

WIC PNSS & PedNSS

Table 3F

2020 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	362	93.1	0.3	1.1	0.3	0.0	5.0	0.3
02LMAS	144	75.7	0.7	0.7	2.1	0.0	20.8	0.0
04DHD#4	366	91.5	1.1	2.2	0.8	0.0	4.1	0.3
05NWMCHA	495	91.5	0.6	2.4	0.6	0.4	4.4	0.0
06CMDHD	1,023	89.1	2.0	2.9	1.7	0.4	3.9	0.1
07West UP	291	88.7	2.4	2.4	0.0	1.7	4.5	0.3
08Barry	452	87.2	2.4	8.4	0.0	1.1	0.7	0.2
09Bay	516	79.8	1.9	10.7	0.0	0.2	7.0	0.4
10Gr Trav	374	85.3	0.5	7.8	1.9	0.5	3.5	0.5
11Berrien	833	49.9	36.1	8.2	0.1	1.1	4.3	0.2
12BHS	980	81.6	0.5	12.7	0.1	0.3	4.2	0.6
13Calhoun	934	58.4	19.0	8.4	0.6	5.8	7.7	0.2
14Leelanau	109	77.1	0.9	12.8	5.5	0.0	3.7	0.0
15Interkar	2,226	59.7	4.0	29.2	0.2	1.5	4.5	0.9
17Chippewa	191	55.5	1.0	1.0	18.8	0.5	23.0	0.0
19Mid-Mich	665	88.9	0.5	8.0	0.2	0.2	2.1	0.3
21Delta	276	82.6	0.4	4.3	1.8	0.0	9.1	1.8
22Iron	187	94.7	0.0	1.6	0.5	0.0	2.7	0.5
25Genesee	2,526	45.9	41.3	5.9	0.1	0.2	6.4	0.2
30HDI	597	30.2	46.9	18.9	0.0	1.0	3.0	0.0
32Huron	146	91.1	0.7	6.2	0.0	0.0	2.1	0.0
33Ingham	1,711	41.0	27.7	17.0	0.2	5.4	8.3	0.4
35Keweenaw	43	*	*	*	*	*	*	*

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors

* 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.

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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	308	88.6	0.3	8.1	0.0	0.0	2.9	0.0
38Jackson	983	70.0	14.6	5.6	0.2	0.5	9.0	0.1
39Kalamazo	1,272	44.7	35.6	10.6	0.2	1.1	7.5	0.4
41Kent	3,291	31.6	29.4	28.4	0.3	5.2	5.0	0.1
43DHD#10	1,553	80.6	1.7	11.8	0.5	0.4	4.7	0.4
44Lapeer	272	90.8	0.7	5.1	0.0	0.4	2.9	0.0
45Tuscola	277	93.1	0.4	5.1	0.0	0.4	1.1	0.0
46CAA	440	73.0	2.3	20.5	0.0	0.2	3.9	0.2
47Livingst	320	92.2	1.6	3.1	0.0	0.6	2.2	0.3
50Macomb	2,776	50.8	33.9	2.9	0.1	8.1	3.8	0.3
51DCS	553	68.7	11.9	11.4	0.4	2.0	5.6	0.0
52Marquett	236	85.2	1.3	3.8	1.7	1.3	6.8	0.0
56MMCAA	300	89.3	1.3	3.7	0.0	2.3	3.3	0.0
58Monroe	673	81.1	7.1	5.3	0.1	0.4	4.8	1.0
61Muskegon	1,204	50.4	31.7	8.6	0.3	0.7	7.9	0.3
63Oakland	2,986	46.0	34.7	12.0	0.1	2.3	4.8	0.1
73Saginaw	730	44.5	32.1	15.1	0.0	0.7	7.0	0.7
74St Clair	684	80.0	6.9	5.6	0.0	0.6	6.9	0.1
76Sanilac	205	92.7	0.0	5.4	0.5	0.5	0.5	0.5
78Shiawass	340	87.1	0.3	9.7	0.0	0.0	2.9	0.0
81Washtena	1,014	38.0	41.1	10.4	0.1	2.7	7.5	0.3
82Wayne	5,394	56.8	29.0	5.2	0.1	5.5	3.2	0.2
89Urban L	3,592	12.9	78.6	5.2	0.0	0.4	2.6	0.2

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Michigan

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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
		%	%	%	%	%	%	%
90Detroit	5,175	8.5	73.5	15.3	0.1	0.9	1.6	0.1
Michigan	50,034	50.8	30.8	10.9	0.4	2.3	4.6	0.3
National (Prior Year)	146,574	54.6	25.3	12.2	1.2	2.5	3.9	0.3

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Table 4F

2020 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 %
01DHD#2	362	0.0	3.6	6.1	66.0	22.1	2.2	0.0
02LMAS	144	0.0	2.8	5.6	57.6	33.3	0.7	0.0
04DHD#4	366	0.0	1.9	10.7	62.8	23.5	1.1	0.0
05NWMCHA	495	0.2	1.6	5.9	67.1	23.0	2.2	0.0
06CMDHD	1,023	0.1	3.2	7.7	63.8	24.0	1.0	0.1
07West UP	291	0.0	1.0	7.6	58.4	32.3	0.7	0.0
08Barry	452	0.0	2.0	9.1	64.2	22.3	2.0	0.4
09Bay	516	0.0	2.3	8.5	62.8	25.0	1.4	0.0
10Gr Trav	374	0.3	2.4	8.0	57.0	29.1	2.4	0.8
11Berrien	833	0.0	4.4	9.4	60.1	22.0	1.9	2.2
12BHS	980	0.1	2.1	9.7	65.7	21.1	1.0	0.2
13Calhoun	934	0.0	3.3	6.5	64.1	23.7	1.9	0.4
14Leelanau	109	0.0	0.9	3.7	67.0	25.7	2.8	0.0
15InterCar	2,226	0.1	2.0	7.4	62.3	25.8	2.0	0.4
17Chippewa	191	0.0	1.6	8.4	64.9	23.0	2.1	0.0
19Mid-Mich	665	0.2	2.3	9.8	62.4	24.1	1.1	0.3
21Delta	276	0.0	2.2	6.9	60.1	30.8	0.0	0.0
22Iron	187	0.0	3.7	6.4	60.4	28.9	0.5	0.0
25Genesee	2,526	0.2	2.6	7.8	63.9	23.8	1.5	0.0
30HDI	597	0.0	3.0	7.0	63.8	23.3	2.0	0.8
32Huron	146	0.0	0.7	8.9	56.8	31.5	2.1	0.0
33Ingham	1,711	0.2	2.9	8.5	60.4	26.1	1.8	0.1
35Keweenaw	43	*	*	*	*	*	*	*
37Ionia	308	0.0	3.2	9.7	66.6	19.8	0.6	0.0

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2020 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	983	0.0	2.8	7.5	63.5	24.6	1.0	0.5
39Kalamazo	1,272	0.2	3.5	7.5	60.9	25.6	1.8	0.6
41Kent	3,291	0.1	2.1	7.7	58.6	29.5	1.5	0.5
43DHD#10	1,553	0.0	1.9	8.0	65.0	23.1	1.8	0.2
44Lapeer	272	0.0	2.9	5.5	62.9	27.6	0.7	0.4
45Tuscola	277	0.0	2.9	6.1	63.5	24.5	2.5	0.4
46CAA	440	0.2	1.8	7.7	60.0	28.9	1.1	0.2
47Livingst	320	0.0	0.9	5.3	61.6	30.6	1.6	0.0
50Macomb	2,776	0.0	1.2	3.9	57.0	35.2	2.7	0.0
51DCS	553	0.0	1.4	4.5	59.3	31.5	3.3	0.0
52Marquett	236	0.4	0.4	3.8	58.5	33.1	3.8	0.0
56MMCAA	300	0.0	2.0	5.3	62.7	29.0	1.0	0.0
58Monroe	673	0.0	2.4	7.7	60.9	26.7	2.1	0.1
61Muskegon	1,204	0.2	3.4	9.0	62.0	23.2	1.7	0.4
63Oakland	2,986	0.0	1.7	4.6	58.5	32.4	2.6	0.2
73Saginaw	730	0.1	3.2	8.8	61.9	24.9	1.1	0.0
74St Clair	684	0.3	2.3	7.6	65.9	22.2	1.5	0.1
76Sanilac	205	0.0	1.5	6.3	68.8	22.4	1.0	0.0
78Shiawass	340	0.0	2.4	7.1	67.4	22.6	0.6	0.0
81Washtena	1,014	0.0	1.3	5.6	56.9	33.6	2.4	0.2
82Wayne	5,394	0.0	1.4	4.6	59.1	31.3	3.2	0.3
89Urban L	3,592	0.2	2.5	6.9	59.4	28.5	2.4	0.2
90Detroit	5,175	0.2	2.5	6.6	57.3	30.4	2.9	0.1

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2020 Pregnancy Nutrition Surveillance (1)

Michigan

Comparison of Age Distribution by Local Agency

Michigan	50,036	0.1	2.2	6.8	60.6	27.9	2.1	0.3
National (Prior Year)	146,580	0.1	2.9	8.8	61.5	24.9	1.8	0.1

