

# WIC PNSS & PedNSS

## Table 3F

### 2021 Pregnancy Nutrition Surveillance (1)

#### Michigan

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

Comparison of Racial and Ethnic Distribution (2)								
Local Agency	Number Included in Analysis	White, Not Hispanic  %	Black, Not Hispanic  %	Hispanic  %	American Indian/Alaska Native  %	Asian/Pacific Islander  %	Multiple Races  %	All Other/Unknown  %
01DHD#2	336	92.0	0.6	3.0	0.3	0.0	4.2	0.0
02LMAS	133	71.4	0.0	2.3	9.8	0.0	16.5	0.0
04DHD#4	343	91.5	0.3	2.0	0.3	0.0	5.8	0.0
05NWMCHA	423	90.3	0.5	2.1	0.7	0.5	5.9	0.0
06CMDHD	1,018	88.3	1.4	4.5	0.6	0.4	4.7	0.1
07West UP	271	86.7	1.8	2.2	1.1	1.8	5.9	0.4
08Barry	397	90.2	2.0	6.3	0.3	0.3	0.8	0.3
09Bay	506	79.6	2.2	11.7	0.0	0.2	6.3	0.0
10Gr Trav	387	85.0	1.0	5.4	3.9	0.8	3.6	0.3
11Berrien	765	49.4	37.3	7.7	0.1	1.3	3.3	0.9
12BHS	890	79.8	0.7	14.2	0.0	0.2	4.3	0.9
13Calhoun	932	60.7	20.7	7.7	0.2	4.8	5.2	0.6
14Leelanau	110	78.2	0.0	11.8	2.7	0.0	7.3	0.0
15Interkar	2,148	60.8	4.6	26.4	0.1	2.1	4.8	1.2
17Chippewa	174	56.9	0.6	4.0	17.2	1.1	20.1	0.0
19Mid-Mich	636	87.4	0.6	8.8	0.0	0.0	2.5	0.6
21Delta	277	77.3	1.8	4.7	2.5	1.1	12.6	0.0
22Iron	183	93.4	0.0	2.2	0.0	0.0	3.3	1.1
25Genesee	2,429	48.3	38.8	5.8	0.0	0.4	6.5	0.2
30HDI	573	39.1	42.1	14.8	0.2	0.0	3.8	0.0
32Huron	122	93.4	0.0	5.7	0.0	0.0	0.0	0.8
33Ingham	1,738	42.2	29.1	15.4	0.2	4.8	8.2	0.2
35Keweenaw	28	*	*	*	*	*	*	*

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors

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37Ionia	275	86.9	0.0	9.1	0.0	0.0	4.0	0.0
38Jackson	946	71.5	14.9	6.7	0.1	1.0	5.9	0.0
39Kalamazo	1,207	45.4	36.5	9.4	0.2	0.7	7.2	0.5
41Kent	3,098	29.8	29.2	31.1	0.2	4.9	4.6	0.2
43DHD#10	1,509	80.5	1.1	12.5	0.3	0.3	4.9	0.3
44Lapeer	248	88.7	1.2	5.2	0.0	0.8	4.0	0.0
45Tuscola	247	93.1	0.0	4.5	0.0	0.0	2.4	0.0
46CAA	383	69.7	3.7	19.1	0.3	0.3	6.0	1.0
47Livingst	328	89.6	1.5	4.3	0.0	0.6	2.7	1.2
50Macomb	2,593	47.2	37.2	3.0	0.2	8.6	3.7	0.2
51DCS	517	66.2	15.3	12.4	0.2	1.9	4.1	0.0
52Marquett	224	87.5	2.2	3.1	1.8	0.0	4.9	0.4
56MMCAA	322	86.6	1.9	6.2	0.0	2.2	3.1	0.0
58Monroe	611	80.7	6.9	7.0	0.0	0.2	5.1	0.2
61Muskegon	1,140	58.7	23.5	9.9	0.3	0.4	7.0	0.3
63Oakland	2,957	45.8	35.2	12.6	0.1	2.4	3.8	0.2
73Saginaw	734	45.5	33.0	15.1	0.0	0.1	5.4	0.8
74St Clair	590	80.3	5.6	7.5	0.0	0.5	5.8	0.3
76Sanilac	172	94.2	0.6	2.3	0.0	0.6	1.2	1.2
78Shiawass	327	87.2	0.6	6.1	0.0	0.3	5.5	0.3
81Washtena	1,069	37.0	41.1	10.0	0.1	3.0	8.4	0.4
82Wayne	4,497	58.9	26.5	5.8	0.2	5.6	2.8	0.2
89Urban L	3,810	18.2	72.4	5.9	0.1	1.0	2.3	0.1

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90Detroit	4,853	9.4	71.4	16.2	0.1	1.2	1.6	0.2
<b>Michigan</b>	<b>47,523</b>	<b>51.1</b>	<b>30.3</b>	<b>11.2</b>	<b>0.3</b>	<b>2.4</b>	<b>4.4</b>	<b>0.3</b>
<b>National (Prior Year)</b>	<b>93,573</b>	<b>48.3</b>	<b>24.7</b>	<b>18.9</b>	<b>1.6</b>	<b>2.6</b>	<b>3.7</b>	<b>0.2</b>

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# WIC PNSS & PedNSS

## Table 4F

### 2021 Pregnancy Nutrition Surveillance (1)

### Michigan

### Comparison of Age Distribution by Local Agency

<b>Comparison of Age Distribution (2)</b>								
Local Agency	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
01DHD#2	336	0.0	2.4	8.9	62.8	24.7	0.9	0.3
02LMAS	133	0.0	1.5	9.8	59.4	27.1	2.3	0.0
04DHD#4	343	0.3	2.0	7.3	58.6	30.0	1.7	0.0
05NWMCHA	423	0.0	2.1	8.3	60.5	27.0	2.1	0.0
06CMDHD	1,018	0.1	2.6	8.8	61.9	24.6	1.7	0.4
07West UP	271	0.0	1.5	7.0	54.2	35.8	1.5	0.0
08Barry	397	0.0	2.5	6.3	61.2	28.0	1.0	1.0
09Bay	506	0.0	2.4	6.1	61.9	28.5	1.2	0.0
10Gr Trav	387	0.0	1.3	6.2	61.5	29.5	1.6	0.0
11Berrien	765	0.4	3.1	8.9	61.4	23.9	1.4	0.8
12BHS	890	0.3	2.7	6.7	64.0	22.8	2.9	0.4
13Calhoun	932	0.0	2.4	8.0	63.6	23.9	1.4	0.6
14Leelanau	110	0.0	2.7	4.5	52.7	38.2	0.9	0.9
15InterCar	2,148	0.1	1.9	6.6	61.6	27.3	2.1	0.5
17Chippewa	174	0.0	2.3	7.5	62.1	27.0	1.1	0.0
19Mid-Mich	636	0.0	2.2	8.2	59.9	28.1	1.4	0.2
21Delta	277	0.4	0.7	7.2	64.3	26.4	1.1	0.0
22Iron	183	0.0	2.2	6.0	62.3	28.4	1.1	0.0
25Genesee	2,429	0.2	1.9	7.3	63.2	25.3	1.7	0.3
30HDI	573	0.0	1.4	9.6	63.7	23.7	1.0	0.5
32Huron	122	0.0	0.8	1.6	61.5	35.2	0.8	0.0
33Ingham	1,738	0.1	2.4	6.4	61.3	27.3	2.2	0.3
35Keweenaw	28	*	*	*	*	*	*	*
37Ionia	275	0.4	1.8	6.2	66.2	23.3	1.8	0.4

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# WIC PNSS & PedNSS

## Table 4F

### 2021 Pregnancy Nutrition Surveillance (1)

#### Michigan

#### Comparison of Age Distribution by Local Agency

Comparison of Age Distribution (2)								
Local Agency	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
38Jackson	946	0.1	2.6	7.1	63.0	24.5	1.6	1.1
39Kalamazo	1,207	0.1	2.9	7.3	59.9	27.4	1.7	0.7
41Kent	3,098	0.1	2.5	6.5	58.6	28.9	2.7	0.7
43DHD#10	1,509	0.1	2.1	7.3	63.4	24.7	1.9	0.6
44Lapeer	248	0.0	2.4	4.8	62.1	27.8	2.4	0.4
45Tuscola	247	0.0	2.4	7.3	62.8	25.5	1.6	0.4
46CAA	383	0.0	0.5	7.8	65.8	24.5	0.8	0.5
47Livingst	328	0.0	1.5	5.8	55.8	33.8	2.4	0.6
50Macomb	2,593	0.0	0.9	4.7	57.0	34.8	2.5	0.0
51DCS	517	0.2	0.6	2.7	60.3	34.6	1.5	0.0
52Marquett	224	0.0	3.1	3.1	65.6	26.3	1.8	0.0
56MMCAA	322	0.0	1.6	7.8	64.9	24.2	1.6	0.0
58Monroe	611	0.0	1.6	6.2	65.8	24.9	1.3	0.2
61Muskegon	1,140	0.1	3.0	10.5	60.2	24.5	1.0	0.8
63Oakland	2,957	0.0	1.5	5.1	56.7	34.1	2.4	0.1
73Saginaw	734	0.0	2.9	7.6	63.8	24.0	1.2	0.5
74St Clair	590	0.0	1.7	8.0	63.4	23.7	2.2	1.0
76Sanilac	172	0.0	3.5	6.4	62.2	27.9	0.0	0.0
78Shiawass	327	0.0	3.4	6.4	65.4	24.2	0.6	0.0
81Washtena	1,069	0.1	1.1	6.2	57.1	32.7	2.3	0.5
82Wayne	4,497	0.0	1.2	4.4	56.7	34.2	3.2	0.2
89Urban L	3,810	0.0	1.8	5.9	57.3	31.9	2.7	0.4
90Detroit	4,853	0.1	2.7	6.7	56.9	30.8	2.4	0.4

(1) Reporting period is January 1 through December 31

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### 2021 Pregnancy Nutrition Surveillance (1)

#### Michigan

#### Comparison of Age Distribution by Local Agency

<b>Michigan</b>	<b>47,523</b>	<b>0.1</b>	<b>2.0</b>	<b>6.5</b>	<b>59.8</b>	<b>29.1</b>	<b>2.2</b>	<b>0.4</b>
<b>National (Prior Year)</b>	<b>93,581</b>	<b>0.1</b>	<b>2.4</b>	<b>7.2</b>	<b>59.6</b>	<b>28.3</b>	<b>2.3</b>	<b>0.2</b>

