

WIC PNNS & PedNSS

Table 3F

2018 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	440	91.1	0.0	2.5	0.7	0.0	5.0	0.7
02LMAS	168	74.4	0.6	1.8	2.4	0.0	20.8	0.0
04DHD#4	376	92.6	0.5	2.1	0.0	0.0	4.8	0.0
05NWMCHA	600	90.0	0.8	3.0	1.0	0.3	4.8	0.0
06CMDHD	1,120	89.7	1.9	3.4	1.1	0.2	3.6	0.2
07West UP	303	88.8	1.3	2.3	0.0	3.0	3.0	1.7
08Barry	569	88.9	3.0	5.1	0.2	0.2	2.3	0.4
09Bay	554	80.3	0.9	10.5	0.0	0.0	7.6	0.7
10Gr Trav	436	81.7	1.1	8.7	1.6	1.4	4.4	1.1
11Berrien	924	47.3	37.1	7.9	0.4	1.2	4.4	1.6
12BHS	1,120	81.0	1.3	12.8	0.0	0.4	3.6	1.0
13Calhoun	1,013	62.7	18.3	7.0	0.0	4.9	6.6	0.5
14Leelanau	129	83.7	0.0	10.1	2.3	0.8	2.3	0.8
15Interkar	2,515	62.0	3.7	25.5	0.2	1.4	5.5	1.7
17Chippewa	243	57.6	0.4	2.9	16.5	0.4	21.4	0.8
19Mid-Mich	779	88.8	0.1	8.6	0.1	0.0	2.2	0.1
21Delta	301	85.7	0.3	2.3	0.3	0.7	9.3	1.3
22Iron	208	92.3	1.0	1.4	0.0	0.0	4.8	0.5
25Genesee	2,730	46.6	40.7	4.7	0.1	0.4	6.9	0.7
30HDI	546	20.3	53.7	22.2	0.2	0.2	3.5	0.0
32Huron	136	95.6	0.0	2.2	0.7	0.0	1.5	0.0
33Ingham	1,758	43.1	26.8	16.4	0.2	5.0	8.1	0.4
35Keweenaw	48	*	*	*	*	*	*	*

(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	358	89.1	0.3	7.0	0.0	0.0	3.6	0.0
38Jackson	1,081	72.1	14.3	5.2	0.0	0.4	7.7	0.4
39Kalamazo	1,317	47.8	30.5	9.4	0.2	0.9	10.8	0.4
40Kal Fam	150	36.7	41.3	12.7	0.7	1.3	7.3	0.0
41Kent	3,825	35.1	26.8	27.1	0.3	4.5	5.6	0.5
43DHD#10	1,697	82.8	1.1	11.1	0.2	0.4	3.9	0.4
44Lapeer	377	87.3	0.8	6.4	0.0	0.5	5.0	0.0
45Tuscola	357	90.2	0.0	5.6	0.0	0.0	3.9	0.3
46CAA	486	75.3	1.6	16.9	0.0	0.0	5.3	0.8
47Livingst	379	92.9	0.3	3.4	0.0	1.3	1.8	0.3
50Macomb	2,877	53.9	31.2	2.8	0.2	6.6	4.8	0.5
51DCS	619	68.3	12.4	12.4	0.0	1.1	5.7	0.0
52Marquett	294	85.0	0.3	4.1	1.7	0.0	8.5	0.3
56MMCAA	336	93.2	0.9	1.8	0.0	1.5	2.7	0.0
58Monroe	641	81.0	4.8	7.8	0.0	0.5	5.5	0.5
61Muskegon	1,462	55.1	28.2	8.8	0.1	0.4	7.0	0.2
63Oakland	3,217	46.8	33.7	11.6	0.1	2.4	5.0	0.4
73Saginaw	911	46.0	31.6	16.8	0.0	0.2	4.6	0.8
74St Clair	772	82.1	5.4	6.1	0.0	0.1	5.6	0.6
76Sanilac	208	92.3	0.0	5.8	0.0	0.0	1.4	0.5
78Shiawass	386	89.9	0.3	4.9	0.3	0.3	4.4	0.0
81Washtena	1,076	36.6	39.4	10.4	0.4	2.3	9.8	1.1
82Wayne	5,802	55.8	29.3	4.8	0.2	5.8	3.7	0.4

(1) Reporting period is January 1 through December 31

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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 %
89Urban L	3,768	11.3	80.7	4.1	0.1	0.7	2.9	0.2
90Detroit	5,922	8.2	72.9	15.8	0.1	0.9	1.9	0.2
Michigan	55,407	51.7	29.9	10.5	0.4	2.1	4.9	0.5
National (Prior Year)	94,408	50.1	22.6	18.8	2.0	2.9	3.3	0.4

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Table 4F

2018 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	440	0.0	3.2	9.1	66.8	20.2	0.7	0.0
02LMAS	168	0.0	3.6	8.3	59.5	28.0	0.6	0.0
04DHD#4	376	0.3	3.2	9.0	64.9	21.8	0.8	0.0
05NWMCHA	600	0.0	1.0	8.5	65.7	23.8	1.0	0.0
06CMDHD	1,120	0.1	3.0	10.0	63.7	21.8	1.3	0.1
07West UP	303	0.0	2.6	5.0	65.7	23.8	2.6	0.3
08Barry	569	0.0	1.2	11.2	62.4	23.6	1.2	0.4
09Bay	554	0.0	2.3	10.6	64.3	20.9	1.8	0.0
10Gr Trav	436	0.0	3.0	7.3	62.4	24.8	2.5	0.0
11Berrien	924	0.0	3.7	10.3	62.9	21.1	1.5	0.5
12BHS	1,120	0.1	3.0	9.4	65.6	20.1	1.8	0.0
13Calhoun	1,013	0.0	3.5	9.9	62.5	22.7	1.3	0.2
14Leelanau	129	0.0	1.6	9.3	62.8	23.3	3.1	0.0
15Interkar	2,515	0.2	3.0	8.5	61.1	25.3	1.9	0.1
17Chippewa	243	0.4	1.2	7.8	60.9	28.4	1.2	0.0
19Mid-Mich	779	0.0	2.7	10.4	65.7	19.8	1.4	0.0
21Delta	301	0.0	3.0	8.0	62.8	24.9	1.3	0.0
22Iron	208	0.0	1.9	10.1	63.0	23.6	1.4	0.0
25Genesee	2,730	0.3	2.4	7.9	64.8	23.3	1.4	0.0
30HDI	546	0.4	4.2	9.3	64.7	20.0	1.5	0.0
32Huron	136	0.0	2.2	7.4	61.8	27.2	1.5	0.0
33Ingham	1,758	0.2	3.5	7.6	61.5	25.3	1.9	0.1
35Keweenaw	48	*	*	*	*	*	*	*
37Ionia	358	0.0	3.4	7.3	69.8	18.7	0.8	0.0

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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	1,081	0.1	3.6	8.9	67.3	19.2	0.5	0.4
39Kalamazo	1,317	0.1	3.2	9.1	63.9	21.9	1.7	0.1
40Kal Fam	150	0.7	2.7	10.0	60.7	23.3	2.7	0.0
41Kent	3,825	0.2	2.6	8.2	59.3	27.5	1.9	0.4
43DHD#10	1,697	0.1	2.9	8.1	67.9	19.7	1.3	0.0
44Lapeer	377	0.0	4.0	8.0	61.5	24.4	1.9	0.3
45Tuscola	357	0.0	2.8	9.2	64.4	22.7	0.8	0.0
46CAA	486	0.0	2.5	10.3	64.6	21.8	0.8	0.0
47Livingst	379	0.0	1.6	7.4	61.2	28.2	1.6	0.0
50Macomb	2,877	0.0	1.6	4.8	60.2	30.9	2.5	0.0
51DCS	619	0.2	0.8	4.8	61.7	30.0	2.4	0.0
52Marquett	294	0.3	2.0	6.8	61.6	28.9	0.3	0.0
56MMCAA	336	0.0	2.1	6.5	67.6	22.6	1.2	0.0
58Monroe	641	0.0	2.5	9.2	62.2	24.2	1.9	0.0
61Muskegon	1,462	0.3	3.5	9.2	65.8	19.9	1.3	0.0
63Oakland	3,217	0.1	1.7	6.6	59.9	29.1	2.6	0.0
73Saginaw	911	0.1	2.5	9.5	65.4	20.4	2.0	0.0
74St Clair	772	0.1	3.4	8.2	64.5	22.5	1.2	0.1
76Sanilac	208	0.0	1.9	7.7	61.1	27.4	1.9	0.0
78Shiawass	386	0.3	2.6	8.5	70.7	16.3	1.6	0.0
81Washtena	1,076	0.2	2.6	5.4	59.9	28.7	3.1	0.2
82Wayne	5,802	0.1	2.0	5.1	60.7	29.3	2.7	0.2
89Urban L	3,768	0.2	2.3	7.8	63.1	24.7	2.0	0.0
90Detroit	5,922	0.1	2.8	7.6	61.1	25.8	2.6	0.1

(1) Reporting period is January 1 through December 31

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Michigan

Comparison of Age Distribution by Local Agency

Michigan	55,413	0.1	2.6	7.7	62.5	25.1	2.0	0.1
National (Prior Year)	98,943	0.1	2.7	7.5	61.8	25.7	2.0	0.1