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Table 5F

2020 Pregnancy Nutrition Surveillance (1)

Michigan

Comparison of Maternal Health Indicators by Local Agency

Comparison of Maternal Health Indicators (2,3)														
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	258	6.2 (42)	61.2 (25)	82	*	*	26	*	6	*	324	6.2 (6)	325	11.4 (16)
02LMAS	132	2.3 (2)	62.1 (31)	103	16.5 (11)	52.4 (21)	5	*	2	*	128	10.9 (41)	128	14.8 (37)
04DHD#4	331	5.1 (35)	59.2 (12)	157	18.5 (27)	53.5 (30)	21	*	3	*	326	8.9 (24)	327	13.1 (26)
05NWMCHA	377	3.7 (18)	61.8 (28)	129	17.1 (15)	53.5 (30)	27	*	7	*	459	7.0 (8)	459	13.7 (32)
06CMDHD	904	3.7 (18)	61.7 (27)	611	16.4 (10)	51.9 (15)	61	*	25	*	936	9.3 (29)	938	12.5 (21)
07West UP	266	1.9 (1)	59.0 (11)	202	17.3 (18)	51.0 (11)	14	*	4	*	264	10.6 (39)	264	12.5 (21)
08Barry	223	7.2 (44)	56.5 (3)	77	*	*	29	*	9	*	416	13.0 (45)	416	15.9 (40)
09Bay	429	3.0 (6)	63.6 (39)	218	16.5 (11)	53.2 (27)	28	*	4	*	467	6.0 (5)	467	11.3 (13)
10Gr Trav	313	5.1 (35)	51.8 (2)	240	15.0 (5)	48.3 (3)	21	*	2	*	343	5.2 (3)	345	9.3 (5)
11Berrien	729	3.6 (16)	61.9 (29)	500	17.4 (20)	57.4 (39)	74	*	55	*	721	8.6 (21)	721	18.9 (46)
12BHS	706	4.2 (26)	63.5 (37)	337	19.0 (31)	49.3 (5)	34	*	17	*	897	8.5 (20)	896	7.9 (1)
13Calhoun	663	5.1 (35)	57.0 (5)	379	20.6 (36)	52.0 (16)	40	*	10	*	829	8.3 (16)	830	10.0 (8)
14Leelanau	92	*	*	50	*	*	4	*	1	*	100	9.0 (25)	100	12.0 (19)
15Inter-car	1,434	4.5 (31)	60.3 (21)	626	17.9 (22)	53.0 (25)	152	37.5 (2)	139	27.3 (1)	2,020	9.0 (25)	2,023	10.5 (9)
17Chippewa	172	2.9 (4)	62.8 (32)	124	15.3 (7)	50.8 (10)	4	*	4	*	170	8.2 (15)	172	9.9 (7)
19Mid-Mich	609	2.8 (3)	64.4 (40)	351	18.5 (27)	53.3 (28)	39	*	12	*	608	14.5 (46)	609	15.1 (38)
21Delta	255	3.5 (12)	59.6 (14)	196	18.4 (26)	52.6 (23)	12	*	3	*	242	10.7 (40)	243	13.2 (27)

(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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WIC PNSS & PedNSS

Table 5F 2020 Pregnancy Nutrition Surveillance (1) Michigan

Comparison of Maternal Health Indicators by Local Agency

Comparison of Maternal Health Indicators (2,3)														
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	135	6.7 (43)	48.1 (1)	46	*	*	13	*	5	*	163	2.5 (1)	164	16.5 (41)
25Genesee	1,745	4.3 (29)	59.8 (15)	769	17.0 (14)	52.0 (16)	151	43.0 (6)	41	*	2,272	7.9 (14)	2,276	15.6 (39)
30HDI	519	3.5 (12)	64.5 (41)	231	20.8 (37)	45.5 (1)	26	*	30	*	558	9.1 (27)	558	11.3 (13)
32Huron	128	4.7 (33)	68.8 (44)	92	*	*	10	*	3	*	142	9.9 (32)	143	11.9 (18)
33Ingham	1,370	3.9 (20)	62.0 (30)	1,094	20.3 (35)	53.7 (34)	101	32.7 (1)	18	*	1,608	7.0 (8)	1,608	13.3 (29)
35Keweenaw	37	*	*	10	*	*	2	*	0	*	36	*	36	*
37Ionia	231	6.1 (41)	60.2 (19)	167	17.4 (20)	53.3 (28)	10	*	4	*	284	9.5 (31)	284	16.9 (42)
38Jackson	682	4.5 (31)	61.6 (26)	463	14.9 (4)	55.3 (37)	36	*	9	*	914	8.4 (18)	916	11.0 (12)
39Kalamazo	1,005	3.6 (16)	60.1 (18)	502	16.1 (8)	52.2 (18)	56	*	17	*	1,091	10.0 (33)	1,091	10.6 (10)
41Kent	1,989	3.9 (20)	60.2 (19)	774	24.2 (38)	46.3 (2)	199	41.2 (4)	77	*	2,983	8.6 (21)	2,985	13.9 (33)
43DHD#10	1,268	2.9 (4)	63.0 (34)	820	20.2 (34)	50.7 (9)	68	*	42	*	1,424	10.0 (33)	1,425	14.7 (36)
44Lapeer	263	4.2 (26)	57.4 (7)	223	17.9 (22)	54.7 (36)	12	*	5	*	247	4.9 (2)	247	11.7 (17)
45Tuscola	220	4.1 (25)	63.2 (36)	170	25.3 (39)	51.8 (14)	16	*	4	*	255	11.0 (42)	256	12.9 (23)
46CAA	279	4.3 (29)	59.9 (17)	173	14.5 (1)	50.3 (6)	27	*	8	*	398	10.1 (36)	399	14.3 (35)
47Livingst	313	3.2 (9)	57.2 (6)	240	15.0 (5)	52.9 (24)	17	*	8	*	296	10.5 (38)	296	18.2 (43)
50Macomb	2,349	3.9 (20)	60.4 (22)	1,864	18.2 (24)	53.5 (30)	137	42.3 (5)	44	*	2,587	10.0 (33)	2,588	9.3 (5)
51DCS	438	5.7 (39)	56.6 (4)	251	14.7 (3)	55.8 (38)	40	*	15	*	508	11.0 (42)	508	13.0 (24)

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(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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2020 Pregnancy Nutrition Surveillance (1)

Michigan

Comparison of Maternal Health Indicators by Local Agency

Comparison of Maternal Health Indicators (2,3)														
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)
52Marquett	223	4.9 (34)	59.2 (12)	158	17.1 (15)	50.6 (7)	15	*	9	*	210	8.6 (21)	212	12.3 (20)
56MMCAA	227	3.1 (8)	63.0 (34)	16	*	*	15	*	4	*	268	11.6 (44)	268	9.0 (4)
58Monroe	584	5.7 (39)	61.0 (24)	431	16.2 (9)	53.6 (33)	39	*	14	*	604	8.4 (18)	605	18.5 (44)
61Muskegon	1,071	3.2 (9)	65.6 (43)	824	17.2 (17)	51.6 (12)	39	*	10	*	1,106	10.1 (36)	1,102	18.8 (45)
63Oakland	2,257	3.9 (20)	58.2 (8)	1,207	17.3 (18)	52.2 (18)	181	38.1 (3)	48	*	2,679	6.8 (7)	2,678	11.3 (13)
73Saginaw	560	3.2 (9)	60.5 (23)	332	14.5 (1)	53.0 (25)	47	*	12	*	662	8.3 (16)	663	10.6 (10)
74St Clair	651	3.5 (12)	58.7 (10)	546	18.7 (29)	54.4 (35)	43	*	9	*	616	7.1 (10)	617	13.0 (24)
76Sanilac	32	*	*	10	*	*	9	*	5	*	171	7.6 (11)	171	8.8 (3)
78Shiawass	306	4.2 (26)	64.7 (42)	247	18.2 (24)	50.6 (7)	12	*	5	*	300	9.3 (29)	301	13.3 (29)
81Washtena	779	4.0 (24)	59.8 (15)	489	19.4 (32)	48.9 (4)	44	*	19	*	931	9.2 (28)	931	13.2 (27)
82Wayne	3,190	5.1 (35)	58.3 (9)	1,799	16.8 (13)	52.4 (21)	321	44.5 (7)	98	*	4,890	5.8 (4)	4,884	7.9 (1)
89Urban L	2,507	3.0 (6)	62.9 (33)	1,369	19.9 (33)	52.3 (20)	230	50.9 (8)	44	*	3,301	7.8 (13)	3,305	14.2 (34)
90Detroit	3,669	3.5 (12)	63.5 (37)	1,876	18.7 (29)	51.7 (13)	327	51.1 (9)	46	*	4,843	7.6 (11)	4,849	13.3 (29)
Michigan	36,925	4.0	60.9	21,575	18.2	52.2	2,834	39.8	956	30.9	45,597	8.3	45,629	12.4
National (Prior Year)	128,555	4.0	61.6	89,471	22.3	49.7	34,531	19.0	48,409	17.0	94,843	9.2	94,594	9.6

(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

2020 Pregnancy Nutrition Surveillance (1)

Michigan

Comparison of Maternal Behavioral Indicators by Local Agency

Comparison of Maternal Behavioral Indicators (2,3)									
Local Agency	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	325	83.1 (28)	9.2 (31)	356	33.1 (24)	331	21.5 (27)	300	87.7 (32)
02LMAS	126	79.4 (37)	11.9 (36)	142	42.3 (3)	119	20.2 (32)	116	91.4 (17)
04DHD#4	328	80.8 (35)	12.2 (37)	361	36.8 (13)	323	26.9 (16)	288	92.0 (14)
05NWMCHA	462	89.2 (13)	5.0 (13)	490	30.4 (30)	433	30.0 (8)	371	89.8 (21)
06CMDHD	943	81.4 (33)	11.7 (35)	1,014	39.9 (5)	897	28.2 (13)	817	88.0 (29)
07West UP	260	85.0 (22)	10.0 (33)	286	32.2 (26)	252	33.3 (6)	223	94.2 (6)
08Barry	408	88.2 (15)	3.9 (8)	448	29.5 (32)	401	25.9 (19)	324	94.8 (3)
09Bay	472	73.1 (44)	19.7 (44)	513	41.5 (4)	473	14.0 (40)	423	84.6 (42)
10Gr Trav	346	76.9 (39)	15.3 (42)	371	27.0 (38)	325	26.5 (17)	255	89.0 (25)
11Berrien	700	74.3 (42)	11.0 (34)	815	31.5 (27)	722	19.3 (35)	601	89.5 (23)
12BHS	825	73.8 (43)	15.2 (41)	964	35.0 (15)	851	20.6 (31)	759	88.7 (27)
13Calhoun	811	93.1 (3)	4.1 (9)	920	33.8 (21)	678	23.0 (21)	677	82.6 (44)
14Leelanau	99	*	*	107	30.8 (28)	94	*	79	*
15Intercar	2,002	88.2 (15)	6.9 (26)	2,195	34.6 (17)	1,835	22.7 (22)	1,639	87.9 (30)
17Chippewa	172	96.5 (1)	2.9 (3)	186	46.8 (1)	172	34.9 (5)	157	82.2 (45)
19Mid-Mich	608	84.7 (24)	8.4 (30)	655	34.0 (20)	540	28.5 (11)	506	94.7 (4)
21Delta	238	90.3 (10)	3.4 (5)	273	34.4 (18)	235	27.2 (15)	200	94.0 (7)
22Iron	168	91.7 (6)	4.8 (12)	186	34.4 (18)	169	32.5 (7)	147	89.1 (24)
25Genesee	2,249	87.0 (20)	3.6 (7)	2,495	28.1 (35)	1,812	6.0 (45)	1,808	87.8 (31)
30HDI	554	82.7 (31)	6.5 (22)	591	37.2 (12)	533	13.5 (41)	480	85.6 (40)