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# WIC PNSS & PedNSS

## Table 5F

### 2021 Pregnancy Nutrition Surveillance (1)

#### Michigan

#### Comparison of Maternal Health Indicators by Local Agency

<b>Comparison of Maternal Health Indicators (2,3)</b>														
Local Agency	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)			(5)			(6)							
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
01DHD#2	266	2.3 (4)	65.0 (40)	158	15.8 (14)	53.8 (20)	0	*	7	*	301	7.3 (6)	301	14.3 (27)
02LMAS	121	7.4 (44)	57.0 (5)	80	*	*	0	*	0	*	120	9.2 (24)	120	14.2 (26)
04DHD#4	311	4.5 (32)	63.0 (31)	141	12.8 (2)	54.6 (22)	0	*	0	*	311	13.2 (45)	311	17.0 (39)
05NWMCHA	258	3.1 (7)	56.2 (4)	89	*	*	34	*	58	*	389	10.3 (33)	389	13.9 (23)
06CMDHD	849	4.0 (20)	62.0 (27)	520	14.2 (6)	56.7 (31)	6	*	16	*	941	9.2 (24)	948	13.9 (23)
07West UP	257	2.3 (4)	57.6 (7)	204	16.2 (17)	49.0 (4)	5	*	2	*	234	9.4 (27)	235	15.3 (30)
08Barry	247	6.9 (43)	59.9 (15)	111	14.4 (7)	58.6 (37)	4	*	2	*	363	9.1 (19)	366	16.1 (34)
09Bay	423	3.5 (15)	61.5 (23)	287	16.7 (22)	58.5 (36)	0	*	2	*	466	9.9 (30)	466	12.2 (11)
10Gr Trav	323	5.3 (40)	56.0 (3)	251	21.5 (36)	52.2 (12)	3	*	1	*	350	9.7 (28)	351	9.4 (4)
11Berrien	657	4.4 (30)	60.6 (17)	471	17.4 (25)	57.3 (34)	33	*	29	*	671	9.1 (19)	673	18.4 (42)
12BHS	530	5.8 (41)	57.7 (8)	197	21.8 (37)	49.7 (6)	6	*	22	*	766	10.7 (38)	769	10.9 (8)
13Calhoun	748	3.1 (7)	63.6 (35)	531	16.9 (23)	52.9 (17)	0	*	0	*	858	6.3 (4)	858	9.8 (5)
14Leelanau	84	*	*	39	*	*	2	*	6	*	95	*	95	*
15Inter-car	1,257	4.1 (24)	61.1 (20)	545	18.9 (30)	49.5 (5)	118	39.0 (2)	253	32.0 (2)	1,939	10.9 (40)	1,940	12.6 (17)
17Chippewa	150	4.0 (20)	58.0 (9)	108	12.0 (1)	58.3 (35)	0	*	1	*	158	12.7 (43)	158	7.6 (2)
19Mid-Mich	583	4.6 (35)	66.6 (42)	416	17.8 (26)	50.2 (7)	4	*	3	*	580	12.9 (44)	580	16.9 (38)
21Delta	265	3.8 (16)	57.4 (6)	196	17.9 (27)	48.5 (3)	16	*	25	*	246	8.9 (16)	246	12.2 (11)

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

(2) Excludes records with unknown data or errors.

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

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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Local Agency	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)			(5)			(6)							
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
22Iron	104	6.7 (42)	58.7 (12)	37	*	*	0	*	1	*	167	6.0 (3)	167	16.2 (35)
25Genesee	1,667	5.0 (37)	59.0 (14)	805	19.6 (34)	51.2 (9)	37	*	47	*	2,178	9.1 (19)	2,182	17.4 (41)
30HDI	367	3.8 (16)	67.6 (43)	67	*	*	0	*	0	*	540	8.7 (14)	540	14.8 (28)
32Huron	112	4.5 (32)	64.3 (38)	91	*	*	4	*	11	*	116	10.3 (33)	116	17.2 (40)
33Ingham	1,471	3.3 (11)	62.3 (29)	1,141	18.3 (28)	55.7 (26)	10	*	2	*	1,634	9.1 (19)	1,634	12.4 (14)
35Keweenaw	21	*	*	9	*	*	0	*	0	*	27	*	27	*
37Ionia	167	4.2 (26)	68.9 (44)	124	18.5 (29)	56.5 (30)	17	*	16	*	248	10.5 (35)	251	21.5 (45)
38Jackson	611	3.4 (13)	58.6 (11)	406	13.3 (3)	55.4 (24)	15	*	32	*	863	8.5 (10)	864	12.5 (15)
39Kalamazo	904	2.9 (6)	64.5 (39)	439	15.7 (12)	55.6 (25)	0	*	4	*	1,076	8.8 (15)	1,078	13.3 (21)
41Kent	1,798	3.2 (9)	60.9 (19)	721	24.1 (38)	46.9 (2)	214	37.4 (1)	540	23.5 (1)	2,812	8.5 (10)	2,818	16.7 (37)
43DHD#10	1,198	4.3 (27)	61.5 (23)	719	20.6 (35)	50.9 (8)	12	*	6	*	1,369	11.0 (41)	1,370	15.8 (33)
44Lapeer	244	4.5 (32)	54.1 (1)	208	14.4 (7)	46.6 (1)	0	*	0	*	223	5.4 (1)	224	10.3 (6)
45Tuscola	188	4.8 (36)	62.8 (30)	140	15.7 (12)	52.1 (11)	6	*	4	*	236	11.4 (42)	236	13.6 (22)
46CAA	330	2.1 (3)	61.2 (22)	237	14.8 (10)	52.3 (13)	0	*	0	*	327	10.1 (31)	328	14.0 (25)
47Livingst	311	5.1 (38)	55.9 (2)	201	19.4 (33)	55.2 (23)	1	*	0	*	292	8.6 (13)	293	20.5 (44)
50Macomb	2,282	3.2 (9)	63.1 (32)	1,704	17.0 (24)	53.3 (18)	0	*	0	*	2,380	10.5 (35)	2,381	10.8 (7)
51DCS	369	4.1 (24)	58.5 (10)	290	13.4 (4)	57.2 (33)	13	*	2	*	473	10.8 (39)	473	13.1 (20)

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

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
52Marquett	196	1.5 (1)	62.2 (28)	138	15.2 (11)	62.3 (38)	2	*	1	*	203	8.4 (9)	205	11.7 (10)
56MMCAA	214	1.9 (2)	64.0 (36)	89	*	*	5	*	3	*	305	9.2 (24)	304	12.5 (15)
58Monroe	571	4.0 (20)	65.1 (41)	454	15.9 (15)	55.9 (28)	0	*	0	*	551	9.1 (19)	551	18.5 (43)
61Muskegon	1,057	3.3 (11)	61.5 (23)	861	19.3 (32)	52.5 (14)	0	*	1	*	1,041	10.2 (32)	1,048	16.2 (35)
63Oakland	2,293	4.4 (30)	61.1 (20)	1,261	16.2 (17)	52.7 (15)	3	*	0	*	2,649	7.6 (7)	2,649	12.2 (11)
73Saginaw	532	3.4 (13)	61.5 (23)	317	14.5 (9)	52.7 (15)	0	*	0	*	686	9.8 (29)	685	11.4 (9)
74St Clair	564	4.3 (27)	64.2 (37)	434	13.4 (4)	56.9 (32)	4	*	12	*	520	8.5 (10)	521	15.5 (31)
76Sanilac	32	*	*	11	*	*	1	*	2	*	154	7.1 (5)	154	13.0 (19)
78Shiawass	295	5.1 (38)	60.3 (16)	246	19.1 (31)	53.7 (19)	1	*	1	*	298	5.4 (1)	298	6.7 (1)
81Washtena	868	4.3 (27)	60.8 (18)	559	16.1 (16)	51.3 (10)	34	*	51	*	954	10.6 (37)	954	15.5 (31)
82Wayne	2,901	4.0 (20)	58.8 (13)	1,798	16.6 (21)	54.3 (21)	0	*	4	*	4,039	8.9 (16)	4,040	8.5 (3)
89Urban L	2,846	3.9 (18)	63.1 (32)	1,641	16.3 (19)	55.8 (27)	0	*	0	*	3,489	9.0 (18)	3,494	15.1 (29)
90Detroit	3,506	3.9 (18)	63.1 (32)	2,062	16.5 (20)	56.3 (29)	1	*	1	*	4,513	8.3 (8)	4,515	12.8 (18)
<b>Michigan</b>	<b>35,370</b>	<b>3.9</b>	<b>61.5</b>	<b>21,570</b>	<b>17.1</b>	<b>53.8</b>	<b>613</b>	<b>31.8</b>	<b>1,172</b>	<b>24.7</b>	<b>43,174</b>	<b>9.2</b>	<b>43,229</b>	<b>13.4</b>
<b>National (Prior Year)</b>	<b>72,360</b>	<b>4.1</b>	<b>60.8</b>	<b>50,124</b>	<b>20.8</b>	<b>48.4</b>	<b>13,438</b>	<b>19.6</b>	<b>4,714</b>	<b>20.0</b>	<b>51,634</b>	<b>10.7</b>	<b>51,095</b>	<b>13.3</b>

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

(2) Excludes records with unknown data or errors.

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

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* 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

### 2021 Pregnancy Nutrition Surveillance (1)

#### Michigan

#### Comparison of Maternal Behavioral Indicators by Local Agency

<b>Comparison of Maternal Behavioral Indicators (2,3)</b>									
<b>Local Agency</b>	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy (4)		During Pregnancy (5)	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
01DHD#2	300	83.7 (29)	9.7 (32)	328	36.3 (10)	314	24.2 (30)	242	93.4 (20)
02LMAS	120	86.7 (20)	7.5 (24)	132	43.9 (2)	124	31.5 (12)	110	97.3 (1)
04DHD#4	311	83.9 (28)	9.0 (31)	337	32.9 (20)	333	27.9 (19)	272	96.7 (2)
05NWMCHA	392	91.8 (9)	4.1 (9)	417	29.0 (28)	407	35.1 (9)	314	92.4 (25)
06CMDHD	943	81.1 (36)	12.4 (38)	1,006	40.0 (3)	968	27.4 (21)	810	89.8 (38)
07West UP	234	83.3 (33)	8.5 (29)	269	30.9 (24)	259	38.2 (7)	195	96.4 (3)
08Barry	364	88.2 (16)	4.4 (12)	395	25.8 (35)	373	35.1 (9)	272	95.2 (11)
09Bay	467	77.3 (43)	13.9 (41)	502	38.0 (7)	487	24.8 (27)	387	94.3 (16)
10Gr Trav	351	80.6 (39)	14.5 (43)	379	33.0 (19)	377	28.4 (17)	283	91.5 (31)
11Berrien	652	77.5 (42)	7.8 (26)	751	26.8 (31)	699	21.3 (35)	540	92.0 (28)
12BHS	751	74.2 (44)	16.8 (44)	878	33.1 (17)	808	31.8 (11)	670	91.2 (32)
13Calhoun	850	94.1 (2)	4.1 (9)	913	31.4 (22)	864	28.0 (18)	690	92.8 (22)
14Leelanau	97	*	*	107	38.3 (6)	103	37.9 (8)	85	*
15Intercar	1,911	87.8 (17)	7.8 (26)	2,125	33.1 (17)	1,953	22.3 (33)	1,541	87.8 (42)
17Chippewa	157	93.0 (5)	5.1 (17)	171	38.6 (5)	164	40.9 (3)	142	93.7 (19)
19Mid-Mich	558	91.2 (11)	3.8 (7)	623	32.1 (21)	503	31.0 (13)	470	96.0 (6)
21Delta	244	93.9 (3)	2.0 (3)	274	29.2 (27)	255	25.5 (25)	214	95.3 (10)
22Iron	169	87.6 (19)	10.7 (34)	182	37.9 (8)	175	40.0 (5)	146	93.8 (18)
25Genesee	2,150	86.7 (20)	4.7 (14)	2,400	24.6 (39)	1,931	16.7 (42)	1,777	93.0 (21)
30HDI	536	83.4 (32)	8.2 (28)	565	36.8 (9)	549	17.9 (40)	469	89.6 (39)

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

(2) Excludes records with unknown data or errors.

