

WIC PNNS & PedNSS

Table 3F

2017 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	415	91.3	0.7	3.4	0.0	0.2	4.1	0.2
02LMAS	198	80.3	0.5	0.5	3.5	0.0	15.2	0.0
04DHD#4	430	88.8	0.5	3.3	0.0	0.7	6.3	0.5
05NWMCHA	634	89.9	0.6	2.2	0.5	0.9	5.8	0.0
06CMDHD	1,135	88.3	1.7	3.3	0.9	1.5	3.9	0.4
07West UP	320	91.6	1.3	1.6	0.3	2.5	2.2	0.6
08Barry	554	89.5	3.4	4.5	0.0	0.7	1.6	0.2
09Bay	612	80.1	3.8	9.3	0.0	0.8	5.2	0.8
10Gr Trav	503	86.1	1.4	6.2	1.0	0.8	4.4	0.2
11Berrien	935	49.8	38.1	7.1	0.2	0.4	3.6	0.7
12BHS	1,124	82.3	1.9	12.5	0.0	0.3	2.5	0.6
13Calhoun	1,003	58.2	21.3	7.3	0.2	6.3	6.1	0.6
14Leelanau	141	77.3	1.4	11.3	2.8	1.4	4.3	1.4
15Interkar	2,662	61.8	3.9	27.0	0.2	2.0	3.5	1.7
17Chippewa	240	56.3	0.4	1.3	20.4	0.0	21.7	0.0
19Mid-Mich	776	88.3	0.5	9.3	0.1	0.3	1.2	0.4
21Delta	322	83.2	0.6	5.0	0.3	0.9	8.4	1.6
22Iron	217	93.5	0.0	2.3	0.9	0.0	2.3	0.9
25Genesee	2,939	47.3	40.6	4.8	0.1	0.4	6.2	0.4
30HDI	533	14.6	56.1	24.2	0.2	0.9	3.6	0.4
32Huron	174	93.7	0.0	4.0	0.0	0.0	0.6	1.7
33Ingham	1,831	42.7	27.5	14.7	0.3	6.7	7.8	0.4
35Keweenaw	61	*	*	*	*	*	*	*

(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	379	92.3	0.0	5.8	0.0	0.3	1.6	0.0
38Jackson	1,077	70.7	16.2	5.9	0.2	0.7	6.2	0.1
39Kalamazo	846	56.5	27.0	8.3	0.2	1.5	5.3	1.2
40Kal Fam	695	38.0	43.9	11.7	0.0	1.0	5.3	0.1
41Kent	3,970	37.4	25.2	26.9	0.3	4.8	5.1	0.4
43DHD#10	1,786	84.7	1.3	9.9	0.4	0.2	3.0	0.6
44Lapeer	357	89.4	0.0	5.0	0.0	0.3	4.8	0.6
45Tuscola	331	92.7	1.5	3.3	0.0	0.6	1.8	0.0
46CAA	499	76.8	1.8	14.8	0.0	0.2	5.4	0.8
47Livingst	370	88.6	0.3	3.2	0.5	2.4	2.7	2.2
50Macomb	2,917	55.1	31.6	2.4	0.0	6.4	4.0	0.4
51DCS	672	69.3	10.0	14.9	0.0	1.5	4.3	0.0
52Marquett	243	85.6	0.8	3.7	0.0	1.2	7.4	1.2
56MMCAA	407	93.9	0.5	1.7	0.2	0.7	2.5	0.5
58Monroe	655	83.2	7.0	5.2	0.2	0.3	3.2	0.9
61Muskegon	1,505	55.3	29.0	8.0	0.3	0.6	6.3	0.5
63Oakland	3,463	45.8	35.6	12.5	0.1	2.5	2.9	0.5
73Saginaw	1,009	49.0	31.5	13.8	0.0	0.5	4.5	0.8
74St Clair	799	83.2	5.1	5.3	0.0	0.6	5.1	0.6
76Sanilac	230	94.3	0.4	3.5	0.0	0.0	1.7	0.0
78Shiawass	394	86.8	0.3	7.6	0.0	0.0	4.6	0.5
81Washtena	1,201	37.1	39.3	9.5	0.1	4.2	9.5	0.4
82Wayne	5,928	57.4	29.3	4.7	0.1	4.9	3.1	0.5

(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	3,761	11.8	79.7	5.7	0.0	0.6	1.9	0.3
90Detroit	6,381	8.6	73.6	15.0	0.0	1.3	1.3	0.2
Michigan	57,669	52.1	30.4	10.4	0.3	2.3	4.0	0.5
National (Prior Year)	120,297	55.2	27.3	9.5	1.5	2.3	3.9	0.3

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Table 4F

2017 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	415	0.0	3.1	9.2	66.0	21.0	0.7	0.0
02LMAS	198	0.0	3.0	3.5	72.2	20.7	0.5	0.0
04DHD#4	430	0.0	2.3	7.7	69.1	19.3	1.6	0.0
05NWMCHA	634	0.0	2.1	9.3	62.6	24.8	1.3	0.0
06CMDHD	1,135	0.1	3.2	9.7	64.5	21.6	0.9	0.1
07West UP	320	0.0	2.5	10.3	56.9	28.4	1.9	0.0
08Barry	554	0.0	2.9	8.8	65.0	22.0	0.9	0.4
09Bay	612	0.2	2.5	7.7	66.7	21.4	1.6	0.0
10Gr Trav	503	0.0	2.8	7.2	61.8	25.8	1.8	0.6
11Berrien	935	0.2	4.7	8.6	63.2	21.4	1.6	0.3
12BHS	1,124	0.0	2.8	10.6	64.5	20.5	1.5	0.1
13Calhoun	1,003	0.1	3.4	8.5	64.5	22.0	1.5	0.0
14Leelanau	141	0.0	2.1	7.8	57.4	29.1	1.4	2.1
15InterCar	2,662	0.1	3.6	8.5	61.8	24.3	1.6	0.0
17Chippewa	240	0.0	0.4	7.1	63.3	27.5	1.7	0.0
19Mid-Mich	776	0.3	3.1	9.0	65.9	20.1	1.7	0.0
21Delta	322	0.0	2.8	11.5	61.8	23.3	0.6	0.0
22Iron	217	0.0	2.8	9.2	54.8	30.9	1.8	0.5
25Genesee	2,939	0.2	2.9	9.4	65.6	20.6	1.2	0.1
30HDI	533	0.6	4.3	10.1	64.0	19.3	1.5	0.2
32Huron	174	0.0	2.3	10.3	64.4	23.0	0.0	0.0
33Ingham	1,831	0.3	3.1	7.4	61.3	25.9	1.8	0.2
35Keweenaw	61	*	*	*	*	*	*	*
37Ionia	379	0.0	3.2	10.3	68.1	17.7	0.8	0.0

