 (19)	9.5 (7)	16,107	15.3 (6)	11.8 (4)	27,177	20.4 (31)
73Saginaw	2,601	11.9 (42)	6.3 (9)	10,859	5.8 (8)	3.4 (37)	12.2 (42)	4,499	15.8 (10)	14.8 (37)	7,462	19.7 (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

### 2015 - 2017 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)
74St Clair	2,012	8.3 (10)	7.5 (21)	9,213	7.0 (26)	1.7 (4)	10.1 (15)	3,887	18.3 (42)	15.8 (47)	6,323	12.3 (16)
76Sanilac	557	6.5 (1)	6.5 (11)	2,517	8.1 (44)	1.5 (2)	9.7 (11)	1,022	17.7 (32)	13.9 (24)	1,703	15.6 (26)
78Shiawass	1,064	8.5 (13)	9.0 (36)	5,171	5.6 (5)	3.8 (39)	10.1 (15)	2,280	18.1 (39)	15.4 (44)	3,688	15.2 (23)
81Washtena	3,076	12.1 (43)	6.5 (11)	14,225	7.5 (38)	2.2 (16)	9.5 (7)	6,076	16.2 (13)	12.7 (12)	10,099	23.4 (38)
82Wayne	14,181	10.5 (36)	6.2 (8)	62,236	6.7 (14)	2.7 (26)	9.2 (3)	24,958	14.7 (3)	11.2 (1)	40,687	21.3 (33)
89Urban L	8,305	14.1 (49)	3.9 (1)	37,689	6.8 (15)	6.0 (48)	10.0 (14)	15,906	14.3 (1)	12.2 (6)	26,251	42.7 (49)
90Detroit	17,426	14.0 (48)	4.0 (2)	73,639	6.9 (19)	3.8 (39)	9.2 (3)	31,077	14.5 (2)	11.7 (2)	48,823	29.1 (47)
<b>Michigan</b>	<b>146,262</b>	<b>11.0</b>	<b>6.7</b>	<b>661,617</b>	<b>7.1</b>	<b>3.0</b>	<b>10.4</b>	<b>279,849</b>	<b>16.2</b>	<b>13.7</b>	<b>452,003</b>	<b>21.2</b>

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

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) 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

### 2015 - 2017 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	1,022	64.4 (38)	931	21.4 (37)	855	11.1 (34)	732	15.8 (30)	854	9.4 (26)	2,493	88.4 (24)	4,972	6.5 (47)
02LMAS	440	71.8 (25)	379	26.6 (21)	379	14.5 (18)	277	19.1 (23)	361	10.0 (21)	1,127	83.8 (36)	2,167	5.9 (44)
04DHD#4	1,045	65.5 (35)	826	27.5 (16)	887	12.0 (30)	682	22.1 (12)	762	13.5 (8)	2,388	90.2 (12)	4,764	5.3 (41)
05NWMCHA	1,628	78.6 (10)	1,433	34.3 (6)	1,301	18.8 (8)	1,088	29.0 (5)	1,320	16.1 (2)	4,184	89.3 (19)	8,062	5.1 (39)
06CMDHD	2,794	72.4 (22)	2,512	25.7 (23)	2,532	12.9 (26)	1,971	21.2 (15)	2,351	11.2 (17)	7,055	90.9 (10)	13,736	6.2 (46)
07West UP	807	78.6 (10)	667	35.8 (2)	627	19.1 (7)	533	25.1 (9)	623	15.9 (3)	1,952	89.5 (16)	3,842	2.8 (17)
08Barry	1,567	77.5 (12)	1,551	27.3 (18)	1,266	13.8 (21)	1,093	21.1 (16)	1,447	12.9 (10)	3,836	88.2 (26)	7,630	2.5 (13)
09Bay	1,498	64.5 (37)	1,295	24.5 (29)	1,397	11.1 (34)	1,108	16.8 (28)	1,189	5.7 (42)	3,732	94.4 (2)	7,390	3.6 (25)
10Gr Trav	1,258	85.2 (1)	871	38.5 (1)	975	21.2 (3)	605	33.1 (1)	795	13.0 (9)	2,457	89.4 (17)	5,197	2.4 (10)
11Berrien	2,536	67.7 (32)	1,904	23.4 (31)	1,595	13.9 (20)	1,619	17.2 (27)	1,791	10.3 (19)	4,990	83.2 (38)	10,813	4.5 (33)
12BHS	2,867	79.3 (8)	2,437	25.6 (24)	2,282	13.1 (25)	1,915	19.3 (21)	2,193	10.3 (19)	7,025	84.5 (35)	13,914	3.8 (27)
13Calhoun	2,668	70.0 (30)	2,211	21.7 (36)	2,277	11.6 (32)	1,681	14.4 (36)	1,933	6.3 (40)	6,578	89.3 (19)	12,925	2.4 (10)
14Leelanau	383	84.9 (2)	316	35.8 (2)	285	24.2 (1)	237	25.7 (7)	286	12.6 (13)	850	86.1 (34)	1,794	4.8 (37)