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

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

\* 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

### 2021 Pregnancy Nutrition Surveillance (1)

#### Michigan

#### Comparison of Maternal Behavioral Indicators by Local Agency

<b>Comparison of Maternal Behavioral Indicators (2,3)</b>									
<b>Local Agency</b>	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy (4)		During Pregnancy (5)	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
32Huron	116	81.0 (37)	10.3 (33)	121	23.1 (42)	115	43.5 (2)	81	*
33Ingham	1,525	88.7 (15)	5.4 (18)	1,723	28.0 (29)	1,559	10.2 (45)	1,256	90.2 (36)
35Keweenaw	27	*	*	27	*	26	*	23	*
37Ionia	250	92.0 (7)	2.8 (5)	271	26.2 (33)	261	18.8 (39)	193	96.4 (3)
38Jackson	857	82.3 (34)	12.5 (39)	937	39.6 (4)	908	24.0 (31)	734	90.6 (35)
39Kalamazo	1,064	86.7 (20)	7.2 (23)	1,187	33.2 (16)	1,128	19.5 (38)	891	90.2 (36)
41Kent	2,735	84.6 (25)	5.7 (20)	3,066	21.6 (44)	2,530	20.6 (37)	2,215	92.8 (22)
43DHD#10	1,349	79.0 (41)	14.2 (42)	1,484	36.3 (10)	1,405	26.0 (23)	1,154	88.8 (41)
44Lapeer	224	83.5 (31)	13.4 (40)	248	33.5 (15)	235	29.8 (14)	179	95.0 (13)
45Tuscola	235	80.0 (40)	11.9 (36)	246	29.7 (26)	234	27.8 (20)	174	92.5 (24)
46CAA	323	92.0 (7)	0.9 (1)	377	27.3 (30)	367	24.3 (29)	283	92.2 (26)
47Livingst	292	80.8 (38)	12.0 (37)	323	30.7 (25)	307	39.4 (6)	238	95.4 (9)
50Macomb	2,374	91.7 (10)	4.1 (9)	2,552	25.9 (34)	2,043	10.4 (44)	1,860	95.1 (12)
51DCS	465	87.7 (18)	6.5 (22)	516	26.7 (32)	247	40.1 (4)	376	95.7 (8)
52Marquett	202	82.2 (35)	11.4 (35)	218	36.2 (12)	173	22.0 (34)	185	94.6 (15)
56MMCAA	303	86.5 (23)	8.6 (30)	318	24.2 (40)	305	23.9 (32)	218	96.3 (5)
58Monroe	550	90.4 (13)	3.1 (6)	605	25.6 (36)	586	29.0 (15)	427	94.1 (17)
61Muskegon	1,024	84.5 (26)	7.6 (25)	1,115	34.5 (13)	924	25.9 (24)	848	91.7 (30)
63Oakland	2,621	90.8 (12)	4.4 (12)	2,925	25.6 (36)	2,404	21.0 (36)	2,125	92.2 (26)
73Saginaw	675	85.8 (24)	5.6 (19)	729	31.3 (23)	692	28.9 (16)	553	91.9 (29)
74St Clair	519	71.7 (45)	20.6 (45)	583	44.8 (1)	562	26.2 (22)	481	87.3 (43)

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

(2) Excludes records with unknown data or errors.

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

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

\* 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

### 2021 Pregnancy Nutrition Surveillance (1)

### Michigan

### Comparison of Maternal Behavioral Indicators by Local Agency

<b>Comparison of Maternal Behavioral Indicators (2,3)</b>									
<b>Local Agency</b>	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Pregnancy (4)		During Pregnancy (5)	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
76Sanilac	154	95.5 (1)	1.3 (2)	168	25.0 (38)	160	47.5 (1)	125	96.0 (6)
78Shiawass	300	93.0 (5)	4.7 (14)	322	22.4 (43)	73	*	212	87.3 (43)
81Washtena	941	89.5 (14)	6.4 (21)	1,051	34.3 (14)	1,020	15.1 (43)	807	95.0 (13)
82Wayne	3,999	93.4 (4)	2.1 (4)	4,435	24.1 (41)	3,163	25.3 (26)	3,259	90.8 (34)
89Urban L	3,428	84.5 (26)	3.8 (7)	3,731	21.0 (45)	3,032	24.7 (28)	2,535	89.6 (39)
90Detroit	4,486	83.7 (29)	4.9 (16)	4,793	21.0 (45)	3,753	16.8 (41)	3,220	91.2 (32)
<b>Michigan</b>	<b>42,619</b>	<b>86.5</b>	<b>6.3</b>	<b>46,872</b>	<b>27.8</b>	<b>39,891</b>	<b>22.7</b>	<b>34,303</b>	<b>91.8</b>
<b>National (Prior Year)</b>	<b>73,395</b>	<b>71.3</b>	<b>6.9</b>	<b>78,665</b>	<b>20.5</b>	<b>57,185</b>	<b>22.8</b>	<b>57,616</b>	<b>89.2</b>

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

(2) Excludes records with unknown data or errors.

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

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

\* 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 7F

### 2021 Pregnancy Nutrition Surveillance (1)

#### Michigan

#### Comparison of Smoking Indicators by Local Agency

<b>Comparison of Smoking Indicators (2,3)</b>										
Local Agency	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)			Number	% (rank)	Number	% (rank)
01DHD#2	313	35.8 (40)	302	23.8 (43)	72	*	242	12.8 (42)	302	4.3 (41)
02LMAS	127	41.7 (45)	120	25.8 (44)	38	*	109	10.1 (35)	118	4.2 (40)
04DHD#4	334	36.8 (42)	310	21.3 (38)	90	*	272	9.6 (33)	311	1.9 (23)
05NWMCHA	409	31.1 (30)	389	19.0 (33)	82	*	314	10.5 (36)	388	3.1 (36)
06CMDHD	985	30.3 (29)	948	20.7 (36)	221	24.9 (24)	809	11.5 (40)	945	3.1 (36)
07West UP	260	33.8 (33)	234	21.4 (39)	53	*	195	11.3 (39)	236	3.4 (38)
08Barry	376	36.4 (41)	367	16.1 (26)	94	*	272	5.1 (14)	368	3.0 (34)
09Bay	487	34.7 (35)	467	19.3 (35)	123	35.8 (19)	387	9.0 (31)	470	2.8 (33)
10Gr Trav	377	34.0 (34)	351	13.1 (21)	95	*	283	4.2 (12)	351	1.7 (20)
11Berrien	701	25.7 (18)	671	11.8 (15)	115	47.0 (9)	540	9.6 (33)	672	3.4 (38)
12BHS	835	26.2 (20)	769	16.1 (26)	146	30.8 (21)	668	9.1 (32)	768	2.2 (26)
13Calhoun	873	23.6 (16)	850	11.3 (13)	156	36.5 (18)	687	2.8 (3)	854	0.8 (2)
14Leelanau	106	34.9 (36)	95	*	27	*	85	*	95	*
15InterCar	2,016	19.7 (11)	1,940	9.4 (10)	294	37.1 (17)	1,538	3.3 (8)	1,938	1.4 (16)
17Chippewa	165	25.5 (17)	158	20.9 (37)	36	*	141	7.8 (23)	158	2.5 (29)
19Mid-Mich	606	35.1 (38)	581	19.1 (34)	155	35.5 (20)	470	8.7 (28)	581	1.4 (16)
21Delta	262	35.1 (38)	245	23.7 (42)	68	*	214	11.2 (38)	246	1.6 (19)
22Iron	175	34.9 (36)	167	21.6 (40)	51	*	146	6.2 (17)	166	1.2 (12)

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

(2) Excludes records with unknown data or errors.

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

(4) Among women who smoked 3 months prior to pregnancy.

\* 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 7F

### 2021 Pregnancy Nutrition Surveillance (1)

#### Michigan

#### Comparison of Smoking Indicators by Local Agency

<b>Comparison of Smoking Indicators (2,3)</b>										
<b>Local Agency</b>	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
25Genesee	2,309	21.2 (13)	2,178	12.8 (20)	335	40.6 (12)	1,775	8.7 (28)	2,173	2.3 (28)
30HDI	548	28.8 (25)	540	10.6 (11)	141	49.6 (7)	469	13.9 (43)	540	4.6 (44)
32Huron	115	39.1 (43)	116	23.3 (41)	33	*	81	*	116	1.7 (20)
33Ingham	1,662	15.7 (9)	1,634	7.8 (9)	186	48.9 (8)	1,254	3.0 (5)	1,633	2.2 (26)
35Keweenaw	26	*	27	*	14	*	23	*	27	*
37Ionia	261	32.2 (31)	250	18.8 (31)	59	*	193	6.7 (19)	251	0.8 (2)
38Jackson	911	28.8 (25)	865	18.7 (30)	202	30.2 (22)	734	6.0 (16)	864	2.0 (24)
39Kalamazo	1,142	20.8 (12)	1,077	11.7 (14)	173	39.3 (14)	890	4.4 (13)	1,077	1.3 (13)
41Kent	2,921	11.2 (5)	2,812	6.2 (7)	222	45.5 (10)	2,163	3.0 (5)	2,798	1.1 (9)
43DHD#10	1,431	28.5 (24)	1,368	18.8 (31)	295	27.5 (23)	1,155	8.6 (27)	1,369	2.5 (29)
44Lapeer	238	29.4 (27)	224	17.4 (29)	45	*	179	7.8 (23)	223	0.9 (5)
45Tuscola	235	32.8 (32)	236	16.9 (28)	58	*	174	14.9 (44)	236	3.0 (34)
46CAA	368	26.4 (21)	330	11.8 (15)	62	*	283	7.1 (21)	330	4.5 (43)
47Livingst	319	27.3 (22)	293	12.3 (19)	57	*	238	3.4 (9)	291	1.0 (8)
50Macomb	2,478	10.7 (3)	2,382	5.1 (6)	185	44.9 (11)	1,859	3.9 (11)	2,377	0.9 (5)
51DCS	494	14.0 (7)	470	4.5 (5)	49	*	374	2.1 (1)	473	1.7 (20)
52Marquett	215	50.7 (46)	209	30.1 (45)	90	*	182	8.2 (25)	208	0.5 (1)
56MCAA	306	23.2 (15)	304	13.5 (22)	53	*	218	2.8 (3)	303	1.3 (13)
58Monroe	587	25.9 (19)	554	13.9 (23)	102	38.2 (16)	427	8.7 (28)	551	4.4 (42)

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

(2) Excludes records with unknown data or errors.

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

(4) Among women who smoked 3 months prior to pregnancy.