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Michigan

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Local Agency	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
38Jackson	1,077	0.2	3.5	9.3	67.3	18.4	1.1	0.2
39Kalamazo	846	0.0	3.1	9.2	63.0	22.7	1.9	0.1
40Kal Fam	695	0.3	5.0	9.4	61.3	22.2	1.9	0.0
41Kent	3,970	0.2	3.5	7.5	60.8	25.4	2.3	0.4
43DHD#10	1,786	0.0	3.4	9.4	65.9	20.2	1.1	0.1
44Lapeer	357	0.3	1.7	9.0	69.2	19.6	0.3	0.0
45Tuscola	331	0.3	2.1	8.8	64.4	21.8	2.4	0.3
46CAA	499	0.0	2.8	9.6	65.3	21.4	0.8	0.0
47Livingst	370	0.0	1.9	7.0	57.8	31.9	1.4	0.0
50Macomb	2,917	0.1	1.5	4.4	64.2	27.9	2.0	0.0
51DCS	672	0.0	0.7	6.1	61.9	28.7	2.5	0.0
52Marquett	243	0.0	4.9	5.8	56.8	31.3	1.2	0.0
56MMCAA	407	0.0	1.5	9.6	64.1	23.3	1.2	0.2
58Monroe	655	0.2	3.7	10.7	63.7	20.9	0.8	0.2
61Muskegon	1,505	0.2	3.9	8.7	65.4	20.1	1.7	0.0
63Oakland	3,463	0.1	2.3	6.4	59.3	29.8	2.3	0.0
73Saginaw	1,009	0.2	2.6	7.4	67.2	21.1	1.5	0.0
74St Clair	799	0.1	3.1	8.6	64.1	23.2	0.9	0.0
76Sanilac	230	0.0	6.1	7.8	60.9	25.2	0.0	0.0
78Shiawass	394	0.0	3.0	11.7	69.0	15.7	0.5	0.0
81Washtena	1,201	0.2	3.0	6.7	61.1	26.6	2.5	0.0
82Wayne	5,928	0.1	2.0	5.2	61.3	28.3	2.6	0.4
89Urban L	3,761	0.1	2.8	7.6	63.8	23.2	2.3	0.1
90Detroit	6,381	0.1	2.8	7.2	62.7	24.9	2.4	0.0

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2017 Pregnancy Nutrition Surveillance (1)

Michigan

Comparison of Age Distribution by Local Agency

Michigan	57,676	0.1	2.8	7.7	63.1	24.3	1.8	0.1
National (Prior Year)	120,303	0.2	3.4	9.1	63.1	22.7	1.5	0.1

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors

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Table 5F

2017 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	338	4.1 (20)	60.7 (36)	177	19.8 (25)	48.0 (6)	50	*	87	*	387	8.8 (40)	387	10.1 (14)
02LMAS	169	4.1 (20)	55.6 (8)	73	*	*	17	*	44	*	187	7.5 (29)	187	13.4 (41)
04DHD#4	401	4.5 (27)	54.4 (6)	298	18.5 (19)	55.0 (34)	69	*	91	*	404	5.4 (7)	404	7.2 (3)
05NWMCHA	472	4.7 (32)	55.9 (9)	233	24.5 (38)	49.8 (8)	89	*	98	*	601	5.2 (6)	601	8.3 (4)
06CMDHD	996	4.6 (31)	61.0 (38)	665	16.1 (6)	57.3 (40)	159	35.8 (3)	198	33.3 (8)	1,062	7.3 (25)	1,064	9.8 (13)
07West UP	197	3.0 (5)	50.8 (4)	85	*	*	36	*	72	*	285	7.0 (20)	285	10.5 (18)
08Barry	342	5.0 (38)	56.4 (12)	186	17.2 (10)	52.7 (21)	90	*	119	18.5 (3)	510	9.4 (43)	512	15.8 (47)
09Bay	491	5.1 (39)	60.3 (35)	369	22.2 (35)	52.0 (18)	79	*	88	*	576	6.9 (18)	576	10.8 (22)
10Gr Trav	463	5.4 (44)	50.1 (2)	381	16.5 (8)	52.8 (22)	77	*	68	*	485	4.5 (2)	486	10.3 (16)
11Berrien	785	3.6 (9)	60.0 (33)	583	18.0 (14)	56.4 (39)	145	48.3 (9)	172	45.9 (25)	860	5.1 (4)	860	10.9 (23)
12BHS	862	4.2 (22)	58.7 (26)	459	19.0 (24)	50.3 (11)	136	33.1 (2)	219	27.4 (4)	1,029	7.8 (35)	1,031	10.6 (20)
13Calhoun	800	2.5 (2)	60.8 (37)	449	18.0 (14)	55.0 (34)	125	48.8 (11)	181	40.3 (22)	926	7.0 (20)	922	9.0 (7)
14Leelanau	132	4.5 (27)	56.8 (14)	98	*	*	29	*	15	*	126	6.3 (11)	126	8.7 (5)
15Inter-car	2,164	3.9 (14)	59.0 (29)	1,244	23.2 (36)	45.7 (5)	333	49.5 (14)	495	38.0 (18)	2,399	7.5 (29)	2,401	10.5 (18)
17Chippewa	150	2.7 (4)	62.0 (41)	30	*	*	24	*	36	*	215	8.4 (39)	215	12.6 (35)
19Mid-Mich	699	4.3 (23)	57.8 (20)	518	20.5 (31)	51.9 (16)	114	25.4 (1)	169	16.6 (2)	718	7.8 (35)	719	13.9 (43)
21Delta	183	3.3 (6)	50.3 (3)	81	*	*	35	*	62	*	279	11.1 (46)	279	11.8 (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) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