(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

2020 Pregnancy Nutrition Surveillance (1)

Michigan

Comparison of Maternal Behavioral Indicators by Local Agency

Comparison of Maternal Behavioral Indicators (2,3)									
Local Agency	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	143	78.3 (38)	5.6 (18)	145	27.6 (36)	120	24.2 (20)	101	92.1 (13)
33Ingham	1,597	87.9 (18)	6.8 (25)	1,697	28.8 (33)	1,494	7.1 (44)	1,273	89.0 (25)
35Keweenaw	37	*	*	42	*	40	*	39	*
37Ionia	286	89.9 (11)	6.6 (24)	307	32.9 (25)	272	21.3 (28)	219	95.0 (1)
38Jackson	907	82.8 (30)	9.7 (32)	970	37.9 (10)	822	20.2 (32)	772	86.7 (35)
39Kalamazo	1,088	84.8 (23)	5.9 (20)	1,258	34.7 (16)	1,099	17.6 (37)	951	85.9 (38)
41Kent	2,940	84.4 (25)	5.6 (18)	3,261	24.4 (43)	2,722	21.1 (30)	2,400	89.8 (21)
43DHD#10	1,408	79.8 (36)	13.9 (39)	1,525	39.9 (5)	1,247	28.7 (10)	1,207	90.6 (20)
44Lapeer	248	76.2 (41)	14.5 (40)	266	26.7 (40)	235	21.3 (28)	198	93.9 (8)
45Tuscola	259	76.8 (40)	16.6 (43)	276	39.1 (8)	253	28.5 (11)	215	94.9 (2)
46CAA	392	91.8 (5)	3.3 (4)	439	30.5 (29)	380	21.8 (26)	327	92.0 (14)
47Livingst	295	85.8 (21)	7.8 (28)	316	26.3 (42)	254	39.8 (2)	219	93.2 (12)
50Macomb	2,572	90.8 (8)	4.6 (11)	2,729	27.2 (37)	2,010	9.9 (43)	1,984	93.5 (11)
51DCS	505	90.5 (9)	5.0 (13)	543	26.5 (41)	228	36.4 (4)	389	93.8 (9)
52Marquett	206	88.8 (14)	6.3 (21)	233	36.1 (14)	167	38.3 (3)	179	86.6 (36)
56MMCAA	268	91.0 (7)	2.6 (2)	298	33.6 (22)	273	28.9 (9)	228	94.7 (4)
58Monroe	601	84.0 (27)	7.8 (28)	664	30.3 (31)	594	22.7 (22)	488	88.3 (28)
61Muskegon	1,080	87.5 (19)	5.5 (17)	1,179	38.3 (9)	884	22.5 (24)	903	85.8 (39)
63Oakland	2,654	89.5 (12)	5.3 (15)	2,962	26.8 (39)	2,055	19.1 (36)	2,110	90.7 (19)
73Saginaw	654	82.9 (29)	7.0 (27)	725	33.5 (23)	631	16.6 (38)	550	87.3 (33)
74St Clair	616	70.5 (45)	21.8 (45)	681	39.6 (7)	579	22.1 (25)	548	86.1 (37)

(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

2020 Pregnancy Nutrition Surveillance (1)

Michigan

Comparison of Maternal Behavioral Indicators by Local Agency

Comparison of Maternal Behavioral Indicators (2,3)									
Local Agency	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	169	88.2 (15)	6.5 (22)	204	43.6 (2)	188	48.9 (1)	168	91.7 (16)
78Shiawass	297	84.2 (26)	12.5 (38)	337	37.4 (11)	231	26.0 (18)	261	83.5 (43)
81Washtena	926	92.0 (4)	4.1 (9)	996	28.4 (34)	860	13.3 (42)	717	93.7 (10)
82Wayne	4,835	93.7 (2)	2.1 (1)	5,329	23.4 (45)	3,494	28.1 (14)	3,844	90.8 (18)
89Urban L	3,276	82.1 (32)	3.4 (5)	3,520	21.3 (46)	2,108	19.7 (34)	2,389	85.2 (41)
90Detroit	4,812	80.9 (34)	5.4 (16)	5,104	23.5 (44)	3,625	15.1 (39)	3,518	87.3 (33)
Michigan	45,167	85.6	6.4	49,385	29.3	38,062	20.3	36,374	89.1
National (Prior Year)	100,055	77.9	5.0	134,286	21.1	82,984	20.5	79,295	89.0

(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

2020 Pregnancy Nutrition Surveillance (1)

Michigan

Comparison of Smoking Indicators by Local Agency

Comparison of Smoking Indicators (2,3)										
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)	Number	% (rank)
01DHD#2	331	37.2 (35)	326	27.9 (46)	97	*	300	18.0 (45)	326	4.0 (40)
02LMAS	126	41.3 (44)	127	21.3 (35)	40	*	116	17.2 (44)	127	3.1 (31)
04DHD#4	325	39.7 (40)	325	24.0 (41)	102	35.3 (17)	288	11.8 (31)	326	3.1 (31)
05NWMCHA	437	37.1 (34)	460	20.0 (27)	131	38.9 (13)	370	13.5 (39)	460	3.0 (28)
06CMDHD	935	38.3 (37)	941	24.7 (43)	293	29.7 (26)	817	15.8 (43)	940	3.2 (33)
07West UP	254	37.8 (36)	264	24.6 (42)	77	*	223	9.4 (19)	264	1.5 (17)
08Barry	401	39.2 (39)	416	19.0 (24)	123	43.1 (8)	323	8.7 (18)	416	1.2 (11)
09Bay	474	39.9 (42)	472	22.0 (39)	162	30.2 (24)	423	12.5 (35)	472	4.0 (40)
10Gr Trav	325	36.3 (31)	348	17.0 (20)	89	*	255	9.8 (20)	348	3.2 (33)
11Berrien	724	31.1 (20)	720	15.1 (17)	151	43.0 (9)	601	13.5 (39)	721	2.8 (27)
12BHS	874	32.6 (23)	899	17.8 (21)	235	35.7 (16)	758	9.9 (21)	896	1.5 (17)
13Calhoun	804	27.4 (14)	825	13.6 (14)	171	35.1 (19)	683	6.7 (12)	828	1.1 (8)
14Leelanau	98	*	100	19.0 (24)	32	*	79	*	100	4.0 (40)
15InterCar	1,968	21.3 (11)	2,022	10.5 (9)	318	41.8 (11)	1,624	4.5 (2)	2,020	1.3 (15)
17Chippewa	180	33.9 (25)	172	23.8 (40)	52	*	155	12.3 (34)	172	3.5 (38)
19Mid-Mich	581	33.9 (25)	608	20.4 (30)	159	33.3 (22)	507	14.0 (41)	609	2.5 (25)
21Delta	239	43.9 (45)	243	27.2 (45)	75	*	200	11.5 (27)	243	1.6 (20)
22Iron	172	39.0 (38)	164	26.2 (44)	51	*	146	10.3 (23)	163	1.8 (21)

(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

2020 Pregnancy Nutrition Surveillance (1)

Michigan

Comparison of Smoking Indicators by Local Agency

Comparison of Smoking Indicators (2,3)										
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)	Number	% (rank)
25Genesee	2,149	22.8 (12)	2,279	12.9 (13)	381	37.8 (15)	1,803	8.3 (17)	2,277	2.4 (23)
30HDI	534	28.1 (16)	556	11.7 (12)	126	50.0 (4)	479	11.1 (25)	557	4.1 (43)
32Huron	129	34.9 (27)	143	21.0 (34)	39	*	101	12.9 (37)	143	4.9 (44)
33Ingham	1,510	17.6 (8)	1,610	10.6 (10)	210	33.8 (20)	1,268	4.3 (1)	1,606	1.5 (17)
35Keweenaw	40	*	37	*	21	*	39	*	37	*
37Ionia	271	28.0 (15)	283	20.1 (29)	61	*	219	5.0 (5)	286	2.4 (23)
38Jackson	861	35.3 (28)	917	21.8 (37)	265	30.2 (24)	772	8.2 (16)	917	1.2 (11)
39Kalamazo	1,108	23.2 (13)	1,088	10.9 (11)	191	38.2 (14)	946	6.6 (10)	1,084	1.2 (11)
41Kent	2,880	16.4 (6)	2,987	7.1 (7)	346	47.1 (6)	2,345	4.9 (3)	2,971	0.6 (3)
43DHD#10	1,389	32.0 (22)	1,424	20.0 (27)	369	31.2 (23)	1,204	13.1 (38)	1,422	2.7 (26)
44Lapeer	236	35.6 (29)	247	17.8 (21)	59	*	198	6.6 (10)	247	2.0 (22)
45Tuscola	253	35.6 (29)	259	20.8 (32)	73	*	215	11.6 (29)	259	1.2 (11)
46CAA	385	30.6 (19)	399	13.8 (16)	90	*	327	12.2 (33)	399	3.0 (28)
47Livingst	290	31.7 (21)	295	21.4 (36)	69	*	221	5.9 (8)	295	0.7 (5)
50Macomb	2,471	15.3 (4)	2,587	6.4 (5)	287	42.5 (10)	1,980	5.5 (7)	2,586	1.1 (8)
51DCS	492	16.7 (7)	507	10.1 (8)	67	*	388	6.7 (12)	509	0.4 (1)
52Marquett	217	33.2 (24)	217	20.7 (31)	66	*	179	10.1 (22)	217	1.4 (16)
56MCAA	273	29.7 (17)	268	15.3 (19)	64	*	228	7.0 (14)	265	0.8 (6)
58Monroe	597	37.0 (33)	605	18.8 (23)	166	41.6 (12)	488	11.9 (32)	605	5.6 (45)