(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

### 2015 - 2017 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)		
15Inter-car	6,917	75.6 (16)	5,301	28.8 (13)	6,221	15.5 (13)	4,022	23.1 (10)	4,716	12.7 (11)	17,739	92.3 (7)	34,431	1.8 (4)
17Chippewa	599	66.9 (34)	582	32.0 (8)	472	19.5 (6)	438	30.4 (2)	543	18.6 (1)	1,529	94.7 (1)	3,022	13.0 (49)
19Mid-Mich	2,073	83.1 (3)	1,889	30.8 (9)	1,545	16.6 (11)	1,453	25.3 (8)	1,709	12.5 (14)	4,986	86.9 (30)	10,063	4.3 (30)
21Delta	855	69.9 (31)	767	21.4 (37)	812	10.3 (37)	645	19.2 (22)	733	10.5 (18)	2,063	90.7 (11)	4,091	3.4 (23)
22Iron	549	75.2 (17)	494	33.0 (7)	447	18.6 (9)	381	29.9 (3)	453	14.8 (5)	1,464	91.4 (9)	2,784	2.2 (8)
25Genesee	7,631	58.2 (46)	6,709	17.3 (45)	5,116	8.8 (44)	4,965	11.4 (42)	5,678	6.6 (39)	14,854	80.1 (46)	32,191	3.8 (27)
30HDI	1,372	60.3 (43)	1,124	13.1 (49)	973	6.6 (46)	899	5.7 (46)	1,075	2.1 (49)	3,513	82.6 (40)	6,619	3.5 (24)
32Huron	463	70.6 (29)	387	28.7 (14)	336	14.3 (19)	322	15.8 (30)	366	6.0 (41)	1,009	88.3 (25)	2,110	4.4 (31)
33Ingham	4,629	77.1 (13)	3,683	29.9 (11)	3,157	17.3 (10)	2,630	18.5 (24)	3,255	9.3 (28)	9,588	88.7 (21)	19,948	3.3 (21)
35Keweenaw	150	81.3 (4)	109	30.3 (10)	112	20.5 (5)	86	*	102	12.7 (11)	383	87.7 (28)	709	2.5 (13)
37Ionia	1,004	80.0 (6)	955	25.4 (25)	939	13.2 (23)	711	20.0 (19)	897	9.6 (24)	2,297	86.5 (31)	4,676	4.6 (35)
38Jackson	2,733	70.9 (26)	2,895	22.6 (34)	2,395	10.2 (38)	1,892	16.6 (29)	2,627	7.1 (35)	6,769	81.0 (45)	13,230	5.1 (39)
39Kalamazo	2,171	72.4 (22)	1,756	24.8 (28)	1,468	14.6 (17)	1,449	20.2 (17)	1,623	9.9 (22)	4,327	81.3 (43)	9,198	2.6 (16)
40Kal Fam	1,813	61.1 (41)	1,593	18.1 (43)	1,363	10.0 (40)	1,268	14.4 (36)	1,517	6.9 (38)	4,948	75.1 (47)	9,441	4.0 (29)

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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.

