

# WIC PNSS & PedNSS

## Table 4F

### 2020 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 %
<b>Michigan</b>	<b>193,486</b>	<b>46.6</b>	<b>28.7</b>	<b>13.2</b>	<b>0.3</b>	<b>2.1</b>	<b>9.0</b>	<b>0.1</b>
<b>National (Prior Year)</b>	<b>712,311</b>	<b>37.6</b>	<b>23.5</b>	<b>23.2</b>	<b>1.4</b>	<b>2.6</b>	<b>6.5</b>	<b>5.1</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

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

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

# WIC PNSS & PedNSS

## Table 5F

### 2020 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>	<b>Number Included in Analysis (3,4)</b>	<b>0 - 11 Months %</b>	<b>12 - 23 Months %</b>	<b>24 - 59 Months %</b>
<b>Michigan</b>	<b>193,486</b>	<b>33.9</b>	<b>20.6</b>	<b>45.6</b>
<b>National (Prior Year)</b>	<b>712,311</b>	<b>35.1</b>	<b>21.8</b>	<b>43.1</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.

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

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

# WIC PNSS & PedNSS

## Table 6F

### 2020 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)
<b>Michigan</b>	<b>43,761</b>	<b>11.8</b>	<b>6.0</b>	<b>88,864</b>	<b>8.1</b>	<b>5.3</b>	<b>10.5</b>	<b>33,445</b>	<b>15.8</b>	<b>14.2</b>	<b>33,186</b>	<b>16.4</b>
<b>National (Prior Year)</b>	<b>159,266</b>	<b>11.0</b>	<b>6.0</b>	<b>649,753</b>	<b>7.7</b>	<b>2.9</b>	<b>11.2</b>	<b>283,555</b>	<b>16.1</b>	<b>13.8</b>	<b>433,852</b>	<b>14.5</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 PNSS & PedNSS

## Table 7F

### 2020 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)		
<b>Michigan</b>	<b>44,718</b>	<b>63.9</b>	<b>27,565</b>	<b>28.2</b>	<b>31,867</b>	<b>13.2</b>	<b>17,815</b>	<b>17.6</b>	<b>23,867</b>	<b>9.3</b>	<b>91,478</b>	<b>78.9</b>	<b>192,304</b>	<b>1.9</b>
<b>National (Prior Year)</b>	<b>168,373</b>	<b>71.4</b>	<b>88,368</b>	<b>31.4</b>	<b>91,841</b>	<b>23.5</b>	<b>60,230</b>	<b>17.4</b>	<b>71,191</b>	<b>8.1</b>	<b>285,831</b>	<b>82.0</b>	<b>655,593</b>	<b>3.7</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 PNSS & PedNSS