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Table 5F

2018 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	333	4.5 (28)	58.6 (20)	176	19.3 (27)	50.0 (13)	69	*	94	*	407	5.2 (5)	407	8.8 (7)
02LMAS	130	3.8 (13)	63.8 (44)	74	*	*	16	*	47	*	155	10.3 (45)	155	12.3 (28)
04DHD#4	353	4.5 (28)	60.1 (30)	234	19.2 (25)	53.0 (27)	54	*	71	*	353	6.8 (21)	353	9.6 (12)
05NWMCHA	426	4.7 (33)	52.1 (5)	184	18.5 (21)	51.1 (17)	91	*	96	*	561	7.3 (28)	563	8.5 (5)
06CMDHD	934	3.9 (17)	59.9 (28)	620	17.4 (13)	51.6 (20)	167	38.3 (3)	213	23.0 (5)	1,053	5.2 (5)	1,053	11.0 (22)
07West UP	213	4.7 (33)	51.6 (2)	100	17.0 (11)	45.0 (5)	54	*	85	*	272	6.3 (19)	273	9.2 (9)
08Barry	366	4.4 (27)	57.7 (15)	179	15.1 (4)	57.0 (37)	82	*	111	22.5 (4)	519	7.9 (34)	520	13.3 (33)
09Bay	478	4.0 (20)	61.1 (35)	372	17.7 (17)	51.9 (21)	89	*	69	*	521	7.7 (31)	521	10.4 (15)
10Gr Trav	397	3.8 (13)	51.9 (4)	328	17.4 (13)	53.4 (28)	57	*	59	*	408	9.3 (42)	409	11.7 (26)
11Berrien	774	3.2 (5)	61.8 (39)	575	17.0 (11)	56.0 (36)	152	50.7 (14)	140	26.4 (7)	835	5.9 (15)	835	11.0 (22)
12BHS	905	5.5 (41)	59.7 (26)	544	16.4 (9)	53.5 (30)	176	24.4 (1)	183	26.2 (6)	1,021	5.7 (11)	1,021	9.8 (13)
13Calhoun	824	3.4 (7)	59.7 (26)	498	21.5 (32)	54.6 (32)	146	50.0 (13)	192	31.8 (12)	921	7.2 (24)	922	9.0 (8)
14Leelanau	115	2.6 (2)	60.0 (29)	85	*	*	14	*	24	*	122	9.0 (41)	122	7.4 (2)
15Inter-car	2,018	3.8 (13)	61.1 (35)	1,210	22.1 (33)	46.0 (6)	339	49.3 (11)	565	38.1 (18)	2,289	7.7 (31)	2,294	10.9 (21)
17Chippewa	175	4.0 (20)	62.9 (42)	92	*	*	38	*	38	*	220	8.2 (37)	219	10.5 (17)
19Mid-Mich	715	5.9 (43)	61.4 (37)	556	17.4 (13)	54.3 (31)	101	26.7 (2)	198	16.7 (1)	729	9.6 (44)	730	14.0 (41)
21Delta	183	1.6 (1)	52.5 (6)	104	15.4 (6)	52.9 (26)	43	*	74	*	263	9.5 (43)	263	9.9 (14)

(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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Table 5F 2018 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	164	4.3 (24)	55.5 (9)	56	*	*	24	*	33	*	188	3.7 (2)	188	13.8 (38)
25Genesee	2,146	5.1 (39)	56.8 (12)	971	17.5 (16)	51.0 (16)	521	55.9 (18)	419	34.6 (14)	2,536	8.0 (36)	2,540	16.3 (44)
30HDI	513	2.7 (3)	66.3 (45)	390	23.6 (38)	44.9 (4)	93	*	319	47.0 (28)	503	5.0 (4)	502	10.4 (15)
32Huron	106	3.8 (13)	67.9 (46)	87	*	*	17	*	37	*	131	7.6 (30)	131	18.3 (46)
33Ingham	1,481	4.9 (37)	59.4 (24)	1,206	19.2 (25)	52.6 (23)	275	49.1 (9)	235	31.9 (13)	1,644	6.3 (19)	1,645	9.5 (11)
35Keweenaw	34	*	*	5	*	*	5	*	13	*	41	*	41	*
37Ionia	206	4.9 (37)	57.8 (17)	129	15.5 (8)	55.8 (35)	65	*	102	20.6 (3)	327	7.0 (22)	326	17.2 (45)
38Jackson	818	6.1 (44)	60.1 (30)	455	15.2 (5)	52.5 (22)	171	43.3 (7)	194	42.3 (25)	1,004	5.4 (9)	1,005	11.3 (24)
39Kalamazo	1,075	4.0 (20)	58.9 (21)	578	16.4 (9)	54.8 (33)	195	53.3 (16)	317	43.8 (27)	1,213	7.2 (24)	1,214	9.3 (10)
40Kal Fam	124	3.2 (5)	62.1 (40)	53	*	*	0	*	22	*	127	5.5 (10)	127	11.8 (27)
41Kent	2,692	3.6 (9)	58.5 (18)	1,225	25.4 (39)	42.7 (1)	590	45.6 (8)	1,278	41.2 (23)	3,559	7.2 (24)	3,562	12.3 (28)
43DHD#10	1,469	3.9 (17)	59.2 (22)	928	21.3 (31)	48.9 (10)	249	39.0 (4)	369	28.2 (8)	1,574	5.7 (11)	1,575	10.8 (19)
44Lapeer	373	5.6 (42)	54.2 (7)	326	14.7 (3)	55.2 (34)	61	*	117	31.6 (10)	355	3.4 (1)	355	3.9 (1)
45Tuscola	272	7.4 (46)	55.5 (9)	220	14.5 (2)	58.2 (39)	54	*	64	*	342	7.9 (34)	342	12.6 (31)
46CAA	421	4.3 (24)	54.6 (8)	116	23.3 (36)	43.1 (2)	95	*	123	42.3 (25)	442	7.0 (22)	443	13.8 (38)
47Livingst	359	4.7 (33)	51.8 (3)	253	15.4 (6)	53.4 (28)	61	*	125	18.4 (2)	358	11.2 (47)	357	15.4 (43)
50Macomb	2,635	4.6 (31)	60.8 (32)	2,164	19.5 (28)	50.6 (14)	532	50.9 (15)	768	40.6 (22)	2,693	8.8 (40)	2,690	10.6 (18)

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

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

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

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

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Table 5F 2018 Pregnancy Nutrition Surveillance (1) Michigan

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Local Agency	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)			(5)			(6)							
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
51DCS	578	4.3 (24)	58.5 (18)	463	14.3 (1)	51.4 (19)	118	39.0 (4)	137	36.5 (16)	570	10.5 (46)	571	13.7 (37)
52Marquett	258	3.5 (8)	50.8 (1)	196	22.4 (34)	43.9 (3)	38	*	80	*	267	4.1 (3)	268	19.0 (47)
56MMCAA	282	2.8 (4)	59.6 (25)	50	*	*	46	*	168	28.6 (9)	320	5.9 (15)	321	15.3 (42)
58Monroe	514	4.5 (28)	57.6 (14)	315	23.5 (37)	47.0 (8)	101	58.4 (19)	132	37.9 (17)	577	7.5 (29)	577	12.3 (28)
61Muskegon	1,354	4.0 (20)	60.8 (32)	978	20.9 (30)	49.0 (11)	172	40.7 (6)	183	31.7 (11)	1,344	7.2 (24)	1,348	13.4 (35)
63Oakland	2,815	3.9 (17)	57.7 (15)	1,830	17.9 (18)	50.9 (15)	584	49.1 (9)	750	39.9 (20)	3,002	5.2 (5)	3,002	8.4 (4)
73Saginaw	732	5.1 (39)	59.3 (23)	506	20.6 (29)	48.6 (9)	138	61.6 (21)	169	38.5 (19)	850	6.0 (17)	850	10.8 (19)
74St Clair	734	6.1 (44)	56.4 (11)	623	18.3 (20)	57.3 (38)	91	*	180	36.1 (15)	702	5.3 (8)	704	13.1 (32)
76Sanilac	43	*	*	23	*	*	34	*	42	*	189	5.8 (13)	189	7.4 (2)
78Shiawass	371	4.6 (31)	60.9 (34)	307	22.5 (35)	46.9 (7)	53	*	87	*	362	8.3 (38)	362	13.3 (33)
81Washtena	1,001	3.7 (10)	61.5 (38)	674	18.0 (19)	51.2 (18)	201	53.7 (17)	310	41.3 (24)	969	7.8 (33)	969	13.8 (38)
82Wayne	4,255	4.7 (33)	57.2 (13)	2,557	19.0 (23)	49.6 (12)	1,138	49.8 (12)	1,622	40.0 (21)	5,398	8.3 (38)	5,398	8.7 (6)
89Urban L	3,226	3.7 (10)	62.5 (41)	2,139	18.9 (22)	52.6 (23)	647	63.4 (22)	559	55.8 (30)	3,502	5.8 (13)	3,505	13.5 (36)
90Detroit	4,850	3.7 (10)	63.7 (43)	3,333	19.1 (24)	52.7 (25)	1,033	58.7 (20)	830	47.2 (29)	5,594	6.1 (18)	5,596	11.4 (25)
Michigan	45,296	4.3	59.5	29,118	19.1	51.0	9,090	49.4	12,050	37.9	51,368	7.0	51,399	11.4
National (Prior Year)	78,830	4.2	58.1	60,587	20.6	48.3	19,110	33.8	18,650	29.5	62,888	9.8	62,050	11.8

(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 PNNS & PedNSS

Table 6F

2018 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	401	86.0 (21)	9.2 (27)	435	36.1 (16)	392	21.9 (20)	357	91.3 (12)
02LMAS	156	76.9 (44)	15.4 (44)	167	43.7 (4)	135	20.7 (25)	138	87.7 (24)
04DHD#4	350	86.6 (19)	6.3 (17)	372	35.5 (19)	328	25.6 (11)	294	90.1 (18)
05NWMCHA	565	92.0 (2)	4.2 (8)	592	31.3 (30)	540	34.1 (6)	446	87.9 (22)
06CMDHD	1,047	80.4 (34)	12.4 (36)	1,108	39.4 (8)	972	24.9 (15)	917	87.7 (24)
07West UP	274	86.9 (16)	7.3 (23)	296	29.7 (35)	270	46.7 (2)	231	92.2 (11)
08Barry	519	87.9 (11)	6.2 (16)	562	33.5 (25)	520	20.8 (24)	448	93.3 (4)
09Bay	517	73.9 (45)	20.7 (46)	551	41.7 (5)	513	14.0 (41)	468	82.5 (39)
10Gr Trav	411	78.6 (36)	15.1 (43)	431	29.7 (35)	390	23.3 (18)	309	86.1 (31)
11Berrien	816	73.0 (46)	11.2 (33)	911	29.7 (35)	778	15.4 (36)	671	90.0 (19)
12BHS	958	77.7 (39)	12.1 (34)	1,100	34.7 (22)	990	19.3 (26)	882	86.2 (30)
13Calhoun	904	89.2 (8)	4.9 (11)	1,002	36.0 (17)	711	15.9 (35)	777	81.6 (42)
14Leelanau	121	82.6 (28)	12.4 (36)	127	32.3 (27)	87	*	88	*
15Intercar	2,254	87.9 (11)	6.1 (15)	2,481	34.1 (23)	1,840	25.1 (14)	1,820	82.4 (40)
17Chippewa	222	86.9 (16)	8.1 (25)	233	46.8 (3)	207	45.9 (3)	198	82.8 (38)
19Mid-Mich	726	81.7 (32)	12.3 (35)	766	35.6 (18)	668	23.8 (17)	580	90.2 (17)
21Delta	262	91.6 (3)	2.7 (4)	294	40.5 (7)	260	24.2 (16)	237	90.3 (16)
22Iron	195	86.7 (18)	10.3 (30)	206	47.6 (2)	190	33.2 (7)	179	92.7 (10)
25Genesee	2,524	85.5 (22)	4.4 (9)	2,677	23.0 (44)	2,253	11.6 (44)	1,924	89.3 (21)
30HDI	500	77.0 (43)	6.0 (14)	544	33.8 (24)	475	10.7 (45)	439	77.9 (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) 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 PNNS & PedNSS