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

# WIC PNNS & PedNSS

## Table 7F

### 2015 - 2017 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	10,122	73.8 (19)	9,850	23.8 (30)	7,939	13.3 (22)	7,377	15.3 (32)	8,947	9.1 (30)	24,646	88.2 (26)	49,014	2.0 (5)
43DHD#10	4,506	76.9 (14)	3,669	27.4 (17)	4,075	14.8 (15)	2,880	22.2 (11)	3,454	12.2 (16)	11,436	88.6 (22)	22,027	4.4 (31)
44Lapeer	1,035	71.9 (24)	952	28.4 (15)	1,000	14.9 (14)	784	19.4 (20)	918	9.4 (26)	2,561	91.7 (8)	5,183	1.4 (1)
45Tuscola	831	73.6 (20)	774	27.1 (20)	726	12.3 (29)	560	14.5 (35)	712	4.5 (46)	2,207	92.7 (5)	4,215	4.5 (33)
46CAA	1,426	74.9 (18)	1,246	25.0 (27)	1,076	12.9 (26)	972	20.1 (18)	1,160	9.7 (23)	2,831	88.5 (23)	6,152	2.4 (10)
47Livingst	1,028	79.6 (7)	973	27.3 (18)	889	14.7 (16)	747	22.0 (14)	908	12.4 (15)	2,489	93.3 (3)	5,009	1.7 (3)
50Macomb	7,475	57.0 (47)	5,981	17.5 (44)	5,426	8.0 (45)	4,930	10.7 (43)	5,365	5.3 (44)	14,234	81.3 (43)	31,081	2.1 (7)
51CFHC	661	70.8 (28)	557	19.9 (40)	526	12.9 (26)	426	13.4 (40)	500	7.0 (36)	1,246	81.4 (42)	2,830	2.3 (9)
51DCS	1,162	70.9 (26)	1,117	25.1 (26)	1,084	13.2 (23)	804	14.8 (34)	959	8.1 (31)	2,539	83.7 (37)	5,488	3.0 (18)
52Marquett	717	78.9 (9)	509	35.8 (2)	665	21.4 (2)	334	29.9 (3)	468	15.0 (4)	1,672	90.1 (14)	3,363	3.2 (20)
56MMCAA	1,142	75.8 (15)	1,052	29.9 (11)	774	15.9 (12)	950	25.9 (6)	974	14.0 (7)	2,392	92.6 (6)	4,928	3.0 (18)
58Monroe	1,794	61.0 (42)	1,524	19.4 (41)	1,454	11.0 (36)	1,294	15.2 (33)	1,449	7.9 (33)	3,997	89.6 (15)	8,127	5.0 (38)
61Muskegon	3,918	64.8 (36)	2,847	20.3 (39)	3,054	9.4 (42)	2,610	14.3 (39)	2,564	7.0 (36)	8,530	82.8 (39)	17,484	5.7 (43)
63Oakland	8,967	67.2 (33)	8,085	23.1 (33)	5,809	11.7 (31)	6,468	14.4 (36)	7,601	9.2 (29)	18,918	87.0 (29)	40,403	2.0 (5)

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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.

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# WIC PNNS & PedNSS

## Table 7F

### 2015 - 2017 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	2,607	58.6 (44)	2,142	16.5 (46)	1,770	6.6 (46)	1,702	9.3 (44)	1,904	5.6 (43)	5,157	86.2 (33)	11,009	3.7 (26)
74St Clair	2,018	63.8 (40)	1,971	23.3 (32)	1,819	10.2 (38)	1,413	17.3 (25)	1,831	8.1 (31)	4,685	86.3 (32)	9,437	5.9 (44)
76Sanilac	560	64.3 (39)	526	22.1 (35)	387	9.8 (41)	392	17.3 (25)	490	9.6 (24)	1,249	90.2 (12)	2,580	4.7 (36)
78Shiawass	1,065	72.6 (21)	1,061	26.0 (22)	950	11.5 (33)	725	13.1 (41)	934	7.2 (34)	2,564	92.8 (4)	5,256	3.3 (21)
81Washtena	3,090	81.0 (5)	2,777	35.0 (5)	2,465	21.1 (4)	2,154	22.1 (12)	2,557	14.2 (6)	7,203	89.4 (17)	14,418	1.6 (2)
82Wayne	14,753	58.3 (45)	12,636	18.8 (42)	9,909	9.4 (42)	10,111	8.5 (45)	11,734	4.9 (45)	29,448	82.3 (41)	63,149	2.5 (13)
89Urban L	8,616	49.9 (48)	7,329	13.6 (48)	5,442	5.3 (49)	6,538	5.7 (46)	6,803	3.7 (47)	18,747	69.8 (49)	38,802	5.5 (42)
90Detroit	17,570	48.3 (49)	13,241	14.2 (47)	11,061	6.3 (48)	11,495	5.1 (48)	12,488	3.0 (48)	36,045	73.9 (48)	75,934	6.6 (48)
<b>Michigan</b>	<b>148,613</b>	<b>65.1</b>	<b>126,420</b>	<b>22.1</b>	<b>110,334</b>	<b>11.6</b>	<b>100,403</b>	<b>14.3</b>	<b>115,939</b>	<b>7.9</b>	<b>329,000</b>	<b>84.1</b>	<b>675,781</b>	<b>3.8</b>

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