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

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

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WIC PNNS & PedNSS

Table 5F 2017 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	154	5.2 (40)	49.4 (1)	48	*	*	27	*	43	*	186	7.0 (20)	186	12.9 (36)
25Genesee	2,409	5.5 (45)	57.0 (15)	1,291	18.6 (20)	52.8 (22)	483	49.1 (13)	474	36.7 (14)	2,769	7.5 (29)	2,764	15.3 (46)
30HDI	491	2.6 (3)	65.6 (47)	375	25.3 (39)	42.9 (2)	93	*	318	49.4 (27)	491	5.1 (4)	491	9.0 (7)
32Huron	142	4.9 (35)	63.4 (44)	108	20.4 (30)	42.6 (1)	20	*	41	*	162	10.5 (45)	162	11.7 (29)
33Ingham	1,587	4.5 (27)	59.1 (31)	1,290	18.1 (17)	51.6 (15)	331	45.0 (5)	313	36.7 (14)	1,742	7.2 (24)	1,742	9.1 (9)
35Keweenaw	57	*	*	42	*	*	5	*	19	*	58	*	58	*
37Ionia	243	5.3 (43)	62.6 (43)	168	13.7 (1)	54.2 (32)	50	*	90	*	351	6.8 (17)	351	14.0 (44)
38Jackson	797	6.5 (47)	58.7 (26)	466	20.8 (32)	53.4 (29)	161	56.5 (20)	194	46.9 (26)	996	5.8 (8)	996	11.3 (27)
39Kalamazo	641	3.9 (14)	57.6 (19)	393	18.6 (20)	52.9 (24)	108	50.0 (15)	231	37.2 (17)	768	8.9 (41)	768	9.6 (11)
40Kal Fam	593	4.7 (32)	61.4 (40)	283	17.3 (11)	53.4 (29)	92	*	98	*	628	7.6 (32)	629	11.9 (31)
41Kent	2,882	4.7 (32)	57.2 (17)	1,466	25.4 (40)	44.5 (3)	686	45.9 (6)	1,060	36.1 (13)	3,683	7.7 (34)	3,685	10.9 (23)
43DHD#10	1,593	4.0 (18)	59.3 (32)	1,047	18.9 (23)	53.2 (26)	236	40.7 (4)	379	30.3 (7)	1,675	6.9 (18)	1,675	11.9 (31)
44Lapeer	348	4.9 (35)	58.3 (24)	299	15.1 (3)	55.5 (36)	63	*	82	*	337	4.5 (2)	337	7.1 (2)
45Tuscola	243	4.9 (35)	54.3 (5)	182	15.4 (5)	53.3 (27)	31	*	57	*	319	7.8 (35)	319	9.7 (12)
46CAA	370	3.5 (8)	57.3 (18)	102	23.5 (37)	51.0 (14)	99	*	102	28.4 (5)	460	6.5 (13)	460	13.3 (40)
47Livingst	327	5.2 (40)	56.3 (11)	210	15.2 (4)	55.7 (37)	65	*	124	13.7 (1)	331	11.5 (47)	332	13.0 (38)
50Macomb	2,592	4.4 (26)	57.1 (16)	2,129	17.9 (13)	53.5 (31)	541	46.2 (7)	658	37.1 (16)	2,704	7.9 (38)	2,706	10.4 (17)

(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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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	610	5.2 (40)	59.0 (29)	465	16.8 (9)	49.9 (9)	123	51.2 (16)	152	35.5 (12)	631	9.8 (44)	630	11.0 (25)
52Marquett	210	3.8 (12)	56.2 (10)	145	18.6 (20)	45.5 (4)	29	*	59	*	214	6.5 (13)	217	6.9 (1)
56MMCAA	333	2.1 (1)	58.0 (23)	118	22.0 (34)	54.2 (32)	62	*	105	33.3 (8)	387	4.4 (1)	387	10.1 (14)
58Monroe	421	4.3 (23)	55.1 (7)	210	20.0 (27)	51.9 (16)	111	51.4 (17)	138	34.1 (10)	607	7.1 (23)	607	12.9 (36)
61Muskegon	1,416	3.7 (10)	60.0 (33)	1,072	20.1 (28)	49.9 (9)	217	47.5 (8)	145	29.7 (6)	1,396	9.0 (42)	1,398	12.0 (33)
63Oakland	3,025	3.8 (12)	58.4 (25)	2,186	18.3 (18)	52.5 (19)	655	48.4 (10)	790	35.3 (11)	3,245	6.0 (9)	3,245	11.2 (26)
73Saginaw	812	3.4 (7)	63.9 (45)	631	20.3 (29)	50.7 (12)	162	51.9 (18)	150	38.0 (18)	938	6.7 (16)	937	11.5 (28)
74St Clair	759	4.3 (23)	58.9 (28)	643	14.6 (2)	55.7 (37)	125	54.4 (19)	149	39.6 (21)	728	7.3 (25)	732	12.4 (34)
76Sanilac	107	3.7 (10)	64.5 (46)	31	*	*	32	*	44	*	212	6.6 (15)	212	13.7 (42)
78Shiawass	375	6.1 (46)	57.9 (22)	309	16.2 (7)	50.8 (13)	61	*	64	*	365	7.4 (27)	365	8.8 (6)
81Washtena	1,084	4.0 (18)	57.8 (20)	681	21.6 (33)	49.6 (7)	221	61.5 (22)	287	40.4 (23)	1,087	7.4 (27)	1,086	13.2 (39)
82Wayne	4,285	4.5 (27)	56.7 (13)	2,645	17.4 (12)	52.9 (24)	1,170	48.8 (11)	1,543	38.6 (20)	5,551	7.6 (32)	5,552	9.1 (9)
89Urban L	3,128	3.9 (14)	62.0 (41)	2,044	18.0 (14)	53.3 (27)	647	71.1 (23)	501	55.9 (28)	3,523	6.4 (12)	3,523	14.9 (45)
90Detroit	5,401	3.9 (14)	61.3 (39)	4,272	19.8 (25)	52.5 (19)	1,102	57.1 (21)	693	40.5 (24)	6,074	6.1 (10)	6,074	10.7 (21)
Michigan	47,111	4.3	58.8	31,292	19.1	51.9	9,416	49.2	11,325	36.6	53,680	7.1	53,693	11.2
National (Prior Year)	106,629	4.4	58.2	62,805	21.4	50.4	35,452	17.4	20,899	27.9	60,377	6.9	60,411	10.7