Table 6F

2018 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	130	80.0 (35)	13.1 (39)	136	37.5 (12)	119	38.7 (4)	99	*
33Ingham	1,626	87.2 (15)	6.3 (17)	1,741	30.8 (33)	1,551	6.5 (46)	1,315	92.8 (8)
35Keweenaw	41	*	*	46	*	41	*	39	*
37Ionia	326	93.6 (1)	2.5 (3)	356	31.7 (29)	322	21.1 (22)	274	96.7 (1)
38Jackson	997	88.1 (10)	5.7 (13)	1,070	40.6 (6)	954	14.7 (39)	879	85.4 (34)
39Kalamazo	1,199	81.9 (31)	9.0 (26)	1,298	35.1 (20)	1,177	15.2 (37)	1,018	81.9 (41)
40Kal Fam	125	82.4 (29)	14.4 (40)	149	80.5 (1)	146	17.1 (31)	150	68.7 (45)
41Kent	3,547	83.6 (25)	6.3 (17)	3,783	27.9 (38)	3,181	18.5 (28)	2,929	91.0 (13)
43DHD#10	1,565	83.1 (26)	10.0 (29)	1,670	38.3 (11)	1,297	31.6 (9)	1,343	87.7 (24)
44Lapeer	355	80.6 (33)	14.9 (42)	369	32.2 (28)	343	15.2 (37)	283	92.9 (6)
45Tuscola	341	77.7 (39)	14.7 (41)	351	36.2 (15)	309	25.2 (13)	266	92.9 (6)
46CAA	442	84.4 (24)	7.7 (24)	475	27.2 (39)	415	25.5 (12)	351	85.2 (35)
47Livingst	356	90.4 (5)	3.7 (6)	371	22.1 (46)	266	35.0 (5)	247	93.1 (5)
50Macomb	2,665	89.1 (9)	4.7 (10)	2,823	24.8 (42)	1,934	16.2 (33)	2,030	90.6 (15)
51DCS	567	90.7 (4)	3.9 (7)	612	25.8 (41)	474	20.9 (23)	443	92.8 (8)
52Marquett	264	87.5 (13)	6.8 (21)	289	34.9 (21)	218	30.3 (10)	215	94.0 (3)
56MMCAA	323	84.8 (23)	11.1 (32)	332	32.8 (26)	296	31.8 (8)	256	95.7 (2)
58Monroe	578	78.4 (38)	12.5 (38)	630	30.8 (33)	569	18.8 (27)	471	85.8 (33)
61Muskegon	1,326	86.3 (20)	6.7 (20)	1,425	38.8 (10)	1,238	21.4 (21)	1,113	79.8 (43)
63Oakland	2,950	87.5 (13)	5.3 (12)	3,162	26.6 (40)	2,235	14.5 (40)	2,343	87.2 (28)
73Saginaw	838	77.6 (41)	10.9 (31)	895	30.9 (32)	772	17.7 (29)	665	87.7 (24)

(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 PNNS & PedNSS

Table 6F

2018 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)
74St Clair	705	67.9 (47)	22.4 (47)	766	36.8 (14)	639	17.2 (30)	613	86.9 (29)
76Sanilac	182	82.4 (29)	9.3 (28)	206	37.4 (13)	151	51.0 (1)	161	83.9 (37)
78Shiawass	359	77.2 (42)	15.9 (45)	384	39.1 (9)	353	13.0 (43)	307	89.9 (20)
81Washtena	968	90.4 (5)	2.4 (2)	1,068	31.0 (31)	961	16.1 (34)	822	90.9 (14)
82Wayne	5,355	89.9 (7)	3.1 (5)	5,726	23.0 (44)	4,278	22.6 (19)	4,099	87.8 (23)
89Urban L	3,472	83.0 (27)	2.2 (1)	3,692	20.9 (47)	2,399	16.8 (32)	2,582	86.1 (31)
90Detroit	5,518	78.5 (37)	6.8 (21)	5,835	24.0 (43)	3,786	13.5 (42)	4,206	84.5 (36)
Michigan	50,875	84.3	6.8	54,591	29.4	42,983	19.1	40,941	87.4
National (Prior Year)	82,216	68.1	9.0	92,908	20.8	67,301	23.1	68,644	87.7

(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.

* 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 PNNS & PedNSS

Table 7F

2018 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)
01DHD#2	396	49.2 (47)	407	34.4 (47)	169	25.4 (32)	357	20.4 (45)	407	4.2 (39)
02LMAS	150	46.7 (44)	156	32.1 (45)	59	*	138	18.1 (42)	156	1.9 (10)
04DHD#4	331	48.6 (46)	353	27.2 (42)	138	40.6 (14)	294	13.6 (33)	354	3.7 (36)
05NWMCHA	543	41.3 (37)	564	23.6 (32)	182	38.5 (16)	446	13.9 (34)	564	4.6 (40)
06CMDHD	1,014	43.1 (42)	1,052	27.3 (43)	370	32.2 (23)	917	17.7 (41)	1,053	4.8 (42)
07West UP	273	35.2 (26)	273	27.1 (41)	79	*	230	10.9 (22)	273	1.8 (9)
08Barry	520	39.8 (34)	520	19.0 (21)	165	44.2 (8)	448	8.7 (15)	520	1.5 (5)
09Bay	512	41.6 (39)	522	24.9 (36)	197	33.0 (20)	468	12.2 (25)	522	3.1 (28)
10Gr Trav	391	33.8 (21)	410	21.5 (25)	114	31.6 (24)	309	11.0 (23)	410	3.2 (29)
11Berrien	786	27.4 (12)	839	13.9 (13)	167	41.3 (13)	671	13.4 (31)	839	3.6 (33)
12BHS	1,003	35.6 (27)	1,021	22.2 (28)	288	30.2 (27)	882	14.3 (36)	1,021	3.7 (36)
13Calhoun	885	32.5 (19)	919	18.6 (20)	246	24.8 (33)	777	9.5 (18)	924	2.1 (17)
14Leelanau	113	41.6 (39)	122	26.2 (40)	38	*	89	*	122	4.1 (38)
15InterCar	2,166	24.8 (10)	2,289	13.5 (12)	480	35.8 (17)	1,828	4.9 (3)	2,291	1.6 (7)
17Chippewa	223	42.2 (41)	219	33.8 (46)	81	*	201	25.9 (46)	218	18.3 (47)
19Mid-Mich	685	41.3 (37)	731	22.6 (30)	234	39.7 (15)	580	12.2 (25)	732	2.3 (20)
21Delta	271	47.2 (45)	264	25.0 (37)	97	*	237	15.2 (39)	264	1.5 (5)
22Iron	196	43.9 (43)	188	30.9 (44)	74	*	179	11.7 (24)	189	2.6 (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) 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 PNNS & PedNSS

Table 7F

2018 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	2,326	28.5 (13)	2,551	16.3 (17)	553	35.8 (17)	1,927	8.6 (13)	2,551	2.3 (20)
30HDI	477	30.8 (16)	503	16.3 (17)	127	43.3 (11)	439	10.0 (20)	503	3.2 (29)
32Huron	128	34.4 (22)	131	23.7 (33)	39	*	100	14.0 (35)	131	4.6 (40)
33Ingham	1,557	17.4 (4)	1,644	11.9 (9)	216	28.7 (29)	1,315	5.9 (4)	1,645	3.6 (33)
35Keweenaw	41	*	41	*	20	*	39	*	41	*
37Ionia	322	38.2 (29)	328	20.7 (23)	103	30.1 (28)	274	9.1 (16)	328	2.1 (17)
38Jackson	982	38.2 (29)	1,007	25.9 (39)	321	26.5 (31)	879	10.7 (21)	1,007	2.3 (20)
39Kalamazo	1,183	24.9 (11)	1,212	14.4 (15)	233	33.9 (19)	1,018	8.2 (12)	1,214	1.3 (4)
40Kal Fam	150	30.0 (15)	127	13.4 (11)	37	*	150	12.7 (28)	127	2.4 (23)
41Kent	3,398	19.7 (5)	3,565	9.2 (5)	529	44.0 (9)	2,927	6.0 (5)	3,567	1.9 (10)
43DHD#10	1,520	36.3 (28)	1,579	22.4 (29)	472	27.3 (30)	1,343	14.4 (37)	1,580	2.7 (27)
44Lapeer	343	32.4 (18)	354	11.9 (9)	85	*	283	2.5 (1)	353	0.6 (2)
45Tuscola	313	35.1 (25)	342	21.6 (27)	93	*	266	13.2 (30)	343	2.6 (25)
46CAA	419	39.1 (32)	446	17.5 (19)	130	48.5 (3)	351	9.1 (16)	446	3.6 (33)
47Livingst	338	34.6 (23)	358	19.0 (21)	89	*	248	6.9 (8)	358	3.4 (32)
50Macomb	2,528	20.8 (6)	2,691	10.2 (6)	395	47.6 (5)	2,044	8.0 (11)	2,693	1.9 (10)
51DCS	535	24.1 (9)	571	10.3 (7)	101	43.6 (10)	444	6.3 (6)	570	1.9 (10)
52Marquett	265	40.0 (35)	267	25.1 (38)	86	*	216	9.7 (19)	266	1.9 (10)
56MMCAA	296	31.1 (17)	321	21.5 (25)	77	*	256	8.6 (13)	321	2.5 (24)