(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

2020 Pregnancy Nutrition Surveillance (1)

Michigan

Comparison of Smoking Indicators by Local Agency

Comparison of Smoking Indicators (2,3)										
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)	Number	% (rank)
61Muskegon	1,027	29.7 (17)	1,103	19.6 (26)	242	28.1 (27)	906	10.4 (24)	1,108	3.5 (38)
63Oakland	2,679	11.0 (1)	2,679	5.6 (4)	216	35.2 (18)	2,105	4.9 (3)	2,678	0.4 (1)
73Saginaw	633	36.3 (31)	664	13.6 (14)	181	54.7 (2)	550	11.5 (27)	663	3.3 (36)
74St Clair	614	39.7 (40)	619	21.8 (37)	197	33.5 (21)	548	14.1 (42)	618	3.4 (37)
76Sanilac	189	19.6 (10)	171	15.2 (18)	27	*	166	7.8 (15)	171	0.6 (3)
78Shiawass	308	39.9 (42)	302	20.9 (33)	95	*	259	12.7 (36)	301	7.6 (46)
81Washtena	872	18.2 (9)	926	6.9 (6)	129	49.6 (5)	714	5.9 (8)	930	0.8 (6)
82Wayne	4,752	12.0 (2)	4,882	5.5 (1)	400	44.8 (7)	3,838	5.1 (6)	4,890	1.1 (8)
89Urban L	2,922	15.1 (3)	3,313	5.5 (1)	338	54.7 (2)	2,386	11.1 (25)	3,311	3.2 (33)
90Detroit	4,313	16.1 (5)	4,857	5.5 (1)	560	55.4 (1)	3,504	11.6 (29)	4,848	3.0 (28)
Michigan	43,650	22.6	45,656	11.5	7,693	39.4	36,252	8.6	45,631	2.0
National (Prior Year)	126,132	26.9	133,382	14.1	21,263	35.7	97,728	11.9	118,446	6.6

(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

2020 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)
01DHD#2	302	7.9 (12)	9.6 (38)	311	7.4 (3)	277	5.4 (38)	302	63.6 (37)
02LMAS	125	5.6 (6)	8.8 (31)	124	11.3 (24)	109	3.7 (19)	125	76.0 (15)
04DHD#4	313	5.4 (3)	9.3 (35)	313	9.6 (13)	280	1.8 (2)	313	74.8 (18)
05NWMCHA	424	9.7 (26)	7.3 (21)	442	11.1 (20)	370	4.1 (23)	440	78.6 (10)
06CMDHD	891	8.1 (14)	9.0 (33)	908	10.4 (14)	795	4.2 (26)	893	73.7 (20)
07West UP	249	10.4 (30)	12.0 (44)	257	9.3 (9)	223	5.8 (43)	250	82.0 (6)
08Barry	389	10.3 (28)	6.4 (16)	409	11.0 (18)	345	4.1 (23)	397	83.1 (3)
09Bay	448	10.3 (28)	9.6 (38)	462	13.2 (34)	389	4.1 (23)	453	65.1 (33)
10Gr Trav	322	8.1 (14)	7.1 (20)	331	9.1 (5)	291	3.4 (16)	324	81.5 (7)
11Berrien	686	7.7 (11)	4.7 (6)	696	9.1 (5)	611	5.1 (36)	687	69.9 (26)
12BHS	854	7.5 (10)	8.3 (28)	869	9.2 (8)	763	3.1 (12)	862	79.6 (9)
13Calhoun	796	10.6 (34)	7.3 (21)	806	10.5 (16)	706	4.8 (33)	804	70.8 (25)
14Leelanau	91	*	*	96	*	77	*	91	*
15Intercar	1,750	8.1 (14)	7.4 (23)	1,950	12.5 (28)	1,514	3.1 (12)	1,926	76.8 (14)
17Chippewa	160	8.8 (19)	13.8 (45)	160	13.8 (39)	134	3.7 (19)	160	66.3 (30)
19Mid-Mich	582	8.8 (19)	7.9 (25)	590	11.2 (22)	511	2.3 (6)	584	82.2 (5)
21Delta	223	5.4 (3)	9.4 (36)	236	9.3 (9)	202	2.0 (3)	224	75.0 (16)
22Iron	160	9.4 (24)	8.1 (26)	160	13.8 (39)	137	2.9 (11)	161	72.0 (24)
25Genesee	2,193	11.5 (38)	4.4 (3)	2,232	12.9 (32)	1,897	5.5 (40)	2,197	55.6 (41)

(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

2020 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)
30HDI	529	11.7 (40)	4.3 (2)	538	13.2 (34)	458	5.5 (40)	531	59.5 (39)
32Huron	135	10.4 (30)	10.4 (42)	141	13.5 (37)	119	5.0 (34)	135	77.0 (12)
33Ingham	1,524	10.8 (35)	5.6 (11)	1,566	13.3 (36)	1,318	4.2 (26)	1,531	73.4 (22)
35Keweenaw	35	*	*	36	*	30	*	35	*
37Ionia	277	7.2 (9)	9.7 (41)	281	8.9 (4)	252	3.6 (18)	276	83.3 (2)
38Jackson	872	8.8 (19)	9.4 (36)	890	10.8 (17)	781	4.7 (31)	875	69.3 (28)
39Kalamazo	1,020	9.5 (25)	6.0 (13)	1,068	11.0 (18)	899	3.2 (14)	1,039	64.1 (34)
41Kent	2,812	12.9 (43)	5.5 (10)	2,923	15.2 (43)	2,382	5.2 (37)	2,849	73.5 (21)
43DHD#10	1,315	8.4 (18)	8.5 (30)	1,350	11.1 (20)	1,153	3.3 (15)	1,323	77.4 (11)
44Lapeer	239	10.5 (32)	10.5 (43)	238	13.9 (41)	202	5.0 (34)	239	80.3 (8)
45Tuscola	248	8.9 (22)	6.9 (18)	251	10.4 (14)	222	4.5 (30)	248	75.0 (16)
46CAA	385	4.9 (2)	8.8 (31)	393	5.9 (1)	362	2.8 (9)	385	65.5 (32)
47Livingst	283	9.2 (23)	6.0 (13)	287	12.5 (28)	247	2.0 (3)	282	83.0 (4)
50Macomb	2,470	11.4 (37)	4.9 (7)	2,500	12.5 (28)	2,134	4.7 (31)	2,482	57.9 (40)
51DCS	494	8.3 (17)	7.5 (24)	497	9.3 (9)	443	3.4 (16)	495	69.9 (26)
52Marquett	208	4.8 (1)	8.2 (27)	206	6.8 (2)	191	2.6 (7)	208	88.0 (1)
56MMCAA	261	6.5 (7)	9.6 (38)	264	9.1 (5)	235	2.1 (5)	261	77.0 (12)
58Monroe	580	6.7 (8)	6.9 (18)	589	11.4 (25)	512	1.4 (1)	580	66.2 (31)
61Muskegon	1,062	10.5 (32)	5.1 (8)	1,063	12.5 (28)	911	5.5 (40)	1,065	64.0 (35)

(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

2020 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	2,515	11.6 (39)	5.8 (12)	2,622	13.7 (38)	2,156	4.4 (28)	2,553	72.1 (23)
73Saginaw	625	12.2 (41)	6.1 (15)	652	13.0 (33)	545	4.4 (28)	633	62.9 (38)
74St Clair	594	9.9 (27)	6.7 (17)	604	11.6 (27)	526	4.0 (22)	594	64.0 (35)
76Sanilac	166	5.4 (3)	8.4 (29)	170	9.4 (12)	150	2.7 (8)	168	49.4 (45)
78Shiawass	287	8.0 (13)	9.1 (34)	295	11.5 (26)	253	2.8 (9)	288	68.8 (29)
81Washtena	887	12.3 (42)	4.5 (4)	904	16.0 (44)	735	3.7 (19)	896	74.6 (19)
82Wayne	4,486	11.1 (36)	5.2 (9)	4,766	11.2 (22)	3,956	5.4 (38)	4,679	53.8 (42)
89Urban L	3,027	14.0 (45)	4.1 (1)	3,196	16.8 (45)	2,476	6.7 (44)	3,134	50.9 (43)
90Detroit	4,531	13.9 (44)	4.5 (4)	4,730	14.3 (42)	3,846	6.9 (45)	4,630	50.0 (44)
Michigan	42,825	10.8	6.1	44,372	12.6	37,125	4.8	43,607	64.8
National (Prior Year)	99,198	9.7	6.5	100,365	12.4	84,851	4.1	99,674	52.7

(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Racial and Ethnic Distribution by Local Agency

Combined 3 Years

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	1,173	90.8	0.4	3.0	0.4	0.1	4.9	0.3
02LMAS	474	75.3	0.4	1.3	2.5	0.0	20.5	0.0
04DHD#4	1,117	92.3	0.8	2.0	0.4	0.1	4.3	0.2
05NWMCHA	1,636	90.9	0.7	2.6	0.8	0.3	4.8	0.0
06CMDHD	3,209	89.2	1.6	3.3	1.4	0.4	3.9	0.2
07West UP	873	88.8	1.7	2.4	0.1	2.1	3.8	1.1
08Barry	1,516	88.1	2.7	6.3	0.1	0.9	1.5	0.4
09Bay	1,607	80.0	1.5	11.1	0.0	0.1	6.7	0.6
10Gr Trav	1,213	83.8	0.8	7.2	1.6	1.1	4.8	0.8
11Berrien	2,743	48.5	36.7	8.1	0.4	1.0	4.4	0.8
12BHS	3,167	81.6	0.8	12.3	0.0	0.3	4.1	0.9
13Calhoun	2,877	61.5	19.0	7.1	0.3	5.0	6.7	0.4
14Leelanau	372	80.9	0.5	9.7	4.0	0.3	3.8	0.8
15Interkar	7,252	61.5	3.9	27.1	0.2	1.4	4.8	1.2
17Chippewa	657	54.3	0.6	2.7	20.4	0.6	20.5	0.6
19Mid-Mich	2,191	88.3	0.3	8.7	0.1	0.0	2.3	0.3
21Delta	882	83.6	0.2	4.0	0.8	0.2	10.1	1.1
22Iron	594	91.4	0.5	1.9	0.2	0.0	4.5	1.5
25Genesee	8,072	46.8	40.1	5.3	0.1	0.2	7.0	0.4
30HDI	1,749	25.3	51.3	19.4	0.1	0.6	3.2	0.1
32Huron	432	93.3	0.2	4.2	0.2	0.2	1.6	0.2
33Ingham	5,317	41.9	27.9	16.1	0.2	5.2	8.4	0.4
35Keweenaw	128	13.3	0.0	4.7	68.0	0.0	14.1	0.0

