

WIC PNSS & PedNSS

Table 3F

2022 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	235	91.5	0.4	3.8	0.0	0.0	4.3	0.0
02LMAS	95	68.4	0.0	3.2	8.4	0.0	20.0	0.0
04DHD#4	262	88.9	0.8	3.1	0.4	0.4	6.5	0.0
05NWMCHA	304	91.4	1.0	2.6	0.0	0.0	4.9	0.0
06CMDHD	822	88.0	1.8	5.0	1.7	0.5	3.0	0.0
07West UP	188	84.6	3.2	3.2	1.6	1.1	5.3	1.1
08Barry	338	88.2	3.6	5.6	0.3	1.2	1.2	0.0
09Bay	374	82.4	1.9	8.6	0.3	0.3	5.6	1.1
10Gr Trav	264	81.4	1.1	9.1	1.5	0.8	6.1	0.0
11Berrien	548	53.3	30.7	8.6	0.4	2.0	5.1	0.0
12BHS	678	79.1	1.6	14.7	0.3	0.4	3.5	0.3
13Calhoun	695	62.3	20.3	7.6	0.1	3.5	6.0	0.1
14Leelanau	73	79.5	0.0	8.2	2.7	0.0	9.6	0.0
15Interkar	1,695	61.5	4.5	27.7	0.0	0.9	4.5	0.9
17Chippewa	128	59.4	0.8	0.8	25.0	0.8	13.3	0.0
19Mid-Mich	461	89.6	0.0	7.2	0.0	0.0	3.0	0.2
21Delta	199	78.4	0.5	4.0	5.0	0.0	8.5	3.5
22Iron	135	93.3	0.0	2.2	0.0	1.5	2.2	0.7
25Genesee	1,895	51.3	36.4	6.1	0.1	0.2	5.6	0.3
30HDI	465	42.6	22.6	18.3	0.0	0.2	16.1	0.2
32Huron	98	91.8	0.0	6.1	0.0	0.0	1.0	1.0
33Ingham	1,408	43.8	26.0	16.3	0.1	6.3	7.3	0.2
35Keweenaw	16	18.8	0.0	0.0	68.8	0.0	12.5	0.0

(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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37Ionia	202	90.6	0.0	5.9	0.0	0.0	3.0	0.5
38Jackson	663	74.1	12.4	6.8	0.0	0.6	6.2	0.0
39Kalamazo	830	45.7	36.3	9.6	0.1	1.2	6.4	0.7
41Kent	2,434	31.6	27.7	30.7	0.3	4.8	4.7	0.2
43DHD#10	1,161	80.2	1.7	12.8	0.1	0.2	4.1	0.8
44Lapeer	160	88.1	1.3	6.9	0.0	0.6	2.5	0.6
45Tuscola	188	94.7	0.5	3.2	0.0	0.0	1.6	0.0
46CAA	313	71.2	2.2	20.1	0.6	0.6	4.5	0.6
47Livingst	244	88.1	1.6	2.5	0.0	1.6	5.3	0.8
50Macomb	2,134	45.3	35.8	3.8	0.0	10.4	4.5	0.1
51DCS	344	62.2	14.2	16.9	0.3	1.2	5.2	0.0
52Marquett	175	86.3	1.1	2.9	3.4	0.0	5.7	0.6
56MMCAA	251	84.1	3.6	8.0	0.0	0.4	4.0	0.0
58Monroe	487	84.2	6.4	6.6	0.0	0.2	2.3	0.4
61Muskegon	848	56.5	25.4	11.7	0.4	0.6	5.4	0.1
63Oakland	2,277	43.6	36.0	13.8	0.2	2.9	3.4	0.1
73Saginaw	470	46.8	29.1	17.0	0.4	0.4	6.0	0.2
74St Clair	462	81.0	4.5	5.2	0.0	0.2	9.1	0.0
76Sanilac	139	92.8	0.7	4.3	0.0	0.0	1.4	0.7
78Shiawass	276	91.7	0.4	4.7	0.0	0.0	2.9	0.4
81Washtena	843	38.6	36.4	13.0	0.0	4.5	6.8	0.6
82Wayne	3,342	59.5	25.8	5.4	0.1	5.6	3.3	0.3
89Urban L	2,782	17.7	72.4	5.3	0.0	1.6	2.9	0.1

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors

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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	3,740	10.7	66.5	18.7	0.1	1.7	2.2	0.2
Michigan	36,167	51.5	28.8	11.9	0.4	2.6	4.5	0.3
National (Prior Year)	59,334	48.7	29.4	13.0	1.9	2.5	4.1	0.3

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2022 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	235	0.0	3.0	10.6	54.0	29.4	2.6	0.4
02LMAS	95	0.0	2.1	8.4	53.7	32.6	3.2	0.0
04DHD#4	262	0.0	2.3	8.0	59.9	28.6	1.1	0.0
05NWMCHA	304	0.0	1.3	8.2	62.2	26.0	2.3	0.0
06CMDHD	822	0.0	1.7	6.3	64.7	25.1	1.1	1.1
07West UP	188	0.5	1.6	8.0	63.8	25.0	1.1	0.0
08Barry	338	0.0	2.4	9.5	59.5	24.9	1.8	2.1
09Bay	374	0.0	3.5	9.4	56.7	28.3	0.8	1.3
10Gr Trav	264	0.4	1.5	3.8	58.0	34.1	2.3	0.0
11Berrien	548	0.0	2.2	10.9	54.7	28.1	2.4	1.6
12BHS	678	0.0	2.5	8.1	61.5	25.1	2.2	0.6
13Calhoun	695	0.0	2.9	7.9	60.6	26.5	0.9	1.3
14Leelanau	73	1.4	0.0	6.8	49.3	39.7	1.4	1.4
15InterCar	1,695	0.1	1.6	7.1	59.4	29.2	1.5	1.1
17Chippewa	128	0.0	2.3	5.5	61.7	28.9	0.8	0.8
19Mid-Mich	461	0.0	2.0	8.2	65.9	21.3	1.1	1.5
21Delta	199	0.5	1.5	9.0	59.8	28.6	0.5	0.0
22Iron	135	0.7	0.0	3.7	68.1	25.9	1.5	0.0
25Genesee	1,895	0.2	1.6	7.3	62.1	26.8	1.4	0.7
30HDI	465	0.0	0.0	8.2	63.0	25.2	1.9	1.7
32Huron	98	0.0	1.0	6.1	65.3	26.5	1.0	0.0
33Ingham	1,408	0.0	1.8	5.5	60.6	29.0	2.1	1.0
35Keweenaw	16	0.0	0.0	6.3	62.5	31.3	0.0	0.0
37Ionia	202	0.0	1.5	3.5	64.9	27.7	1.5	1.0

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2022 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	663	0.2	2.9	6.9	61.1	26.4	1.1	1.5
39Kalamazo	830	0.0	2.0	7.6	59.8	26.6	2.7	1.3
41Kent	2,434	0.2	1.5	6.1	56.7	30.9	3.2	1.3
43DHD#10	1,161	0.0	1.8	7.7	62.9	24.3	1.8	1.6
44Lapeer	160	0.0	0.6	3.1	65.0	29.4	1.3	0.6
45Tuscola	188	0.0	1.6	5.9	67.6	23.4	1.1	0.5
46CAA	313	0.0	1.3	5.8	63.3	27.2	1.0	1.6
47Livingst	244	0.0	0.8	3.7	57.8	34.8	2.5	0.4
50Macomb	2,134	0.0	0.8	3.4	55.9	36.9	2.7	0.3
51DCS	344	0.0	0.9	3.8	59.3	32.8	2.9	0.3
52Marquett	175	0.0	0.6	5.1	61.7	30.3	2.3	0.0
56MMCAA	251	0.0	0.4	4.8	63.7	29.9	1.2	0.0
58Monroe	487	0.0	0.8	6.2	64.7	27.3	0.6	0.4
61Muskegon	848	0.0	2.4	7.5	61.3	26.4	1.3	1.1
63Oakland	2,277	0.0	0.8	3.8	56.3	35.8	2.9	0.4
73Saginaw	470	0.6	2.3	5.5	55.3	34.0	1.5	0.6
74St Clair	462	0.0	1.5	8.7	60.6	27.3	0.9	1.1
76Sanilac	139	0.0	2.2	4.3	67.6	25.2	0.7	0.0
78Shiawass	276	0.4	1.8	5.4	64.1	26.4	1.8	0.0
81Washtena	843	0.0	1.9	5.6	56.3	32.7	3.3	0.1
82Wayne	3,342	0.1	1.1	4.1	56.3	34.6	3.5	0.3
89Urban L	2,782	0.1	1.8	5.9	55.9	33.1	2.5	0.7
90Detroit	3,740	0.2	2.1	5.7	54.1	34.1	2.9	0.9

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2022 Pregnancy Nutrition Surveillance (1)

Michigan

Comparison of Age Distribution by Local Agency

Michigan	36,170	0.1	1.6	6.0	58.5	30.7	2.3	0.8
National (Prior Year)	59,336	0.1	2.1	6.3	59.2	29.7	2.3	0.3