(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 PNNS & PedNSS

Table 7F

2018 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)
58Monroe	571	38.4 (31)	579	24.2 (35)	162	31.5 (25)	471	13.4 (31)	580	1.9 (10)
61Muskegon	1,279	33.2 (20)	1,345	21.3 (24)	360	32.5 (21)	1,114	13.1 (29)	1,350	5.8 (45)
63Oakland	2,893	14.1 (1)	3,004	6.4 (2)	310	42.3 (12)	2,346	4.0 (2)	3,004	0.9 (3)
73Saginaw	775	34.8 (24)	849	14.0 (14)	223	48.0 (4)	665	12.3 (27)	851	2.2 (19)
74St Clair	678	40.1 (36)	707	23.8 (34)	225	32.4 (22)	613	19.6 (44)	707	5.5 (44)
76Sanilac	181	29.3 (14)	188	16.0 (16)	45	*	163	6.7 (7)	188	0.5 (1)
78Shiawass	355	39.2 (33)	363	22.9 (31)	121	30.6 (26)	307	18.6 (43)	362	3.3 (31)
81Washtena	965	23.9 (8)	975	11.4 (8)	166	46.4 (7)	823	7.2 (9)	975	1.6 (7)
82Wayne	5,130	16.3 (2)	5,399	7.9 (4)	617	47.0 (6)	4,112	7.6 (10)	5,399	1.9 (10)
89Urban L	3,133	21.0 (7)	3,505	7.3 (3)	525	62.9 (1)	2,580	15.2 (39)	3,505	5.8 (45)
90Detroit	5,003	17.0 (3)	5,601	6.0 (1)	693	55.7 (2)	4,212	14.7 (38)	5,605	4.9 (43)
Michigan	48,601	26.1	51,441	13.9	10,331	38.9	40,995	10.4	51,462	3.0
National (Prior Year)	79,888	27.4	86,864	13.9	19,045	38.3	72,847	9.3	87,350	2.8

(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 PNNS & PedNSS

Table 8F

2018 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	389	7.2 (11)	9.5 (35)	391	8.4 (6)	354	2.8 (13)	389	68.4 (36)
02LMAS	151	9.9 (34)	7.9 (25)	152	9.9 (16)	135	5.9 (44)	151	72.8 (28)
04DHD#4	335	8.1 (19)	10.7 (43)	340	10.3 (18)	299	3.3 (18)	335	74.9 (21)
05NWMCHA	485	8.2 (21)	7.4 (18)	543	7.4 (1)	445	4.0 (29)	535	81.9 (5)
06CMDHD	985	7.8 (16)	9.9 (37)	1,014	8.8 (10)	897	4.3 (33)	986	74.7 (22)
07West UP	253	5.9 (5)	9.9 (37)	260	8.1 (4)	226	3.1 (14)	254	81.5 (7)
08Barry	495	6.3 (6)	10.5 (41)	514	8.6 (8)	458	3.1 (14)	504	81.9 (5)
09Bay	494	7.1 (10)	8.9 (31)	511	9.2 (11)	450	2.4 (8)	494	72.7 (29)
10Gr Trav	395	8.4 (26)	11.9 (46)	402	9.5 (12)	356	2.2 (5)	395	85.3 (2)
11Berrien	785	8.2 (21)	7.5 (20)	814	8.6 (8)	715	4.2 (30)	785	69.7 (35)
12BHS	949	7.0 (9)	6.4 (14)	983	10.9 (22)	842	2.6 (11)	954	80.9 (9)
13Calhoun	884	8.3 (24)	7.7 (22)	900	10.6 (19)	785	3.3 (18)	886	72.0 (32)
14Leelanau	117	8.5 (27)	7.7 (22)	120	12.5 (35)	101	1.0 (3)	117	88.0 (1)
15Intercar	2,162	8.7 (28)	9.0 (33)	2,225	12.2 (33)	1,883	3.6 (23)	2,178	77.3 (17)
17Chippewa	207	4.3 (2)	10.1 (39)	207	9.7 (14)	180	1.1 (4)	208	73.6 (26)
19Mid-Mich	696	7.8 (16)	7.9 (25)	709	11.7 (27)	611	2.5 (9)	697	80.3 (10)
21Delta	247	7.7 (15)	10.5 (41)	251	9.6 (13)	222	3.6 (23)	247	74.5 (24)
22Iron	176	7.4 (12)	8.5 (30)	180	8.3 (5)	159	3.1 (14)	176	74.4 (25)
25Genesee	2,477	12.7 (45)	5.5 (7)	2,495	13.8 (44)	2,103	6.1 (45)	2,481	58.6 (43)

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

(2) Excludes records with unknown data or errors.

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

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

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

* 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 PNNS & PedNSS

Table 8F

2018 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	476	12.6 (44)	6.1 (12)	483	13.7 (42)	411	4.4 (35)	476	58.0 (44)
32Huron	121	6.6 (7)	16.5 (47)	125	8.0 (3)	112	3.6 (23)	121	80.2 (11)
33Ingham	1,548	10.1 (36)	7.2 (17)	1,600	13.1 (40)	1,345	4.8 (41)	1,556	78.7 (13)
35Keweenaw	37	*	*	40	*	33	*	36	*
37Ionia	316	9.2 (29)	5.4 (6)	321	11.8 (30)	279	2.2 (5)	317	84.2 (3)
38Jackson	945	9.7 (32)	7.6 (21)	973	12.0 (31)	828	3.9 (27)	946	74.6 (23)
39Kalamazo	1,129	9.8 (33)	9.5 (35)	1,163	13.0 (39)	976	3.5 (21)	1,140	72.9 (27)
40Kal Fam	122	3.3 (1)	4.1 (2)	125	11.2 (25)	108	0.9 (2)	122	78.7 (13)
41Kent	3,380	10.7 (40)	7.4 (18)	3,477	13.1 (40)	2,921	4.5 (37)	3,392	76.1 (19)
43DHD#10	1,478	8.1 (19)	8.0 (28)	1,517	12.2 (33)	1,286	3.5 (21)	1,477	78.8 (12)
44Lapeer	337	8.3 (24)	7.7 (22)	340	10.6 (19)	295	2.7 (12)	337	78.6 (15)
45Tuscola	320	7.8 (16)	11.6 (44)	332	9.9 (16)	285	3.2 (17)	320	72.5 (30)
46CAA	423	5.4 (4)	9.2 (34)	433	8.5 (7)	382	3.9 (27)	425	67.1 (37)
47Livingst	346	10.1 (36)	11.6 (44)	351	12.0 (31)	305	4.3 (33)	346	78.3 (16)
50Macomb	2,582	10.1 (36)	5.1 (4)	2,605	12.6 (37)	2,223	4.4 (35)	2,597	60.5 (41)
51DCS	545	9.2 (29)	5.7 (9)	558	12.5 (35)	473	4.2 (30)	548	72.1 (31)
52Marquett	258	10.9 (41)	6.2 (13)	263	12.9 (38)	224	4.9 (43)	258	82.6 (4)
56MMCAA	303	6.9 (8)	8.3 (29)	314	11.1 (23)	267	2.2 (5)	303	76.9 (18)
58Monroe	552	7.4 (12)	6.7 (16)	565	11.7 (27)	482	2.5 (9)	552	65.0 (39)

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

(2) Excludes records with unknown data or errors.

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

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

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

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

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

WIC PNNS & PedNSS

Table 8F

2018 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)
61Muskegon	1,281	11.4 (43)	5.5 (7)	1,292	15.8 (46)	1,053	4.5 (37)	1,282	65.1 (38)
63Oakland	2,871	10.5 (39)	5.8 (10)	2,913	11.5 (26)	2,511	4.8 (41)	2,884	71.4 (34)
73Saginaw	828	9.4 (31)	5.9 (11)	828	9.8 (15)	737	4.2 (30)	829	60.8 (40)
74St Clair	673	7.6 (14)	8.9 (31)	687	10.8 (21)	598	3.3 (18)	673	71.6 (33)
76Sanilac	184	4.9 (3)	10.3 (40)	188	11.7 (27)	162	0.6 (1)	184	54.9 (46)
78Shiawass	343	8.2 (21)	7.9 (25)	348	7.8 (2)	316	3.8 (26)	343	75.8 (20)
81Washtena	934	11.1 (42)	5.2 (5)	956	13.7 (42)	810	4.6 (39)	911	81.3 (8)
82Wayne	5,126	9.9 (34)	6.6 (15)	5,277	11.1 (23)	4,535	4.6 (39)	5,185	60.0 (42)
89Urban L	3,175	14.2 (47)	3.6 (1)	3,402	17.5 (47)	2,571	6.4 (46)	3,315	55.7 (45)
90Detroit	5,267	13.3 (46)	4.2 (3)	5,443	15.3 (45)	4,416	6.4 (46)	5,310	51.7 (47)
Michigan	48,594	10.2	6.7	49,968	12.5	42,176	4.5	48,971	67.7
National (Prior Year)	87,958	9.4	6.8	85,742	11.3	73,871	4.1	88,626	58.4

(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 PNNS & PedNSS

Table 3F

2016 - 2018 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	1,280	91.6	0.3	2.9	0.2	0.1	4.5	0.4
02LMAS	538	74.7	0.6	1.5	3.3	0.0	19.9	0.0
04DHD#4	1,187	90.6	0.8	2.4	0.1	0.5	5.4	0.3
05NWMCHA	1,881	90.3	0.8	2.6	0.7	0.5	5.1	0.1
06CMDHD	3,405	89.1	1.7	3.3	1.0	0.9	3.4	0.5
07West UP	932	90.8	1.2	1.6	0.1	2.9	2.6	0.9
08Barry	1,749	90.1	2.7	4.6	0.1	0.5	1.8	0.2
09Bay	1,821	80.5	2.5	10.1	0.1	0.3	5.7	0.9
10Gr Trav	1,454	85.6	1.1	7.2	1.2	1.0	3.2	0.6
11Berrien	2,857	49.6	36.7	7.5	0.3	0.8	3.9	1.3
12BHS	3,450	81.7	1.7	12.2	0.0	0.3	3.1	0.9
13Calhoun	3,157	62.0	19.0	6.7	0.2	5.5	6.1	0.6
14Leelanau	431	78.9	0.7	11.8	2.8	1.2	3.0	1.6
15Interkar	8,067	62.3	3.6	26.5	0.1	1.9	3.9	1.6
17Chippewa	712	57.9	0.4	2.2	17.3	0.6	21.3	0.3
19Mid-Mich	2,398	88.8	0.5	8.4	0.1	0.2	1.8	0.3
21Delta	961	83.8	0.4	3.7	0.5	0.7	9.5	1.4
22Iron	674	92.7	0.3	1.9	0.3	0.4	3.3	1.0
25Genesee	8,730	47.8	39.9	4.9	0.1	0.4	6.4	0.5
30HDI	1,633	17.3	55.8	22.9	0.1	0.6	3.1	0.2
32Huron	502	93.6	0.2	4.0	0.4	0.0	1.2	0.6
33Ingham	5,498	43.8	26.5	15.3	0.2	5.9	7.6	0.6
35Keweenaw	158	15.2	0.0	3.2	71.5	0.0	10.1	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 PNNS & PedNSS