(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) 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

2017 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	387	79.6 (33)	11.6 (29)	413	37.0 (23)	371	19.9 (23)	338	89.9 (17)
02LMAS	188	78.2 (36)	17.0 (42)	193	53.9 (2)	171	21.6 (21)	164	89.0 (21)
04DHD#4	405	83.7 (24)	9.1 (25)	424	36.3 (25)	395	27.8 (11)	349	92.3 (7)
05NWMCHA	601	88.5 (6)	6.3 (12)	628	36.5 (24)	578	25.6 (13)	503	88.7 (24)
06CMDHD	1,064	80.3 (30)	13.2 (33)	1,122	43.2 (9)	1,013	23.8 (17)	945	90.1 (14)
07West UP	282	83.3 (25)	11.7 (30)	309	38.8 (15)	288	45.5 (2)	256	91.4 (11)
08Barry	511	91.2 (2)	2.3 (1)	549	26.6 (38)	480	23.3 (18)	404	94.8 (2)
09Bay	569	72.8 (46)	21.6 (46)	606	43.6 (8)	546	16.3 (32)	495	81.4 (41)
10Gr Trav	482	73.7 (44)	17.0 (42)	494	32.0 (31)	438	25.1 (15)	343	89.2 (20)
11Berrien	850	73.3 (45)	14.7 (38)	926	31.0 (32)	764	12.3 (42)	706	87.8 (27)
12BHS	958	76.6 (38)	14.8 (39)	1,101	40.8 (11)	965	19.0 (25)	894	83.7 (40)
13Calhoun	895	89.3 (4)	3.9 (5)	986	37.4 (21)	664	16.1 (35)	771	79.5 (43)
14Leelanau	125	74.4 (41)	15.2 (40)	137	27.7 (34)	80	*	97	*
15Intercar	2,326	87.4 (10)	7.7 (21)	2,616	38.4 (19)	1,861	26.3 (12)	1,998	79.5 (43)
17Chippewa	218	85.3 (20)	13.8 (35)	230	52.6 (3)	203	57.6 (1)	200	86.0 (34)
19Mid-Mich	713	85.4 (19)	8.0 (23)	757	35.1 (27)	668	22.6 (19)	593	91.9 (8)
21Delta	280	87.5 (9)	6.8 (14)	316	44.9 (6)	284	22.5 (20)	265	90.9 (12)
22Iron	187	86.1 (17)	11.8 (31)	214	46.3 (4)	196	44.4 (3)	181	89.0 (21)
25Genesee	2,738	86.7 (13)	3.1 (4)	2,874	24.1 (44)	2,183	8.9 (44)	2,068	89.7 (18)
30HDI	494	79.4 (34)	6.9 (15)	530	38.3 (20)	482	7.1 (46)	454	80.6 (42)

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

(2) Excludes records with unknown data or errors.

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

(4) 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

2017 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	159	81.8 (28)	13.8 (35)	172	45.9 (5)	142	38.7 (6)	136	85.3 (36)
33Ingham	1,720	81.9 (27)	9.8 (28)	1,807	27.6 (36)	1,618	8.6 (45)	1,376	88.3 (25)
35Keweenaw	58	*	*	61	*	52	*	51	*
37Ionia	349	86.5 (14)	7.4 (20)	374	37.4 (21)	341	18.2 (26)	291	92.8 (5)
38Jackson	985	84.7 (21)	8.2 (24)	1,062	38.6 (16)	916	14.4 (40)	882	87.2 (29)
39Kalamazo	755	79.1 (35)	9.3 (26)	827	26.2 (39)	673	17.7 (30)	516	85.1 (37)
40Kal Fam	628	74.0 (43)	17.4 (44)	688	54.9 (1)	686	16.9 (31)	692	78.3 (45)
41Kent	3,649	82.5 (26)	6.3 (12)	3,912	27.3 (37)	3,150	20.7 (22)	3,063	90.1 (14)
43DHD#10	1,660	80.1 (32)	13.5 (34)	1,757	41.7 (10)	1,295	28.6 (10)	1,414	89.0 (21)
44Lapeer	336	85.7 (18)	7.7 (21)	351	29.6 (33)	326	18.1 (27)	277	92.8 (5)
45Tuscola	317	74.1 (42)	17.4 (44)	326	40.2 (12)	301	29.9 (9)	254	91.7 (10)
46CAA	459	88.2 (8)	5.0 (8)	491	27.7 (34)	442	19.5 (24)	379	87.6 (28)
47Livingst	332	91.9 (1)	3.0 (3)	367	22.1 (47)	283	38.9 (5)	240	92.9 (4)
50Macomb	2,664	86.9 (12)	5.5 (10)	2,864	26.0 (41)	1,905	18.1 (27)	2,193	90.4 (13)
51DCS	618	89.3 (4)	5.3 (9)	664	24.5 (43)	521	25.5 (14)	491	93.9 (3)
52Marquett	215	87.4 (10)	7.0 (16)	241	44.0 (7)	174	37.4 (7)	202	90.1 (14)
56MMCAA	382	84.3 (23)	12.6 (32)	398	33.7 (28)	372	30.9 (8)	313	97.4 (1)
58Monroe	601	86.4 (15)	7.0 (16)	644	33.1 (29)	588	16.0 (36)	502	87.1 (30)
61Muskegon	1,376	84.4 (22)	7.3 (19)	1,458	38.5 (17)	1,311	15.2 (37)	1,202	78.0 (46)
63Oakland	3,237	86.3 (16)	5.5 (10)	3,424	26.2 (39)	2,544	14.8 (39)	2,552	89.3 (19)
73Saginaw	920	76.4 (39)	14.0 (37)	1,000	36.2 (26)	812	14.4 (40)	777	85.8 (35)

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

(2) Excludes records with unknown data or errors.