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2022 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	199	5.0 (30)	64.8 (40)	103	11.7 (1)	67.0 (47)	16	0.0 (1)	18	22.2 (16)	212	7.5 (12)	212	15.6 (30)
02LMAS	83	6.0 (36)	56.6 (6)	54	18.5 (26)	51.9 (24)	13	23.1 (25)	15	33.3 (36)	86	9.3 (23)	86	15.1 (28)
04DHD#4	222	5.9 (35)	59.9 (18)	62	29.0 (45)	51.6 (21)	18	16.7 (21)	20	30.0 (29)	229	13.1 (43)	229	14.0 (21)
05NWMCHA	233	4.3 (21)	60.9 (22)	56	25.0 (42)	50.0 (11)	55	25.5 (31)	57	26.3 (24)	292	6.8 (7)	292	13.4 (18)
06CMDHD	653	4.3 (21)	62.9 (33)	400	14.8 (11)	55.8 (41)	43	20.9 (24)	69	17.4 (13)	763	9.8 (30)	762	16.8 (36)
07West UP	170	7.1 (44)	55.3 (4)	125	17.6 (23)	48.8 (9)	7	14.3 (19)	6	33.3 (36)	170	14.7 (46)	170	15.9 (32)
08Barry	231	4.3 (21)	60.2 (19)	74	13.5 (7)	59.5 (45)	6	0.0 (1)	0	0.0 (1)	314	14.6 (45)	316	14.9 (25)
09Bay	257	8.6 (47)	56.4 (5)	106	13.2 (5)	52.8 (30)	10	30.0 (35)	10	30.0 (29)	353	7.1 (9)	353	13.3 (17)
10Gr Trav	219	6.8 (41)	52.1 (3)	156	12.8 (4)	60.9 (46)	10	40.0 (41)	15	26.7 (25)	243	4.9 (3)	243	12.3 (12)
11Berrien	505	4.2 (19)	60.6 (20)	361	18.0 (25)	53.7 (35)	25	24.0 (26)	53	20.8 (15)	489	9.4 (25)	490	17.6 (41)
12BHS	499	5.0 (30)	62.5 (28)	254	16.5 (15)	53.5 (34)	29	27.6 (33)	61	31.1 (34)	619	8.9 (22)	619	11.1 (7)
13Calhoun	595	4.7 (28)	62.5 (28)	420	19.8 (31)	54.3 (38)	12	50.0 (47)	6	33.3 (36)	627	5.7 (4)	628	11.3 (8)
14Leelanau	62	8.1 (46)	58.1 (10)	29	13.8 (10)	51.7 (23)	4	25.0 (27)	13	30.8 (32)	69	2.9 (1)	69	18.8 (43)
15Inter-car	1,057	5.3 (33)	63.0 (35)	430	22.3 (37)	50.7 (14)	235	28.5 (34)	347	24.8 (18)	1,539	9.9 (31)	1,542	12.3 (12)
17Chippewa	123	4.1 (17)	56.9 (8)	86	30.2 (46)	50.0 (11)	16	25.0 (27)	20	50.0 (44)	113	9.7 (27)	113	6.2 (1)
19Mid-Mich	400	2.8 (4)	62.5 (28)	276	12.7 (3)	57.2 (43)	6	0.0 (1)	13	0.0 (1)	426	10.6 (36)	427	11.7 (11)
21Delta	183	2.7 (3)	62.8 (32)	134	24.6 (40)	52.2 (26)	21	47.6 (46)	43	27.9 (27)	176	9.7 (27)	176	19.3 (44)

(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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2022 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	94	7.4 (45)	51.1 (1)	44	13.6 (9)	54.5 (39)	0	0.0 (1)	0	0.0 (1)	121	7.4 (11)	121	9.9 (5)
25Genesee	1,426	3.6 (8)	62.1 (25)	702	18.9 (28)	54.1 (37)	5	40.0 (41)	10	30.0 (29)	1,737	9.3 (23)	1,739	17.3 (39)
30HDI	210	4.3 (21)	62.9 (33)	42	16.7 (16)	42.9 (3)	0	0.0 (1)	2	50.0 (44)	447	8.7 (19)	447	17.0 (37)
32Huron	86	3.5 (7)	70.9 (47)	63	19.0 (29)	54.0 (36)	16	31.3 (36)	15	26.7 (25)	89	12.4 (42)	89	14.6 (24)
33Ingham	1,139	3.8 (12)	59.3 (15)	653	16.7 (16)	53.4 (33)	24	41.7 (43)	16	25.0 (19)	1,338	6.8 (7)	1,340	12.8 (15)
35Keweenaw	12	0.0 (1)	66.7 (46)	7	28.6 (44)	28.6 (1)	0	0.0 (1)	0	0.0 (1)	15	6.7 (6)	15	6.7 (2)
37Ionia	154	6.5 (39)	64.9 (41)	113	23.9 (39)	51.3 (18)	21	19.0 (23)	23	26.1 (23)	183	15.8 (47)	183	17.5 (40)
38Jackson	574	3.7 (10)	63.6 (36)	384	13.5 (7)	59.1 (44)	19	15.8 (20)	13	30.8 (32)	614	9.6 (26)	612	16.5 (35)
39Kalamazo	640	6.3 (38)	59.1 (13)	319	17.9 (24)	53.0 (32)	0	0.0 (1)	0	0.0 (1)	755	10.3 (34)	754	13.8 (19)
41Kent	1,314	3.7 (10)	56.6 (6)	495	21.2 (35)	46.5 (6)	358	37.7 (40)	521	25.0 (19)	2,250	9.7 (27)	2,252	18.6 (42)
43DHD#10	962	3.3 (6)	61.3 (23)	657	21.8 (36)	47.9 (7)	12	33.3 (37)	22	22.7 (17)	1,062	10.1 (33)	1,059	15.9 (32)
44Lapeer	153	6.5 (39)	60.8 (21)	135	27.4 (43)	52.6 (28)	0	0.0 (1)	0	0.0 (1)	152	4.6 (2)	152	8.6 (4)
45Tuscola	144	4.2 (19)	61.8 (24)	71	16.9 (19)	45.1 (5)	6	16.7 (21)	7	42.9 (42)	179	11.2 (40)	179	15.6 (30)
46CAA	275	5.1 (32)	65.1 (42)	185	15.7 (12)	51.4 (19)	0	0.0 (1)	6	33.3 (36)	271	8.5 (18)	270	19.6 (45)
47Livingst	188	6.9 (42)	57.4 (9)	109	17.4 (22)	50.5 (13)	13	7.7 (17)	16	18.8 (14)	222	10.8 (39)	222	21.6 (47)
50Macomb	2,000	4.0 (15)	59.7 (17)	1,672	19.4 (30)	48.3 (8)	0	0.0 (1)	3	33.3 (36)	2,006	10.7 (38)	2,007	11.5 (10)
51DCS	254	2.8 (4)	66.5 (45)	209	13.4 (6)	52.2 (26)	26	26.9 (32)	45	13.3 (10)	324	6.5 (5)	327	11.3 (8)

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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).

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Local Agency	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
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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	146	6.2 (37)	51.4 (2)	107	22.4 (38)	51.4 (19)	1	0.0 (1)	2	0.0 (1)	160	10.6 (36)	160	13.1 (16)
56MMCAA	188	5.3 (33)	59.6 (16)	90	12.2 (2)	51.1 (17)	14	35.7 (38)	12	25.0 (19)	239	13.4 (44)	239	15.1 (28)
58Monroe	459	4.6 (27)	64.1 (38)	349	19.8 (31)	50.7 (14)	17	11.8 (18)	15	13.3 (10)	445	7.6 (13)	445	17.1 (38)
61Muskegon	785	3.6 (8)	65.9 (44)	562	16.0 (13)	55.9 (42)	8	25.0 (27)	1	100.0 (47)	784	7.9 (16)	783	20.9 (46)
63Oakland	1,961	4.0 (15)	62.3 (27)	1,315	16.7 (16)	52.6 (28)	28	46.4 (45)	84	29.8 (28)	2,086	7.8 (15)	2,088	14.9 (25)
73Saginaw	335	2.4 (2)	65.1 (42)	224	21.0 (34)	50.9 (16)	1	0.0 (1)	21	47.6 (43)	438	10.0 (32)	439	12.3 (12)
74St Clair	445	4.7 (28)	64.3 (39)	354	16.9 (19)	52.8 (30)	28	35.7 (38)	57	33.3 (36)	403	11.2 (40)	404	16.1 (34)
76Sanilac	29	6.9 (42)	58.6 (11)	6	33.3 (47)	33.3 (2)	4	25.0 (27)	12	16.7 (12)	125	10.4 (35)	125	14.4 (23)
78Shiawass	241	4.1 (17)	62.2 (26)	201	20.4 (33)	49.3 (10)	0	0.0 (1)	2	0.0 (1)	254	7.1 (9)	254	8.3 (3)
81Washtena	645	4.3 (21)	59.2 (14)	410	24.6 (40)	43.9 (4)	90	43.3 (44)	144	32.6 (35)	731	8.8 (20)	731	14.9 (25)
82Wayne	2,192	3.9 (14)	58.9 (12)	1,280	18.8 (27)	52.1 (25)	0	0.0 (1)	4	25.0 (19)	3,053	8.8 (20)	3,055	10.4 (6)
89Urban L	2,192	4.3 (21)	63.7 (37)	1,318	16.2 (14)	55.2 (40)	0	0.0 (1)	3	66.7 (46)	2,608	7.6 (13)	2,605	14.1 (22)
90Detroit	2,876	3.8 (12)	62.6 (31)	1,867	17.2 (21)	51.6 (21)	0	0.0 (1)	0	0.0 (1)	3,531	8.2 (17)	3,533	13.8 (19)
Michigan	27,827	4.2	61.3	17,076	18.2	52.1	1,217	31.5	1,825	26.2	33,353	8.9	33,367	14.3
National (Prior Year)	43,658	3.8	61.8	28,976	18.3	52.2	1,922	25.7	2,038	23.0	46,346	9.7	46,202	13.3