(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Racial and Ethnic Distribution by Local Agency

Combined 3 Years

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 %
37Ionia	1,021	88.0	0.2	8.1	0.0	0.1	3.5	0.1
38Jackson	3,066	71.7	14.1	5.3	0.1	0.4	8.1	0.3
39Kalamazo	4,090	46.8	33.0	9.9	0.1	1.1	8.8	0.4
40Kal Fam	150	36.7	41.3	12.7	0.7	1.3	7.3	0.0
41Kent	10,731	33.4	28.2	27.9	0.3	4.6	5.2	0.4
43DHD#10	4,870	82.0	1.5	11.1	0.3	0.4	4.3	0.4
44Lapeer	992	89.6	0.6	5.1	0.0	0.5	3.8	0.3
45Tuscola	936	92.0	0.1	5.1	0.0	0.1	2.6	0.1
46CAA	1,360	73.9	1.9	18.2	0.0	0.1	5.4	0.5
47Livingst	1,066	92.5	0.8	3.6	0.0	0.8	1.9	0.6
50Macomb	8,480	52.4	32.2	2.8	0.1	7.5	4.5	0.4
51DCS	1,728	69.1	11.9	11.9	0.2	1.7	5.2	0.0
52Marquett	796	86.9	0.6	3.3	1.4	0.4	7.3	0.1
56MMCAA	971	92.0	1.1	2.4	0.0	1.4	3.1	0.0
58Monroe	1,994	81.2	6.1	6.4	0.1	0.5	5.0	0.7
61Muskegon	4,029	53.3	29.2	9.0	0.3	0.5	7.5	0.3
63Oakland	9,424	47.0	33.6	12.0	0.1	2.4	4.7	0.2
73Saginaw	2,475	46.4	30.5	16.3	0.0	0.6	5.6	0.5
74St Clair	2,221	81.4	6.2	6.0	0.1	0.4	5.6	0.4
76Sanilac	625	92.8	0.0	5.4	0.2	0.2	1.1	0.3
78Shiawass	1,139	89.0	0.4	6.3	0.1	0.1	4.0	0.1
81Washtena	3,209	37.1	40.2	10.3	0.2	2.3	9.3	0.6
82Wayne	16,747	55.6	29.8	5.1	0.2	5.6	3.4	0.4
89Urban L	11,001	11.9	80.0	4.6	0.1	0.5	2.7	0.2

(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

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

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 %
90Detroit	17,041	8.3	73.4	15.4	0.1	0.9	1.8	0.1
Michigan	159,551	51.2	30.4	10.7	0.4	2.2	4.8	0.4

(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Age Distribution by Local Agency

Combined 3 Years

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 %
01DHD#2	1,173	0.0	3.4	7.8	65.9	21.6	1.3	0.0
02LMAS	474	0.0	3.8	7.4	60.5	27.4	0.8	0.0
04DHD#4	1,117	0.1	2.6	9.0	63.9	23.1	1.3	0.0
05NWMCHA	1,636	0.1	1.3	7.2	65.7	24.4	1.3	0.0
06CMDHD	3,209	0.1	3.0	8.3	65.5	21.9	1.1	0.1
07West UP	873	0.0	2.1	6.6	60.1	28.6	2.4	0.1
08Barry	1,516	0.1	2.3	9.4	62.0	24.1	1.6	0.4
09Bay	1,607	0.1	2.6	9.0	63.2	23.6	1.6	0.0
10Gr Trav	1,213	0.1	2.5	6.7	60.7	27.2	2.6	0.3
11Berrien	2,743	0.0	3.5	10.0	61.1	22.3	1.6	1.5
12BHS	3,167	0.1	2.4	9.7	64.5	21.4	1.8	0.1
13Calhoun	2,877	0.1	3.2	8.2	63.7	23.2	1.4	0.3
14Leelanau	372	0.0	2.2	5.9	63.4	26.6	1.9	0.0
15Inter-car	7,252	0.1	2.8	8.1	61.2	25.8	1.8	0.2
17Chippewa	657	0.2	1.8	7.8	62.7	25.9	1.7	0.0
19Mid-Mich	2,191	0.1	2.6	9.1	65.1	21.6	1.4	0.1
21Delta	882	0.0	2.8	7.9	62.8	25.5	0.9	0.0
22Iron	594	0.2	2.4	8.4	61.8	26.1	1.2	0.0
25Genesee	8,072	0.2	2.6	7.8	64.6	23.3	1.5	0.1
30HDI	1,749	0.2	3.6	8.0	65.1	21.2	1.7	0.3
32Huron	432	0.0	1.4	6.7	62.0	28.0	1.9	0.0
33Ingham	5,317	0.2	2.9	8.1	61.0	25.9	1.8	0.1
35Keweenaw	128	0.0	0.8	8.6	64.1	26.6	0.0	0.0
37Ionia	1,021	0.0	2.7	8.9	66.1	21.4	0.9	0.0

(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Age Distribution by Local Agency

Combined 3 Years

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	3,066	0.0	3.1	8.7	65.0	22.1	0.8	0.3
39Kalamazo	4,090	0.1	3.3	8.7	61.5	24.2	2.0	0.2
40Kal Fam	150	0.7	2.7	10.0	60.7	23.3	2.7	0.0
41Kent	10,731	0.1	2.6	7.8	58.7	28.6	1.8	0.4
43DHD#10	4,870	0.1	2.5	8.4	65.6	21.8	1.6	0.1
44Lapeer	992	0.0	3.4	6.5	63.6	25.1	1.2	0.2
45Tuscola	936	0.1	2.9	7.3	65.2	22.6	1.8	0.1
46CAA	1,360	0.1	2.1	9.1	63.4	24.3	1.0	0.1
47Livingst	1,066	0.0	1.7	5.6	61.5	29.3	1.9	0.0
50Macomb	8,480	0.0	1.3	4.5	59.2	32.3	2.6	0.0
51DCS	1,728	0.1	1.0	4.8	61.7	29.6	2.8	0.0
52Marquett	796	0.3	1.1	6.8	60.4	29.5	1.9	0.0
56MMCAA	971	0.0	1.9	5.5	65.7	25.5	1.4	0.0
58Monroe	1,994	0.0	2.7	8.8	62.3	24.4	1.7	0.1
61Muskegon	4,029	0.3	3.5	9.6	63.5	21.6	1.3	0.2
63Oakland	9,424	0.1	1.5	5.7	58.6	31.3	2.6	0.2
73Saginaw	2,475	0.1	2.8	8.8	63.9	22.9	1.4	0.0
74St Clair	2,221	0.1	3.0	7.9	64.7	22.6	1.5	0.1
76Sanilac	625	0.0	2.2	9.0	66.1	21.8	1.0	0.0
78Shiawass	1,139	0.1	3.1	8.4	68.1	19.0	1.3	0.0
81Washtena	3,209	0.1	1.9	6.1	59.0	30.3	2.4	0.2
82Wayne	16,747	0.1	1.5	5.0	60.2	30.0	3.0	0.2
89Urban L	11,001	0.2	2.5	7.1	61.9	26.1	2.2	0.1
90Detroit	17,041	0.1	2.6	7.3	59.8	27.4	2.7	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 4F

2018 - 2020 Pregnancy Nutrition Surveillance (1)

Michigan

Comparison of Age Distribution by Local Agency

Combined 3 Years

Michigan	159,551	0.1	2.4	7.3	61.7	26.3	2.0	0.2
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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 5F

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Maternal Health Indicators by Local Agency Combined 3 Years

Comparison of Maternal Health Indicators ^(2,3)														
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)
01DHD#2	853	5.4 (44)	59.8 (22)	390	18.2 (23)	50.8 (12)	144	39.6 (16)	175	36.0 (29)	1,070	5.3 (3)	1,071	9.8 (8)
02LMAS	396	3.3 (6)	62.1 (38)	261	17.6 (15)	54.4 (39)	40	*	82	*	426	9.6 (43)	426	14.1 (37)
04DHD#4	1,039	5.3 (43)	59.4 (17)	559	18.8 (30)	53.5 (30)	122	45.9 (25)	151	33.8 (23)	1,022	7.1 (17)	1,023	12.0 (23)
05NWMCHA	1,233	4.3 (28)	58.0 (13)	456	18.2 (23)	51.8 (19)	194	30.9 (9)	174	28.2 (17)	1,543	6.9 (11)	1,544	11.5 (19)
06CMDHD	2,759	3.8 (11)	60.5 (26)	1,866	17.3 (13)	51.8 (19)	368	30.2 (8)	439	22.6 (7)	2,969	7.5 (22)	2,974	12.5 (24)
07West UP	696	3.3 (6)	55.6 (5)	407	17.9 (17)	49.1 (7)	104	20.2 (2)	168	15.5 (4)	786	8.0 (27)	787	10.5 (14)
08Barry	896	5.5 (46)	57.6 (10)	408	18.1 (21)	52.2 (22)	188	38.8 (13)	230	16.1 (6)	1,379	9.8 (45)	1,381	14.0 (36)
09Bay	1,354	3.3 (6)	62.2 (40)	881	17.4 (14)	52.4 (25)	204	29.4 (6)	150	15.3 (2)	1,482	6.3 (7)	1,482	10.2 (10)
10Gr Trav	1,064	4.1 (21)	52.3 (1)	854	15.3 (2)	52.3 (24)	133	54.1 (36)	128	32.8 (21)	1,125	8.6 (36)	1,128	9.6 (5)
11Berrien	2,342	3.8 (11)	61.4 (34)	1,685	18.9 (32)	53.5 (30)	360	44.2 (21)	338	24.3 (12)	2,449	7.4 (21)	2,449	15.3 (41)
12BHS	2,521	5.1 (42)	61.4 (34)	1,346	18.0 (19)	53.0 (28)	377	24.1 (4)	406	28.1 (16)	2,891	7.2 (18)	2,890	8.9 (4)
13Calhoun	2,214	4.1 (21)	60.0 (23)	1,276	20.9 (41)	53.4 (29)	305	44.6 (23)	412	29.6 (18)	2,589	8.2 (31)	2,590	9.7 (7)
14Leelanau	331	4.2 (26)	59.5 (19)	231	16.9 (11)	53.7 (34)	39	*	47	*	350	9.7 (44)	350	10.3 (12)
15Intercar	5,450	4.6 (34)	60.6 (27)	2,992	20.9 (41)	47.8 (4)	848	42.7 (18)	1,340	33.8 (23)	6,579	8.4 (33)	6,590	10.2 (10)
17Chippewa	541	4.1 (21)	60.3 (25)	348	16.1 (6)	54.3 (38)	69	*	90	*	587	7.2 (18)	588	11.1 (17)
19Mid-Mich	2,029	4.6 (34)	62.3 (41)	1,484	18.4 (27)	52.2 (22)	250	18.4 (1)	422	13.7 (1)	2,041	10.8 (47)	2,044	14.7 (40)
21Delta	722	3.0 (2)	57.6 (10)	517	15.9 (4)	53.6 (32)	99	*	153	22.9 (10)	777	9.5 (42)	779	13.5 (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) 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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Maternal Health Indicators by Local Agency