Table 3F

2016 - 2018 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	1,142	90.2	0.1	6.8	0.0	0.2	2.7	0.0
38Jackson	3,304	72.7	14.2	5.6	0.1	0.6	6.5	0.3
39Kalamazo	2,934	53.9	28.0	8.6	0.2	1.2	7.5	0.7
40Kal Fam	1,775	39.5	42.9	11.1	0.1	1.0	5.1	0.3
41Kent	11,956	37.6	24.9	27.5	0.3	4.2	5.1	0.5
43DHD#10	5,339	83.4	1.4	10.7	0.3	0.4	3.5	0.4
44Lapeer	1,159	87.9	0.4	5.6	0.1	0.3	5.2	0.4
45Tuscola	1,027	92.3	0.5	4.5	0.0	0.2	2.3	0.2
46CAA	1,571	75.7	1.7	16.5	0.0	0.1	4.9	1.0
47Livingst	1,184	90.8	0.5	3.8	0.3	1.6	2.2	0.8
50Macomb	8,866	55.3	31.0	2.4	0.1	6.4	4.2	0.4
51CFHC	721	69.9	11.8	11.1	0.1	1.8	5.1	0.1
51DCS	1,291	68.9	11.2	13.7	0.0	1.3	5.0	0.0
52Marquett	875	84.8	0.6	3.8	1.1	0.5	8.6	0.7
56MMCAA	1,140	92.9	0.7	2.0	0.1	1.1	2.9	0.4
58Monroe	1,980	81.8	6.4	6.6	0.1	0.4	4.1	0.7
61Muskegon	4,551	56.6	27.5	8.5	0.3	0.4	6.4	0.3
63Oakland	10,273	46.9	34.1	12.2	0.1	2.5	3.8	0.4
73Saginaw	2,917	47.5	31.8	15.3	0.0	0.3	4.4	0.7
74St Clair	2,470	82.0	5.7	5.9	0.1	0.4	5.3	0.6
76Sanilac	683	93.7	0.1	4.4	0.0	0.0	1.5	0.3
78Shiawass	1,199	88.3	0.4	6.2	0.2	0.3	4.3	0.3
81Washtena	3,575	37.3	39.0	10.0	0.2	3.4	9.3	0.8
82Wayne	17,827	56.7	29.7	4.7	0.2	5.0	3.3	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 PNNS & PedNSS

Table 3F

2016 - 2018 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 %
89Urban L	11,119	11.7	79.7	5.3	0.1	0.7	2.3	0.2
90Detroit	18,687	8.3	73.6	15.1	0.0	1.2	1.5	0.2
Michigan	173,232	52.4	29.7	10.5	0.3	2.2	4.3	0.5

(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 PNNS & PedNSS

Table 4F

2016 - 2018 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	1,280	0.0	3.4	8.3	67.3	20.3	0.7	0.0
02LMAS	538	0.2	3.3	6.5	66.2	23.2	0.4	0.2
04DHD#4	1,187	0.1	2.4	8.4	66.4	21.5	1.3	0.0
05NWMCHA	1,881	0.1	1.8	9.5	64.2	23.5	1.0	0.0
06CMDHD	3,405	0.1	3.2	9.6	65.2	20.7	1.1	0.1
07West UP	932	0.0	2.7	7.9	61.2	25.9	2.3	0.1
08Barry	1,749	0.2	2.5	9.5	64.3	22.2	1.0	0.3
09Bay	1,821	0.1	2.9	8.9	64.5	22.3	1.3	0.0
10Gr Trav	1,454	0.0	3.0	7.2	62.0	25.7	1.9	0.3
11Berrien	2,857	0.3	4.2	9.7	63.2	20.9	1.3	0.4
12BHS	3,450	0.1	3.4	10.1	64.7	20.1	1.5	0.0
13Calhoun	3,157	0.1	3.3	9.1	64.2	21.7	1.5	0.2
14Leelanau	431	0.0	2.1	7.9	62.9	24.8	1.6	0.7
15Inter-car	8,067	0.1	3.3	8.2	62.2	24.3	1.8	0.0
17Chippewa	712	0.1	1.7	7.6	63.8	25.4	1.4	0.0
19Mid-Mich	2,398	0.1	2.5	10.0	65.9	19.9	1.5	0.0
21Delta	961	0.0	3.1	9.3	60.7	25.7	1.2	0.0
22Iron	674	0.0	2.8	9.2	61.4	24.8	1.6	0.1
25Genesee	8,730	0.3	2.6	8.9	66.0	21.0	1.2	0.0
30HDI	1,633	0.4	4.2	9.8	63.8	20.1	1.6	0.1
32Huron	502	0.0	2.4	9.4	62.2	25.1	0.8	0.2
33Ingham	5,498	0.3	3.3	7.7	61.6	25.3	1.8	0.1
35Keweenaw	158	0.0	3.8	8.2	62.7	24.7	0.6	0.0
37Ionia	1,142	0.1	3.3	8.9	69.2	17.8	0.7	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 PNNS & PedNSS

Table 4F

2016 - 2018 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	3,304	0.2	3.5	9.1	66.9	19.3	0.8	0.2
39Kalamazo	2,934	0.0	3.1	9.7	63.0	22.2	1.8	0.1
40Kal Fam	1,775	0.4	5.2	10.1	61.7	21.1	1.4	0.0
41Kent	11,956	0.2	3.1	7.7	60.2	26.3	2.0	0.6
43DHD#10	5,339	0.1	3.4	8.9	66.7	19.6	1.2	0.0
44Lapeer	1,159	0.2	2.9	8.4	65.3	21.8	1.3	0.1
45Tuscola	1,027	0.2	3.1	8.7	65.2	21.3	1.4	0.1
46CAA	1,571	0.0	3.2	10.2	63.7	21.8	1.1	0.0
47Livingst	1,184	0.0	1.6	6.1	62.1	28.7	1.5	0.0
50Macomb	8,866	0.0	1.6	5.0	62.1	29.0	2.3	0.0
51CFHC	721	0.3	1.0	5.7	61.9	28.0	3.2	0.0
51DCS	1,291	0.1	0.8	5.5	61.8	29.4	2.5	0.0
52Marquett	875	0.1	3.9	6.7	60.5	27.8	1.0	0.0
56MMCAA	1,140	0.0	2.0	7.4	66.8	22.4	1.4	0.1
58Monroe	1,980	0.1	3.4	10.2	63.0	22.1	1.3	0.1
61Muskegon	4,551	0.2	3.7	9.1	65.3	20.3	1.4	0.0
63Oakland	10,273	0.1	2.1	6.5	60.2	28.8	2.3	0.0
73Saginaw	2,917	0.2	3.1	8.3	65.6	21.5	1.4	0.0
74St Clair	2,470	0.2	3.3	8.6	64.5	22.0	1.4	0.0
76Sanilac	683	0.0	5.0	8.6	61.3	24.2	0.9	0.0
78Shiawass	1,199	0.3	2.8	10.1	69.0	16.9	1.0	0.0
81Washtena	3,575	0.1	2.7	6.2	60.5	27.8	2.6	0.1
82Wayne	17,827	0.1	2.0	5.4	61.5	28.1	2.6	0.3
89Urban L	11,119	0.1	2.8	7.7	63.6	23.6	2.1	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 PNNS & PedNSS

Table 4F

2016 - 2018 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 %
90Detroit	18,687	0.1	2.9	7.3	62.0	25.1	2.5	0.0
Michigan	173,232	0.1	2.8	7.8	63.0	24.3	1.9	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 PNNS & PedNSS

Table 5F

2016 - 2018 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)				
01DHD#2	1,068	3.9 (14)	60.7 (43)	591	18.1 (21)	50.6 (15)	170	47.1 (23)	265	35.8 (27)	1,200	6.5 (19)	1,200	9.2 (8)
02LMAS	462	3.5 (6)	60.2 (41)	257	19.1 (26)	52.1 (22)	50	*	119	23.5 (10)	505	8.5 (43)	505	13.1 (41)
04DHD#4	1,099	4.4 (31)	57.8 (21)	833	19.8 (32)	50.9 (17)	187	40.1 (17)	225	31.1 (18)	1,113	5.7 (5)	1,113	8.0 (3)
05NWMCHA	1,416	4.5 (33)	54.1 (8)	724	20.3 (39)	51.7 (20)	272	32.7 (8)	295	30.2 (17)	1,764	6.1 (11)	1,768	8.2 (4)
06CMDHD	2,996	4.3 (29)	60.0 (39)	1,975	17.1 (16)	53.5 (40)	466	35.0 (10)	610	26.6 (14)	3,178	6.7 (21)	3,180	9.9 (14)
07West UP	671	4.0 (18)	51.7 (1)	307	15.6 (8)	50.2 (11)	127	15.7 (1)	240	17.9 (3)	842	6.7 (21)	843	10.9 (21)
08Barry	1,159	5.2 (43)	57.5 (19)	600	15.3 (5)	54.8 (44)	266	36.8 (12)	375	20.5 (5)	1,607	8.5 (43)	1,610	14.6 (47)
09Bay	1,509	4.2 (25)	59.0 (32)	1,129	19.4 (28)	50.9 (17)	259	37.8 (13)	236	23.3 (9)	1,703	7.6 (29)	1,703	10.1 (17)
10Gr Trav	1,312	4.6 (34)	51.8 (2)	1,033	16.9 (12)	52.5 (28)	208	60.6 (41)	209	45.5 (45)	1,381	6.9 (25)	1,383	9.5 (10)
11Berrien	2,443	3.8 (10)	59.6 (34)	1,748	17.6 (18)	55.2 (47)	457	47.5 (24)	503	35.8 (27)	2,575	6.3 (16)	2,575	11.4 (27)
12BHS	2,772	4.9 (37)	60.2 (41)	1,673	17.0 (15)	53.5 (40)	471	28.9 (6)	575	25.6 (11)	3,144	6.3 (16)	3,147	9.8 (13)
13Calhoun	2,572	3.4 (5)	58.5 (26)	1,442	19.9 (35)	52.8 (32)	434	52.1 (37)	570	36.8 (33)	2,888	6.8 (23)	2,886	8.8 (6)
14Leelanau	400	3.0 (2)	58.0 (24)	302	19.5 (30)	53.0 (34)	57	*	59	*	396	6.1 (11)	396	7.1 (2)
15Intercar	6,598	3.9 (14)	59.7 (35)	3,792	22.8 (45)	46.0 (3)	1,027	48.4 (30)	1,562	36.4 (31)	7,258	7.7 (31)	7,263	10.3 (18)
17Chippewa	509	2.9 (1)	62.3 (46)	160	20.0 (37)	53.1 (36)	87	*	103	31.1 (18)	647	8.0 (37)	646	12.2 (34)
19Mid-Mich	2,198	5.3 (44)	58.2 (25)	1,667	19.4 (28)	52.6 (30)	338	23.4 (4)	584	18.7 (4)	2,232	7.7 (31)	2,237	13.1 (41)
21Delta	648	3.7 (8)	52.8 (5)	332	20.2 (38)	47.6 (5)	115	20.0 (2)	194	31.4 (21)	843	11.5 (49)	843	11.0 (23)

(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).