## Table 6F

### 2018 - 2020 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)
01DHD#2	688	8.1 (9)	7.7 (24)	3,129	7.4 (25)	2.5 (18)	11.4 (26)	1,380	17.5 (27)	14.3 (22)	2,168	16.1 (25)
02LMAS	309	9.7 (26)	10.7 (43)	1,373	5.0 (2)	4.0 (42)	10.1 (8)	583	18.2 (35)	15.4 (37)	959	9.4 (10)
04DHD#4	671	9.2 (21)	9.8 (40)	2,937	7.7 (31)	2.2 (12)	11.8 (34)	1,279	18.8 (38)	16.3 (40)	2,024	19.4 (35)
05NWMCHA	955	8.6 (16)	7.9 (26)	4,783	7.1 (22)	4.6 (44)	11.5 (29)	2,194	17.3 (25)	14.8 (30)	3,205	10.2 (11)
06CMDHD	1,911	8.2 (12)	7.6 (21)	8,475	6.9 (18)	2.9 (30)	10.6 (12)	3,737	17.3 (25)	15.3 (33)	5,771	11.7 (17)
07West UP	488	6.6 (3)	9.0 (36)	2,338	7.5 (26)	2.1 (8)	11.2 (23)	1,068	16.9 (17)	14.0 (15)	1,560	8.3 (2)
08Barry	912	8.3 (13)	9.9 (41)	4,296	7.6 (29)	2.4 (15)	11.1 (20)	1,906	21.1 (45)	14.2 (19)	2,822	8.3 (2)
09Bay	967	8.9 (18)	8.1 (30)	4,520	7.9 (34)	1.6 (2)	12.6 (39)	1,992	18.2 (35)	17.8 (45)	3,224	11.5 (15)
10Gr Trav	778	9.0 (19)	12.6 (46)	2,965	4.7 (1)	5.6 (46)	10.2 (9)	1,334	20.5 (44)	12.8 (8)	1,944	18.2 (32)
11Berrien	1,674	9.4 (24)	5.9 (9)	6,987	6.8 (16)	3.6 (37)	10.7 (16)	2,992	16.7 (13)	14.3 (22)	4,665	15.3 (23)
12BHS	1,917	7.9 (8)	7.5 (20)	8,149	8.3 (36)	2.2 (12)	12.5 (38)	3,498	16.9 (17)	15.3 (33)	5,353	12.3 (18)
13Calhoun	1,710	9.8 (27)	7.3 (19)	7,553	8.0 (35)	3.1 (32)	13.6 (41)	3,392	17.2 (24)	16.3 (40)	5,227	19.8 (36)
14Leelanau	247	6.5 (2)	8.9 (34)	1,136	6.6 (13)	2.7 (25)	12.2 (36)	508	17.9 (33)	16.5 (42)	746	11.5 (15)
15InterCar	4,418	8.4 (14)	9.0 (36)	19,918	5.9 (6)	2.7 (25)	11.8 (34)	9,135	16.1 (8)	14.6 (25)	13,700	27.1 (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 PNSS & PedNSS

## Table 6F

### 2018 - 2020 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	385	6.0 (1)	11.2 (44)	1,731	6.8 (16)	3.8 (40)	14.6 (44)	782	16.8 (16)	17.1 (44)	1,076	22.7 (40)
19Mid-Mich	1,330	8.1 (9)	8.3 (31)	5,941	8.7 (40)	2.0 (6)	11.7 (32)	2,523	17.6 (29)	14.3 (22)	4,151	3.7 (1)
21Delta	519	10.4 (32)	7.7 (24)	2,268	8.6 (38)	2.1 (8)	10.6 (12)	987	16.4 (10)	12.5 (7)	1,533	9.3 (9)
22Iron	357	10.1 (29)	9.0 (36)	1,681	5.8 (4)	2.7 (25)	11.5 (29)	773	18.1 (34)	15.9 (39)	1,116	16.9 (29)
25Genesee	5,045	13.1 (44)	5.7 (8)	20,519	9.2 (44)	2.7 (25)	11.1 (20)	8,695	15.6 (7)	12.0 (1)	13,450	22.1 (39)
30HDI	1,038	13.7 (46)	4.5 (3)	4,368	6.0 (10)	3.7 (38)	11.5 (29)	1,991	16.5 (11)	14.2 (19)	3,034	11.3 (14)
32Huron	246	9.8 (27)	13.0 (47)	1,258	8.8 (41)	2.9 (30)	13.8 (42)	557	14.7 (3)	14.2 (19)	907	9.0 (8)
33Ingham	3,161	10.3 (31)	6.6 (14)	12,914	8.6 (38)	3.1 (32)	10.6 (12)	5,479	17.1 (19)	12.9 (9)	8,537	12.9 (19)
35Keweenaw	76	6.6 (3)	11.8 (45)	394	6.1 (11)	2.5 (18)	18.5 (47)	185	22.2 (47)	21.1 (46)	267	15.7 (24)
37Ionia	610	9.3 (23)	7.0 (16)	2,852	5.9 (6)	3.9 (41)	11.2 (23)	1,287	19.1 (40)	13.7 (14)	2,042	8.8 (6)
38Jackson	1,842	11.2 (37)	7.0 (16)	8,048	5.8 (4)	6.5 (47)	10.4 (10)	3,595	18.3 (37)	15.7 (38)	5,209	18.9 (33)
39Kalamazo	2,512	11.5 (39)	7.6 (21)	10,535	5.9 (6)	3.7 (38)	11.4 (26)	4,571	17.1 (19)	14.1 (16)	7,226	32.4 (46)
41Kent	6,303	12.2 (41)	6.4 (13)	28,280	9.2 (44)	2.2 (12)	11.4 (26)	12,351	16.1 (8)	13.5 (13)	19,167	14.6 (22)
43DHD#10	2,896	8.5 (15)	7.9 (26)	13,087	7.3 (24)	1.8 (4)	11.7 (32)	6,049	17.8 (31)	14.6 (25)	9,255	14.5 (21)