Combined 3 Years

Comparison of Maternal Health Indicators ^(2,3)														
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	450	6.4 (47)	52.7 (2)	164	15.9 (4)	48.8 (6)	68	*	85	*	523	4.2 (2)	524	14.3 (39)
25Genesee	6,074	4.9 (38)	58.4 (16)	2,871	18.0 (19)	51.6 (16)	1,192	51.3 (33)	975	33.0 (22)	7,409	7.7 (24)	7,418	15.5 (42)
30HDI	1,603	3.1 (3)	66.8 (48)	1,057	21.5 (43)	46.6 (2)	220	48.2 (28)	695	38.8 (37)	1,623	6.7 (10)	1,622	11.7 (20)
32Huron	363	5.0 (39)	66.7 (47)	273	15.4 (3)	55.3 (42)	47	*	75	*	410	7.6 (23)	412	12.6 (25)
33Ingham	4,385	4.3 (28)	61.1 (31)	3,499	19.2 (35)	52.7 (27)	709	46.3 (26)	622	32.0 (20)	4,970	6.9 (11)	4,972	11.1 (17)
35Keweenaw	100	0.0 (1)	65.0 (46)	20	*	*	17	*	29	*	111	8.1 (30)	111	17.1 (48)
37Ionia	714	4.6 (34)	61.1 (31)	482	16.2 (7)	55.2 (41)	120	25.8 (5)	198	15.7 (5)	935	9.1 (39)	933	16.8 (47)
38Jackson	2,219	5.0 (39)	61.2 (33)	1,343	16.6 (8)	54.1 (35)	351	41.6 (17)	357	38.1 (35)	2,831	6.9 (11)	2,836	10.6 (15)
39Kalamazo	3,300	3.8 (11)	60.0 (23)	1,705	16.7 (9)	54.1 (35)	444	48.6 (29)	684	38.2 (36)	3,661	8.9 (38)	3,662	10.3 (12)
40Kal Fam	124	3.2 (5)	62.1 (38)	53	*	*	0	*	22	*	127	5.5 (4)	127	11.8 (21)
41Kent	7,174	3.9 (16)	59.4 (17)	3,053	26.0 (44)	43.0 (1)	1,470	43.1 (19)	2,610	36.4 (30)	9,889	7.8 (25)	9,899	13.3 (30)
43DHD#10	4,132	3.8 (11)	60.7 (28)	2,678	19.7 (38)	50.4 (11)	563	36.9 (11)	770	26.6 (13)	4,496	8.0 (27)	4,497	12.9 (27)
44Lapeer	974	4.3 (28)	55.7 (6)	855	16.7 (9)	54.4 (39)	134	38.8 (13)	213	31.9 (19)	922	4.1 (1)	922	7.3 (1)
45Tuscola	715	5.0 (39)	59.7 (21)	558	18.3 (26)	56.5 (44)	109	21.1 (3)	132	22.7 (8)	884	9.4 (41)	885	13.6 (33)
46CAA	1,035	3.9 (16)	58.2 (15)	341	17.9 (17)	47.5 (3)	213	49.8 (32)	250	41.6 (38)	1,234	8.5 (34)	1,236	13.3 (30)
47Livingst	1,021	4.4 (31)	52.7 (2)	714	17.2 (12)	51.7 (17)	131	33.6 (10)	262	15.3 (2)	983	11.7 (48)	982	16.4 (45)
50Macomb	7,411	4.1 (21)	60.8 (29)	6,009	19.2 (35)	51.7 (17)	1,224	45.3 (24)	1,594	33.8 (23)	7,909	8.8 (37)	7,908	9.6 (5)

(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Maternal Health Indicators by Local Agency Combined 3 Years

Comparison of Maternal Health Indicators ^(2,3)														
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)
51DCS	1,487	4.5 (33)	57.4 (9)	1,003	15.2 (1)	54.2 (37)	249	37.3 (12)	327	27.2 (15)	1,594	10.0 (46)	1,595	13.0 (28)
52Marquett	717	3.9 (16)	56.6 (7)	527	18.8 (30)	49.1 (7)	91	*	148	23.0 (11)	707	5.7 (5)	712	16.2 (44)
56MMCAA	828	3.1 (3)	61.8 (37)	87	*	*	110	30.0 (7)	299	22.7 (8)	904	8.3 (32)	905	12.7 (26)
58Monroe	1,664	4.4 (31)	61.4 (34)	1,104	20.8 (40)	49.5 (9)	258	51.9 (34)	291	34.0 (26)	1,805	7.8 (25)	1,807	15.8 (43)
61Muskegon	3,651	3.9 (16)	62.9 (42)	2,600	19.0 (33)	50.9 (13)	392	43.4 (20)	373	27.1 (14)	3,695	8.5 (34)	3,696	16.6 (46)
63Oakland	7,848	4.0 (20)	57.9 (12)	4,817	17.6 (15)	52.4 (25)	1,334	46.9 (27)	1,553	36.4 (30)	8,630	6.2 (6)	8,630	10.1 (9)
73Saginaw	1,963	4.1 (21)	59.5 (19)	1,355	18.2 (23)	50.9 (13)	331	52.6 (35)	335	34.0 (26)	2,286	7.2 (18)	2,288	10.8 (16)
74St Clair	2,104	5.4 (44)	56.8 (8)	1,801	18.1 (21)	55.8 (43)	242	44.2 (21)	318	36.5 (32)	2,026	6.9 (11)	2,030	13.9 (35)
76Sanilac	108	6.5 (48)	54.6 (4)	51	*	*	82	*	83	*	553	6.9 (11)	553	8.1 (2)
78Shiawass	1,075	4.2 (26)	63.0 (43)	886	20.0 (39)	48.1 (5)	129	39.5 (15)	181	35.4 (28)	1,037	9.3 (40)	1,039	13.6 (33)
81Washtena	2,762	3.8 (11)	60.8 (29)	1,821	19.5 (37)	49.5 (9)	453	49.7 (31)	659	37.8 (34)	2,891	8.0 (27)	2,893	13.1 (29)
82Wayne	11,496	4.6 (34)	58.1 (14)	6,900	18.4 (27)	50.9 (13)	2,572	49.0 (30)	3,284	36.9 (33)	15,405	7.0 (16)	15,398	8.3 (3)
89Urban L	8,703	3.4 (9)	63.2 (44)	5,208	18.6 (29)	53.6 (32)	1,510	61.2 (38)	1,186	53.0 (40)	10,191	6.6 (9)	10,201	14.2 (38)
90Detroit	13,221	3.5 (10)	63.5 (45)	8,222	19.0 (33)	51.9 (21)	2,413	56.1 (37)	1,682	43.0 (39)	16,027	6.5 (8)	16,033	11.9 (22)
Michigan	125,954	4.1	60.3	78,065	18.8	51.5	21,022	46.2	25,209	34.2	146,794	7.5	146,883	11.9

(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Maternal Behavioral Indicators by Local Agency

Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2,3)									
Local Agency	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	1,063	83.5 (27)	9.9 (34)	1,152	34.1 (24)	1,045	21.1 (26)	948	90.7 (17)
02LMAS	426	78.4 (44)	13.4 (41)	467	42.4 (3)	393	23.2 (23)	383	89.3 (22)
04DHD#4	1,022	83.0 (28)	9.8 (33)	1,097	36.7 (15)	982	25.1 (17)	873	90.8 (15)
05NWMCHA	1,551	89.6 (10)	4.8 (11)	1,614	32.2 (29)	1,462	29.8 (10)	1,246	88.1 (28)
06CMDHD	2,972	81.0 (36)	12.2 (37)	3,175	39.2 (7)	2,799	26.2 (14)	2,572	88.1 (28)
07West UP	784	85.6 (23)	8.8 (30)	857	32.7 (26)	773	39.5 (3)	674	93.9 (4)
08Barry	1,371	88.0 (16)	5.3 (15)	1,502	31.2 (31)	1,374	23.8 (20)	1,142	93.9 (4)
09Bay	1,482	74.5 (46)	19.7 (47)	1,597	40.8 (4)	1,477	14.4 (43)	1,336	85.5 (39)
10Gr Trav	1,130	79.3 (41)	13.8 (44)	1,201	28.1 (38)	1,065	23.8 (20)	844	87.3 (32)
11Berrien	2,387	72.8 (47)	12.1 (36)	2,698	30.7 (32)	2,362	16.5 (40)	2,003	89.3 (22)
12BHS	2,699	76.3 (45)	13.5 (42)	3,119	34.8 (22)	2,777	19.5 (31)	2,453	86.6 (35)
13Calhoun	2,537	90.2 (7)	5.2 (13)	2,835	35.2 (20)	2,046	19.3 (32)	2,143	82.5 (45)
14Leelanau	348	82.5 (30)	11.8 (35)	368	33.4 (25)	291	34.7 (7)	272	85.3 (41)
15Intercar	6,512	87.7 (18)	6.8 (23)	7,152	34.6 (23)	5,673	24.0 (19)	5,342	85.4 (40)
17Chippewa	590	89.2 (13)	6.9 (24)	636	44.2 (2)	559	41.5 (2)	523	83.2 (44)
19Mid-Mich	2,036	80.8 (37)	12.7 (39)	2,158	35.3 (19)	1,861	25.4 (16)	1,666	92.5 (9)
21Delta	770	90.3 (6)	4.0 (6)	869	38.8 (10)	757	25.9 (15)	672	92.4 (10)
22Iron	536	87.9 (17)	8.6 (29)	589	39.9 (6)	530	36.6 (5)	485	91.8 (14)
25Genesee	7,367	86.1 (22)	4.1 (8)	7,936	25.0 (42)	6,206	7.4 (47)	5,717	87.7 (31)
30HDI	1,611	82.0 (32)	5.8 (16)	1,738	37.0 (14)	1,538	12.2 (46)	1,415	81.7 (47)
32Huron	410	82.0 (32)	8.8 (30)	430	32.3 (28)	365	31.8 (8)	312	89.4 (21)