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

(4) 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

2017 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)
74St Clair	731	67.4 (47)	24.4 (47)	793	39.7 (13)	709	16.2 (34)	658	86.5 (32)
76Sanilac	206	81.1 (29)	9.7 (27)	226	38.5 (17)	157	40.1 (4)	175	85.1 (37)
78Shiawass	354	76.0 (40)	15.5 (41)	390	39.5 (14)	356	14.9 (38)	308	86.7 (31)
81Washtena	1,083	90.7 (3)	2.7 (2)	1,182	32.5 (30)	1,094	17.9 (29)	948	91.9 (8)
82Wayne	5,509	88.4 (7)	4.3 (7)	5,838	23.1 (45)	4,501	24.4 (16)	4,348	88.3 (25)
89Urban L	3,488	80.2 (31)	3.9 (5)	3,661	23.1 (45)	2,353	16.3 (32)	2,743	86.2 (33)
90Detroit	5,967	78.2 (36)	7.1 (18)	6,272	24.7 (42)	4,297	11.8 (43)	4,618	84.6 (39)
Michigan	53,045	83.1	7.7	56,717	30.6	44,576	19.0	43,643	87.3
National (Prior Year)	88,167	83.4	5.4	108,369	19.0	50,771	25.4	50,162	87.6

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

(2) Excludes records with unknown data or errors.

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

(4) 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

2017 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	381	50.1 (45)	390	34.6 (46)	161	28.6 (33)	338	22.8 (44)	390	6.4 (46)
02LMAS	175	55.4 (47)	187	35.3 (47)	88	*	164	18.9 (42)	187	3.7 (30)
04DHD#4	396	51.0 (46)	403	28.5 (44)	163	39.3 (12)	349	26.1 (45)	403	5.7 (43)
05NWMCHA	580	40.5 (34)	600	27.0 (41)	199	29.6 (31)	503	16.7 (41)	601	6.2 (45)
06CMDHD	1,049	45.2 (43)	1,063	26.8 (39)	409	31.5 (28)	944	20.2 (43)	1,064	4.5 (38)
07West UP	289	38.8 (28)	284	23.2 (30)	83	*	256	11.3 (19)	285	2.8 (21)
08Barry	492	36.0 (23)	515	22.9 (28)	139	33.8 (22)	404	8.7 (11)	515	2.5 (18)
09Bay	547	41.9 (39)	576	24.7 (33)	208	33.7 (23)	495	13.9 (29)	577	3.5 (28)
10Gr Trav	438	37.0 (25)	486	22.2 (26)	124	37.1 (14)	343	9.0 (13)	486	3.9 (32)
11Berrien	804	29.2 (11)	860	15.5 (13)	187	35.8 (18)	706	11.2 (17)	860	2.7 (20)
12BHS	1,003	38.8 (28)	1,032	22.1 (25)	311	31.8 (27)	894	13.6 (28)	1,033	4.3 (37)
13Calhoun	869	31.9 (17)	921	17.7 (17)	245	29.8 (30)	780	11.7 (21)	924	2.8 (21)
14Leelanau	121	40.5 (34)	125	25.6 (36)	37	*	97	*	126	4.0 (34)
15InterCar	2,306	25.0 (10)	2,399	12.5 (10)	505	36.4 (16)	2,014	7.9 (8)	2,402	2.2 (14)
17Chippewa	221	42.5 (40)	215	31.2 (45)	80	*	201	28.4 (46)	214	17.8 (47)
19Mid-Mich	699	40.1 (31)	720	22.9 (28)	230	41.7 (11)	595	11.8 (22)	720	2.4 (15)
21Delta	291	42.6 (41)	279	27.2 (42)	97	*	265	10.9 (16)	279	1.8 (7)
22Iron	209	43.1 (42)	186	26.9 (40)	64	*	180	8.3 (10)	187	2.1 (11)

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

(2) Excludes records with unknown data or errors.

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

(4) 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

2017 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)
25Genesee	2,474	29.2 (11)	2,776	16.1 (16)	629	36.2 (17)	2,070	10.3 (15)	2,780	2.8 (21)
30HDI	485	29.9 (14)	491	13.0 (11)	122	45.1 (7)	454	5.5 (4)	491	1.8 (7)
32Huron	164	32.3 (18)	162	16.0 (15)	45	*	137	16.1 (38)	162	2.5 (18)
33Ingham	1,632	18.1 (3)	1,741	12.2 (9)	239	33.9 (21)	1,377	7.3 (7)	1,742	4.2 (36)
35Keweenaw	52	*	56	*	28	*	51	*	58	*
37Ionia	342	40.1 (31)	353	23.2 (30)	114	33.3 (25)	291	14.8 (34)	353	3.7 (30)
38Jackson	966	40.7 (37)	995	26.4 (38)	339	28.9 (32)	882	16.3 (40)	994	3.0 (25)
39Kalamazo	673	31.2 (16)	769	17.8 (18)	153	36.6 (15)	516	12.2 (24)	769	2.1 (11)
40Kal Fam	693	35.8 (22)	628	18.9 (21)	221	33.0 (26)	693	11.8 (22)	628	2.4 (15)
41Kent	3,547	20.0 (5)	3,689	10.1 (6)	553	43.4 (9)	3,065	6.2 (5)	3,691	2.1 (11)
43DHD#10	1,585	40.1 (31)	1,676	23.6 (32)	537	33.5 (24)	1,413	14.0 (31)	1,675	3.4 (27)
44Lapeer	326	34.7 (20)	337	15.7 (14)	90	*	277	2.2 (1)	337	0.3 (1)
45Tuscola	302	41.1 (38)	319	22.3 (27)	102	34.3 (20)	254	16.1 (38)	319	4.1 (35)
46CAA	446	40.6 (36)	460	19.3 (22)	139	47.5 (4)	379	11.3 (19)	461	3.9 (32)
47Livingst	326	34.4 (19)	329	17.9 (19)	76	*	242	11.2 (17)	332	2.4 (15)
50Macomb	2,620	20.0 (5)	2,708	9.4 (5)	422	44.1 (8)	2,206	6.6 (6)	2,708	1.5 (5)
51DCS	607	24.4 (9)	628	11.9 (8)	124	46.0 (6)	494	3.6 (2)	630	1.9 (9)
52Marquett	223	45.7 (44)	217	28.1 (43)	90	*	204	12.3 (25)	218	1.4 (4)
56MMCAA	372	29.3 (13)	387	18.1 (20)	91	*	312	9.6 (14)	387	1.0 (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.