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WIC PNNS & PedNSS

Table 5F

2016 - 2018 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	536	4.1 (22)	53.0 (6)	201	11.9 (1)	49.3 (9)	78	*	130	22.3 (8)	597	4.0 (1)	597	13.4 (44)
25Genesee	7,189	5.0 (39)	57.0 (15)	3,296	17.7 (19)	52.4 (26)	1,542	49.8 (34)	1,392	34.3 (25)	8,158	7.7 (31)	8,160	15.0 (49)
30HDI	1,524	3.1 (3)	64.8 (48)	1,150	25.8 (48)	43.7 (1)	264	47.7 (26)	961	46.3 (46)	1,499	5.1 (3)	1,498	9.9 (14)
32Huron	412	3.9 (14)	65.3 (49)	334	16.2 (9)	53.3 (39)	50	*	115	26.1 (13)	474	9.7 (45)	472	14.6 (47)
33Ingham	4,703	5.0 (39)	58.7 (27)	3,614	18.1 (21)	52.9 (33)	897	42.9 (19)	955	31.3 (20)	5,123	6.0 (8)	5,125	9.6 (11)
35Keweenaw	137	3.6 (7)	55.5 (10)	76	*	*	16	*	44	*	144	9.7 (45)	144	8.3 (5)
37Ionia	824	5.0 (39)	57.4 (18)	594	14.6 (2)	54.5 (43)	183	21.9 (3)	266	14.7 (1)	1,045	5.9 (6)	1,043	14.1 (46)
38Jackson	2,450	5.9 (47)	59.4 (33)	1,364	16.5 (10)	52.5 (28)	484	49.6 (33)	610	42.8 (43)	3,041	5.9 (6)	3,041	10.9 (21)
39Kalamazo	2,347	3.9 (14)	58.9 (31)	1,390	16.9 (12)	55.1 (46)	424	48.1 (28)	705	39.4 (41)	2,679	8.1 (39)	2,681	9.4 (9)
40Kal Fam	1,541	4.1 (22)	59.8 (37)	864	19.8 (32)	53.0 (34)	188	48.4 (30)	304	38.2 (40)	1,601	7.7 (31)	1,602	9.6 (11)
41Kent	8,745	4.1 (22)	57.5 (19)	4,399	24.9 (47)	44.7 (2)	1,899	44.0 (21)	3,397	38.0 (39)	11,063	7.1 (26)	11,075	11.7 (31)
43DHD#10	4,770	4.0 (18)	59.7 (35)	3,285	20.3 (39)	51.2 (19)	747	39.0 (14)	1,102	29.7 (15)	4,972	6.3 (16)	4,977	11.4 (27)
44Lapeer	1,137	4.9 (37)	55.5 (10)	972	15.1 (3)	55.5 (48)	193	39.4 (15)	317	32.2 (23)	1,085	4.9 (2)	1,085	6.6 (1)
45Tuscola	786	6.7 (49)	54.5 (9)	573	16.9 (12)	53.8 (42)	136	27.9 (5)	176	21.6 (6)	981	8.1 (39)	981	11.0 (23)
46CAA	1,300	3.8 (10)	57.1 (16)	477	24.7 (46)	47.6 (5)	292	42.8 (18)	349	33.0 (24)	1,431	7.3 (27)	1,433	12.9 (40)
47Livingst	1,095	5.6 (46)	52.5 (4)	742	15.1 (3)	53.1 (36)	205	30.2 (7)	388	17.3 (2)	1,085	10.2 (47)	1,088	12.6 (37)
50Macomb	7,959	4.3 (29)	58.8 (28)	6,456	18.9 (24)	52.1 (22)	1,599	47.6 (25)	2,113	37.5 (35)	8,224	8.0 (37)	8,225	10.4 (20)

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WIC PNNS & PedNSS

Table 5F

2016 - 2018 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)
51CFHC	660	4.2 (25)	52.3 (3)	538	17.5 (17)	52.6 (30)	133	51.1 (35)	173	42.2 (42)	661	8.2 (42)	664	11.6 (30)
51DCS	1,188	4.8 (36)	58.8 (28)	928	15.5 (7)	50.6 (15)	241	45.2 (22)	289	36.0 (29)	1,201	10.2 (47)	1,201	12.2 (34)
52Marquett	774	3.7 (8)	53.5 (7)	569	19.9 (35)	47.3 (4)	114	35.1 (11)	240	22.1 (7)	774	6.2 (15)	776	12.8 (39)
56MMCAA	982	3.3 (4)	57.9 (22)	447	22.6 (44)	50.3 (12)	159	34.6 (9)	376	31.9 (22)	1,078	5.5 (4)	1,079	11.3 (26)
58Monroe	1,463	4.4 (31)	55.9 (13)	780	22.3 (43)	48.3 (7)	336	48.5 (32)	409	35.5 (26)	1,814	7.4 (28)	1,814	12.4 (36)
61Muskegon	4,254	4.2 (25)	59.9 (38)	3,205	20.7 (42)	49.8 (10)	582	43.6 (20)	462	30.1 (16)	4,204	8.1 (39)	4,208	13.2 (43)
63Oakland	9,071	4.0 (18)	57.9 (22)	6,216	18.4 (23)	51.7 (20)	1,944	47.7 (26)	2,401	37.0 (34)	9,571	6.0 (8)	9,569	10.0 (16)
73Saginaw	2,323	4.2 (25)	61.2 (44)	1,648	20.4 (41)	50.4 (13)	466	57.9 (40)	456	36.4 (31)	2,709	6.5 (19)	2,708	11.9 (32)
74St Clair	2,330	5.5 (45)	55.7 (12)	1,939	16.7 (11)	54.8 (44)	356	51.4 (36)	495	36.0 (29)	2,226	6.8 (23)	2,236	12.1 (33)
76Sanilac	360	6.4 (48)	57.2 (17)	124	15.3 (5)	53.2 (38)	97	*	131	26.0 (12)	622	6.1 (11)	623	11.1 (25)
78Shiawass	1,151	5.1 (42)	60.1 (40)	957	19.2 (27)	50.4 (13)	184	39.7 (16)	224	37.5 (35)	1,128	7.9 (36)	1,128	10.3 (18)
81Washtena	3,263	4.0 (18)	58.8 (28)	2,088	19.8 (32)	49.1 (8)	632	52.7 (38)	953	37.9 (37)	3,224	7.7 (31)	3,226	12.7 (38)
82Wayne	13,092	4.7 (35)	56.2 (14)	7,925	18.0 (20)	52.4 (26)	3,506	48.2 (29)	4,861	37.9 (37)	16,637	7.6 (29)	16,640	8.8 (6)
89Urban L	9,383	3.8 (10)	62.0 (45)	6,211	18.9 (24)	52.2 (24)	2,005	67.6 (42)	1,562	55.1 (47)	10,415	6.0 (8)	10,420	13.8 (45)
90Detroit	15,705	3.8 (10)	62.5 (47)	11,549	19.6 (31)	52.2 (24)	3,204	56.1 (39)	2,343	45.1 (44)	17,706	6.1 (11)	17,710	11.5 (29)
Michigan	143,426	4.3	58.8	93,551	19.2	51.4	28,148	47.8	35,457	36.4	160,515	7.0	160,593	11.2

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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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WIC PNNS & PedNSS

Table 6F

2016 - 2018 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	1,193	82.9 (26)	10.0 (31)	1,259	36.9 (23)	1,139	21.5 (25)	1,033	90.8 (13)
02LMAS	507	78.5 (37)	15.0 (42)	528	50.0 (2)	454	26.2 (13)	440	87.3 (32)
04DHD#4	1,109	84.6 (22)	8.6 (24)	1,169	37.7 (20)	1,074	25.1 (16)	960	91.1 (12)
05NWMCHA	1,775	88.0 (11)	6.9 (16)	1,858	35.7 (26)	1,714	28.7 (12)	1,458	88.7 (25)
06CMDHD	3,171	79.7 (36)	13.1 (37)	3,369	42.2 (7)	2,991	24.4 (17)	2,810	89.0 (24)
07West UP	841	84.5 (23)	10.7 (32)	911	36.0 (24)	844	42.9 (3)	746	91.2 (11)
08Barry	1,594	91.2 (1)	3.4 (4)	1,731	32.0 (35)	1,494	21.1 (26)	1,341	93.5 (3)
09Bay	1,665	74.3 (46)	19.6 (48)	1,802	44.0 (5)	1,672	17.6 (33)	1,529	83.8 (43)
10Gr Trav	1,377	73.1 (47)	18.1 (46)	1,432	30.4 (37)	1,283	23.9 (18)	1,000	88.2 (27)
11Berrien	2,532	74.9 (43)	11.1 (33)	2,820	30.8 (36)	2,340	14.7 (43)	2,135	89.2 (20)
12BHS	2,937	75.9 (41)	14.7 (41)	3,379	39.1 (15)	3,039	19.8 (29)	2,776	84.8 (40)
13Calhoun	2,810	89.7 (5)	4.2 (8)	3,119	37.6 (21)	2,107	16.8 (38)	2,457	80.6 (45)
14Leelanau	391	75.7 (42)	16.1 (44)	422	32.9 (31)	261	32.2 (8)	305	82.3 (44)
15InterCar	7,097	87.4 (14)	7.1 (18)	7,946	38.0 (19)	5,708	25.8 (14)	6,074	80.6 (45)
17Chippewa	650	87.8 (12)	9.7 (29)	686	48.5 (3)	617	56.4 (1)	599	86.1 (36)
19Mid-Mich	2,221	84.9 (21)	8.9 (25)	2,355	37.1 (22)	2,068	23.2 (22)	1,859	90.2 (15)
21Delta	840	89.2 (7)	5.1 (11)	941	43.4 (6)	840	23.9 (18)	770	89.2 (20)
22Iron	608	85.9 (19)	11.7 (34)	663	47.4 (4)	600	36.8 (4)	566	89.2 (20)
25Genesee	8,067	86.2 (18)	3.3 (3)	8,565	25.0 (45)	6,429	11.2 (47)	6,236	89.1 (23)
30HDI	1,500	77.2 (39)	7.2 (20)	1,623	38.1 (18)	1,447	8.7 (49)	1,366	78.8 (48)
32Huron	469	81.0 (33)	13.6 (39)	499	41.7 (8)	425	35.3 (6)	380	87.9 (29)

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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.