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(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Maternal Behavioral Indicators by Local Agency

Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2,3)									
Local Agency	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)
33Ingham	4,928	86.9 (20)	6.3 (22)	5,270	29.5 (35)	4,680	7.3 (48)	3,957	90.8 (15)
35Keweenaw	112	92.0 (2)	0.9 (1)	125	36.0 (17)	116	23.3 (22)	110	97.3 (1)
37Ionia	930	93.0 (1)	3.9 (5)	1,016	32.7 (26)	906	21.3 (25)	754	94.4 (3)
38Jackson	2,812	85.1 (24)	7.9 (26)	3,029	39.1 (8)	2,654	17.2 (35)	2,449	85.8 (36)
39Kalamazo	3,636	83.9 (26)	7.9 (26)	4,044	36.5 (16)	3,628	16.2 (41)	3,157	83.4 (43)
40Kal Fam	125	82.4 (31)	14.4 (45)	149	80.5 (1)	146	17.1 (36)	150	68.7 (48)
41Kent	9,806	84.2 (25)	5.8 (16)	10,615	25.3 (41)	8,997	20.2 (28)	8,006	90.5 (18)
43DHD#10	4,463	80.8 (37)	12.4 (38)	4,793	38.4 (11)	3,829	29.7 (11)	3,832	88.4 (26)
44Lapeer	922	80.2 (39)	13.2 (40)	972	29.9 (34)	887	16.6 (38)	738	93.9 (4)
45Tuscola	888	78.8 (43)	13.6 (43)	922	35.6 (18)	819	26.7 (12)	699	93.8 (7)
46CAA	1,221	89.3 (11)	5.0 (12)	1,343	27.0 (39)	1,168	22.0 (24)	1,000	88.7 (25)
47Livingst	979	89.3 (11)	4.7 (10)	1,046	23.0 (46)	787	38.8 (4)	703	92.2 (11)
50Macomb	7,852	90.1 (8)	4.5 (9)	8,326	24.9 (43)	5,931	12.9 (45)	5,958	92.1 (12)
51DCS	1,583	90.5 (5)	4.0 (6)	1,700	24.2 (44)	1,062	26.6 (13)	1,218	93.4 (8)
52Marquett	698	89.1 (14)	5.9 (19)	786	35.1 (21)	586	36.0 (6)	611	90.3 (19)
56MMCAA	907	90.0 (9)	5.2 (13)	963	29.0 (36)	868	31.5 (9)	725	94.9 (2)
58Monroe	1,801	82.0 (32)	9.2 (32)	1,966	30.4 (33)	1,767	20.6 (27)	1,475	87.9 (30)
61Muskegon	3,630	87.4 (19)	5.8 (16)	3,935	38.9 (9)	3,264	19.6 (30)	3,064	82.5 (45)
63Oakland	8,503	88.1 (15)	5.9 (19)	9,320	26.9 (40)	6,637	16.6 (38)	6,798	88.3 (27)
73Saginaw	2,255	81.1 (35)	8.2 (28)	2,450	31.5 (30)	2,127	16.8 (37)	1,845	87.3 (32)
74St Clair	2,023	70.2 (48)	21.7 (48)	2,202	37.9 (12)	1,847	20.0 (29)	1,770	85.8 (36)

(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Maternal Behavioral Indicators by Local Agency Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2,3)									
Local Agency	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)
76Sanilac	542	86.7 (21)	7.7 (25)	621	40.4 (5)	535	44.9 (1)	512	89.5 (20)
78Shiawass	1,028	79.0 (42)	15.3 (46)	1,131	37.1 (13)	951	19.2 (33)	892	87.0 (34)
81Washtena	2,888	91.0 (4)	3.2 (4)	3,156	28.9 (37)	2,795	15.2 (42)	2,381	91.9 (13)
82Wayne	15,262	92.0 (2)	2.4 (2)	16,518	22.7 (47)	11,724	24.9 (18)	11,819	89.2 (24)
89Urban L	10,113	82.9 (29)	2.7 (3)	10,770	21.4 (48)	6,751	18.4 (34)	7,538	85.0 (42)
90Detroit	15,886	79.4 (40)	5.9 (19)	16,809	23.4 (45)	11,346	14.3 (44)	11,850	85.7 (38)
Michigan	145,457	84.9	6.6	157,300	29.1	123,217	19.5	117,076	88.0

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(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Smoking Indicators by Local Agency

Combined 3 Years

Comparison of Smoking Indicators ^(2,3)										
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)	Number	% (rank)
01DHD#2	1,052	43.6 (45)	1,071	31.2 (47)	378	24.3 (43)	947	18.6 (48)	1,070	4.0 (39)
02LMAS	424	42.7 (44)	427	28.1 (44)	151	25.2 (41)	383	16.7 (44)	427	2.6 (24)
04DHD#4	989	45.4 (46)	1,021	27.2 (43)	368	34.2 (26)	873	13.6 (36)	1,023	3.7 (36)
05NWMCHA	1,471	39.6 (39)	1,547	23.7 (37)	483	35.2 (23)	1,245	14.9 (40)	1,545	4.5 (42)
06CMDHD	2,905	41.5 (43)	2,980	26.1 (41)	995	32.3 (32)	2,572	16.5 (43)	2,981	4.1 (40)
07West UP	784	36.9 (30)	787	26.6 (42)	235	25.1 (42)	673	9.7 (19)	787	1.9 (14)
08Barry	1,375	38.5 (36)	1,381	19.6 (23)	411	41.8 (12)	1,141	8.4 (13)	1,381	2.2 (20)
09Bay	1,481	37.9 (34)	1,490	23.2 (36)	496	28.8 (37)	1,335	13.1 (33)	1,489	3.9 (38)
10Gr Trav	1,066	35.0 (24)	1,132	19.6 (23)	304	37.2 (18)	844	10.0 (21)	1,132	2.8 (26)
11Berrien	2,371	30.2 (17)	2,453	15.1 (17)	533	41.5 (13)	2,003	13.4 (34)	2,454	3.7 (36)
12BHS	2,813	35.7 (26)	2,892	21.2 (27)	801	33.7 (27)	2,449	12.7 (31)	2,887	2.8 (26)
13Calhoun	2,502	29.5 (14)	2,578	17.2 (20)	599	27.2 (40)	2,158	8.4 (13)	2,590	1.8 (12)
14Leelanau	333	40.2 (41)	350	22.0 (30)	109	37.6 (16)	274	12.4 (28)	350	3.4 (34)
15InterCar	6,346	23.2 (10)	6,585	12.3 (10)	1,230	37.6 (16)	5,333	5.1 (3)	6,584	1.4 (7)
17Chippewa	593	40.5 (42)	586	30.2 (46)	203	16.3 (46)	523	18.4 (47)	587	10.1 (48)
19Mid-Mich	1,932	37.6 (33)	2,042	22.0 (30)	599	35.1 (24)	1,667	12.4 (28)	2,048	2.8 (26)
21Delta	784	45.5 (47)	780	25.0 (39)	271	38.7 (14)	672	14.0 (39)	779	2.8 (26)
22Iron	542	40.0 (40)	524	29.4 (45)	180	18.3 (45)	484	10.5 (22)	523	2.7 (25)
25Genesee	6,887	26.0 (12)	7,446	14.9 (16)	1,426	35.9 (22)	5,713	8.7 (16)	7,436	2.1 (15)

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

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(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Smoking Indicators by Local Agency

Combined 3 Years

Comparison of Smoking Indicators ^(2,3)										
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)	Number	% (rank)
30HDI	1,542	30.2 (17)	1,621	13.9 (14)	403	45.2 (8)	1,414	10.6 (23)	1,621	3.0 (32)
32Huron	393	36.4 (28)	412	22.3 (33)	121	36.4 (21)	313	15.3 (41)	412	4.9 (45)
33Ingham	4,706	17.7 (4)	4,973	10.8 (9)	673	33.6 (29)	3,943	6.0 (5)	4,962	2.8 (26)
35Keweenaw	116	62.1 (48)	112	45.5 (48)	58	*	110	17.3 (45)	112	0.9 (1)
37Ionia	905	34.5 (22)	935	21.1 (26)	259	29.0 (36)	754	8.6 (15)	938	2.3 (21)
38Jackson	2,740	37.4 (32)	2,838	24.7 (38)	874	28.8 (37)	2,447	10.7 (24)	2,839	2.1 (15)
39Kalamazo	3,650	24.1 (11)	3,655	13.5 (12)	691	32.3 (32)	3,151	7.5 (11)	3,651	1.3 (4)
40Kal Fam	150	30.0 (16)	127	13.4 (11)	37	*	150	12.7 (31)	127	2.4 (23)
41Kent	9,477	18.1 (6)	9,909	8.4 (5)	1,317	43.8 (10)	7,909	5.1 (3)	9,875	1.4 (7)
43DHD#10	4,336	34.6 (23)	4,502	21.8 (29)	1,278	30.0 (35)	3,829	13.5 (35)	4,501	2.9 (31)
44Lapeer	888	31.3 (19)	921	14.7 (15)	201	43.3 (11)	738	4.9 (2)	920	1.1 (3)
45Tuscola	824	36.5 (29)	889	22.0 (30)	250	34.4 (25)	699	12.6 (30)	890	1.8 (12)
46CAA	1,178	35.0 (24)	1,239	15.7 (18)	313	46.0 (6)	996	9.9 (20)	1,240	3.6 (35)
47Livingst	945	31.6 (21)	979	19.5 (22)	223	36.8 (19)	706	6.2 (6)	981	2.1 (15)
50Macomb	7,477	18.2 (7)	7,908	8.6 (6)	1,011	45.7 (7)	5,968	7.3 (10)	7,908	1.6 (11)
51DCS	1,513	20.9 (8)	1,592	9.7 (7)	251	45.0 (9)	1,218	6.4 (7)	1,595	1.4 (7)
52Marquett	724	38.1 (35)	717	25.4 (40)	234	32.9 (30)	613	9.3 (18)	715	2.1 (15)
56MMCAA	869	29.9 (15)	905	19.2 (21)	210	31.9 (34)	725	7.6 (12)	901	2.3 (21)
58Monroe	1,774	37.2 (31)	1,808	21.2 (27)	508	36.8 (19)	1,475	12.3 (27)	1,807	3.3 (33)