* 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

2017 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	589	37.7 (26)	607	24.7 (33)	176	30.1 (29)	502	13.5 (26)	607	4.6 (39)
61Muskegon	1,337	31.1 (15)	1,394	21.1 (23)	361	25.2 (35)	1,203	13.5 (26)	1,399	5.7 (43)
63Oakland	3,154	15.3 (1)	3,250	8.6 (4)	352	38.4 (13)	2,558	5.2 (3)	3,249	1.0 (2)
73Saginaw	884	36.9 (24)	939	13.7 (12)	283	51.2 (3)	778	13.9 (29)	939	2.9 (24)
74St Clair	730	39.2 (30)	732	24.7 (33)	243	28.4 (34)	658	15.2 (35)	732	3.6 (29)
76Sanilac	200	35.0 (21)	210	26.2 (37)	70	*	183	14.2 (32)	212	4.7 (40)
78Shiawass	351	38.2 (27)	363	21.5 (24)	118	35.6 (19)	307	15.3 (36)	365	3.0 (25)
81Washtena	1,094	24.1 (8)	1,087	10.4 (7)	201	43.3 (10)	947	7.9 (8)	1,086	1.7 (6)
82Wayne	5,318	17.5 (2)	5,549	8.0 (3)	724	46.5 (5)	4,352	8.7 (11)	5,551	2.0 (10)
89Urban L	3,204	21.9 (7)	3,522	6.6 (2)	595	62.9 (1)	2,741	14.7 (33)	3,523	5.3 (42)
90Detroit	5,432	18.1 (3)	6,083	5.7 (1)	831	57.4 (2)	4,622	15.3 (36)	6,076	4.7 (40)
Michigan	51,028	27.1	53,711	14.1	11,398	39.3	43,712	11.3	53,738	3.2
National (Prior Year)	112,214	29.5	114,607	15.2	15,803	35.0	75,630	14.7	88,858	11.7

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

(2) Excludes records with unknown data or errors.

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

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

* 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

2017 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	374	7.0 (7)	8.3 (25)	379	8.2 (4)	344	4.7 (38)	374	67.1 (36)
02LMAS	170	5.9 (2)	14.1 (47)	175	8.0 (3)	155	2.6 (8)	170	77.6 (16)
04DHD#4	381	9.7 (29)	10.0 (36)	390	9.7 (12)	342	5.3 (42)	380	70.8 (30)
05NWMCHA	506	7.9 (14)	10.9 (41)	573	7.9 (2)	463	3.7 (20)	547	80.6 (7)
06CMDHD	978	7.8 (13)	8.5 (28)	1,019	9.9 (14)	882	4.3 (32)	980	77.6 (16)
07West UP	260	5.4 (1)	10.8 (40)	270	9.3 (10)	228	1.8 (1)	260	82.3 (5)
08Barry	494	9.9 (33)	8.1 (24)	510	11.2 (24)	434	2.8 (11)	503	82.5 (4)
09Bay	545	6.8 (5)	10.1 (38)	551	10.0 (15)	490	3.5 (19)	545	65.1 (37)
10Gr Trav	455	8.4 (20)	9.7 (35)	468	8.3 (5)	415	4.1 (29)	455	86.6 (1)
11Berrien	814	8.7 (25)	8.0 (22)	847	11.2 (24)	722	4.7 (38)	817	73.2 (28)
12BHS	969	6.9 (6)	9.2 (33)	988	10.8 (19)	854	2.1 (2)	975	82.6 (3)
13Calhoun	867	10.6 (39)	7.4 (20)	892	12.3 (31)	756	4.0 (26)	868	73.8 (25)
14Leelanau	114	7.9 (14)	12.3 (46)	115	7.8 (1)	102	4.9 (40)	114	80.7 (6)
15Intercar	2,255	8.3 (19)	10.5 (39)	2,304	11.7 (29)	1,970	2.9 (12)	2,279	76.2 (18)
17Chippewa	205	10.7 (40)	11.7 (45)	200	12.5 (33)	171	4.1 (29)	206	69.9 (33)
19Mid-Mich	687	7.7 (10)	8.9 (32)	687	9.2 (8)	612	3.4 (17)	688	84.7 (2)
21Delta	262	8.4 (20)	8.8 (30)	267	12.4 (32)	229	2.2 (4)	262	70.6 (31)
22Iron	176	8.5 (24)	6.8 (15)	181	9.4 (11)	158	3.8 (23)	176	78.4 (14)
25Genesee	2,682	11.9 (43)	4.8 (4)	2,705	13.8 (41)	2,280	5.7 (44)	2,693	57.8 (45)

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

(2) Excludes records with unknown data or errors.

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

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

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

* 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

2017 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	460	11.5 (42)	4.8 (4)	468	12.8 (35)	400	5.3 (42)	460	60.2 (43)
32Huron	156	7.7 (10)	10.9 (41)	158	13.3 (38)	135	2.2 (4)	157	74.5 (22)
33Ingham	1,644	9.7 (29)	6.7 (14)	1,700	11.4 (28)	1,453	4.3 (32)	1,656	79.4 (11)
35Keweenaw	55	*	*	58	*	49	*	55	*
37Ionia	337	9.2 (28)	6.2 (9)	343	13.4 (40)	290	3.4 (17)	338	79.0 (12)
38Jackson	943	8.7 (25)	7.1 (17)	964	13.8 (41)	809	3.0 (14)	943	73.6 (27)
39Kalamazo	714	9.7 (29)	8.0 (22)	736	12.1 (30)	619	3.7 (20)	719	75.0 (20)
40Kal Fam	595	9.7 (29)	7.1 (17)	609	12.8 (35)	514	3.9 (24)	597	69.0 (35)
41Kent	3,497	10.4 (36)	7.1 (17)	3,591	13.3 (38)	3,017	4.0 (26)	3,514	75.8 (19)
43DHD#10	1,571	7.7 (10)	8.7 (29)	1,600	9.7 (12)	1,401	4.1 (29)	1,571	78.5 (13)
44Lapeer	322	8.4 (20)	9.3 (34)	324	10.8 (19)	284	3.9 (24)	323	79.6 (10)
45Tuscola	309	8.4 (20)	11.0 (44)	310	11.0 (21)	272	3.7 (20)	309	73.8 (25)
46CAA	432	7.2 (8)	8.8 (30)	445	9.2 (8)	389	3.3 (16)	431	77.7 (15)
47Livingst	323	8.0 (17)	8.4 (27)	330	11.2 (24)	285	2.5 (7)	323	74.9 (21)
50Macomb	2,551	11.1 (41)	4.7 (3)	2,642	12.8 (35)	2,190	4.3 (32)	2,625	58.4 (44)
51DCS	609	6.7 (4)	7.7 (21)	620	10.5 (18)	543	2.6 (8)	610	71.6 (29)
52Marquett	210	10.5 (38)	10.0 (36)	217	10.1 (16)	188	7.4 (47)	212	79.7 (8)
56MMCAA	368	6.0 (3)	10.9 (41)	372	8.9 (7)	334	2.1 (2)	369	74.5 (22)
58Monroe	573	7.9 (14)	6.3 (11)	587	10.1 (16)	510	2.7 (10)	556	62.9 (40)