(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 PNSS & PedNSS

## Table 6F

### 2018 - 2020 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)
44Lapeer	649	8.8 (17)	7.9 (26)	2,970	6.4 (12)	1.9 (5)	9.2 (3)	1,324	16.7 (13)	14.6 (25)	2,010	14.3 (20)
45Tuscola	606	8.1 (9)	9.6 (39)	2,615	6.7 (14)	2.6 (22)	9.8 (5)	1,149	17.1 (19)	14.1 (16)	1,783	8.4 (4)
46CAA	807	7.1 (5)	7.6 (21)	3,521	7.6 (29)	2.5 (18)	12.9 (40)	1,506	19.3 (41)	16.6 (43)	2,188	26.1 (44)
47Livingst	681	12.5 (43)	8.7 (33)	3,027	8.8 (41)	2.1 (8)	8.7 (2)	1,317	17.5 (27)	12.1 (4)	2,080	8.8 (6)
50Macomb	4,971	10.9 (34)	5.2 (5)	19,736	7.0 (20)	2.4 (15)	11.1 (20)	8,015	14.5 (2)	13.2 (11)	12,849	16.4 (28)
51DCS	1,029	10.8 (33)	6.0 (10)	4,427	7.1 (22)	2.1 (8)	11.2 (23)	1,879	16.7 (13)	14.7 (28)	3,032	17.5 (31)
52Marquett	471	10.2 (30)	8.5 (32)	2,012	10.2 (46)	2.6 (22)	14.1 (43)	917	20.0 (42)	15.3 (33)	1,161	8.6 (5)
56MMCAA	610	7.7 (7)	10.2 (42)	2,708	9.1 (43)	1.7 (3)	14.8 (45)	1,105	18.9 (39)	14.7 (28)	1,718	16.2 (26)
58Monroe	1,162	9.6 (25)	6.7 (15)	4,880	7.5 (26)	2.6 (22)	10.7 (16)	2,078	17.1 (19)	14.9 (31)	3,230	16.2 (26)
61Muskegon	2,525	11.3 (38)	5.2 (5)	10,223	8.3 (36)	2.4 (15)	12.4 (37)	4,428	17.1 (19)	14.1 (16)	6,988	22.9 (41)
63Oakland	5,580	12.0 (40)	6.2 (11)	24,712	7.8 (33)	2.5 (18)	9.8 (5)	10,625	15.4 (6)	12.4 (6)	16,695	21.8 (37)
73Saginaw	1,584	10.9 (34)	5.6 (7)	6,101	5.5 (3)	4.1 (43)	10.6 (12)	2,417	17.6 (29)	13.3 (12)	4,007	19.2 (34)
74St Clair	1,364	7.6 (6)	8.9 (34)	5,553	7.7 (31)	2.0 (6)	10.9 (18)	2,376	20.0 (42)	15.2 (32)	3,647	10.7 (12)
76Sanilac	365	9.0 (19)	7.9 (26)	1,565	11.9 (47)	1.0 (1)	15.8 (46)	693	21.8 (46)	22.8 (47)	1,065	17.0 (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 PNSS & PedNSS