(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

2022 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	213	88.3 (19)	4.2 (16)	226	38.5 (9)	234	20.9 (35)	181	91.7 (29)
02LMAS	85	91.8 (8)	2.4 (6)	91	40.7 (7)	95	34.7 (11)	76	93.4 (17)
04DHD#4	234	83.3 (35)	10.7 (35)	244	34.0 (20)	255	30.6 (17)	206	94.7 (9)
05NWMCHA	293	91.5 (9)	3.4 (10)	287	24.4 (43)	299	34.4 (12)	218	92.7 (23)
06CMDHD	771	83.0 (36)	12.1 (40)	789	40.8 (6)	799	28.9 (23)	658	90.7 (34)
07West UP	170	82.9 (37)	9.4 (32)	173	31.2 (26)	183	39.3 (7)	136	92.6 (25)
08Barry	315	91.4 (10)	1.9 (4)	320	27.8 (37)	333	33.0 (14)	251	94.4 (12)
09Bay	350	80.6 (43)	13.4 (41)	357	37.8 (10)	369	29.8 (20)	294	91.5 (31)
10Gr Trav	243	80.7 (42)	14.4 (43)	252	30.6 (28)	259	30.5 (18)	175	89.7 (37)
11Berrien	472	73.3 (46)	10.8 (37)	518	33.4 (24)	520	25.4 (29)	395	92.9 (21)
12BHS	610	82.0 (40)	11.0 (38)	635	28.8 (34)	664	34.9 (10)	495	92.5 (26)
13Calhoun	629	94.8 (3)	2.9 (8)	649	33.9 (21)	672	31.5 (15)	509	93.3 (19)
14Leelanau	68	85.3 (30)	5.9 (22)	71	36.6 (14)	69	60.9 (2)	51	88.2 (41)
15Intercar	1,513	88.8 (16)	6.7 (26)	1,604	28.9 (33)	1,617	19.5 (41)	1,151	90.3 (36)
17Chippewa	116	93.1 (5)	0.9 (1)	123	24.4 (43)	121	65.3 (1)	100	95.0 (8)
19Mid-Mich	419	85.7 (26)	9.1 (30)	434	34.1 (18)	382	46.9 (3)	338	96.7 (3)
21Delta	175	90.3 (11)	1.7 (3)	186	30.1 (31)	180	27.2 (25)	123	92.7 (23)
22Iron	121	87.6 (21)	10.7 (35)	129	42.6 (3)	131	33.6 (13)	111	94.6 (10)
25Genesee	1,687	85.6 (29)	5.3 (21)	1,776	25.7 (42)	1,555	20.3 (39)	1,382	92.3 (27)
30HDI	442	85.3 (30)	6.8 (27)	439	35.8 (16)	459	13.9 (45)	361	87.5 (46)

(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

2022 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)
32Huron	87	87.4 (22)	9.2 (31)	93	28.0 (36)	95	36.8 (8)	68	88.2 (41)
33Ingham	1,222	85.9 (24)	5.2 (20)	1,357	28.1 (35)	1,360	13.8 (46)	1,049	90.4 (35)
35Keweenaw	14	85.7 (26)	14.3 (42)	16	50.0 (1)	16	31.3 (16)	15	100.0 (1)
37Ionia	183	92.3 (6)	3.3 (9)	192	30.2 (30)	201	25.4 (29)	144	95.1 (6)
38Jackson	606	82.5 (39)	10.1 (34)	632	36.6 (14)	659	27.0 (26)	515	87.8 (45)
39Kalamazo	732	85.9 (24)	6.3 (24)	798	34.1 (18)	811	18.4 (43)	606	88.1 (43)
41Kent	2,229	82.9 (37)	8.4 (29)	2,317	26.6 (38)	2,066	20.8 (36)	1,765	89.5 (38)
43DHD#10	1,059	76.9 (45)	15.6 (44)	1,095	41.3 (4)	1,133	28.4 (24)	884	90.8 (33)
44Lapeer	152	77.6 (44)	15.8 (45)	150	37.3 (11)	158	25.9 (28)	108	95.4 (5)
45Tuscola	178	88.8 (16)	7.3 (28)	176	31.3 (25)	187	30.5 (18)	142	88.0 (44)
46CAA	270	94.1 (4)	1.9 (4)	292	33.6 (22)	308	19.5 (41)	217	94.0 (13)
47Livingst	224	85.3 (30)	11.2 (39)	233	33.5 (23)	241	42.7 (5)	169	93.5 (16)
50Macomb	1,970	90.3 (11)	4.4 (17)	1,988	26.5 (39)	1,764	5.6 (47)	1,503	95.1 (6)
51DCS	321	89.4 (15)	2.5 (7)	315	21.6 (45)	178	44.9 (4)	222	97.3 (2)
52Marquett	162	81.5 (41)	16.0 (46)	166	41.0 (5)	157	36.3 (9)	134	94.0 (13)
56MMCAA	239	88.3 (19)	6.3 (24)	235	30.6 (28)	251	24.3 (34)	181	93.4 (17)
58Monroe	447	85.7 (26)	9.4 (32)	461	31.0 (27)	452	20.4 (38)	353	93.8 (15)
61Muskegon	753	88.6 (18)	4.5 (18)	815	36.9 (13)	827	25.4 (29)	636	92.0 (28)
63Oakland	2,069	89.9 (13)	4.7 (19)	2,140	25.8 (41)	2,159	25.3 (32)	1,589	93.1 (20)
73Saginaw	432	86.8 (23)	6.0 (23)	447	34.7 (17)	462	29.0 (22)	333	94.6 (10)
74St Clair	405	68.6 (47)	24.7 (47)	437	47.6 (2)	459	26.1 (27)	372	90.9 (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) 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

2022 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	125	96.0 (2)	4.0 (15)	135	39.3 (8)	138	29.7 (21)	114	95.6 (4)
78Shiawass	255	96.9 (1)	1.6 (2)	263	37.3 (11)	26	42.3 (6)	204	85.8 (47)
81Washtena	721	89.6 (14)	3.6 (13)	785	29.3 (32)	823	19.6 (40)	621	92.9 (21)
82Wayne	2,993	92.1 (7)	3.5 (12)	3,185	25.9 (40)	2,970	20.6 (37)	2,490	89.1 (40)
89Urban L	2,547	84.7 (34)	3.4 (10)	2,606	20.8 (46)	2,254	25.2 (33)	1,805	89.2 (39)
90Detroit	3,488	84.9 (33)	3.8 (14)	3,542	20.1 (47)	2,935	16.5 (44)	2,457	91.7 (29)
Michigan	32,821	86.4	6.3	34,198	28.7	32,308	23.0	25,920	91.4
National (Prior Year)	49,482	82.8	6.3	46,872	27.8	44,153	22.9	40,545	92.5

(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) 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

2022 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	234	33.8 (43)	213	20.7 (42)	58	36.2 (29)	181	14.9 (47)	214	9.3 (45)
02LMAS	94	31.9 (39)	85	18.8 (40)	20	50.0 (8)	76	13.2 (44)	86	10.5 (47)
04DHD#4	258	33.3 (41)	225	16.4 (37)	58	41.4 (20)	206	12.1 (39)	229	8.3 (42)
05NWMCHA	304	29.3 (36)	291	17.5 (38)	66	28.8 (40)	217	13.4 (45)	291	7.6 (37)
06CMDHD	814	29.5 (37)	765	20.0 (41)	184	27.2 (42)	657	12.6 (41)	764	8.2 (41)
07West UP	185	35.7 (45)	170	22.4 (45)	39	30.8 (37)	136	10.3 (36)	170	7.1 (35)
08Barry	334	16.2 (11)	315	7.6 (11)	41	36.6 (28)	250	12.8 (42)	316	4.7 (27)
09Bay	369	27.1 (31)	351	10.8 (21)	80	46.3 (13)	294	10.2 (35)	351	6.0 (31)
10Gr Trav	262	32.4 (40)	243	17.7 (39)	49	32.7 (34)	175	7.4 (25)	244	9.0 (44)
11Berrien	541	19.8 (16)	482	10.0 (18)	69	34.8 (30)	394	11.4 (37)	490	9.6 (46)
12BHS	669	21.8 (23)	617	14.9 (34)	91	28.6 (41)	495	6.7 (22)	618	6.6 (34)
13Calhoun	691	20.1 (19)	625	8.6 (15)	92	34.8 (30)	509	2.6 (5)	625	3.4 (16)
14Leelanau	73	21.9 (24)	69	14.5 (33)	11	45.5 (15)	52	3.8 (11)	69	8.7 (43)
15Inter-car	1,653	16.9 (12)	1,540	8.2 (14)	194	37.6 (25)	1,147	4.9 (15)	1,544	3.6 (17)
17Chippewa	127	28.3 (34)	113	23.0 (46)	25	16.0 (47)	99	12.1 (39)	114	2.6 (11)
19Mid-Mich	456	28.7 (35)	427	11.9 (25)	98	53.1 (5)	338	7.7 (26)	427	5.6 (30)
21Delta	187	33.7 (42)	177	21.5 (43)	37	27.0 (43)	123	13.0 (43)	176	8.0 (40)
22Iron	132	34.1 (44)	121	21.5 (43)	31	19.4 (46)	111	1.8 (3)	122	4.9 (28)

(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

2022 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	1,879	19.9 (17)	1,741	9.6 (16)	243	42.4 (19)	1,383	6.7 (22)	1,738	4.3 (23)
30HDI	459	20.0 (18)	446	9.6 (16)	71	49.3 (10)	361	9.4 (32)	446	4.3 (23)
32Huron	94	26.6 (30)	89	11.2 (22)	17	41.2 (22)	68	5.9 (19)	89	7.9 (39)
33Ingham	1,399	20.3 (20)	1,340	7.9 (13)	209	50.7 (7)	1,047	5.1 (16)	1,341	3.3 (15)
35Keweenaw	16	50.0 (47)	15	26.7 (47)	8	37.5 (26)	15	0.0 (1)	15	0.0 (1)
37Ionia	200	23.5 (26)	183	12.0 (28)	29	37.9 (24)	143	11.9 (38)	183	4.9 (28)
38Jackson	661	21.3 (21)	618	12.8 (29)	104	26.9 (44)	515	9.7 (33)	616	4.2 (22)
39Kalamazo	819	17.5 (13)	754	7.7 (12)	94	33.0 (33)	605	4.0 (12)	756	4.4 (25)
41Kent	2,405	10.9 (7)	2,250	5.4 (9)	172	41.3 (21)	1,749	3.5 (8)	2,264	2.3 (9)
43DHD#10	1,144	24.0 (28)	1,067	15.6 (35)	211	28.9 (39)	884	9.0 (31)	1,070	7.3 (36)
44Lapeer	157	18.5 (14)	151	11.9 (25)	19	31.6 (35)	108	3.7 (10)	152	2.0 (7)
45Tuscola	188	28.2 (33)	179	14.0 (32)	38	52.6 (6)	142	9.9 (34)	179	6.1 (32)
46CAA	307	22.5 (25)	270	10.4 (20)	48	39.6 (23)	217	7.8 (27)	270	4.1 (21)
47Livingst	242	23.6 (27)	223	10.3 (19)	30	43.3 (17)	169	5.9 (19)	223	4.5 (26)
50Macomb	2,116	7.8 (2)	2,006	3.8 (4)	107	30.8 (37)	1,499	3.5 (8)	1,999	2.0 (7)
51DCS	340	11.5 (8)	326	4.9 (8)	27	55.6 (3)	220	2.7 (6)	324	3.7 (18)
52Marquett	174	31.6 (38)	163	16.0 (36)	38	36.8 (27)	134	6.0 (21)	163	1.2 (3)
56MMCAA	250	21.6 (22)	240	12.9 (30)	35	45.7 (14)	181	5.5 (17)	240	2.5 (10)
58Monroe	482	24.1 (29)	446	11.4 (23)	80	45.0 (16)	352	8.8 (30)	447	4.0 (20)