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

(2) Excludes records with unknown data or errors.

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

(4) <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

2017 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	1,326	10.4 (36)	5.4 (6)	1,339	14.3 (45)	1,100	4.0 (26)	1,328	64.1 (38)
63Oakland	3,097	12.0 (44)	5.6 (7)	3,178	13.9 (43)	2,652	5.0 (41)	3,129	70.0 (32)
73Saginaw	906	12.7 (46)	6.2 (9)	918	12.5 (33)	789	4.6 (37)	907	60.3 (42)
74St Clair	691	8.1 (18)	6.4 (12)	703	11.1 (23)	613	2.9 (12)	690	69.7 (34)
76Sanilac	204	8.8 (27)	6.9 (16)	206	11.2 (24)	177	2.3 (6)	204	63.7 (39)
78Shiawass	351	7.4 (9)	8.3 (25)	356	8.4 (6)	319	3.1 (15)	351	74.4 (24)
81Washtena	1,033	9.9 (33)	5.7 (8)	1,053	14.0 (44)	885	4.5 (35)	992	79.7 (8)
82Wayne	5,143	10.0 (35)	6.5 (13)	5,401	11.0 (21)	4,519	4.5 (35)	5,313	60.5 (41)
89Urban L	3,216	13.2 (47)	4.0 (1)	3,387	16.9 (47)	2,622	5.7 (44)	3,295	49.8 (46)
90Detroit	5,693	12.5 (45)	4.5 (2)	5,877	14.5 (46)	4,817	5.8 (46)	5,731	49.3 (47)
Michigan	50,526	10.2	6.7	52,025	12.4	43,785	4.3	51,003	66.7
National (Prior Year)	56,577	9.7	7.0	58,441	12.2	49,086	4.1	56,962	58.2

(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) <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

2015 - 2017 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	1,262	92.8	0.4	2.9	0.1	0.1	3.5	0.3
02LMAS	544	75.2	0.6	1.5	4.0	0.2	18.4	0.2
04DHD#4	1,237	90.6	0.6	2.2	0.1	0.6	5.5	0.4
05NWMCHA	1,962	90.9	0.6	2.2	1.1	0.7	4.5	0.1
06CMDHD	3,501	89.1	1.7	3.1	1.0	1.2	3.4	0.5
07West UP	1,014	91.4	1.1	1.3	0.3	2.9	2.7	0.4
08Barry	1,858	91.3	2.2	4.2	0.1	0.6	1.5	0.1
09Bay	1,872	81.4	3.2	9.3	0.1	0.3	5.0	0.7
10Gr Trav	1,557	87.7	1.2	6.2	1.3	0.8	2.5	0.4
11Berrien	3,004	51.3	36.3	6.9	0.2	0.7	3.3	1.3
12BHS	3,592	82.1	2.1	11.7	0.0	0.3	2.7	1.0
13Calhoun	3,293	61.5	19.2	7.1	0.2	5.5	5.7	0.9
14Leelanau	475	75.4	1.3	11.8	3.8	0.8	4.2	2.7
15Interkar	8,640	62.2	3.8	27.0	0.2	2.0	3.2	1.6
17Chippewa	752	58.9	0.4	2.1	17.6	0.9	20.1	0.0
19Mid-Mich	2,504	88.8	0.5	8.3	0.1	0.2	1.8	0.3
21Delta	1,051	84.5	0.6	3.6	0.8	0.9	8.7	1.0
22Iron	687	93.0	0.0	2.2	0.3	0.4	2.6	1.5
25Genesee	9,088	49.0	39.2	4.7	0.1	0.5	6.0	0.6
30HDI	1,604	16.8	56.2	23.3	0.1	0.7	2.6	0.4
32Huron	553	93.5	0.2	4.2	0.2	0.0	1.3	0.7
33Ingham	5,675	43.9	27.1	14.7	0.2	6.3	6.9	0.8
35Keweenaw	165	15.2	0.0	2.4	75.2	0.0	7.3	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