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(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Smoking Indicators by Local Agency

Combined 3 Years

Comparison of Smoking Indicators ^(2,3)										
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)
61Muskegon	3,493	31.3 (19)	3,689	20.4 (25)	916	28.7 (39)	3,068	12.0 (26)	3,702	4.7 (44)
63Oakland	8,471	12.6 (1)	8,633	6.2 (2)	803	38.5 (15)	6,788	4.7 (1)	8,630	0.9 (1)
73Saginaw	2,135	35.7 (26)	2,293	13.5 (12)	623	53.3 (3)	1,844	11.4 (25)	2,294	2.1 (15)
74St Clair	1,983	39.4 (38)	2,037	22.7 (34)	638	33.7 (27)	1,768	17.6 (46)	2,032	5.5 (47)
76Sanilac	569	26.5 (13)	552	16.3 (19)	120	20.0 (44)	512	9.0 (17)	552	1.3 (4)
78Shiawass	1,037	39.1 (37)	1,041	22.8 (35)	337	32.9 (30)	890	15.5 (42)	1,038	4.6 (43)
81Washtena	2,823	21.8 (9)	2,896	9.9 (8)	474	47.5 (4)	2,377	7.1 (9)	2,900	1.3 (4)
82Wayne	14,744	14.5 (2)	15,398	6.9 (4)	1,542	46.7 (5)	11,796	6.5 (8)	15,407	1.5 (10)
89Urban L	9,115	18.0 (5)	10,205	6.6 (3)	1,299	58.3 (1)	7,529	13.6 (36)	10,195	4.9 (45)
90Detroit	14,278	16.7 (3)	16,054	5.8 (1)	1,951	56.7 (2)	11,831	13.8 (38)	16,043	4.1 (40)
Michigan	139,618	24.5	146,978	13.0	27,387	38.9	116,894	9.8	146,919	2.7

(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Infant Health Indicators by Local Agency

Combined 3 Years

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)
01DHD#2	1,002	7.4 (9)	8.6 (34)	1,024	7.8 (1)	916	4.3 (34)	1,003	66.9 (38)
02LMAS	417	7.4 (9)	9.8 (43)	415	9.6 (6)	370	4.1 (28)	417	74.3 (26)
04DHD#4	965	7.8 (14)	9.6 (41)	973	10.0 (10)	857	3.3 (15)	964	75.7 (22)
05NWMCHA	1,376	8.5 (26)	7.9 (23)	1,491	9.9 (7)	1,224	3.6 (21)	1,468	81.5 (9)
06CMDHD	2,805	7.9 (15)	8.3 (28)	2,881	10.2 (13)	2,510	3.9 (27)	2,811	75.8 (21)
07West UP	737	7.9 (15)	10.3 (44)	755	8.3 (2)	663	4.4 (35)	739	82.4 (6)
08Barry	1,303	8.1 (21)	9.1 (38)	1,362	10.1 (12)	1,174	3.8 (26)	1,328	82.0 (7)
09Bay	1,410	8.6 (30)	8.4 (31)	1,454	10.7 (16)	1,263	3.6 (21)	1,416	67.1 (37)
10Gr Trav	1,070	7.6 (12)	11.0 (45)	1,097	9.1 (4)	965	2.5 (6)	1,072	83.2 (4)
11Berrien	2,312	7.9 (15)	5.8 (10)	2,377	9.2 (5)	2,074	4.4 (35)	2,315	70.4 (31)
12BHS	2,716	7.3 (6)	7.6 (17)	2,798	10.0 (10)	2,420	2.7 (7)	2,736	80.2 (10)
13Calhoun	2,483	9.2 (32)	7.6 (17)	2,519	10.3 (14)	2,206	4.2 (31)	2,495	72.2 (28)
14Leelanau	332	7.5 (11)	7.8 (21)	342	12.3 (36)	291	1.7 (3)	332	85.5 (2)
15Intercar	6,045	7.9 (15)	8.6 (34)	6,370	11.7 (33)	5,290	3.1 (12)	6,264	77.2 (18)
17Chippewa	546	7.3 (6)	11.7 (48)	549	11.5 (29)	468	2.4 (5)	547	67.5 (36)
19Mid-Mich	1,939	8.0 (20)	8.4 (31)	1,974	11.2 (22)	1,705	2.8 (8)	1,943	83.2 (4)
21Delta	730	7.3 (6)	9.0 (37)	749	9.9 (7)	654	3.2 (13)	731	75.6 (23)
22Iron	497	8.5 (26)	9.1 (38)	507	10.7 (16)	440	3.6 (21)	498	75.1 (24)
25Genesee	7,179	12.0 (45)	5.3 (7)	7,278	13.5 (42)	6,148	5.8 (45)	7,191	56.4 (45)

(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

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

Comparison of Infant Health Indicators by Local Agency

Combined 3 Years

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)
30HDI	1,539	12.0 (45)	4.5 (4)	1,564	13.5 (42)	1,331	4.7 (42)	1,541	60.2 (42)
32Huron	383	9.7 (34)	11.2 (46)	398	11.3 (26)	343	4.1 (28)	383	78.6 (15)
33Ingham	4,674	10.2 (36)	6.5 (14)	4,837	12.7 (41)	4,078	4.4 (35)	4,705	76.6 (19)
35Keweenaw	105	6.7 (4)	11.4 (47)	110	10.9 (19)	92	*	104	77.9 (17)
37Ionia	905	8.4 (24)	8.0 (24)	918	10.9 (19)	805	2.9 (10)	905	83.4 (3)
38Jackson	2,688	9.6 (33)	8.1 (25)	2,748	11.5 (29)	2,377	4.2 (31)	2,691	71.9 (29)
39Kalamazo	3,423	10.4 (37)	7.7 (20)	3,549	12.3 (36)	2,985	3.7 (25)	3,467	69.6 (33)
40Kal Fam	122	3.3 (1)	4.1 (2)	125	11.2 (22)	108	0.9 (1)	122	78.7 (14)
41Kent	9,367	11.9 (44)	6.3 (13)	9,655	14.5 (47)	7,976	4.7 (42)	9,425	75.1 (24)
43DHD#10	4,190	7.9 (15)	8.1 (25)	4,298	11.5 (29)	3,660	3.2 (13)	4,200	78.2 (16)
44Lapeer	882	8.4 (24)	8.6 (34)	887	11.3 (26)	768	3.4 (18)	882	79.7 (11)
45Tuscola	839	8.5 (26)	9.2 (40)	855	11.2 (22)	736	3.3 (15)	838	76.1 (20)
46CAA	1,178	5.8 (2)	8.2 (27)	1,216	8.8 (3)	1,066	2.8 (8)	1,179	68.7 (34)
47Livingst	951	10.0 (35)	8.3 (28)	960	12.4 (38)	831	3.5 (19)	950	81.8 (8)
50Macomb	7,570	10.6 (39)	5.2 (6)	7,661	12.6 (40)	6,521	4.5 (38)	7,625	60.0 (43)
51DCS	1,537	8.7 (31)	6.6 (15)	1,556	11.4 (28)	1,345	3.6 (21)	1,543	70.1 (32)
52Marquett	691	8.5 (26)	8.5 (33)	700	10.9 (19)	613	4.1 (28)	692	85.8 (1)
56MMCAA	867	6.9 (5)	9.7 (42)	891	9.9 (7)	776	2.3 (4)	867	79.0 (13)
58Monroe	1,724	8.2 (23)	6.8 (16)	1,760	11.6 (32)	1,511	2.9 (10)	1,725	65.5 (40)

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(4) <2500 g.

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WIC PNSS & PedNSS

Table 8F

2018 - 2020 Pregnancy Nutrition Surveillance ⁽¹⁾

Michigan

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Local Agency	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
61Muskegon	3,531	10.8 (41)	5.3 (7)	3,563	14.2 (45)	2,966	4.6 (40)	3,537	66.1 (39)
63Oakland	8,220	11.2 (42)	6.2 (12)	8,433	12.4 (38)	7,149	4.6 (40)	8,291	71.9 (29)
73Saginaw	2,209	10.7 (40)	5.7 (9)	2,247	12.0 (35)	1,935	4.2 (31)	2,218	62.6 (41)
74St Clair	1,949	7.7 (13)	8.3 (28)	1,988	10.8 (18)	1,732	3.5 (19)	1,952	68.4 (35)
76Sanilac	536	6.0 (3)	7.8 (21)	549	11.7 (33)	472	1.1 (2)	538	53.7 (46)
78Shiawass	990	8.1 (21)	7.6 (17)	1,007	10.5 (15)	884	3.3 (15)	991	73.6 (27)
81Washtena	2,767	11.5 (43)	5.0 (5)	2,818	14.0 (44)	2,369	4.5 (38)	2,752	79.1 (12)
82Wayne	14,460	10.5 (38)	5.9 (11)	15,022	11.2 (22)	12,740	4.9 (44)	14,768	57.7 (44)
89Urban L	9,264	14.5 (48)	3.8 (1)	9,871	17.1 (48)	7,539	6.7 (47)	9,650	53.6 (47)
90Detroit	15,110	13.3 (47)	4.3 (3)	15,631	14.4 (46)	12,806	6.4 (46)	15,277	51.9 (48)
Michigan	138,554	10.4	6.4	142,789	12.5	120,167	4.6	140,109	57.4

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(5) >4000 g.

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

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