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WIC PNNS & PedNSS

Table 6F

2016 - 2018 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	5,075	82.5 (28)	9.1 (26)	5,434	29.5 (39)	4,753	10.1 (48)	4,139	90.2 (15)
35Keweenaw	145	89.7 (5)	0.7 (1)	155	40.6 (10)	135	23.7 (20)	132	95.5 (2)
37Ionia	1,039	86.6 (16)	6.9 (16)	1,129	35.9 (25)	1,032	19.9 (28)	894	93.1 (5)
38Jackson	3,009	85.8 (20)	7.5 (21)	3,254	40.7 (9)	2,899	14.9 (42)	2,710	85.4 (38)
39Kalamazo	2,650	81.1 (32)	9.5 (28)	2,891	32.9 (31)	2,568	16.3 (40)	2,184	84.2 (41)
40Kal Fam	1,593	74.6 (44)	17.2 (45)	1,744	50.5 (1)	1,666	16.1 (41)	1,604	77.7 (49)
41Kent	10,988	82.4 (30)	7.5 (21)	11,802	29.3 (40)	9,654	20.4 (27)	9,315	90.1 (17)
43DHD#10	4,939	80.1 (35)	13.3 (38)	5,240	40.4 (11)	3,916	28.8 (11)	4,286	87.9 (29)
44Lapeer	1,084	82.1 (31)	12.7 (36)	1,139	32.2 (33)	1,053	18.1 (31)	887	91.9 (8)
45Tuscola	973	71.4 (48)	19.3 (47)	1,014	38.8 (16)	917	25.5 (15)	792	91.5 (10)
46CAA	1,422	86.3 (17)	6.3 (15)	1,546	29.7 (38)	1,367	21.8 (24)	1,173	88.5 (26)
47Livingst	1,086	90.7 (2)	3.9 (7)	1,169	23.4 (48)	909	34.2 (7)	793	91.6 (9)
50Macomb	8,127	87.6 (13)	4.9 (10)	8,697	26.1 (41)	5,652	19.7 (30)	6,529	89.9 (18)
51CFHC	658	89.1 (8)	5.5 (12)	702	25.4 (43)	524	29.2 (10)	520	92.7 (6)
51DCS	1,185	90.0 (4)	4.6 (9)	1,276	25.2 (44)	995	23.3 (21)	934	93.4 (4)
52Marquett	770	88.4 (10)	5.8 (14)	857	39.2 (14)	621	36.6 (5)	686	92.6 (7)
56MMCAA	1,075	84.2 (24)	12.1 (35)	1,121	33.6 (29)	1,036	31.5 (9)	887	96.4 (1)
58Monroe	1,807	82.8 (27)	9.7 (29)	1,953	33.1 (30)	1,772	17.3 (34)	1,519	86.8 (33)
61Muskegon	4,148	83.3 (25)	8.4 (23)	4,440	39.3 (13)	3,932	16.9 (36)	3,586	79.3 (47)
63Oakland	9,503	87.1 (15)	5.5 (12)	10,133	26.0 (42)	7,422	17.7 (32)	7,607	89.4 (19)
73Saginaw	2,660	74.5 (45)	13.9 (40)	2,884	34.2 (28)	2,380	14.5 (44)	2,239	86.0 (37)

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	1st Trimester		No Care	1st Trimester		Prepregnancy ⁽⁴⁾		During Pregnancy ⁽⁵⁾	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
74St Clair	2,234	66.3 (49)	24.9 (49)	2,449	39.6 (12)	2,124	16.9 (36)	2,015	86.4 (35)
76Sanilac	610	82.5 (28)	9.3 (27)	672	35.1 (27)	448	43.1 (2)	531	84.2 (41)
78Shiawass	1,106	76.9 (40)	15.6 (43)	1,187	38.6 (17)	1,086	14.1 (45)	956	87.7 (31)
81Washtena	3,218	90.4 (3)	3.1 (2)	3,527	32.2 (33)	3,239	17.1 (35)	2,796	90.7 (14)
82Wayne	16,483	88.8 (9)	3.8 (6)	17,577	23.9 (47)	13,333	22.7 (23)	12,990	88.2 (27)
89Urban L	10,325	80.9 (34)	3.5 (5)	10,867	22.4 (49)	7,128	16.4 (39)	7,992	86.6 (34)
90Detroit	17,475	77.9 (38)	7.1 (18)	18,373	24.7 (46)	12,376	12.7 (46)	13,574	85.2 (39)
Michigan	158,822	83.2	7.7	170,497	30.9	133,582	19.4	131,162	87.3

(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) 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 PNNS & PedNSS

Table 7F

2016 - 2018 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	1,157	48.9 (47)	1,203	32.9 (47)	482	28.8 (40)	1,033	20.3 (47)	1,203	5.1 (45)
02LMAS	478	50.4 (48)	506	34.4 (48)	211	25.1 (46)	440	18.6 (46)	506	3.6 (35)
04DHD#4	1,078	47.7 (46)	1,113	27.2 (44)	434	38.7 (19)	960	21.3 (48)	1,114	4.4 (41)
05NWMCHA	1,719	41.7 (39)	1,769	24.9 (37)	587	34.1 (28)	1,458	15.7 (40)	1,770	4.8 (44)
06CMDHD	3,116	44.0 (43)	3,178	26.7 (42)	1,166	31.3 (36)	2,808	18.5 (45)	3,179	4.5 (42)
07West UP	848	37.6 (29)	842	25.2 (38)	260	21.9 (47)	744	10.9 (21)	843	2.6 (22)
08Barry	1,569	36.1 (25)	1,613	21.9 (27)	454	33.5 (30)	1,339	8.9 (14)	1,613	1.7 (6)
09Bay	1,673	44.0 (43)	1,704	25.5 (40)	661	34.5 (25)	1,529	12.9 (26)	1,705	3.3 (32)
10Gr Trav	1,286	35.9 (23)	1,385	21.9 (27)	375	34.7 (24)	1,000	8.6 (11)	1,385	3.2 (29)
11Berrien	2,447	30.0 (14)	2,578	14.5 (12)	576	42.4 (13)	2,134	12.5 (25)	2,580	3.1 (28)
12BHS	3,111	37.0 (28)	3,147	22.8 (30)	936	28.6 (41)	2,776	14.5 (33)	3,150	4.1 (40)
13Calhoun	2,762	33.7 (19)	2,878	18.7 (21)	813	29.8 (38)	2,467	11.2 (22)	2,889	3.0 (27)
14Leelanau	376	41.5 (38)	395	24.6 (36)	132	40.2 (16)	306	13.7 (29)	396	4.5 (42)
15InterCar	7,011	25.4 (10)	7,254	13.4 (10)	1,593	36.2 (22)	6,120	6.5 (5)	7,262	1.9 (9)
17Chippewa	661	42.2 (41)	646	32.0 (46)	236	17.4 (48)	603	28.2 (49)	644	18.0 (49)
19Mid-Mich	2,168	41.1 (37)	2,238	23.2 (31)	738	40.2 (16)	1,860	13.0 (27)	2,240	2.9 (26)
21Delta	866	46.1 (45)	845	28.5 (45)	304	28.0 (43)	770	13.8 (30)	845	2.2 (15)
22Iron	634	42.7 (42)	599	26.9 (43)	219	29.2 (39)	565	9.6 (16)	601	2.0 (13)
25Genesee	7,415	29.7 (13)	8,183	15.9 (14)	1,894	37.9 (20)	6,239	10.6 (20)	8,192	2.4 (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) Among women who smoked 3 months prior to pregnancy.

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

WIC PNNS & PedNSS

Table 7F

2016 - 2018 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
30HDI	1,452	31.4 (16)	1,500	16.2 (15)	391	41.7 (14)	1,366	9.2 (15)	1,499	2.4 (17)
32Huron	467	34.0 (20)	474	20.0 (22)	139	44.6 (8)	382	16.2 (42)	474	3.6 (35)
33Ingham	4,901	21.1 (6)	5,125	12.7 (9)	832	33.4 (31)	4,141	7.8 (7)	5,129	3.9 (37)
35Keweenaw	137	63.5 (49)	143	49.0 (49)	75	*	132	15.9 (41)	145	0.7 (1)
37Ionia	1,035	41.7 (39)	1,049	23.5 (34)	353	33.1 (32)	893	14.1 (32)	1,049	2.8 (25)
38Jackson	2,993	40.3 (36)	3,043	25.8 (41)	1,033	28.1 (42)	2,710	15.0 (37)	3,043	3.2 (29)
39Kalamazo	2,573	28.9 (11)	2,680	16.3 (16)	586	37.2 (21)	2,185	10.1 (18)	2,682	1.9 (9)
40Kal Fam	1,683	32.9 (18)	1,601	17.4 (18)	463	30.5 (37)	1,605	11.7 (24)	1,602	2.2 (15)
41Kent	10,714	20.0 (4)	11,096	9.7 (5)	1,711	44.1 (12)	9,311	6.3 (4)	11,099	1.9 (9)
43DHD#10	4,791	39.0 (31)	4,987	23.3 (32)	1,601	32.4 (33)	4,285	14.6 (34)	4,988	3.2 (29)
44Lapeer	1,056	34.9 (21)	1,084	16.3 (16)	289	40.5 (15)	887	3.7 (1)	1,083	0.9 (2)
45Tuscola	925	39.9 (34)	981	22.0 (29)	316	34.5 (25)	792	14.8 (36)	982	3.9 (37)
46CAA	1,376	36.4 (26)	1,441	18.0 (20)	394	44.2 (11)	1,174	9.9 (17)	1,442	3.3 (32)
47Livingst	1,061	35.9 (23)	1,085	17.5 (19)	269	47.6 (4)	798	8.8 (13)	1,088	2.5 (20)
50Macomb	7,917	20.9 (5)	8,231	10.2 (6)	1,295	44.6 (8)	6,560	7.5 (6)	8,233	1.7 (6)
51CFHC	643	29.2 (12)	665	14.6 (13)	153	44.4 (10)	521	8.6 (11)	669	2.7 (24)
51DCS	1,142	24.3 (8)	1,199	11.2 (8)	225	44.9 (7)	938	4.9 (2)	1,200	1.9 (9)
52Marquett	790	39.9 (34)	775	25.2 (38)	272	35.3 (23)	687	10.2 (19)	777	1.5 (4)
56MMCAA	1,036	31.3 (15)	1,079	20.9 (24)	274	26.6 (45)	886	7.9 (8)	1,079	1.5 (4)