\* 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 7F

### 2021 Pregnancy Nutrition Surveillance (1)

#### Michigan

#### Comparison of Smoking Indicators by Local Agency

<b>Comparison of Smoking Indicators (2,3)</b>										
<b>Local Agency</b>	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
61Muskegon	1,064	28.1 (23)	1,052	15.6 (25)	224	38.4 (15)	850	6.5 (18)	1,045	1.1 (9)
63Oakland	2,841	8.9 (1)	2,645	4.0 (2)	186	40.3 (13)	2,124	2.4 (2)	2,643	0.8 (2)
73Saginaw	695	29.8 (28)	686	12.2 (18)	157	53.5 (5)	552	10.9 (37)	687	2.5 (29)
74St Clair	567	40.6 (44)	521	15.5 (24)	167	50.3 (6)	481	12.3 (41)	521	4.6 (44)
76Sanilac	162	14.8 (8)	153	11.8 (15)	15	*	125	5.6 (15)	153	1.3 (13)
78Shiawass	316	22.2 (14)	300	11.0 (12)	51	*	207	7.7 (22)	295	1.4 (16)
81Washtena	1,028	17.1 (10)	953	7.0 (8)	119	58.8 (3)	807	3.0 (5)	950	0.9 (5)
82Wayne	4,289	10.8 (4)	4,039	4.4 (4)	302	55.0 (4)	3,261	3.7 (10)	4,043	1.1 (9)
89Urban L	3,591	12.6 (6)	3,503	4.1 (3)	298	62.1 (1)	2,526	8.2 (25)	3,499	2.7 (32)
90Detroit	4,512	10.3 (2)	4,535	3.4 (1)	312	61.9 (2)	3,215	7.0 (20)	4,523	2.1 (25)
<b>Michigan</b>	<b>45,084</b>	<b>19.1</b>	<b>43,243</b>	<b>9.7</b>	<b>6,108</b>	<b>42.3</b>	<b>34,212</b>	<b>6.2</b>	<b>43,188</b>	<b>1.9</b>
<b>National (Prior Year)</b>	<b>79,201</b>	<b>24.6</b>	<b>81,871</b>	<b>11.3</b>	<b>14,082</b>	<b>35.8</b>	<b>66,264</b>	<b>8.1</b>	<b>79,517</b>	<b>3.3</b>

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

(2) Excludes records with unknown data or errors.

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

(4) Among women who smoked 3 months prior to pregnancy.

\* 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 8F

### 2021 Pregnancy Nutrition Surveillance (1)

### Michigan

### Comparison of Infant Health Indicators by Local Agency

<b>Comparison of Infant Health Indicators (2,3)</b>									
Local Agency	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
01DHD#2	133	8.3 (10)	6.0 (10)	284	10.2 (10)	121	6.6 (34)	133	70.7 (30)
02LMAS	69	*	*	115	13.9 (37)	58	*	69	*
04DHD#4	162	14.2 (37)	6.8 (18)	301	12.6 (27)	133	6.8 (35)	162	80.2 (14)
05NWMCHA	202	8.9 (12)	10.9 (36)	373	10.2 (10)	180	3.9 (15)	213	82.6 (10)
06CMDHD	495	9.5 (16)	8.5 (27)	914	10.8 (15)	440	6.1 (32)	495	77.0 (19)
07West UP	122	5.7 (3)	8.2 (26)	233	6.9 (3)	113	2.7 (5)	121	81.8 (11)
08Barry	173	11.6 (29)	7.5 (24)	359	12.5 (25)	147	3.4 (10)	175	89.7 (2)
09Bay	235	10.6 (22)	7.2 (21)	460	10.2 (10)	207	3.9 (15)	235	72.8 (27)
10Gr Trav	204	10.3 (20)	12.7 (40)	338	10.9 (16)	179	3.9 (15)	205	91.2 (1)
11Berrien	340	8.8 (11)	6.2 (14)	651	10.9 (16)	297	4.7 (20)	341	74.2 (25)
12BHS	413	6.8 (6)	9.4 (32)	749	11.6 (21)	362	3.6 (13)	413	84.3 (7)
13Calhoun	416	9.1 (14)	5.8 (8)	829	9.4 (6)	367	5.7 (30)	419	77.1 (17)
14Leelanau	51	*	*	90	*	47	*	51	*
15Intercar	899	9.6 (17)	8.5 (27)	1,889	13.1 (32)	769	2.5 (3)	966	78.3 (15)
17Chippewa	73	*	*	151	6.6 (2)	65	*	73	*
19Mid-Mich	271	11.1 (24)	9.6 (33)	562	14.9 (41)	226	2.2 (2)	271	85.2 (6)
21Delta	123	8.1 (9)	7.3 (22)	242	9.1 (5)	107	4.7 (20)	123	74.0 (26)
22Iron	79	*	*	164	11.0 (18)	74	*	79	*
25Genesee	996	12.0 (32)	4.1 (2)	2,150	14.0 (38)	838	4.7 (20)	997	61.3 (39)

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

(2) Excludes records with unknown data or errors.

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

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

\* 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 8F

### 2021 Pregnancy Nutrition Surveillance (1)

#### Michigan

#### Comparison of Infant Health Indicators by Local Agency

<b>Comparison of Infant Health Indicators (2,3)</b>									
<b>Local Agency</b>	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
30HDI	263	18.3 (40)	6.1 (12)	513	17.7 (45)	214	7.0 (36)	263	65.0 (36)
32Huron	68	*	*	114	5.3 (1)	64	*	68	*
33Ingham	873	11.2 (25)	6.8 (18)	1,588	13.4 (34)	758	4.6 (19)	878	81.4 (12)
35Keweenaw	18	*	*	24	*	14	*	19	*
37Ionia	131	6.9 (7)	12.2 (39)	248	11.7 (22)	114	3.5 (11)	131	86.3 (3)
38Jackson	456	11.6 (29)	6.1 (12)	836	11.8 (23)	399	5.8 (31)	458	77.1 (17)
39Kalamazo	510	11.6 (29)	7.1 (20)	1,039	12.5 (25)	441	5.0 (25)	512	74.8 (24)
41Kent	1,252	12.9 (36)	6.5 (16)	2,762	14.9 (41)	1,054	5.6 (28)	1,261	75.4 (23)
43DHD#10	694	11.5 (28)	9.2 (31)	1,312	13.0 (31)	598	4.7 (20)	696	83.5 (8)
44Lapeer	116	5.2 (2)	4.3 (4)	220	9.5 (7)	104	3.8 (14)	116	85.3 (5)
45Tuscola	123	6.5 (4)	10.6 (35)	230	14.3 (40)	105	2.9 (6)	123	81.3 (13)
46CAA	164	9.1 (14)	9.8 (34)	328	11.0 (18)	143	3.5 (11)	164	70.7 (30)
47Livingst	134	9.0 (13)	9.0 (30)	286	12.2 (24)	117	2.6 (4)	134	82.8 (9)
50Macomb	1,089	12.8 (35)	4.4 (5)	2,306	14.1 (39)	914	5.6 (28)	1,093	66.9 (33)
51DCS	220	10.9 (23)	4.5 (6)	466	13.7 (36)	186	3.2 (7)	222	71.6 (28)
52Marquett	107	7.5 (8)	12.1 (38)	200	8.5 (4)	96	*	108	76.9 (20)
56MMCAA	155	6.5 (4)	11.0 (37)	297	10.4 (13)	136	1.5 (1)	155	77.4 (16)
58Monroe	237	11.4 (26)	5.9 (9)	537	10.4 (13)	213	5.2 (27)	238	71.0 (29)
61Muskegon	569	10.0 (18)	7.7 (25)	1,006	12.6 (27)	498	4.8 (24)	573	68.9 (32)

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

(2) Excludes records with unknown data or errors.

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

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

\* 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 8F

### 2021 Pregnancy Nutrition Surveillance (1)

### Michigan

### Comparison of Infant Health Indicators by Local Agency

Comparison of Infant Health Indicators (2,3)									
Local Agency	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)	High (5)		(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
63Oakland	1,238	11.4 (26)	6.5 (16)	2,578	13.1 (32)	1,064	4.3 (18)	1,249	76.1 (21)
73Saginaw	374	12.6 (34)	5.6 (7)	672	12.6 (27)	328	6.4 (33)	375	75.5 (22)
74St Clair	260	10.4 (21)	7.3 (22)	499	12.8 (30)	217	3.2 (7)	260	66.5 (35)
76Sanilac	70	*	*	150	10.0 (9)	65	*	72	*
78Shiawass	136	5.1 (1)	8.8 (29)	294	9.9 (8)	125	3.2 (7)	136	66.9 (33)
81Washtena	464	12.3 (33)	6.3 (15)	920	13.6 (35)	398	7.0 (36)	466	85.8 (4)
82Wayne	1,795	10.0 (18)	6.0 (10)	3,937	11.1 (20)	1,592	5.0 (25)	1,836	63.6 (37)
89Urban L	1,481	16.9 (39)	3.7 (1)	3,361	17.5 (44)	1,191	8.6 (39)	1,502	62.3 (38)
90Detroit	2,180	15.2 (38)	4.2 (3)	4,434	15.0 (43)	1,820	7.6 (38)	2,203	56.5 (40)
<b>Michigan</b>	<b>20,634</b>	<b>11.6</b>	<b>6.4</b>	<b>42,035</b>	<b>13.2</b>	<b>17,699</b>	<b>5.3</b>	<b>20,853</b>	<b>71.6</b>
<b>National (Prior Year)</b>	<b>74,575</b>	<b>10.2</b>	<b>6.0</b>	<b>72,650</b>	<b>12.0</b>	<b>61,872</b>	<b>4.5</b>	<b>75,364</b>	<b>57.4</b>

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

(2) Excludes records with unknown data or errors.

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

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

\* 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 3F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

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

### Combined 3 Years

<b>Comparison of Racial and Ethnic Distribution <sup>(2)</sup></b>								
Local Agency	Number Included in Analysis	White, Not Hispanic  %	Black, Not Hispanic  %	Hispanic  %	American Indian/Alaska Native %	Asian/Pacific Islander  %	Multiple Races  %	All Other/Unknown  %
01DHD#2	1,069	91.0	0.7	3.2	0.3	0.1	4.7	0.1
02LMAS	439	74.5	0.2	1.4	4.8	0.0	19.1	0.0
04DHD#4	1,084	92.0	0.7	1.9	0.5	0.1	4.6	0.2
05NWMCHA	1,459	91.1	0.5	2.3	0.7	0.3	5.1	0.0
06CMDHD	3,107	88.7	1.4	3.7	1.3	0.5	4.3	0.2
07West UP	841	88.1	1.9	2.4	0.5	1.7	4.8	0.7
08Barry	1,344	88.4	2.4	6.8	0.1	1.0	0.9	0.4
09Bay	1,559	79.8	1.9	11.5	0.0	0.2	6.2	0.4
10Gr Trav	1,164	85.0	0.8	6.0	2.3	0.9	4.6	0.5
11Berrien	2,584	49.1	36.8	8.1	0.3	1.0	4.1	0.5
12BHS	2,937	81.3	0.6	12.7	0.0	0.2	4.3	0.9
13Calhoun	2,796	60.8	19.9	7.3	0.4	5.0	6.2	0.5
14Leelanau	353	79.0	0.6	10.2	4.2	0.0	5.4	0.6
15Interkar	6,885	61.1	4.2	27.4	0.2	1.7	4.5	1.0
17Chippewa	588	53.7	0.7	3.1	21.1	0.9	20.1	0.3
19Mid-Mich	2,048	87.8	0.5	8.7	0.0	0.0	2.4	0.4
21Delta	858	80.8	0.7	4.8	1.5	0.3	11.2	0.7
22Iron	569	91.7	0.2	2.1	0.2	0.0	4.0	1.8
25Genesee	7,771	47.4	39.5	5.6	0.1	0.2	6.9	0.3
30HDI	1,776	31.3	47.6	17.1	0.1	0.6	3.3	0.1
32Huron	418	92.6	0.2	5.3	0.0	0.2	1.2	0.5
33Ingham	5,297	41.6	28.6	15.7	0.2	5.2	8.4	0.3
35Keweenaw	108	14.8	0.0	5.6	64.8	0.0	13.9	0.9

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

(2) Excludes data with errors.