(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

2022 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	838	19.5 (15)	790	11.8 (24)	117	31.6 (35)	635	8.7 (29)	791	6.4 (33)
63Oakland	2,254	9.6 (5)	2,083	4.8 (6)	139	43.2 (18)	1,582	2.5 (4)	2,090	1.8 (5)
73Saginaw	464	27.2 (32)	440	13.2 (31)	83	47.0 (12)	333	7.8 (27)	440	3.9 (19)
74St Clair	461	36.9 (46)	402	11.9 (25)	121	48.8 (11)	372	13.7 (46)	405	7.7 (38)
76Sanilac	138	12.3 (9)	125	6.4 (10)	12	33.3 (32)	114	4.4 (14)	125	3.2 (14)
78Shiawass	273	7.7 (1)	252	4.8 (6)	15	20.0 (45)	205	0.5 (2)	251	0.8 (2)
81Washtena	834	12.8 (10)	730	4.5 (5)	66	50.0 (8)	621	4.2 (13)	731	1.5 (4)
82Wayne	3,313	8.2 (3)	3,061	2.7 (1)	183	57.4 (2)	2,493	3.1 (7)	3,061	1.9 (6)
89Urban L	2,767	10.5 (6)	2,610	3.3 (3)	182	68.1 (1)	1,799	5.5 (17)	2,611	3.1 (13)
90Detroit	3,704	8.9 (4)	3,542	2.8 (2)	223	55.6 (3)	2,456	6.9 (24)	3,547	3.0 (12)
Michigan	35,790	16.2	33,383	7.8	3,964	41.7	25,877	6.1	33,429	3.8
National (Prior Year)	54,510	23.4	50,043	10.3	9,132	32.0	42,004	5.9	52,901	2.0

(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) 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

2022 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	57	10.5 (18)	3.5 (8)	203	13.3 (28)	50	4.0 (20)	57	100.0 (1)
02LMAS	21	4.8 (5)	14.3 (45)	82	13.4 (30)	20	5.0 (29)	21	100.0 (1)
04DHD#4	60	15.0 (38)	11.7 (43)	225	12.0 (15)	45	11.1 (46)	61	100.0 (1)
05NWMCHA	80	8.8 (11)	7.5 (33)	284	7.0 (1)	71	1.4 (9)	89	98.9 (30)
06CMDHD	242	9.9 (16)	6.6 (25)	728	9.8 (7)	212	3.8 (19)	242	98.8 (32)
07West UP	34	8.8 (11)	8.8 (36)	165	13.9 (35)	26	0.0 (1)	34	100.0 (1)
08Barry	81	8.6 (10)	2.5 (3)	312	14.7 (43)	67	4.5 (24)	81	98.8 (32)
09Bay	119	13.4 (32)	10.9 (42)	333	14.1 (36)	98	3.1 (14)	120	99.2 (27)
10Gr Trav	71	14.1 (34)	5.6 (18)	232	14.2 (37)	56	3.6 (17)	72	98.6 (36)
11Berrien	109	12.8 (25)	7.3 (31)	476	13.7 (33)	94	4.3 (22)	108	100.0 (1)
12BHS	170	10.6 (19)	8.8 (36)	600	12.3 (19)	146	4.8 (27)	171	99.4 (24)
13Calhoun	150	14.0 (33)	5.3 (17)	602	11.6 (13)	129	7.0 (39)	151	99.3 (25)
14Leelanau	28	21.4 (46)	14.3 (45)	67	10.4 (9)	25	12.0 (47)	28	96.4 (44)
15InterCar	409	12.2 (22)	5.6 (18)	1,497	13.4 (30)	358	5.9 (33)	417	99.3 (25)
17Chippewa	24	8.3 (9)	12.5 (44)	110	9.1 (5)	20	0.0 (1)	24	100.0 (1)
19Mid-Mich	115	13.0 (26)	4.3 (10)	409	14.2 (37)	87	0.0 (1)	115	100.0 (1)
21Delta	36	2.8 (2)	2.8 (4)	166	7.8 (2)	33	0.0 (1)	36	100.0 (1)
22Iron	45	4.4 (4)	4.4 (12)	119	8.4 (3)	41	0.0 (1)	45	100.0 (1)
25Genesee	400	13.0 (26)	7.3 (31)	1,701	12.9 (25)	344	6.7 (38)	400	98.8 (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

2022 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	121	11.6 (20)	5.0 (14)	435	11.3 (11)	108	6.5 (37)	121	98.3 (39)
32Huron	32	3.1 (3)	9.4 (38)	87	10.3 (8)	28	3.6 (17)	32	100.0 (1)
33Ingham	482	14.5 (36)	4.1 (9)	1,304	13.8 (34)	398	4.0 (20)	484	98.8 (32)
35Keweenaw	5	0.0 (1)	20.0 (47)	15	20.0 (47)	4	0.0 (1)	5	100.0 (1)
37Ionia	69	11.6 (20)	7.2 (30)	180	12.2 (17)	61	3.3 (16)	69	100.0 (1)
38Jackson	213	13.1 (29)	6.1 (23)	596	14.6 (41)	177	4.5 (24)	213	99.1 (28)
39Kalamazo	211	13.3 (31)	7.1 (29)	733	13.2 (27)	182	4.4 (23)	215	100.0 (1)
41Kent	495	15.2 (39)	6.9 (26)	2,201	15.3 (44)	416	6.3 (35)	501	98.2 (40)
43DHD#10	340	9.1 (14)	8.2 (35)	1,015	11.6 (13)	296	1.7 (10)	341	99.1 (28)
44Lapeer	40	10.0 (17)	5.0 (14)	145	12.4 (20)	31	3.2 (15)	40	100.0 (1)
45Tuscola	57	8.8 (11)	10.5 (40)	175	8.6 (4)	50	2.0 (12)	57	96.5 (43)
46CAA	63	4.8 (5)	9.5 (39)	266	10.5 (10)	57	1.8 (11)	63	98.4 (38)
47Livingst	56	12.5 (23)	1.8 (2)	219	16.0 (45)	49	10.2 (45)	57	100.0 (1)
50Macomb	376	19.9 (44)	3.2 (6)	1,932	14.4 (39)	302	7.6 (40)	378	99.5 (23)
51DCS	45	20.0 (45)	0.0 (1)	311	13.5 (32)	37	5.4 (31)	46	95.7 (45)
52Marquett	47	14.9 (37)	6.4 (24)	156	12.8 (24)	37	2.7 (13)	47	100.0 (1)
56MMCAA	69	13.0 (26)	2.9 (5)	235	11.5 (12)	58	5.2 (30)	71	100.0 (1)
58Monroe	84	7.1 (8)	10.7 (41)	434	12.4 (20)	76	1.3 (8)	84	100.0 (1)
61Muskegon	258	13.2 (30)	7.0 (27)	765	13.3 (28)	222	6.3 (35)	258	100.0 (1)

(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

2022 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	461	12.6 (24)	5.6 (18)	2,045	12.1 (16)	391	6.1 (34)	466	100.0 (1)
73Saginaw	134	15.7 (41)	5.2 (16)	425	14.6 (41)	110	4.5 (24)	135	98.5 (37)
74St Clair	93	9.7 (15)	4.3 (10)	386	12.4 (20)	80	0.0 (1)	93	98.9 (30)
76Sanilac	40	22.5 (47)	7.5 (33)	122	13.1 (26)	31	9.7 (44)	40	97.5 (42)
78Shiawass	71	5.6 (7)	7.0 (27)	250	9.6 (6)	63	4.8 (27)	71	100.0 (1)
81Washtena	160	14.4 (35)	5.6 (18)	707	12.6 (23)	140	9.3 (41)	163	100.0 (1)
82Wayne	537	15.3 (40)	3.2 (6)	2,961	12.2 (17)	450	5.8 (32)	551	97.6 (41)
89Urban L	522	17.2 (42)	4.4 (12)	2,536	17.1 (46)	420	9.5 (43)	530	95.1 (46)
90Detroit	645	18.3 (43)	5.6 (18)	3,458	14.4 (39)	528	9.3 (41)	654	94.2 (47)
Michigan	7,977	13.7	5.9	32,416	13.4	6,724	5.7	8,057	98.4
National (Prior Year)	31,163	10.7	6.7	51,612	13.1	25,808	4.6	31,353	49.7