(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 PNNS & PedNSS

Table 7F

2016 - 2018 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)
58Monroe	1,785	38.1 (30)	1,816	23.3 (32)	533	33.8 (29)	1,520	14.7 (35)	1,817	3.5 (34)
61Muskegon	4,020	32.4 (17)	4,193	21.1 (25)	1,112	27.4 (44)	3,586	13.6 (28)	4,214	5.6 (47)
63Oakland	9,340	15.3 (1)	9,577	8.2 (3)	1,081	40.2 (16)	7,615	5.2 (3)	9,578	1.2 (3)
73Saginaw	2,570	36.5 (27)	2,710	14.4 (11)	791	50.8 (3)	2,243	13.9 (31)	2,715	2.5 (20)
74St Clair	2,223	39.2 (33)	2,240	24.1 (35)	720	31.4 (35)	2,016	17.3 (43)	2,240	4.0 (39)
76Sanilac	600	35.0 (22)	620	20.6 (23)	187	34.2 (27)	542	11.6 (23)	622	2.6 (22)
78Shiawass	1,081	39.0 (31)	1,122	21.7 (26)	374	32.4 (33)	955	18.1 (44)	1,128	2.4 (17)
81Washtena	3,245	25.1 (9)	3,235	11.1 (7)	618	45.1 (5)	2,794	8.2 (9)	3,233	1.8 (8)
82Wayne	15,909	17.7 (2)	16,636	8.7 (4)	2,172	45.0 (6)	13,009	8.4 (10)	16,642	2.1 (14)
89Urban L	9,469	21.6 (7)	10,418	7.5 (2)	1,685	60.7 (1)	7,988	15.0 (37)	10,420	5.7 (48)
90Detroit	15,935	18.7 (3)	17,729	6.5 (1)	2,489	57.1 (2)	13,583	15.5 (39)	17,725	5.4 (46)
Michigan	153,367	27.3	160,682	14.4	34,505	39.2	131,305	11.2	160,776	3.2

(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 PNNS & PedNSS

Table 8F

2016 - 2018 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	1,142	7.0 (7)	9.3 (34)	1,153	8.9 (3)	1,030	3.5 (23)	1,141	67.5 (37)
02LMAS	471	8.5 (28)	11.0 (46)	478	10.3 (17)	419	4.8 (45)	470	74.5 (24)
04DHD#4	1,048	8.4 (26)	10.2 (42)	1,067	9.6 (9)	938	4.1 (32)	1,046	70.4 (34)
05NWMCHA	1,517	7.8 (17)	9.5 (35)	1,698	7.9 (1)	1,382	4.0 (28)	1,648	81.1 (8)
06CMDHD	2,954	7.7 (15)	8.7 (28)	3,052	9.3 (6)	2,670	4.0 (28)	2,953	75.1 (20)
07West UP	777	7.2 (10)	9.0 (32)	803	10.8 (23)	675	2.5 (4)	779	81.9 (4)
08Barry	1,511	8.8 (31)	8.1 (23)	1,594	10.7 (21)	1,346	3.2 (16)	1,561	81.2 (7)
09Bay	1,613	6.9 (4)	10.2 (42)	1,644	9.3 (6)	1,457	2.7 (7)	1,613	67.2 (38)
10Gr Trav	1,314	8.4 (26)	10.9 (45)	1,342	9.2 (5)	1,185	3.2 (16)	1,313	86.2 (1)
11Berrien	2,430	8.1 (21)	7.8 (20)	2,513	10.0 (11)	2,176	4.0 (28)	2,434	71.2 (33)
12BHS	2,928	6.5 (3)	8.0 (21)	3,011	10.1 (14)	2,599	2.3 (3)	2,945	81.0 (9)
13Calhoun	2,743	9.2 (33)	7.7 (19)	2,801	10.5 (18)	2,441	4.2 (34)	2,749	72.0 (29)
14Leelanau	365	7.7 (15)	10.1 (40)	375	9.6 (9)	323	2.8 (8)	362	85.1 (2)
15Intercar	6,816	8.3 (25)	10.0 (39)	6,994	11.8 (34)	5,948	3.1 (14)	6,887	77.0 (15)
17Chippewa	614	7.0 (7)	11.6 (48)	612	11.6 (33)	523	1.9 (1)	615	71.4 (31)
19Mid-Mich	2,131	7.4 (11)	8.1 (23)	2,157	10.2 (15)	1,895	3.1 (14)	2,134	83.3 (3)
21Delta	791	8.7 (30)	9.7 (36)	807	10.5 (18)	705	4.0 (28)	779	71.4 (31)
22Iron	560	7.5 (13)	8.6 (27)	569	10.2 (15)	496	3.4 (21)	559	76.7 (17)
25Genesee	7,950	11.7 (46)	5.3 (3)	8,005	13.8 (45)	6,768	5.4 (47)	7,962	58.6 (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) <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 PNNS & PedNSS

Table 8F

2016 - 2018 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	1,412	12.4 (47)	5.5 (5)	1,436	14.3 (46)	1,207	4.7 (40)	1,413	60.7 (43)
32Huron	452	6.9 (4)	12.6 (49)	460	10.0 (11)	408	2.9 (10)	452	75.0 (21)
33Ingham	4,838	9.9 (38)	6.8 (12)	5,000	12.5 (38)	4,223	4.5 (37)	4,878	78.9 (12)
35Keweenaw	131	4.6 (1)	11.5 (47)	143	9.1 (4)	117	2.6 (6)	130	80.8 (10)
37Ionia	1,010	8.6 (29)	7.1 (16)	1,022	12.6 (39)	879	2.8 (8)	1,011	80.6 (11)
38Jackson	2,880	9.0 (32)	7.4 (17)	2,934	12.6 (39)	2,492	3.3 (19)	2,879	74.3 (25)
39Kalamazo	2,512	9.3 (34)	9.9 (37)	2,584	12.3 (37)	2,191	3.5 (23)	2,530	74.9 (22)
40Kal Fam	1,494	9.6 (35)	6.4 (9)	1,534	11.5 (31)	1,303	4.5 (37)	1,503	66.9 (39)
41Kent	10,511	10.2 (39)	7.4 (17)	10,803	13.2 (43)	9,077	4.1 (32)	10,551	75.4 (19)
43DHD#10	4,672	8.0 (20)	8.3 (25)	4,752	11.1 (26)	4,095	3.5 (23)	4,664	78.2 (14)
44Lapeer	1,038	7.5 (13)	9.2 (33)	1,045	10.0 (11)	920	3.2 (16)	1,037	76.8 (16)
45Tuscola	930	7.4 (11)	10.6 (44)	953	10.8 (23)	821	2.9 (10)	929	73.4 (27)
46CAA	1,357	6.2 (2)	8.9 (31)	1,392	9.5 (8)	1,221	3.4 (21)	1,354	72.5 (28)
47Livingst	1,047	8.1 (21)	9.9 (37)	1,074	10.5 (18)	934	3.7 (27)	1,043	78.9 (12)
50Macomb	7,761	10.9 (44)	5.3 (3)	7,989	12.8 (41)	6,653	4.7 (40)	7,962	58.1 (47)
51CFHC	649	10.2 (39)	6.8 (12)	643	12.1 (35)	558	4.8 (45)	648	74.1 (26)
51DCS	1,154	7.9 (19)	6.8 (12)	1,178	11.5 (31)	1,016	3.3 (19)	1,158	71.8 (30)
52Marquett	746	9.7 (37)	8.7 (28)	757	12.2 (36)	645	4.7 (40)	746	81.6 (5)
56MMCAA	1,020	7.1 (9)	10.1 (40)	1,041	10.9 (25)	904	2.5 (4)	1,020	75.7 (18)

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

(2) Excludes records with unknown data or errors.

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

(4) <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 PNNS & PedNSS

Table 8F

2016 - 2018 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)
58Monroe	1,733	8.1 (21)	6.9 (15)	1,773	11.4 (30)	1,519	2.9 (10)	1,697	63.5 (41)
61Muskegon	3,968	10.5 (41)	5.5 (5)	4,044	14.3 (46)	3,325	4.3 (35)	3,976	65.7 (40)
63Oakland	9,101	11.2 (45)	5.9 (8)	9,332	12.9 (42)	7,867	4.6 (39)	9,174	70.1 (35)
73Saginaw	2,612	10.8 (42)	6.5 (11)	2,643	11.1 (26)	2,305	4.7 (40)	2,615	60.0 (44)
74St Clair	2,124	7.8 (17)	8.0 (21)	2,167	11.2 (29)	1,877	3.0 (13)	2,123	69.2 (36)
76Sanilac	596	6.9 (4)	8.7 (28)	610	10.7 (21)	524	2.1 (2)	596	62.9 (42)
78Shiawass	1,074	8.2 (24)	8.4 (26)	1,090	8.7 (2)	975	3.5 (23)	1,073	74.7 (23)
81Washtena	3,076	10.8 (42)	5.5 (5)	3,140	13.4 (44)	2,652	4.7 (40)	2,945	81.4 (6)
82Wayne	15,493	9.6 (35)	6.4 (9)	16,214	11.1 (26)	13,654	4.3 (35)	15,872	59.7 (45)
89Urban L	9,532	13.6 (49)	3.9 (1)	10,072	17.1 (49)	7,762	6.1 (48)	9,800	51.2 (48)
90Detroit	16,645	12.9 (48)	4.2 (2)	17,154	14.7 (48)	14,034	6.1 (48)	16,727	49.8 (49)
Michigan	151,265	10.0	6.8	155,722	12.4	131,154	4.3	152,480	57.8

(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.