## Table 6F

### 2018 - 2020 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)
78Shiawass	684	9.2 (21)	7.2 (18)	3,108	5.9 (6)	3.1 (32)	10.9 (18)	1,448	17.8 (31)	15.3 (33)	2,193	11.0 (13)
81Washtena	1,865	12.2 (41)	4.9 (4)	8,155	6.7 (14)	3.2 (35)	8.5 (1)	3,508	16.5 (11)	12.1 (4)	5,716	23.4 (42)
82Wayne	9,369	11.0 (36)	6.2 (11)	39,646	7.0 (20)	2.8 (29)	9.9 (7)	16,483	14.7 (3)	12.0 (1)	25,704	22.0 (38)
89Urban L	5,739	16.1 (47)	3.6 (1)	25,606	7.5 (26)	5.5 (45)	10.5 (11)	10,537	14.7 (3)	13.0 (10)	17,108	39.3 (47)
90Detroit	12,289	13.6 (45)	4.0 (2)	42,645	6.9 (18)	3.5 (36)	9.4 (4)	17,761	14.3 (1)	12.0 (1)	26,817	26.0 (43)
<b>Michigan</b>	<b>140,119</b>	<b>11.4</b>	<b>6.2</b>	<b>494,651</b>	<b>7.5</b>	<b>3.4</b>	<b>10.8</b>	<b>207,893</b>	<b>16.2</b>	<b>14.5</b>	<b>303,577</b>	<b>19.7</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 PNSS & PedNSS

## Table 7F

### 2018 - 2020 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	692	66.9 (35)	603	32.5 (29)	514	11.1 (35)	425	16.9 (36)	515	9.1 (32)	1,615	90.3 (10)	3,214	5.0 (42)
02LMAS	308	74.7 (21)	234	32.1 (31)	250	12.0 (33)	149	27.5 (10)	205	12.2 (20)	686	82.9 (35)	1,407	2.8 (23)
04DHD#4	672	74.3 (23)	516	35.3 (23)	581	13.1 (30)	364	20.9 (23)	437	14.6 (10)	1,492	82.0 (37)	3,028	5.3 (45)
05NWMCHA	1,042	81.4 (6)	855	48.1 (2)	727	19.4 (7)	556	38.5 (1)	705	20.1 (2)	2,500	86.0 (24)	4,886	4.1 (35)
06CMDHD	1,922	74.9 (20)	1,624	37.4 (17)	1,514	14.8 (20)	1,043	22.2 (18)	1,343	11.3 (25)	4,358	89.5 (14)	8,671	5.3 (45)
07West UP	492	80.9 (8)	428	44.6 (4)	404	25.0 (1)	276	29.7 (7)	374	17.6 (5)	1,246	89.9 (11)	2,410	2.4 (18)
08Barry	942	81.1 (7)	845	40.4 (8)	673	17.8 (13)	516	21.3 (22)	703	10.0 (28)	2,219	86.0 (24)	4,404	2.2 (15)
09Bay	970	66.6 (36)	602	30.2 (37)	804	12.7 (31)	353	22.1 (19)	540	5.4 (43)	2,327	88.6 (20)	4,639	2.7 (22)
10Gr Trav	781	83.0 (3)	514	51.9 (1)	567	24.0 (2)	284	38.4 (2)	400	15.3 (8)	1,512	90.5 (8)	3,201	1.5 (5)
11Berrien	1,679	70.3 (31)	1,170	30.9 (36)	863	13.4 (29)	934	19.6 (29)	995	10.2 (27)	3,383	77.9 (43)	7,138	4.1 (35)
12BHS	1,934	78.9 (12)	1,481	37.7 (16)	1,308	15.5 (19)	1,016	25.2 (14)	1,190	12.9 (19)	3,991	85.1 (29)	8,306	3.6 (29)
13Calhoun	1,718	71.7 (27)	1,274	31.6 (34)	1,313	13.8 (25)	867	19.7 (27)	1,015	10.5 (26)	3,876	89.7 (12)	7,756	1.6 (6)
14Leelanau	247	84.6 (1)	169	47.9 (3)	164	16.5 (16)	107	36.4 (4)	132	15.9 (7)	585	84.1 (33)	1,170	5.1 (43)