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

# WIC PNSS & PedNSS

## Table 3F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

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

### Combined 3 Years

<b>Comparison of Racial and Ethnic Distribution <sup>(2)</sup></b>								
Local Agency	Number Included in Analysis	White, Not Hispanic  %	Black, Not Hispanic  %	Hispanic  %	American Indian/Alaska Native  %	Asian/Pacific Islander  %	Multiple Races  %	All Other/Unknown  %
37Ionia	938	87.2	0.1	8.8	0.0	0.1	3.6	0.1
38Jackson	2,931	71.4	14.3	5.8	0.2	0.5	7.5	0.2
39Kalamazo	3,980	46.0	34.9	9.9	0.2	1.0	7.6	0.4
41Kent	10,004	31.7	29.0	29.2	0.3	4.7	4.8	0.3
43DHD#10	4,682	81.2	1.6	11.6	0.4	0.4	4.6	0.3
44Lapeer	863	90.4	0.7	4.6	0.0	0.6	3.4	0.3
45Tuscola	826	93.1	0.1	4.7	0.0	0.1	1.9	0.0
46CAA	1,257	72.1	2.5	18.9	0.1	0.2	5.6	0.6
47Livingst	1,015	91.4	1.2	3.8	0.0	0.5	2.2	0.9
50Macomb	8,196	50.2	34.1	2.9	0.1	8.2	4.2	0.3
51DCS	1,626	68.5	12.7	11.9	0.2	2.0	4.7	0.0
52Marquett	726	87.9	1.2	2.9	1.4	0.4	6.1	0.1
56MMCAA	957	89.8	1.5	3.9	0.0	1.7	3.2	0.0
58Monroe	1,964	81.2	6.7	6.2	0.1	0.4	4.9	0.6
61Muskegon	3,707	54.2	27.8	9.3	0.3	0.5	7.5	0.3
63Oakland	9,164	46.6	34.1	12.4	0.1	2.3	4.3	0.2
73Saginaw	2,298	46.3	30.9	15.7	0.0	0.7	6.0	0.5
74St Clair	2,039	80.8	6.3	6.4	0.1	0.5	5.6	0.2
76Sanilac	589	93.4	0.2	4.4	0.2	0.3	1.0	0.5
78Shiawass	1,080	88.1	0.5	6.8	0.0	0.1	4.4	0.2
81Washtena	3,202	37.2	40.7	10.2	0.1	2.5	8.9	0.3
82Wayne	15,442	56.5	29.0	5.4	0.2	5.5	3.1	0.3
89Urban L	11,043	14.3	77.2	5.3	0.1	0.6	2.5	0.1
90Detroit	15,972	8.7	73.0	15.5	0.1	1.0	1.7	0.1

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

(2) Excludes data with errors.

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

# WIC PNSS & PedNSS

## Table 3F

### 2019 - 2021 Pregnancy Nutrition Surveillance (1)

#### Michigan

#### Comparison of Racial and Ethnic Distribution by Local Agency Combined 3 Years

Michigan	151,661	51.0	30.6	10.9	0.4	2.3	4.6	0.3
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(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

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

# WIC PNSS & PedNSS

## Table 4F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Age Distribution by Local Agency

### Combined 3 Years

<b>Comparison of Age Distribution <sup>(2)</sup></b>								
Local Agency	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
01DHD#2	1,069	0.0	3.2	7.7	64.5	23.1	1.4	0.1
02LMAS	439	0.0	3.2	7.7	60.6	27.1	1.4	0.0
04DHD#4	1,084	0.1	2.2	8.5	61.9	25.7	1.6	0.0
05NWMCHA	1,459	0.1	1.7	6.9	64.2	25.4	1.7	0.0
06CMDHD	3,107	0.1	2.8	7.8	65.0	22.8	1.2	0.2
07West UP	841	0.0	1.7	7.4	56.2	32.7	2.0	0.0
08Barry	1,344	0.1	2.8	7.7	61.6	25.5	1.6	0.6
09Bay	1,559	0.1	2.6	7.5	62.3	26.1	1.4	0.0
10Gr Trav	1,164	0.1	1.9	6.3	60.3	28.9	2.2	0.3
11Berrien	2,584	0.2	3.3	9.6	60.5	23.2	1.5	1.7
12BHS	2,937	0.1	2.3	8.9	64.0	22.4	2.1	0.2
13Calhoun	2,796	0.1	2.8	7.5	64.1	23.6	1.4	0.4
14Leelanau	353	0.0	2.5	4.2	60.3	31.4	1.1	0.3
15InterCar	6,885	0.1	2.4	7.5	61.3	26.5	1.9	0.3
17Chippewa	588	0.0	2.2	7.7	63.3	25.2	1.7	0.0
19Mid-Mich	2,048	0.1	2.4	8.3	63.3	24.4	1.4	0.1
21Delta	858	0.1	2.1	7.7	63.3	26.0	0.8	0.0
22Iron	569	0.2	2.5	7.0	61.5	27.8	1.1	0.0
25Genesee	7,771	0.2	2.4	7.6	64.1	23.9	1.6	0.2
30HDI	1,776	0.1	2.7	8.1	64.8	22.4	1.6	0.5
32Huron	418	0.0	1.0	5.0	62.0	30.4	1.7	0.0
33Ingham	5,297	0.1	2.5	7.7	60.9	26.6	1.9	0.2
35Keweenaw	108	0.0	1.9	11.1	64.8	21.3	0.9	0.0
37Ionia	938	0.1	2.2	8.7	64.7	22.9	1.2	0.1

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

(2) Excludes data with errors.

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

# WIC PNSS & PedNSS

## Table 4F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Age Distribution by Local Agency

### Combined 3 Years

<b>Comparison of Age Distribution <sup>(2)</sup></b>								
<b>Local Agency</b>	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
38Jackson	2,931	0.0	2.8	8.1	63.5	24.0	1.1	0.5
39Kalamazo	3,980	0.1	3.3	8.1	60.3	25.9	2.0	0.4
41Kent	10,004	0.1	2.5	7.2	58.4	29.1	2.1	0.4
43DHD#10	4,682	0.1	2.2	8.1	64.0	23.5	1.8	0.3
44Lapeer	863	0.0	2.9	5.3	64.1	26.2	1.3	0.2
45Tuscola	826	0.1	2.8	6.4	64.8	23.5	2.2	0.2
46CAA	1,257	0.1	1.4	8.3	63.6	25.3	1.0	0.2
47Livingst	1,015	0.0	1.7	5.0	59.8	31.1	2.2	0.2
50Macomb	8,196	0.0	1.1	4.5	58.1	33.6	2.6	0.0
51DCS	1,626	0.1	0.9	4.1	61.3	31.0	2.6	0.0
52Marquett	726	0.1	1.4	5.6	61.6	28.8	2.5	0.0
56MMCAA	957	0.0	1.7	5.9	64.8	26.1	1.6	0.0
58Monroe	1,964	0.0	2.4	7.9	63.4	24.6	1.5	0.1
61Muskegon	3,707	0.2	3.4	10.0	61.5	23.2	1.2	0.5
63Oakland	9,164	0.0	1.4	5.2	57.6	33.0	2.5	0.2
73Saginaw	2,298	0.1	3.0	8.2	63.2	24.2	1.1	0.2
74St Clair	2,039	0.1	2.5	7.8	64.3	23.0	1.9	0.3
76Sanilac	589	0.0	2.7	8.7	66.7	21.6	0.3	0.0
78Shiawass	1,080	0.0	3.3	7.8	66.4	21.5	1.0	0.0
81Washtena	3,202	0.1	1.4	6.3	58.1	31.7	2.2	0.2
82Wayne	15,442	0.0	1.2	4.8	59.0	31.5	3.1	0.2
89Urban L	11,043	0.1	2.3	6.4	59.9	28.6	2.4	0.2
90Detroit	15,972	0.1	2.6	7.0	58.4	29.0	2.7	0.2
<b>Michigan</b>	<b>151,661</b>	<b>0.1</b>	<b>2.2</b>	<b>6.9</b>	<b>60.8</b>	<b>27.7</b>	<b>2.1</b>	<b>0.3</b>

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

(2) Excludes data with errors.

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

# WIC PNSS & PedNSS

## Table 5F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Maternal Health Indicators by Local Agency

### Combined 3 Years

<b>Comparison of Maternal Health Indicators <sup>(2,3)</sup></b>														
<b>Local Agency</b>	Prepregnancy BMI (4)			Weight Gain (5)			Anemia (Low Hb/Hct) (6)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)				
01DHD#2	786	4.7 (37)	62.1 (32)	372	16.7 (15)	52.4 (20)	75	*	88	*	964	6.0 (3)	965	11.6 (16)
02LMAS	387	4.4 (31)	59.9 (15)	267	16.1 (6)	54.3 (34)	24	*	35	*	391	9.2 (30)	391	14.8 (36)
04DHD#4	997	5.3 (43)	60.3 (19)	466	16.7 (15)	54.1 (32)	68	*	80	*	980	9.2 (30)	981	14.5 (32)
05NWMCHA	1,065	3.8 (15)	59.9 (15)	361	17.7 (25)	51.8 (12)	137	24.1 (4)	136	27.2 (12)	1,371	7.7 (10)	1,370	13.4 (26)
06CMDHD	2,674	3.8 (15)	61.2 (26)	1,766	16.4 (10)	53.3 (29)	207	23.7 (3)	242	21.5 (8)	2,857	8.9 (27)	2,869	13.5 (27)
07West UP	740	2.6 (1)	57.4 (6)	511	17.4 (23)	49.9 (6)	55	*	85	*	748	9.1 (29)	749	12.6 (22)
08Barry	777	6.4 (44)	58.3 (8)	340	18.5 (31)	51.8 (12)	110	36.4 (8)	121	9.9 (3)	1,223	10.4 (43)	1,227	14.9 (38)
09Bay	1,299	3.2 (4)	62.4 (34)	796	17.0 (18)	54.9 (37)	115	23.5 (2)	83	*	1,427	6.9 (4)	1,427	10.8 (11)
10Gr Trav	990	4.6 (36)	53.7 (2)	777	16.5 (11)	51.9 (15)	79	*	70	*	1,067	8.7 (25)	1,070	8.7 (2)
11Berrien	2,225	4.1 (24)	61.0 (25)	1,581	19.1 (38)	53.8 (31)	241	37.3 (9)	227	21.6 (9)	2,285	8.5 (23)	2,287	17.8 (43)
12BHS	2,146	5.1 (41)	61.2 (26)	999	19.6 (42)	52.2 (18)	207	24.2 (5)	245	27.8 (15)	2,636	8.8 (26)	2,638	9.2 (3)
13Calhoun	2,138	4.0 (21)	61.4 (28)	1,309	19.1 (38)	52.7 (26)	159	39.6 (13)	220	27.7 (14)	2,526	7.9 (13)	2,526	9.9 (7)
14Leelanau	300	3.7 (13)	58.0 (7)	185	15.1 (4)	54.6 (36)	27	*	29	*	323	9.3 (32)	323	10.5 (9)
15Intercar	4,689	4.8 (38)	60.5 (20)	2,327	19.8 (43)	49.2 (4)	627	38.4 (10)	1,028	31.0 (20)	6,229	9.4 (35)	6,236	10.7 (10)
17Chippewa	516	4.1 (24)	58.7 (9)	364	13.5 (2)	54.9 (37)	31	*	53	*	525	8.4 (20)	527	10.2 (8)
19Mid-Mich	1,897	4.2 (28)	63.9 (42)	1,344	18.6 (32)	50.7 (8)	153	12.4 (1)	227	11.5 (4)	1,892	11.9 (46)	1,894	15.6 (40)
21Delta	804	3.6 (10)	58.7 (9)	609	16.6 (13)	52.1 (16)	72	*	104	9.6 (2)	760	9.3 (32)	762	14.3 (31)

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

(2) Excludes records with unknown data or errors.