(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

2020 - 2022 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	933	92.3	0.4	2.5	0.2	0.0	4.5	0.1
02LMAS	372	72.3	0.3	1.9	6.5	0.0	19.1	0.0
04DHD#4	971	90.8	0.7	2.4	0.5	0.1	5.4	0.1
05NWMCHA	1,222	91.1	0.7	2.4	0.5	0.3	5.1	0.0
06CMDHD	2,863	88.5	1.7	4.1	1.3	0.4	3.9	0.1
07West UP	750	86.9	2.4	2.5	0.8	1.6	5.2	0.5
08Barry	1,187	88.5	2.6	6.9	0.2	0.8	0.8	0.2
09Bay	1,396	80.4	2.0	10.5	0.1	0.2	6.4	0.4
10Gr Trav	1,025	84.2	0.9	7.2	2.5	0.7	4.2	0.3
11Berrien	2,146	50.6	35.1	8.1	0.2	1.4	4.1	0.4
12BHS	2,548	80.3	0.9	13.7	0.1	0.3	4.0	0.6
13Calhoun	2,561	60.3	20.0	7.9	0.4	4.8	6.3	0.4
14Leelanau	292	78.1	0.3	11.3	3.8	0.0	6.5	0.0
15Interkar	6,069	60.6	4.4	27.8	0.1	1.6	4.6	1.0
17Chippewa	493	57.0	0.8	2.0	19.9	0.8	19.5	0.0
19Mid-Mich	1,762	88.5	0.4	8.1	0.1	0.1	2.5	0.4
21Delta	752	79.5	0.9	4.4	2.9	0.4	10.2	1.6
22Iron	505	93.9	0.0	2.0	0.2	0.4	2.8	0.8
25Genesee	6,850	48.3	39.0	5.9	0.1	0.3	6.2	0.2
30HDI	1,635	36.8	38.3	17.3	0.1	0.4	7.0	0.1
32Huron	366	92.1	0.3	6.0	0.0	0.0	1.1	0.5
33Ingham	4,857	42.2	27.7	16.2	0.1	5.4	8.0	0.2
35Keweenaw	87	16.1	0.0	4.6	64.4	0.0	13.8	1.1

(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

2020 - 2022 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	785	88.5	0.1	7.9	0.0	0.0	3.3	0.1
38Jackson	2,592	71.6	14.2	6.3	0.1	0.7	7.1	0.0
39Kalamazo	3,309	45.2	36.1	9.9	0.2	1.0	7.1	0.5
41Kent	8,823	31.0	28.9	30.0	0.2	5.0	4.8	0.2
43DHD#10	4,223	80.4	1.5	12.3	0.3	0.3	4.6	0.4
44Lapeer	680	89.4	1.0	5.6	0.0	0.6	3.2	0.1
45Tuscola	712	93.5	0.3	4.4	0.0	0.1	1.7	0.0
46CAA	1,136	71.4	2.7	19.9	0.3	0.4	4.8	0.6
47Livingst	892	90.1	1.6	3.4	0.0	0.9	3.3	0.8
50Macomb	7,503	48.0	35.6	3.2	0.1	8.9	4.0	0.2
51DCS	1,414	66.2	13.7	13.1	0.3	1.8	5.0	0.0
52Marquett	635	86.3	1.6	3.3	2.2	0.5	5.8	0.3
56MMCAA	873	86.8	2.2	5.8	0.0	1.7	3.4	0.0
58Monroe	1,771	81.8	6.8	6.3	0.1	0.3	4.2	0.6
61Muskegon	3,192	55.0	27.1	9.9	0.3	0.5	6.9	0.3
63Oakland	8,220	45.3	35.2	12.7	0.1	2.5	4.0	0.1
73Saginaw	1,934	45.4	31.7	15.6	0.1	0.4	6.2	0.6
74St Clair	1,736	80.4	5.8	6.1	0.0	0.5	7.1	0.2
76Sanilac	516	93.2	0.4	4.1	0.2	0.4	1.0	0.8
78Shiawass	943	88.4	0.4	7.0	0.0	0.1	3.8	0.2
81Washtena	2,926	37.8	39.7	11.0	0.1	3.3	7.6	0.4
82Wayne	13,233	58.2	27.3	5.5	0.1	5.6	3.1	0.2
89Urban L	10,184	16.2	74.6	5.5	0.1	1.0	2.6	0.1
90Detroit	13,768	9.4	70.9	16.5	0.1	1.2	1.8	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

2020 - 2022 Pregnancy Nutrition Surveillance (1)

Michigan

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

Michigan	133,729	51.1	30.1	11.3	0.4	2.4	4.5	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

2020 - 2022 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	933	0.0	3.0	8.3	61.8	24.9	1.8	0.2
02LMAS	372	0.0	2.2	7.8	57.3	30.9	1.9	0.0
04DHD#4	971	0.1	2.1	8.8	60.6	27.2	1.3	0.0
05NWMCHA	1,222	0.1	1.7	7.3	63.6	25.1	2.2	0.0
06CMDHD	2,863	0.1	2.5	7.7	63.4	24.5	1.3	0.5
07West UP	750	0.1	1.3	7.5	58.3	31.7	1.1	0.0
08Barry	1,187	0.0	2.3	8.3	61.8	24.9	1.6	1.1
09Bay	1,396	0.0	2.7	7.9	60.8	27.1	1.1	0.4
10Gr Trav	1,025	0.2	1.8	6.2	58.9	30.5	2.0	0.3
11Berrien	2,146	0.1	3.4	9.6	59.2	24.2	1.9	1.5
12BHS	2,548	0.2	2.4	8.2	64.0	22.8	2.0	0.4
13Calhoun	2,561	0.0	2.9	7.5	63.0	24.5	1.4	0.7
14Leelanau	292	0.3	1.4	4.8	57.2	33.9	1.7	0.7
15Inter-car	6,069	0.1	1.8	7.0	61.2	27.3	1.9	0.6
17Chippewa	493	0.0	2.0	7.3	63.1	26.0	1.4	0.2
19Mid-Mich	1,762	0.1	2.2	8.8	62.4	24.8	1.2	0.6
21Delta	752	0.3	1.5	7.6	61.6	28.6	0.5	0.0
22Iron	505	0.2	2.2	5.5	63.2	27.9	1.0	0.0
25Genesee	6,850	0.2	2.1	7.5	63.2	25.2	1.6	0.3
30HDI	1,635	0.0	1.6	8.3	63.5	24.0	1.7	1.0
32Huron	366	0.0	0.8	5.7	60.7	31.4	1.4	0.0
33Ingham	4,857	0.1	2.4	6.9	60.8	27.4	2.0	0.4
35Keweenaw	87	0.0	2.3	9.2	64.4	23.0	1.1	0.0
37Ionia	785	0.1	2.3	6.9	66.0	23.1	1.3	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

2020 - 2022 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	2,592	0.1	2.8	7.2	62.7	25.0	1.2	1.0
39Kalamazo	3,309	0.1	2.9	7.5	60.3	26.5	2.0	0.8
41Kent	8,823	0.1	2.1	6.8	58.1	29.7	2.4	0.8
43DHD#10	4,223	0.0	2.0	7.6	63.8	24.0	1.8	0.7
44Lapeer	680	0.0	2.2	4.7	63.1	28.1	1.5	0.4
45Tuscola	712	0.0	2.4	6.5	64.3	24.6	1.8	0.4
46CAA	1,136	0.1	1.2	7.2	62.9	26.9	1.0	0.7
47Livingst	892	0.0	1.1	5.0	58.4	33.0	2.1	0.3
50Macomb	7,503	0.0	1.0	4.0	56.7	35.6	2.6	0.1
51DCS	1,414	0.1	1.0	3.7	59.7	33.0	2.5	0.1
52Marquett	635	0.2	1.4	3.9	61.9	29.9	2.7	0.0
56MMCAA	873	0.0	1.4	6.1	63.8	27.5	1.3	0.0
58Monroe	1,771	0.0	1.7	6.8	63.6	26.3	1.4	0.2
61Muskegon	3,192	0.1	3.0	9.1	61.2	24.5	1.3	0.7
63Oakland	8,220	0.0	1.4	4.6	57.2	33.9	2.6	0.2
73Saginaw	1,934	0.2	2.8	7.5	61.0	26.8	1.2	0.4
74St Clair	1,736	0.1	1.9	8.0	63.7	24.1	1.6	0.7
76Sanilac	516	0.0	2.3	5.8	66.3	25.0	0.6	0.0
78Shiawass	943	0.1	2.5	6.4	65.7	24.3	1.0	0.0
81Washtena	2,926	0.0	1.4	5.8	56.8	33.0	2.6	0.3
82Wayne	13,233	0.0	1.3	4.4	57.6	33.1	3.3	0.2
89Urban L	10,184	0.1	2.0	6.3	57.7	31.0	2.5	0.4
90Detroit	13,768	0.1	2.5	6.4	56.3	31.5	2.7	0.4
Michigan	133,729	0.1	2.0	6.5	59.8	29.1	2.2	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 5F