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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 PNSS & PedNSS

## Table 7F

### 2018 - 2020 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	4,476	75.4 (19)	3,066	37.2 (18)	3,415	14.6 (23)	2,022	24.2 (15)	2,463	13.4 (15)	10,147	92.9 (2)	20,228	1.3 (3)
17Chippewa	386	66.3 (37)	277	43.3 (5)	284	19.7 (6)	190	37.9 (3)	246	28.0 (1)	904	91.2 (6)	1,782	9.8 (47)
19Mid-Mich	1,332	81.6 (5)	1,087	38.5 (11)	862	18.9 (8)	722	26.2 (12)	918	12.0 (22)	2,928	85.1 (29)	6,058	2.9 (24)
21Delta	523	73.6 (25)	382	31.7 (33)	417	10.3 (39)	302	20.5 (24)	331	9.7 (30)	1,149	90.4 (9)	2,324	3.7 (32)
22Iron	358	73.5 (26)	233	38.2 (14)	279	20.8 (4)	197	34.5 (5)	206	18.4 (4)	889	89.1 (17)	1,712	3.0 (25)
25Genesee	5,067	55.7 (45)	3,921	25.4 (43)	3,101	9.8 (40)	2,786	11.2 (42)	3,145	6.9 (40)	9,891	82.6 (36)	20,974	2.6 (20)
30HDI	1,040	59.2 (42)	808	21.9 (46)	632	6.0 (47)	623	9.3 (44)	728	4.7 (45)	2,254	76.9 (44)	4,514	2.6 (20)
32Huron	247	79.4 (10)	237	40.1 (9)	184	13.6 (28)	148	8.8 (45)	199	5.5 (42)	654	87.9 (21)	1,289	4.6 (38)
33Ingham	3,193	76.4 (16)	2,313	42.4 (6)	1,935	18.3 (10)	1,613	19.5 (30)	1,845	12.2 (20)	6,173	89.2 (15)	12,976	1.6 (6)
35Keweenaw	77	74.0 (24)	74	35.1 (24)	51	9.8 (40)	46	23.9 (16)	62	16.1 (6)	184	85.3 (28)	370	4.3 (37)
37Ionia	614	82.9 (4)	525	35.8 (22)	548	17.3 (14)	332	25.3 (13)	449	13.6 (13)	1,482	87.0 (23)	2,906	2.1 (14)
38Jackson	1,849	71.3 (29)	1,733	36.1 (21)	1,435	11.3 (34)	977	20.4 (25)	1,395	13.0 (17)	4,171	78.7 (41)	8,295	4.0 (34)
39Kalamazo	2,549	70.7 (30)	1,877	32.4 (30)	1,505	13.8 (25)	1,312	19.7 (27)	1,570	8.2 (35)	5,039	78.3 (42)	10,874	2.2 (15)
41Kent	6,354	74.6 (22)	5,832	31.6 (34)	4,590	16.0 (17)	3,913	15.7 (38)	4,871	9.5 (31)	14,060	85.8 (27)	28,846	1.6 (6)

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(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 PNSS & PedNSS