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

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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

# WIC PNSS & PedNSS

## Table 5F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Maternal Health Indicators by Local Agency

### Combined 3 Years

#### Comparison of Maternal Health Indicators <sup>(2,3)</sup>

Local Agency	Prepregnancy BMI (4)			Weight Gain (5)			Anemia (Low Hb/Hct) (6)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
22Iron	390	7.4 (45)	53.1 (1)	145	17.2 (22)	48.3 (3)	44	*	53	*	502	5.0 (2)	503	15.1 (39)
25Genesee	5,595	4.9 (40)	59.2 (13)	2,705	18.7 (34)	51.7 (11)	708	46.9 (23)	603	32.0 (23)	7,051	8.0 (16)	7,060	15.8 (41)
30HDI	1,457	3.4 (5)	67.2 (45)	734	20.2 (44)	48.1 (2)	127	42.5 (16)	376	31.9 (21)	1,660	7.9 (13)	1,660	13.1 (24)
32Huron	369	5.1 (41)	65.6 (44)	277	16.6 (13)	57.4 (45)	34	*	49	*	395	8.4 (20)	397	12.1 (20)
33Ingham	4,375	3.8 (15)	62.1 (32)	3,434	18.9 (36)	53.7 (30)	444	44.4 (17)	389	31.9 (21)	4,960	7.8 (12)	4,961	12.0 (19)
35Keweenaw	87	*	*	24	*	*	12	*	16	*	97	*	97	*
37Ionia	675	4.4 (31)	64.0 (43)	477	17.0 (18)	55.3 (42)	72	*	112	8.9 (1)	856	10.3 (42)	858	18.1 (45)
38Jackson	2,012	4.1 (24)	60.8 (23)	1,294	16.1 (6)	55.0 (40)	195	39.0 (11)	195	30.8 (18)	2,690	8.0 (16)	2,695	10.9 (12)
39Kalamazo	3,129	3.4 (5)	61.7 (31)	1,566	16.5 (11)	54.2 (33)	249	45.0 (18)	371	33.2 (24)	3,524	9.4 (35)	3,526	11.5 (15)
41Kent	6,280	3.8 (15)	60.2 (17)	2,549	25.7 (45)	44.2 (1)	1,094	40.7 (14)	1,872	29.4 (16)	9,142	8.2 (18)	9,155	14.7 (34)
43DHD#10	3,861	3.9 (20)	61.5 (29)	2,469	19.3 (41)	51.1 (9)	326	34.7 (7)	407	24.8 (11)	4,291	9.8 (40)	4,292	14.6 (33)
44Lapeer	845	3.8 (15)	56.0 (4)	737	17.0 (18)	51.8 (12)	73	*	96	*	790	4.8 (1)	791	9.6 (4)
45Tuscola	631	4.0 (21)	62.4 (34)	478	19.2 (40)	54.4 (35)	61	*	72	*	778	10.7 (44)	779	14.0 (30)
46CAA	944	3.1 (3)	60.8 (23)	462	14.9 (3)	51.1 (9)	118	52.5 (26)	127	40.9 (30)	1,119	9.6 (39)	1,121	13.3 (25)
47Livingst	973	4.5 (34)	54.1 (3)	662	18.6 (32)	52.1 (16)	71	*	137	12.4 (5)	917	10.9 (45)	918	18.1 (45)
50Macomb	7,058	3.6 (10)	61.5 (29)	5,549	18.4 (29)	52.6 (25)	692	40.9 (15)	826	27.4 (13)	7,596	9.3 (32)	7,599	9.7 (5)
51DCS	1,278	4.5 (34)	57.2 (5)	830	15.1 (4)	56.9 (44)	144	34.0 (6)	192	20.3 (7)	1,497	10.0 (41)	1,497	12.8 (23)

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

(2) Excludes records with unknown data or errors.

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

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy

(ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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

# WIC PNSS & PedNSS

## Table 5F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Maternal Health Indicators by Local Agency

### Combined 3 Years

<b>Comparison of Maternal Health Indicators</b> <sup>(2,3)</sup>														
<b>Local Agency</b>	Prepregnancy BMI (4)			Weight Gain (5)			Anemia (Low Hb/Hct) (6)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
52Marquett	655	3.4 (5)	60.6 (22)	469	16.2 (9)	55.2 (41)	55	*	69	*	643	7.2 (7)	649	13.6 (28)
56MMCAA	760	2.9 (2)	63.3 (37)	126	11.1 (1)	52.4 (20)	69	*	134	15.7 (6)	889	9.4 (35)	888	11.7 (18)
58Monroe	1,721	4.3 (29)	63.8 (41)	1,243	18.3 (28)	52.5 (23)	157	47.8 (24)	159	30.8 (18)	1,779	8.3 (19)	1,781	17.7 (42)
61Muskegon	3,354	3.7 (13)	63.3 (37)	2,483	18.4 (29)	52.2 (18)	220	45.5 (20)	191	22.5 (10)	3,392	9.5 (38)	3,396	17.8 (43)
63Oakland	7,326	4.1 (24)	59.0 (12)	4,248	17.0 (18)	53.1 (28)	753	45.0 (18)	803	33.3 (25)	8,277	7.0 (5)	8,277	11.4 (14)
73Saginaw	1,763	3.5 (8)	60.2 (17)	1,166	16.1 (6)	52.4 (20)	193	46.1 (22)	166	29.5 (17)	2,122	8.5 (23)	2,123	10.9 (12)
74St Clair	1,934	4.8 (38)	59.2 (13)	1,612	16.7 (15)	55.5 (43)	155	39.4 (12)	150	38.7 (28)	1,844	7.9 (13)	1,847	14.7 (34)
76Sanilac	97	*	*	39	*	*	49	*	43	*	518	7.3 (9)	518	9.8 (6)
78Shiawass	999	4.3 (29)	63.0 (36)	825	18.8 (35)	50.2 (7)	77	*	95	*	973	8.4 (20)	975	11.6 (16)
81Washtena	2,629	4.0 (21)	60.5 (20)	1,706	19.0 (37)	49.5 (5)	286	45.5 (20)	400	33.8 (26)	2,876	8.9 (27)	2,878	13.7 (29)
82Wayne	10,142	4.4 (31)	58.7 (9)	6,141	17.6 (24)	52.5 (23)	1,434	48.4 (25)	1,666	33.9 (27)	14,046	7.0 (5)	14,040	8.2 (1)
89Urban L	8,323	3.5 (8)	63.4 (40)	4,710	17.7 (25)	54.9 (37)	863	59.6 (28)	627	50.4 (31)	10,178	7.7 (10)	10,190	14.8 (36)
90Detroit	11,877	3.6 (10)	63.3 (37)	6,951	18.2 (27)	52.9 (27)	1,381	54.2 (27)	853	39.0 (29)	14,946	7.2 (7)	14,952	12.4 (21)
<b>Michigan</b>	<b>116,028</b>	<b>4.0</b>	<b>61.0</b>	<b>70,517</b>	<b>18.2</b>	<b>52.4</b>	<b>12,545</b>	<b>43.2</b>	<b>14,331</b>	<b>30.2</b>	<b>138,600</b>	<b>8.2</b>	<b>138,713</b>	<b>12.6</b>

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

(2) Excludes records with unknown data or errors.

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

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy

(ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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

# WIC PNSS & PedNSS

## Table 6F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Maternal Behavioral Indicators by Local Agency

### Combined 3 Years

<b>Comparison of Maternal Behavioral Indicators <sup>(2,3)</sup></b>									
<b>Local Agency</b>	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy <sup>(4)</sup>		During Pregnancy <sup>(5)</sup>	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
01DHD#2	962	82.5 (32)	10.1 (31)	1,045	34.0 (21)	967	21.8 (28)	833	91.2 (17)
02LMAS	390	81.5 (36)	10.8 (34)	432	42.4 (1)	382	26.7 (17)	355	92.4 (15)
04DHD#4	983	82.0 (35)	10.8 (34)	1,062	36.0 (13)	987	25.8 (20)	851	92.9 (13)
05NWMCHA	1,378	89.3 (12)	4.9 (12)	1,439	31.7 (26)	1,329	29.7 (10)	1,114	89.4 (27)
06CMDHD	2,868	81.2 (37)	12.2 (38)	3,073	39.4 (5)	2,795	27.1 (16)	2,465	88.8 (31)
07West UP	744	84.4 (25)	9.3 (30)	830	33.1 (24)	762	36.5 (5)	638	95.3 (1)
08Barry	1,216	88.2 (14)	4.7 (10)	1,335	28.7 (34)	1,227	28.5 (12)	966	94.5 (4)
09Bay	1,432	75.6 (43)	17.5 (45)	1,548	39.6 (4)	1,451	18.1 (40)	1,255	89.3 (28)
10Gr Trav	1,070	80.0 (40)	13.6 (42)	1,149	29.2 (32)	1,052	25.7 (21)	818	89.2 (29)
11Berrien	2,223	74.0 (45)	11.2 (36)	2,538	29.9 (31)	2,283	18.4 (39)	1,872	89.9 (26)
12BHS	2,492	75.1 (44)	15.0 (44)	2,897	34.3 (18)	2,595	23.4 (25)	2,241	88.1 (34)
13Calhoun	2,483	91.9 (4)	4.9 (12)	2,746	33.6 (22)	2,199	23.8 (23)	2,056	86.3 (41)
14Leelanau	324	82.1 (34)	12.7 (40)	348	35.3 (16)	307	34.5 (6)	269	87.4 (37)
15InterCar	6,169	87.7 (16)	7.3 (25)	6,796	34.3 (18)	5,786	23.1 (26)	5,063	87.2 (38)
17Chippewa	525	91.2 (5)	5.9 (18)	574	41.5 (2)	516	39.5 (3)	467	86.5 (39)
19Mid-Mich	1,868	83.6 (29)	10.2 (32)	2,015	34.2 (20)	1,696	27.7 (14)	1,556	94.4 (5)
21Delta	752	91.0 (6)	3.9 (4)	849	35.1 (17)	752	26.3 (18)	649	94.1 (7)
22Iron	510	88.2 (14)	8.6 (29)	565	36.5 (12)	515	39.0 (4)	452	92.0 (16)
25Genesee	6,993	86.6 (20)	4.2 (6)	7,659	25.6 (41)	5,884	8.9 (46)	5,570	88.9 (30)
30HDI	1,647	84.0 (26)	6.6 (23)	1,759	37.9 (8)	1,612	14.6 (44)	1,445	85.4 (46)
32Huron	396	82.3 (33)	7.8 (28)	415	28.0 (36)	361	33.2 (9)	294	90.1 (23)

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

(2) Excludes records with unknown data or errors.