2020 - 2022 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	723	4.4 (30)	63.6 (41)	343	15.2 (8)	56.6 (45)	42	16.7 (8)	31	29.0 (27)	837	6.9 (6)	838	13.5 (22)
02LMAS	336	5.1 (41)	58.9 (10)	237	16.9 (16)	52.3 (18)	18	16.7 (8)	17	29.4 (28)	334	9.9 (34)	334	14.7 (34)
04DHD#4	864	5.1 (41)	60.8 (20)	360	18.1 (28)	53.6 (31)	39	30.8 (22)	23	26.1 (22)	866	11.5 (44)	867	14.8 (36)
05NWMCHA	868	3.7 (11)	59.9 (16)	274	18.6 (33)	51.8 (15)	116	20.7 (11)	122	26.2 (23)	1,140	8.1 (14)	1,140	13.7 (23)
06CMDHD	2,406	3.9 (19)	62.1 (34)	1,531	15.2 (8)	54.5 (36)	110	20.9 (12)	110	18.2 (7)	2,640	9.4 (27)	2,648	14.2 (26)
07West UP	693	3.3 (3)	57.6 (6)	531	16.9 (16)	49.7 (4)	26	11.5 (4)	12	16.7 (6)	668	11.2 (41)	669	14.3 (28)
08Barry	701	6.1 (45)	58.9 (10)	262	14.9 (6)	55.3 (40)	39	25.6 (16)	11	18.2 (7)	1,093	12.2 (46)	1,098	15.7 (40)
09Bay	1,109	4.5 (34)	61.1 (21)	611	16.0 (10)	55.6 (42)	38	23.7 (13)	16	31.3 (30)	1,286	7.7 (11)	1,286	12.2 (14)
10Gr Trav	855	5.6 (43)	53.5 (2)	647	17.0 (18)	52.9 (22)	34	55.9 (46)	18	33.3 (35)	936	6.8 (4)	939	10.1 (5)
11Berrien	1,891	4.0 (21)	61.1 (21)	1,332	17.6 (25)	56.4 (43)	132	28.8 (19)	137	21.9 (13)	1,881	9.0 (23)	1,884	18.4 (44)
12BHS	1,735	5.0 (40)	61.4 (27)	788	18.9 (35)	50.8 (8)	69	29.0 (20)	100	27.0 (24)	2,282	9.3 (25)	2,284	9.8 (4)
13Calhoun	2,006	4.2 (26)	61.1 (21)	1,330	18.9 (35)	53.1 (25)	52	38.5 (33)	16	37.5 (41)	2,314	6.9 (6)	2,316	10.3 (6)
14Leelanau	238	3.8 (18)	57.6 (6)	118	12.7 (2)	53.4 (30)	10	10.0 (3)	20	25.0 (19)	264	6.8 (4)	264	12.1 (12)
15Intercar	3,748	4.6 (36)	61.3 (26)	1,601	19.4 (39)	51.2 (10)	505	33.7 (28)	739	27.7 (25)	5,498	9.9 (34)	5,505	11.7 (10)
17Chippewa	445	3.6 (9)	59.6 (13)	318	18.2 (29)	53.1 (25)	20	25.0 (14)	25	44.0 (44)	441	10.2 (37)	443	8.1 (1)
19Mid-Mich	1,592	3.5 (7)	64.7 (44)	1,043	16.7 (14)	53.1 (25)	49	8.2 (2)	28	7.1 (2)	1,614	12.9 (47)	1,616	14.9 (37)
21Delta	703	3.4 (6)	59.6 (13)	526	19.8 (42)	51.0 (9)	49	26.5 (17)	71	19.7 (10)	664	9.8 (32)	665	14.4 (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) 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

2020 - 2022 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	333	6.9 (46)	52.3 (1)	127	17.3 (22)	52.0 (17)	13	7.7 (1)	6	50.0 (47)	451	5.1 (2)	452	14.6 (33)
25Genesee	4,838	4.4 (30)	60.2 (18)	2,276	18.5 (32)	52.4 (20)	193	40.4 (37)	98	36.7 (39)	6,187	8.7 (19)	6,197	16.7 (42)
30HDI	1,096	3.7 (11)	65.2 (45)	340	20.0 (43)	46.5 (1)	26	38.5 (33)	32	34.4 (38)	1,545	8.9 (21)	1,545	14.2 (26)
32Huron	326	4.3 (28)	67.8 (46)	246	18.3 (31)	57.3 (46)	30	30.0 (21)	29	24.1 (15)	347	10.7 (40)	348	14.4 (29)
33Ingham	3,980	3.7 (11)	61.4 (27)	2,888	18.7 (34)	54.4 (35)	135	34.8 (30)	36	33.3 (35)	4,580	7.7 (11)	4,582	12.8 (19)
35Keweenaw	70	0.0 (1)	72.9 (47)	26	23.1 (46)	50.0 (5)	2	100.0 (47)	0	0.0 (1)	78	5.1 (2)	78	14.1 (25)
37Ionia	552	5.6 (43)	64.1 (42)	404	19.6 (40)	53.7 (34)	48	14.6 (6)	43	14.0 (4)	715	11.5 (44)	718	18.7 (46)
38Jackson	1,867	3.9 (19)	61.2 (25)	1,253	14.0 (4)	56.5 (44)	70	32.9 (26)	54	22.2 (14)	2,391	8.7 (19)	2,392	13.0 (20)
39Kalamazo	2,549	4.0 (21)	61.4 (27)	1,260	16.4 (12)	53.6 (31)	56	42.9 (40)	21	19.0 (9)	2,922	9.7 (31)	2,923	12.4 (16)
41Kent	5,101	3.6 (9)	59.5 (12)	1,990	23.4 (47)	46.5 (1)	771	38.5 (33)	1,138	24.2 (17)	8,045	8.9 (21)	8,055	16.2 (41)
43DHD#10	3,428	3.5 (7)	62.0 (31)	2,196	20.8 (45)	50.0 (5)	92	27.2 (18)	70	24.3 (18)	3,855	10.4 (38)	3,854	15.4 (38)
44Lapeer	660	4.8 (37)	57.0 (5)	566	18.9 (35)	51.2 (10)	12	25.0 (14)	5	20.0 (11)	622	5.0 (1)	623	10.4 (7)
45Tuscola	552	4.3 (28)	62.7 (37)	381	20.2 (44)	50.7 (7)	28	17.9 (10)	15	33.3 (35)	670	11.2 (41)	671	13.9 (24)
46CAA	884	3.7 (11)	62.0 (31)	595	15.0 (7)	51.4 (14)	27	55.6 (45)	14	21.4 (12)	996	9.6 (28)	997	15.6 (39)
47Livingst	812	4.8 (37)	56.8 (4)	550	17.1 (19)	53.3 (28)	31	16.1 (7)	24	12.5 (3)	810	9.9 (34)	811	20.0 (47)
50Macomb	6,631	3.7 (11)	61.1 (21)	5,240	18.2 (29)	51.8 (15)	137	42.3 (38)	47	31.9 (33)	6,973	10.4 (38)	6,976	10.5 (8)
51DCS	1,061	4.4 (30)	59.7 (15)	750	13.9 (3)	55.3 (40)	79	34.2 (29)	62	16.1 (5)	1,305	9.8 (32)	1,308	12.6 (17)

(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

2020 - 2022 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)
52Marquett	565	4.1 (23)	58.2 (8)	403	17.9 (27)	54.8 (38)	18	33.3 (27)	12	25.0 (19)	573	9.1 (24)	577	12.3 (15)
56MMCAA	629	3.3 (3)	62.3 (35)	195	12.3 (1)	51.3 (12)	34	32.4 (25)	19	31.6 (31)	812	11.2 (41)	811	12.1 (12)
58Monroe	1,614	4.8 (37)	63.3 (40)	1,234	17.1 (19)	53.6 (31)	56	32.1 (24)	29	24.1 (15)	1,600	8.4 (17)	1,601	18.1 (43)
61Muskegon	2,913	3.3 (3)	64.2 (43)	2,247	17.7 (26)	53.0 (23)	47	42.6 (39)	12	41.7 (43)	2,931	9.6 (28)	2,933	18.4 (44)
63Oakland	6,511	4.1 (23)	60.4 (19)	3,783	16.7 (14)	52.5 (21)	212	38.7 (36)	132	28.0 (26)	7,414	7.4 (9)	7,415	12.7 (18)
73Saginaw	1,427	3.1 (2)	61.9 (30)	873	16.2 (11)	52.3 (18)	48	37.5 (32)	33	45.5 (45)	1,786	9.3 (25)	1,787	11.3 (9)
74St Clair	1,660	4.1 (23)	62.0 (31)	1,334	16.5 (13)	54.8 (38)	75	36.0 (31)	78	37.2 (40)	1,539	8.6 (18)	1,542	14.7 (34)
76Sanilac	93	9.7 (47)	53.8 (3)	27	14.8 (5)	66.7 (47)	14	14.3 (5)	19	31.6 (31)	450	8.2 (15)	450	11.8 (11)
78Shiawass	842	4.5 (34)	62.5 (36)	694	19.2 (38)	51.3 (12)	13	30.8 (22)	8	25.0 (19)	852	7.3 (8)	853	9.5 (3)
81Washtena	2,292	4.2 (26)	60.0 (17)	1,458	19.6 (40)	48.4 (3)	168	43.5 (41)	214	33.2 (34)	2,616	9.6 (28)	2,616	14.5 (31)
82Wayne	8,283	4.4 (30)	58.6 (9)	4,877	17.2 (21)	53.0 (23)	321	44.5 (42)	106	31.1 (29)	11,982	7.6 (10)	11,979	8.8 (2)
89Urban L	7,545	3.7 (11)	63.2 (39)	4,328	17.4 (23)	54.5 (36)	230	50.9 (43)	47	48.9 (46)	9,398	8.2 (15)	9,404	14.5 (31)
90Detroit	10,051	3.7 (11)	63.1 (38)	5,805	17.4 (23)	53.3 (28)	328	50.9 (43)	47	40.4 (42)	12,887	8.0 (13)	12,897	13.3 (21)
Michigan	100,122	4.0	61.2	60,221	17.8	52.7	4,664	36.6	3,953	26.9	122,124	8.8	122,225	13.3

(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) 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