## Table 7F

### 2018 - 2020 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)		
43DHD#10	2,904	76.9 (15)	2,001	39.4 (10)	2,412	18.0 (12)	1,334	29.1 (9)	1,734	14.1 (12)	6,898	88.9 (18)	13,514	3.6 (29)
44Lapeer	653	77.5 (14)	552	37.1 (19)	537	16.0 (17)	389	19.5 (30)	482	8.9 (33)	1,485	90.6 (7)	3,022	0.7 (1)
45Tuscola	608	75.5 (18)	514	38.1 (15)	444	14.2 (24)	338	18.0 (35)	419	5.3 (44)	1,322	88.7 (19)	2,665	3.6 (29)
46CAA	810	68.0 (33)	609	33.3 (25)	542	14.8 (20)	474	26.4 (11)	530	13.0 (17)	1,687	83.2 (34)	3,571	3.5 (28)
47Livingst	684	78.8 (13)	597	32.8 (27)	485	18.1 (11)	438	22.1 (19)	527	13.3 (16)	1,482	91.6 (4)	3,097	1.4 (4)
50Macomb	5,030	60.5 (41)	3,596	25.2 (44)	3,431	10.4 (37)	2,837	12.9 (41)	3,143	7.4 (38)	8,925	80.2 (40)	20,095	1.9 (13)
51DCS	1,037	69.8 (32)	764	32.9 (26)	816	14.7 (22)	427	19.9 (26)	572	9.8 (29)	2,139	86.0 (24)	4,565	1.6 (6)
52Marquett	473	84.1 (2)	320	38.4 (12)	360	16.9 (15)	190	29.5 (8)	267	13.5 (14)	1,051	92.8 (3)	2,115	2.5 (19)
56MMCAA	612	79.4 (10)	528	38.4 (12)	411	22.9 (3)	447	31.1 (6)	458	18.8 (3)	1,268	91.3 (5)	2,679	1.8 (12)
58Monroe	1,167	63.1 (39)	928	27.4 (40)	837	10.8 (36)	655	16.0 (37)	804	7.2 (39)	2,378	89.7 (12)	5,006	3.7 (32)
61Muskegon	2,540	65.4 (38)	1,763	29.8 (39)	1,757	9.2 (43)	1,205	18.3 (34)	1,407	8.6 (34)	4,965	76.3 (45)	10,577	4.9 (41)
63Oakland	5,631	71.7 (27)	4,763	32.8 (27)	3,470	13.7 (27)	3,492	18.5 (33)	4,088	11.8 (23)	12,167	85.0 (31)	25,175	1.2 (2)
73Saginaw	1,582	61.5 (40)	1,189	26.5 (41)	949	8.6 (44)	869	13.8 (40)	976	8.1 (36)	2,615	84.5 (32)	6,103	2.3 (17)
74St Clair	1,375	67.6 (34)	1,073	30.0 (38)	950	12.5 (32)	708	18.9 (32)	921	11.8 (23)	2,781	80.5 (39)	5,718	4.8 (40)

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

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# WIC PNSS & PedNSS

## Table 7F

### 2018 - 2020 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)		
76Sanilac	366	55.5 (46)	300	32.0 (32)	256	9.4 (42)	199	22.1 (19)	256	14.8 (9)	815	93.5 (1)	1,640	3.3 (27)
78Shiawass	685	75.6 (17)	585	36.6 (20)	551	18.7 (9)	388	15.7 (38)	483	7.7 (37)	1,563	89.2 (15)	3,177	3.1 (26)
81Washtena	1,872	80.3 (9)	1,532	42.2 (7)	1,303	20.3 (5)	1,096	23.3 (17)	1,272	14.5 (11)	4,012	87.6 (22)	8,309	1.7 (10)
82Wayne	9,517	58.9 (43)	7,651	26.5 (41)	6,042	10.4 (37)	5,764	9.9 (43)	6,706	6.2 (41)	18,833	80.8 (38)	40,258	1.7 (10)
89Urban L	6,068	58.1 (44)	5,190	21.8 (47)	3,670	6.9 (45)	4,038	8.0 (47)	4,479	4.0 (47)	11,939	63.6 (47)	26,305	5.2 (44)
90Detroit	12,370	52.2 (47)	7,074	24.2 (45)	6,270	6.9 (45)	5,138	8.8 (45)	5,996	4.6 (46)	19,960	67.2 (46)	44,248	4.7 (39)
<b>Michigan</b>	<b>142,230</b>	<b>65.8</b>	<b>101,810</b>	<b>30.4</b>	<b>96,308</b>	<b>13.0</b>	<b>70,351</b>	<b>16.9</b>	<b>86,399</b>	<b>9.3</b>	<b>289,548</b>	<b>81.0</b>	<b>607,733</b>	<b>2.6</b>

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