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

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

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

# WIC PNSS & PedNSS

## Table 6F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Maternal Behavioral Indicators by Local Agency

### Combined 3 Years

<b>Comparison of Maternal Behavioral Indicators</b> <sup>(2,3)</sup>									
<b>Local Agency</b>	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy <sup>(4)</sup>		During Pregnancy <sup>(5)</sup>	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
33Ingham	4,827	87.3 (18)	6.0 (19)	5,252	28.6 (35)	4,688	8.6 (47)	3,898	90.0 (24)
35Keweenaw	98	*	*	106	38.7 (6)	101	21.8 (28)	94	*
37Ionia	854	92.5 (2)	4.1 (5)	931	31.1 (28)	845	20.6 (35)	673	94.1 (7)
38Jackson	2,672	83.1 (31)	10.2 (32)	2,896	38.7 (6)	2,608	20.5 (37)	2,304	87.5 (36)
39Kalamazo	3,501	85.4 (23)	7.3 (25)	3,933	36.0 (13)	3,579	17.5 (41)	3,030	85.9 (43)
41Kent	8,994	84.5 (24)	5.6 (16)	9,898	23.1 (44)	8,346	20.9 (33)	7,292	91.0 (19)
43DHD#10	4,247	79.4 (42)	13.8 (43)	4,607	37.8 (9)	3,937	27.8 (13)	3,643	88.8 (31)
44Lapeer	791	80.9 (39)	12.5 (39)	851	30.0 (29)	779	21.2 (32)	634	94.6 (3)
45Tuscola	782	79.7 (41)	12.7 (40)	817	33.5 (23)	744	27.7 (14)	607	93.9 (9)
46CAA	1,102	92.0 (3)	2.7 (2)	1,245	27.1 (37)	1,120	21.4 (31)	932	91.1 (18)
47Livingst	915	86.1 (21)	7.4 (27)	998	25.9 (40)	828	40.2 (2)	694	92.9 (13)
50Macomb	7,561	91.0 (6)	4.3 (8)	8,055	25.3 (42)	6,040	11.0 (45)	5,788	93.6 (10)
51DCS	1,481	89.5 (11)	4.8 (11)	1,604	24.4 (43)	835	33.9 (7)	1,151	94.4 (5)
52Marquett	636	87.6 (17)	7.2 (24)	715	35.5 (15)	541	33.8 (8)	581	90.4 (21)
56MMCAA	887	90.6 (10)	4.2 (6)	949	26.0 (39)	877	28.7 (11)	687	95.1 (2)
58Monroe	1,773	85.8 (22)	6.2 (21)	1,941	28.8 (33)	1,784	23.9 (22)	1,431	90.5 (20)
61Muskegon	3,328	86.9 (19)	6.0 (19)	3,625	37.6 (10)	2,950	20.8 (34)	2,799	86.4 (40)
63Oakland	8,174	89.1 (13)	5.7 (17)	9,083	26.6 (38)	6,806	18.9 (38)	6,580	90.0 (24)
73Saginaw	2,092	84.0 (26)	6.4 (22)	2,284	31.7 (26)	2,047	20.6 (35)	1,733	88.6 (33)
74St Clair	1,837	71.5 (46)	21.2 (46)	2,019	40.3 (3)	1,770	22.9 (27)	1,638	85.8 (45)
76Sanilac	514	90.9 (8)	5.3 (14)	583	37.0 (11)	544	43.9 (1)	476	93.1 (12)

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

(2) Excludes records with unknown data or errors.

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

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

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

# WIC PNSS & PedNSS

## Table 6F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Maternal Behavioral Indicators by Local Agency Combined 3 Years

<b>Comparison of Maternal Behavioral Indicators</b> <sup>(2,3)</sup>									
<b>Local Agency</b>	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Pregnancy <sup>(4)</sup>		During Pregnancy <sup>(5)</sup>	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
78Shiawass	969	84.0 (26)	11.8 (37)	1,069	32.0 (25)	671	23.5 (24)	797	85.9 (43)
81Washtena	2,861	90.7 (9)	4.5 (9)	3,139	30.0 (29)	2,854	14.8 (43)	2,366	93.3 (11)
82Wayne	13,906	93.2 (1)	2.0 (1)	15,227	23.0 (45)	10,609	26.0 (19)	10,979	90.3 (22)
89Urban L	10,069	83.4 (30)	3.3 (3)	10,809	21.5 (47)	7,384	21.6 (30)	7,491	86.1 (42)
90Detroit	14,854	81.0 (38)	5.3 (14)	15,767	22.4 (46)	11,313	15.4 (42)	10,864	87.8 (35)
<b>Michigan</b>	<b>137,201</b>	<b>85.7</b>	<b>6.4</b>	<b>149,581</b>	<b>28.5</b>	<b>120,125</b>	<b>20.7</b>	<b>110,438</b>	<b>89.4</b>

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

(2) Excludes records with unknown data or errors.

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

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

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

# WIC PNSS & PedNSS

## Table 7F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Smoking Indicators by Local Agency

### Combined 3 Years

<b>Comparison of Smoking Indicators</b> <sup>(2,3)</sup>										
<b>Local Agency</b>	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes <sup>(4)</sup>		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
01DHD#2	969	38.8 (41)	966	27.5 (46)	281	23.5 (42)	832	16.1 (46)	965	4.0 (40)
02LMAS	401	40.9 (43)	391	25.8 (42)	130	28.5 (40)	354	14.1 (41)	389	3.3 (32)
04DHD#4	992	41.4 (44)	978	25.4 (41)	320	31.9 (30)	851	12.3 (36)	980	3.2 (30)
05NWMCHA	1,337	36.3 (34)	1,372	22.4 (37)	383	31.9 (30)	1,113	14.1 (41)	1,369	4.0 (40)
06CMDHD	2,876	37.1 (37)	2,876	23.9 (38)	846	30.4 (35)	2,464	14.4 (43)	2,873	3.4 (33)
07West UP	771	36.4 (35)	748	24.7 (40)	209	30.6 (33)	638	9.7 (24)	750	2.4 (23)
08Barry	1,231	37.3 (38)	1,228	18.8 (25)	340	45.0 (9)	965	7.4 (14)	1,229	2.8 (26)
09Bay	1,456	35.6 (32)	1,435	21.3 (34)	422	28.9 (39)	1,254	12.2 (35)	1,437	3.8 (37)
10Gr Trav	1,052	35.1 (29)	1,073	16.8 (21)	285	44.2 (11)	818	7.6 (15)	1,073	2.3 (21)
11Berrien	2,286	29.8 (19)	2,285	14.5 (16)	481	42.8 (14)	1,872	12.3 (36)	2,287	3.7 (36)
12BHS	2,645	32.7 (24)	2,640	19.3 (28)	659	34.6 (25)	2,235	11.0 (28)	2,634	2.3 (21)
13Calhoun	2,490	26.4 (14)	2,509	14.7 (17)	509	31.2 (32)	2,068	6.1 (11)	2,520	1.4 (11)
14Leelanau	326	38.0 (40)	323	19.2 (27)	98	*	270	9.6 (23)	323	3.4 (33)
15InterCar	6,196	21.5 (10)	6,236	11.0 (10)	1,044	38.2 (18)	5,043	4.6 (3)	6,231	1.3 (5)
17Chippewa	535	35.1 (29)	525	25.9 (43)	158	17.1 (44)	463	11.9 (34)	527	4.4 (45)
19Mid-Mich	1,853	35.4 (31)	1,892	20.9 (33)	520	33.1 (27)	1,557	11.3 (30)	1,897	2.5 (25)
21Delta	775	41.4 (44)	761	24.6 (39)	242	36.8 (22)	649	12.6 (39)	761	2.9 (28)
22Iron	521	36.9 (36)	503	26.2 (44)	157	21.7 (43)	451	8.6 (17)	500	2.2 (19)
25Genesee	6,870	23.5 (13)	7,073	13.8 (14)	1,208	37.3 (20)	5,561	8.7 (18)	7,058	2.1 (18)

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

(2) Excludes records with unknown data or errors.

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

(4) Among women who smoked 3 months prior to pregnancy.

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

# WIC PNSS & PedNSS

## Table 7F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Smoking Indicators by Local Agency

### Combined 3 Years

<b>Comparison of Smoking Indicators</b> <sup>(2,3)</sup>										
Local Agency	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes <sup>(4)</sup>		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
30HDI	1,613	29.6 (18)	1,658	12.1 (11)	417	47.2 (7)	1,444	11.8 (33)	1,658	3.5 (35)
32Huron	380	37.9 (39)	397	22.2 (35)	115	30.4 (35)	294	14.6 (44)	397	4.0 (40)
33Ingham	4,811	17.1 (7)	4,963	9.4 (9)	643	39.7 (15)	3,882	5.0 (4)	4,950	2.4 (23)
35Keweenaw	101	61.4 (47)	98	*	52	*	94	*	98	*
37Ionia	844	32.3 (23)	857	20.5 (30)	215	27.4 (41)	673	7.9 (16)	861	2.0 (16)
38Jackson	2,669	34.2 (28)	2,696	22.3 (36)	755	30.2 (37)	2,302	9.2 (21)	2,696	2.0 (16)
39Kalamazo	3,609	22.8 (12)	3,520	12.7 (12)	631	33.6 (26)	3,023	6.3 (12)	3,514	1.3 (5)
41Kent	9,000	15.2 (6)	9,156	7.4 (6)	1,010	44.1 (12)	7,145	4.1 (1)	9,106	1.1 (2)
43DHD#10	4,247	32.0 (22)	4,291	20.6 (31)	1,101	30.5 (34)	3,641	11.6 (32)	4,290	2.8 (26)
44Lapeer	783	30.3 (20)	791	16.7 (20)	161	44.1 (12)	634	6.8 (13)	790	1.3 (5)
45Tuscola	746	35.9 (33)	783	20.7 (32)	215	38.1 (19)	607	13.0 (40)	783	1.8 (14)
46CAA	1,127	30.6 (21)	1,123	13.9 (15)	245	45.3 (8)	928	9.4 (22)	1,124	3.9 (39)
47Livingst	926	29.0 (16)	914	17.4 (22)	191	36.6 (23)	696	5.0 (4)	914	1.3 (5)
50Macomb	7,427	14.9 (4)	7,599	7.0 (5)	801	44.6 (10)	5,783	5.9 (10)	7,592	1.3 (5)
51DCS	1,472	17.4 (8)	1,491	7.8 (7)	199	50.3 (5)	1,148	5.1 (6)	1,498	1.3 (5)
52Marquett	674	41.4 (44)	659	27.0 (45)	238	32.8 (29)	579	8.8 (19)	657	1.7 (13)
56MMCAA	879	27.2 (15)	888	16.4 (19)	186	36.6 (23)	687	5.7 (9)	883	1.9 (15)
58Monroe	1,790	33.1 (25)	1,783	18.0 (23)	448	39.1 (16)	1,431	10.9 (26)	1,778	4.0 (40)
61Muskegon	3,278	29.5 (17)	3,396	18.6 (24)	780	29.7 (38)	2,804	9.9 (25)	3,397	3.1 (29)

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

(2) Excludes records with unknown data or errors.