2020 - 2022 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	838	84.6 (27)	8.1 (30)	910	35.6 (14)	879	22.3 (33)	723	90.6 (28)
02LMAS	331	85.2 (25)	7.9 (29)	365	42.5 (3)	338	28.4 (15)	302	94.0 (14)
04DHD#4	873	82.6 (36)	10.7 (36)	942	34.7 (16)	911	28.3 (16)	766	94.4 (10)
05NWMCHA	1,147	90.7 (10)	4.3 (9)	1,194	28.5 (36)	1,139	33.0 (10)	903	91.4 (22)
06CMDHD	2,657	81.8 (38)	12.0 (40)	2,809	40.2 (4)	2,664	28.1 (18)	2,285	89.4 (38)
07West UP	664	83.9 (30)	9.3 (33)	728	31.5 (26)	694	36.7 (6)	554	94.6 (7)
08Barry	1,087	89.1 (15)	3.5 (5)	1,163	27.8 (38)	1,107	31.2 (12)	847	94.8 (6)
09Bay	1,289	76.6 (44)	15.9 (46)	1,372	39.3 (5)	1,329	22.3 (33)	1,104	89.9 (33)
10Gr Trav	940	79.3 (41)	14.8 (45)	1,002	30.1 (31)	961	28.3 (16)	713	90.2 (31)
11Berrien	1,824	75.2 (46)	9.8 (34)	2,084	30.3 (29)	1,941	21.6 (37)	1,536	91.3 (23)
12BHS	2,186	76.2 (45)	14.5 (43)	2,477	32.7 (22)	2,323	28.6 (14)	1,924	90.5 (29)
13Calhoun	2,290	93.9 (2)	3.8 (7)	2,482	33.0 (20)	2,214	27.6 (20)	1,876	89.2 (39)
14Leelanau	264	83.3 (34)	11.4 (39)	285	35.1 (15)	266	44.0 (2)	215	88.4 (41)
15Intercar	5,426	88.2 (18)	7.2 (27)	5,924	32.5 (23)	5,405	21.6 (37)	4,331	88.5 (40)
17Chippewa	445	94.4 (1)	3.1 (4)	480	38.1 (8)	457	45.1 (1)	399	89.5 (37)
19Mid-Mich	1,585	87.3 (20)	6.9 (26)	1,712	33.4 (19)	1,425	34.3 (9)	1,314	95.7 (2)
21Delta	657	91.6 (6)	2.4 (2)	733	31.4 (27)	670	26.6 (22)	537	94.2 (11)
22Iron	458	89.1 (15)	8.5 (32)	497	37.8 (9)	475	35.6 (7)	404	92.3 (17)
25Genesee	6,086	86.5 (23)	4.5 (11)	6,671	26.2 (40)	5,298	14.1 (45)	4,967	90.9 (24)
30HDI	1,532	83.7 (32)	7.2 (27)	1,595	36.7 (11)	1,541	15.2 (44)	1,310	87.6 (46)
32Huron	346	81.5 (39)	8.1 (30)	359	26.2 (40)	330	34.5 (8)	250	90.8 (25)

(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

2020 - 2022 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	4,344	87.6 (19)	5.8 (18)	4,777	28.3 (37)	4,413	10.2 (46)	3,578	89.8 (35)
35Keweenaw	78	89.7 (13)	5.1 (17)	85	43.5 (1)	82	24.4 (29)	77	98.7 (1)
37Ionia	719	91.2 (7)	4.5 (11)	770	29.9 (32)	734	21.5 (39)	556	95.5 (3)
38Jackson	2,370	82.5 (37)	10.8 (37)	2,539	38.2 (7)	2,389	23.5 (31)	2,021	88.4 (41)
39Kalamazo	2,884	85.8 (24)	6.5 (22)	3,243	34.0 (17)	3,038	18.5 (41)	2,448	88.0 (43)
41Kent	7,904	84.0 (29)	6.5 (22)	8,644	24.0 (45)	7,318	20.9 (40)	6,380	90.8 (25)
43DHD#10	3,816	78.7 (43)	14.5 (43)	4,104	39.0 (6)	3,785	27.6 (20)	3,245	90.0 (32)
44Lapeer	624	79.2 (42)	14.4 (42)	664	31.6 (25)	628	25.6 (24)	485	94.6 (7)
45Tuscola	672	81.1 (40)	12.5 (41)	698	33.8 (18)	674	28.8 (13)	531	92.3 (17)
46CAA	985	92.5 (5)	2.1 (1)	1,108	30.2 (30)	1,055	22.0 (35)	827	92.6 (16)
47Livingst	811	83.8 (31)	10.2 (35)	872	29.8 (33)	802	40.5 (4)	626	94.1 (12)
50Macomb	6,916	91.0 (9)	4.4 (10)	7,269	26.5 (39)	5,817	8.7 (47)	5,347	94.5 (9)
51DCS	1,291	89.2 (14)	4.9 (16)	1,374	25.5 (43)	653	40.1 (5)	987	95.3 (4)
52Marquett	570	84.4 (28)	10.9 (38)	617	37.4 (10)	497	32.0 (11)	498	91.6 (21)
56MMCAA	810	88.5 (17)	5.9 (19)	851	29.3 (34)	829	25.7 (23)	627	94.9 (5)
58Monroe	1,598	86.7 (21)	6.6 (25)	1,730	28.8 (35)	1,632	24.3 (30)	1,268	91.8 (20)
61Muskegon	2,857	86.7 (21)	6.0 (20)	3,109	36.6 (12)	2,635	24.6 (27)	2,387	89.6 (36)
63Oakland	7,344	90.1 (12)	4.8 (13)	8,027	26.1 (42)	6,618	21.8 (36)	5,824	91.9 (19)
73Saginaw	1,761	85.0 (26)	6.2 (21)	1,901	32.9 (21)	1,785	24.6 (27)	1,436	90.7 (27)
74St Clair	1,540	70.4 (47)	22.1 (47)	1,701	43.4 (2)	1,600	24.7 (26)	1,401	87.8 (45)
76Sanilac	448	92.9 (4)	4.0 (8)	507	36.3 (13)	486	43.0 (3)	407	94.1 (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

2020 - 2022 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		Pregnancy ⁽⁴⁾		During Pregnancy ⁽⁵⁾	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
78Shiawass	852	91.1 (8)	6.5 (22)	922	32.1 (24)	330	27.9 (19)	677	85.4 (47)
81Washtena	2,588	90.4 (11)	4.8 (13)	2,832	30.8 (28)	2,703	15.9 (43)	2,145	94.0 (14)
82Wayne	11,827	93.2 (3)	2.5 (3)	12,949	24.2 (44)	9,627	24.9 (25)	9,593	90.4 (30)
89Urban L	9,251	83.7 (32)	3.5 (5)	9,857	21.1 (47)	7,394	23.5 (31)	6,729	87.9 (44)
90Detroit	12,786	83.0 (35)	4.8 (13)	13,439	21.7 (46)	10,313	16.1 (42)	9,195	89.9 (33)
Michigan	120,607	86.1	6.3	130,455	28.6	110,261	22.0	96,597	90.7

(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) 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

2020 - 2022 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	878	35.8 (39)	841	24.6 (46)	227	26.0 (43)	723	15.5 (47)	842	5.5 (47)
02LMAS	347	38.9 (44)	332	22.3 (40)	98	34.7 (31)	301	13.6 (45)	331	5.4 (46)
04DHD#4	917	36.9 (42)	860	21.0 (38)	250	36.8 (27)	766	11.1 (37)	866	4.0 (35)
05NWMCHA	1,150	32.9 (33)	1,140	19.0 (36)	279	33.0 (33)	901	12.4 (42)	1,139	4.2 (38)
06CMDHD	2,734	32.8 (32)	2,654	21.9 (39)	698	27.5 (41)	2,283	13.4 (44)	2,649	4.6 (40)
07West UP	699	35.8 (39)	668	22.9 (43)	169	32.5 (36)	554	10.3 (30)	670	3.6 (32)
08Barry	1,111	31.3 (29)	1,098	14.8 (21)	258	47.3 (8)	845	8.8 (25)	1,100	2.8 (21)
09Bay	1,330	34.4 (38)	1,290	18.0 (33)	365	35.6 (28)	1,104	10.7 (36)	1,293	4.1 (36)
10Gr Trav	964	34.3 (36)	942	15.7 (24)	233	45.5 (9)	713	7.0 (16)	943	4.1 (36)
11Berrien	1,966	26.0 (17)	1,873	12.6 (17)	335	42.7 (16)	1,535	11.6 (38)	1,883	4.8 (43)
12BHS	2,378	27.3 (21)	2,285	16.5 (27)	472	32.8 (34)	1,921	8.8 (25)	2,282	3.1 (26)
13Calhoun	2,368	23.9 (14)	2,300	11.4 (13)	419	35.6 (28)	1,879	4.2 (6)	2,307	1.6 (8)
14Leelanau	277	34.3 (36)	264	17.4 (29)	70	44.3 (12)	216	8.3 (21)	264	5.3 (45)
15InterCar	5,637	19.4 (11)	5,502	9.5 (10)	806	39.1 (23)	4,309	4.2 (6)	5,502	2.0 (13)
17Chippewa	472	29.4 (27)	443	22.6 (41)	113	15.9 (47)	395	10.6 (35)	444	2.9 (22)
19Mid-Mich	1,643	32.9 (33)	1,616	17.7 (31)	412	38.8 (25)	1,315	10.5 (34)	1,617	2.9 (22)
21Delta	688	37.8 (43)	665	24.4 (45)	180	31.7 (37)	537	11.7 (40)	665	3.3 (29)
22Iron	479	36.1 (41)	452	23.2 (44)	133	24.8 (44)	403	6.5 (15)	451	2.4 (17)
25Genesee	6,337	21.4 (13)	6,198	11.9 (15)	959	39.9 (21)	4,961	8.0 (20)	6,188	2.9 (22)