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

(4) Among women who smoked 3 months prior to pregnancy.

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

# WIC PNSS & PedNSS

## Table 7F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Smoking Indicators by Local Agency Combined 3 Years

<b>Comparison of Smoking Indicators <sup>(2,3)</sup></b>										
<b>Local Agency</b>	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes <sup>(4)</sup>	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (rank)	Number	% (rank)		Number	% (rank)	Number	% (rank)	
63Oakland	8,419	10.8 (1)	8,274	5.5 (2)	679	37.3 (20)	6,566	4.2 (2)	8,269	0.9 (1)
73Saginaw	2,055	34.0 (27)	2,130	12.9 (13)	557	55.5 (3)	1,731	10.9 (26)	2,130	2.2 (19)
74St Clair	1,872	39.5 (42)	1,851	20.3 (29)	580	39.0 (17)	1,636	15.3 (45)	1,846	5.2 (46)
76Sanilac	550	22.2 (11)	517	15.1 (18)	90	*	474	8.9 (20)	517	1.5 (12)
78Shiawass	998	33.7 (26)	978	19.1 (26)	267	33.0 (28)	790	12.3 (36)	971	4.1 (44)
81Washtena	2,886	19.4 (9)	2,874	8.5 (8)	427	51.1 (4)	2,361	5.6 (8)	2,875	1.1 (2)
82Wayne	13,903	12.7 (2)	14,038	5.8 (4)	1,227	48.6 (6)	10,945	5.3 (7)	14,051	1.2 (4)
89Urban L	9,573	15.0 (5)	10,203	5.5 (2)	1,072	57.1 (2)	7,475	11.2 (29)	10,189	3.8 (37)
90Detroit	13,787	14.5 (3)	14,988	5.0 (1)	1,570	58.2 (1)	10,834	11.4 (31)	14,961	3.2 (30)
<b>Michigan</b>	<b>136,101</b>	<b>22.1</b>	<b>138,780</b>	<b>11.7</b>	<b>23,164</b>	<b>39.8</b>	<b>110,111</b>	<b>8.4</b>	<b>138,645</b>	<b>2.3</b>

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

(2) Excludes records with unknown data or errors.

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

(4) Among women who smoked 3 months prior to pregnancy.

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

# WIC PNSS & PedNSS

## Table 8F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Infant Health Indicators by Local Agency

### Combined 3 Years

<b>Comparison of Infant Health Indicators</b> <sup>(2,3)</sup>									
Local Agency	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
01DHD#2	746	7.6 (10)	7.6 (20)	917	8.3 (2)	683	5.4 (43)	747	66.8 (34)
02LMAS	335	7.5 (8)	10.4 (42)	378	10.8 (13)	293	3.1 (11)	335	77.6 (16)
04DHD#4	792	9.0 (25)	8.6 (35)	934	10.7 (12)	691	3.9 (24)	791	77.0 (18)
05NWMCHA	1,093	8.7 (22)	8.7 (36)	1,321	11.1 (19)	959	3.4 (16)	1,146	81.6 (9)
06CMDHD	2,315	8.3 (17)	7.6 (20)	2,781	10.9 (16)	2,053	4.2 (27)	2,320	76.5 (21)
07West UP	606	8.3 (17)	10.1 (41)	728	8.0 (1)	550	4.5 (31)	606	82.7 (8)
08Barry	981	9.6 (29)	8.1 (26)	1,207	11.5 (27)	863	4.2 (27)	999	83.4 (7)
09Bay	1,151	9.6 (29)	7.9 (23)	1,403	11.0 (18)	1,020	4.2 (27)	1,157	65.9 (38)
10Gr Trav	879	7.8 (11)	11.0 (45)	1,033	9.6 (5)	788	2.9 (6)	882	84.1 (4)
11Berrien	1,867	7.9 (13)	5.1 (4)	2,214	9.9 (8)	1,656	4.5 (31)	1,871	71.4 (28)
12BHS	2,180	7.3 (6)	8.5 (34)	2,564	10.2 (10)	1,940	2.9 (6)	2,195	80.6 (11)
13Calhoun	2,015	9.6 (29)	7.1 (19)	2,448	9.9 (8)	1,788	4.9 (38)	2,028	73.3 (25)
14Leelanau	266	6.8 (2)	8.3 (29)	312	10.9 (16)	237	3.0 (8)	266	86.1 (1)
15InterCar	4,782	7.9 (13)	8.3 (29)	6,034	12.0 (31)	4,176	2.8 (4)	5,052	77.3 (17)
17Chippewa	412	9.0 (25)	11.9 (46)	493	10.8 (13)	353	3.4 (16)	412	65.8 (39)
19Mid-Mich	1,514	8.7 (22)	8.8 (37)	1,827	12.2 (33)	1,320	2.8 (4)	1,517	84.8 (3)
21Delta	606	7.3 (6)	8.1 (26)	740	9.7 (7)	539	3.3 (13)	607	75.8 (23)
22Iron	400	8.0 (16)	9.0 (39)	491	11.6 (28)	355	3.7 (22)	401	76.6 (20)
25Genesee	5,698	11.6 (40)	5.1 (4)	6,933	13.5 (41)	4,883	5.5 (44)	5,707	56.3 (43)

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

(2) Excludes records with unknown data or errors.

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

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

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

# WIC PNSS & PedNSS

## Table 8F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Infant Health Indicators by Local Agency

### Combined 3 Years

<b>Comparison of Infant Health Indicators</b> <sup>(2,3)</sup>									
<b>Local Agency</b>	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
30HDI	1,326	13.0 (44)	4.3 (2)	1,594	14.8 (44)	1,134	5.3 (42)	1,328	62.0 (40)
32Huron	330	9.1 (27)	8.8 (37)	387	10.6 (11)	295	3.4 (16)	330	76.4 (22)
33Ingham	3,999	10.4 (34)	6.3 (12)	4,825	12.8 (36)	3,491	4.4 (30)	4,027	76.9 (19)
35Keweenaw	86	*	*	94	*	73	*	87	*
37Ionia	720	7.8 (11)	9.9 (40)	845	10.8 (13)	640	3.3 (13)	719	83.6 (5)
38Jackson	2,199	10.0 (33)	7.9 (23)	2,611	11.4 (25)	1,948	4.6 (34)	2,203	71.9 (27)
39Kalamazo	2,804	10.8 (37)	6.9 (17)	3,425	12.1 (32)	2,450	4.0 (26)	2,839	69.2 (32)
41Kent	7,239	12.6 (43)	5.8 (11)	8,940	15.1 (45)	6,109	5.0 (39)	7,294	74.7 (24)
43DHD#10	3,406	8.5 (21)	8.3 (29)	4,093	11.8 (30)	2,972	3.4 (16)	3,419	79.0 (14)
44Lapeer	661	7.9 (13)	8.3 (29)	767	11.1 (19)	577	3.8 (23)	661	81.2 (10)
45Tuscola	642	8.4 (20)	8.3 (29)	753	12.7 (35)	556	3.2 (12)	641	78.9 (15)
46CAA	919	6.5 (1)	8.1 (26)	1,111	9.5 (4)	827	2.4 (2)	918	69.8 (30)
47Livingst	739	9.7 (32)	6.9 (17)	895	12.5 (34)	643	3.0 (8)	738	83.6 (5)
50Macomb	6,077	11.2 (38)	5.1 (4)	7,362	13.1 (38)	5,212	4.7 (35)	6,121	61.1 (41)
51DCS	1,212	8.8 (24)	6.7 (15)	1,464	11.7 (29)	1,058	3.3 (13)	1,217	69.5 (31)
52Marquett	540	7.2 (5)	10.4 (42)	637	9.3 (3)	485	3.9 (24)	542	85.6 (2)
56MMCAA	719	6.8 (2)	10.6 (44)	874	9.6 (5)	645	2.2 (1)	719	79.6 (12)
58Monroe	1,409	9.1 (27)	6.7 (15)	1,732	11.2 (21)	1,242	3.5 (20)	1,411	66.6 (36)
61Muskegon	2,819	10.4 (34)	5.6 (8)	3,277	13.1 (38)	2,411	4.7 (35)	2,828	67.1 (33)

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

(2) Excludes records with unknown data or errors.

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

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

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

# WIC PNSS & PedNSS

## Table 8F

### 2019 - 2021 Pregnancy Nutrition Surveillance <sup>(1)</sup>

### Michigan

### Comparison of Infant Health Indicators by Local Agency

### Combined 3 Years

<b>Comparison of Infant Health Indicators</b> <sup>(2,3)</sup>									
<b>Local Agency</b>	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
63Oakland	6,587	11.5 (39)	6.5 (14)	8,098	12.9 (37)	5,702	4.5 (31)	6,656	73.0 (26)
73Saginaw	1,755	11.7 (41)	5.6 (8)	2,091	13.1 (38)	1,526	4.7 (35)	1,764	66.2 (37)
74St Clair	1,536	8.3 (17)	7.9 (23)	1,800	11.4 (25)	1,351	3.6 (21)	1,539	66.7 (35)
76Sanilac	422	6.9 (4)	6.4 (13)	511	11.2 (21)	375	2.4 (2)	426	52.8 (45)
78Shiawass	783	7.5 (8)	7.7 (22)	953	11.3 (24)	693	3.0 (8)	784	71.4 (28)
81Washtena	2,297	11.8 (42)	5.2 (7)	2,782	14.0 (42)	1,957	5.0 (39)	2,307	79.5 (13)
82Wayne	11,129	10.7 (36)	5.6 (8)	13,682	11.2 (21)	9,797	5.1 (41)	11,419	57.5 (42)
89Urban L	7,570	15.1 (46)	3.9 (1)	9,830	17.1 (46)	6,159	7.2 (46)	7,837	54.3 (44)
90Detroit	12,023	13.7 (45)	4.3 (2)	14,622	14.3 (43)	10,210	6.7 (45)	12,170	52.8 (45)
<b>Michigan</b>	<b>110,594</b>	<b>10.8</b>	<b>6.3</b>	<b>134,856</b>	<b>12.7</b>	<b>95,690</b>	<b>4.7</b>	<b>111,991</b>	<b>55.1</b>

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

(2) Excludes records with unknown data or errors.

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

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

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