(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

2020 - 2022 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)
30HDI	1,541	26.0 (17)	1,542	10.7 (12)	338	49.7 (7)	1,309	11.6 (38)	1,543	4.3 (39)
32Huron	338	34.0 (35)	348	19.3 (37)	89	31.5 (38)	250	10.4 (31)	348	4.6 (40)
33Ingham	4,571	17.7 (10)	4,584	8.8 (9)	605	44.3 (12)	3,569	4.1 (3)	4,580	2.3 (15)
35Keweenaw	82	61.0 (47)	79	41.8 (47)	43	23.3 (45)	77	14.3 (46)	79	2.5 (18)
37Ionia	732	28.3 (23)	716	17.6 (30)	149	27.5 (41)	555	7.4 (17)	720	2.5 (18)
38Jackson	2,433	29.1 (26)	2,400	18.4 (35)	571	29.6 (39)	2,021	7.8 (19)	2,397	2.3 (15)
39Kalamazo	3,069	20.8 (12)	2,919	10.4 (11)	458	37.6 (26)	2,441	5.1 (11)	2,917	2.1 (14)
41Kent	8,206	12.9 (6)	8,049	6.3 (6)	740	45.3 (10)	6,257	3.8 (2)	8,033	1.3 (4)
43DHD#10	3,964	28.4 (24)	3,859	18.3 (34)	875	29.4 (40)	3,243	10.4 (31)	3,861	3.9 (34)
44Lapeer	631	29.0 (25)	622	16.2 (26)	123	43.9 (14)	485	6.4 (14)	622	1.6 (8)
45Tuscola	676	32.5 (31)	674	17.7 (31)	169	40.8 (19)	531	12.2 (41)	674	3.1 (26)
46CAA	1,060	26.8 (20)	999	12.2 (16)	200	44.5 (11)	827	9.3 (28)	999	3.8 (33)
47Livingst	851	27.7 (22)	811	15.0 (22)	156	40.4 (20)	628	4.9 (10)	809	1.9 (12)
50Macomb	7,065	11.4 (3)	6,975	5.2 (5)	579	41.1 (18)	5,338	4.4 (9)	6,962	1.3 (4)
51DCS	1,326	14.3 (7)	1,303	6.8 (8)	143	50.3 (6)	982	4.1 (3)	1,306	1.7 (11)
52Marquett	606	38.9 (44)	589	22.8 (42)	194	34.5 (32)	495	8.3 (21)	588	1.0 (1)
56MMCAA	829	24.8 (16)	812	13.9 (20)	152	39.5 (22)	627	5.1 (11)	808	1.5 (7)
58Monroe	1,666	29.4 (27)	1,605	15.1 (23)	348	41.4 (17)	1,267	9.9 (29)	1,603	4.7 (42)
61Muskegon	2,929	26.2 (19)	2,945	16.1 (25)	583	32.8 (34)	2,391	8.5 (23)	2,944	3.4 (30)

(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

2020 - 2022 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)
63Oakland	7,774	9.9 (1)	7,407	4.8 (4)	541	39.0 (24)	5,811	3.4 (1)	7,411	1.0 (1)
73Saginaw	1,792	31.4 (30)	1,790	13.0 (19)	421	52.7 (4)	1,435	10.4 (31)	1,790	3.1 (26)
74St Clair	1,642	39.2 (46)	1,542	17.1 (28)	485	43.1 (15)	1,401	13.3 (43)	1,544	4.9 (44)
76Sanilac	489	16.0 (8)	449	11.6 (14)	54	22.2 (46)	405	6.2 (13)	449	1.6 (8)
78Shiawass	897	23.9 (14)	854	12.6 (17)	161	34.8 (30)	671	7.5 (18)	847	3.4 (30)
81Washtena	2,734	16.2 (9)	2,609	6.3 (6)	314	53.2 (3)	2,142	4.3 (8)	2,611	1.0 (1)
82Wayne	12,354	10.6 (2)	11,982	4.4 (2)	885	50.8 (5)	9,592	4.1 (3)	11,994	1.3 (4)
89Urban L	9,280	12.7 (5)	9,426	4.4 (2)	818	60.4 (1)	6,711	8.5 (23)	9,421	3.0 (25)
90Detroit	12,529	11.9 (4)	12,934	4.0 (1)	1,095	57.3 (2)	9,175	8.8 (25)	12,918	2.7 (20)
Michigan	124,524	19.5	122,282	9.9	17,765	40.9	96,341	7.1	122,248	2.5

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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 8F

2020 - 2022 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	492	8.3 (13)	7.9 (24)	798	9.9 (6)	448	5.6 (43)	492	69.7 (39)
02LMAS	215	7.9 (10)	9.3 (42)	321	12.8 (32)	187	3.7 (18)	215	81.9 (13)
04DHD#4	535	9.2 (22)	8.8 (35)	839	11.3 (18)	458	4.1 (25)	536	79.3 (20)
05NWMCHA	706	9.3 (23)	8.4 (29)	1,099	9.7 (5)	621	3.7 (18)	742	82.2 (12)
06CMDHD	1,628	8.8 (18)	8.5 (31)	2,550	10.4 (10)	1,447	4.7 (31)	1,630	78.4 (22)
07West UP	405	8.9 (19)	10.6 (46)	655	9.6 (4)	362	4.4 (28)	405	83.5 (9)
08Barry	643	10.4 (31)	6.2 (14)	1,080	12.6 (31)	559	3.9 (22)	653	86.8 (2)
09Bay	802	10.8 (35)	9.1 (38)	1,255	12.4 (30)	694	3.9 (22)	808	72.4 (31)
10Gr Trav	597	9.5 (25)	8.9 (37)	901	11.1 (17)	526	3.6 (17)	601	86.9 (1)
11Berrien	1,135	8.5 (14)	5.4 (8)	1,823	10.9 (15)	1,002	4.9 (32)	1,136	74.0 (29)
12BHS	1,437	7.7 (8)	8.7 (32)	2,218	10.9 (15)	1,271	3.5 (13)	1,446	83.3 (10)
13Calhoun	1,362	10.5 (32)	6.6 (18)	2,237	10.4 (10)	1,202	5.3 (37)	1,374	75.8 (27)
14Leelanau	170	11.2 (37)	8.8 (35)	253	11.5 (23)	149	6.7 (45)	170	86.5 (4)
15Intercar	3,058	9.1 (21)	7.5 (22)	5,336	12.9 (34)	2,641	3.3 (9)	3,309	80.1 (16)
17Chippewa	257	8.6 (15)	12.1 (47)	421	10.0 (8)	219	3.7 (18)	257	72.0 (32)
19Mid-Mich	968	9.9 (28)	8.0 (25)	1,561	13.3 (36)	824	2.1 (1)	970	85.2 (6)
21Delta	382	6.0 (1)	8.1 (27)	644	8.9 (2)	342	2.6 (5)	383	77.0 (24)
22Iron	284	7.0 (6)	7.4 (21)	443	11.3 (18)	252	2.4 (3)	285	78.9 (21)
25Genesee	3,589	11.8 (40)	4.7 (4)	6,083	13.3 (36)	3,079	5.4 (40)	3,594	62.0 (43)

(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) <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

2020 - 2022 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	913	13.6 (45)	4.9 (5)	1,486	14.2 (42)	780	6.0 (44)	915	66.2 (41)
32Huron	235	6.8 (3)	9.8 (43)	342	9.9 (6)	211	3.3 (9)	235	78.3 (23)
33Ingham	2,879	11.6 (38)	5.7 (9)	4,458	13.5 (40)	2,474	4.3 (27)	2,893	80.1 (16)
35Keweenaw	58	8.6 (15)	10.3 (45)	75	14.7 (45)	48	4.2 (26)	59	79.7 (18)
37Ionia	477	7.8 (9)	10.1 (44)	709	10.7 (14)	427	3.5 (13)	476	86.6 (3)
38Jackson	1,541	10.3 (30)	8.0 (25)	2,322	12.1 (27)	1,357	5.0 (34)	1,546	75.7 (28)
39Kalamazo	1,741	10.6 (33)	6.4 (17)	2,840	12.1 (27)	1,522	3.9 (22)	1,766	71.6 (34)
41Kent	4,559	13.1 (44)	5.9 (11)	7,886	15.1 (46)	3,852	5.4 (40)	4,611	76.7 (25)
43DHD#10	2,349	9.4 (24)	8.7 (32)	3,677	11.9 (24)	2,047	3.5 (13)	2,360	82.3 (11)
44Lapeer	395	8.9 (19)	8.1 (27)	603	11.9 (24)	337	4.5 (29)	395	83.8 (8)
45Tuscola	428	8.2 (12)	8.4 (29)	656	11.3 (18)	377	3.7 (18)	428	79.7 (18)
46CAA	612	6.0 (1)	9.2 (41)	987	8.8 (1)	562	2.8 (6)	612	70.3 (38)
47Livingst	473	9.5 (25)	6.3 (16)	792	13.4 (39)	413	3.1 (7)	473	85.0 (7)
50Macomb	3,935	12.6 (42)	4.6 (3)	6,738	13.6 (41)	3,350	5.2 (36)	3,953	64.3 (42)
51DCS	759	9.7 (27)	6.2 (14)	1,274	11.9 (24)	666	3.5 (13)	763	72.0 (32)
52Marquett	362	6.9 (4)	9.1 (38)	562	9.1 (3)	324	3.4 (11)	363	86.2 (5)
56MMCAA	485	7.4 (7)	9.1 (38)	796	10.3 (9)	429	2.3 (2)	487	80.5 (15)
58Monroe	901	8.0 (11)	7.0 (20)	1,560	11.3 (18)	801	2.4 (3)	902	70.6 (36)
61Muskegon	1,889	10.7 (34)	6.1 (13)	2,834	12.8 (32)	1,631	5.4 (40)	1,896	70.4 (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) <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

2020 - 2022 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)
63Oakland	4,214	11.7 (39)	6.0 (12)	7,245	13.0 (35)	3,611	4.6 (30)	4,268	76.3 (26)
73Saginaw	1,133	12.7 (43)	5.8 (10)	1,749	13.3 (36)	983	5.1 (35)	1,143	71.2 (35)
74St Clair	947	10.0 (29)	6.7 (19)	1,489	12.2 (29)	823	3.4 (11)	947	68.1 (40)
76Sanilac	276	8.7 (17)	7.6 (23)	442	10.6 (13)	246	4.9 (32)	280	56.8 (46)
78Shiawass	494	6.9 (4)	8.7 (32)	839	10.4 (10)	441	3.2 (8)	495	72.7 (30)
81Washtena	1,511	12.5 (41)	5.2 (6)	2,531	14.2 (42)	1,273	5.3 (37)	1,525	80.7 (14)
82Wayne	6,818	11.1 (36)	5.3 (7)	11,664	11.4 (22)	5,998	5.3 (37)	7,066	59.8 (44)
89Urban L	5,030	15.2 (47)	4.0 (1)	9,093	17.1 (47)	4,087	7.6 (47)	5,166	58.8 (45)
90Detroit	7,356	14.7 (46)	4.5 (2)	12,622	14.6 (44)	6,194	7.3 (46)	7,487	55.8 (47)
Michigan	71,436	11.3	6.2	118,823	13.0	61,548	5.0	72,517	48.4

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(5) >4000 g.

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

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