2015 - 2017 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	1,190	90.7	0.2	6.8	0.1	0.3	1.9	0.0
38Jackson	3,383	73.7	14.0	5.6	0.2	0.6	5.6	0.3
39Kalamazo	2,411	60.3	23.9	7.6	0.2	1.4	5.5	1.0
40Kal Fam	2,511	41.4	42.1	10.3	0.0	1.0	5.0	0.3
41Kent	12,635	39.7	23.7	27.2	0.2	4.1	4.7	0.4
43DHD#10	5,605	83.8	1.7	10.3	0.2	0.3	3.2	0.6
44Lapeer	1,237	88.2	0.4	6.0	0.1	0.3	4.4	0.6
45Tuscola	1,003	93.2	0.8	3.4	0.2	0.2	2.0	0.2
46CAA	1,688	75.7	1.6	17.1	0.0	0.4	4.3	0.9
47Livingst	1,271	89.5	0.7	4.8	0.2	1.5	2.4	0.9
50Macomb	9,140	57.0	30.3	2.4	0.0	5.9	4.0	0.4
51CFHC	721	69.9	11.8	11.1	0.1	1.8	5.1	0.1
51DCS	1,442	72.9	9.2	12.8	0.0	1.5	3.6	0.0
52Marquett	894	85.0	0.6	3.0	1.0	1.1	8.4	0.9
56MMCAA	1,237	93.6	0.7	2.0	0.1	0.7	2.3	0.6
58Monroe	2,118	83.8	6.2	5.5	0.1	0.5	3.2	0.7
61Muskegon	4,656	58.2	26.7	8.2	0.3	0.4	5.8	0.4
63Oakland	10,917	47.6	33.9	12.3	0.1	2.6	3.1	0.3
73Saginaw	3,121	49.1	30.9	15.1	0.0	0.5	3.8	0.6
74St Clair	2,567	82.8	5.8	5.5	0.2	0.6	4.7	0.4
76Sanilac	707	92.9	0.1	4.7	0.1	0.0	1.4	0.7
78Shiawass	1,286	88.1	0.6	5.6	0.1	0.4	4.7	0.4
81Washtena	3,875	37.9	38.6	10.0	0.1	4.3	8.5	0.6
82Wayne	18,290	57.5	29.8	4.7	0.1	4.4	3.0	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 3F

2015 - 2017 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	10,607	12.5	78.2	6.2	0.1	0.7	2.1	0.2
90Detroit	20,196	8.0	74.9	14.1	0.0	1.4	1.4	0.2
Michigan	180,927	53.2	29.4	10.4	0.3	2.2	3.9	0.6

(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

2015 - 2017 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	1,262	0.0	3.7	8.0	67.9	19.3	1.0	0.0
02LMAS	544	0.4	3.5	6.1	67.3	22.2	0.4	0.2
04DHD#4	1,237	0.1	2.9	8.8	66.7	20.1	1.4	0.0
05NWMCHA	1,962	0.1	2.4	9.4	64.1	23.1	1.0	0.0
06CMDHD	3,501	0.1	3.5	9.4	65.7	20.2	1.0	0.1
07West UP	1,014	0.0	2.7	8.4	59.8	27.5	1.7	0.0
08Barry	1,858	0.2	3.0	9.1	65.8	20.9	0.9	0.2
09Bay	1,872	0.1	3.2	8.7	64.4	22.8	0.9	0.0
10Gr Trav	1,557	0.0	2.7	7.1	62.9	25.5	1.3	0.4
11Berrien	3,004	0.5	4.3	9.4	63.9	20.5	1.2	0.3
12BHS	3,592	0.1	3.8	10.8	64.1	19.8	1.3	0.0
13Calhoun	3,293	0.1	3.2	9.1	65.7	20.3	1.2	0.2
14Leelanau	475	0.0	4.0	7.6	63.2	23.4	1.3	0.6
15Inter-car	8,640	0.1	3.6	8.4	63.1	23.1	1.7	0.0
17Chippewa	752	0.0	2.0	8.8	63.7	24.3	1.2	0.0
19Mid-Mich	2,504	0.1	2.6	9.0	66.7	20.1	1.5	0.0
21Delta	1,051	0.1	2.9	9.7	62.7	23.5	1.0	0.1
22Iron	687	0.0	3.5	9.0	60.4	25.3	1.6	0.1
25Genesee	9,088	0.2	3.0	9.8	66.4	19.4	1.1	0.0
30HDI	1,604	0.4	4.4	10.0	63.3	20.3	1.4	0.1
32Huron	553	0.0	2.2	10.1	63.1	23.7	0.7	0.2
33Ingham	5,675	0.2	3.1	8.2	62.5	24.2	1.6	0.1
35Keweenaw	165	0.6	5.5	9.7	61.8	21.8	0.6	0.0
37Lonia	1,190	0.2	3.7	10.9	67.6	17.1	0.6	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

2015 - 2017 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	3,383	0.1	3.5	9.1	66.9	18.9	1.1	0.3
39Kalamazo	2,411	0.0	3.3	10.1	62.6	22.2	1.6	0.2
40Kal Fam	2,511	0.3	5.5	9.9	61.5	21.5	1.3	0.0
41Kent	12,635	0.2	3.5	7.6	60.4	25.7	1.9	0.7
43DHD#10	5,605	0.1	3.8	9.9	65.4	19.6	1.1	0.0
44Lapeer	1,237	0.2	2.6	7.8	68.6	19.8	1.0	0.2
45Tuscola	1,003	0.2	3.2	8.7	66.4	20.1	1.3	0.1
46CAA	1,688	0.2	3.5	9.8	65.6	19.8	1.1	0.0
47Livingst	1,271	0.0	1.8	6.0	63.6	27.1	1.5	0.0
50Macomb	9,140	0.1	1.7	5.5	63.1	27.4	2.1	0.0
51CFHC	721	0.3	1.0	5.7	61.9	28.0	3.2	0.0
51DCS	1,442	0.0	1.4	5.8	62.8	27.9	2.1	0.0
52Marquett	894	0.0	3.7	6.3	63.0	25.4	1.7	0.0
56MMCAA	1,237	0.2	2.5	7.4	66.8	21.9	1.1	0.1
58Monroe	2,118	0.1	3.9	9.9	64.2	20.8	1.1	0.0
61Muskegon	4,656	0.2	3.8	8.9	65.7	20.1	1.2	0.0
63Oakland	10,917	0.1	2.3	6.5	60.7	28.1	2.2	0.1
73Saginaw	3,121	0.3	2.9	8.3	66.5	20.8	1.2	0.0
74St Clair	2,567	0.1	3.3	9.5	64.8	21.0	1.3	0.0
76Sanilac	707	0.0	5.4	9.2	63.4	21.5	0.6	0.0
78Shiawass	1,286	0.2	3.3	10.0	66.8	18.6	1.0	0.0
81Washtena	3,875	0.1	2.3	6.3	61.8	27.2	2.3	0.0
82Wayne	18,290	0.1	2.0	6.1	61.9	27.1	2.4	0.4
89Urban L	10,607	0.1	3.1	7.9	63.8	23.0	2.0	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 4F

2015 - 2017 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	20,196	0.1	3.2	7.5	62.9	23.8	2.3	0.0
Michigan	180,927	0.1	3.0	8.0	63.4	23.6	1.7	0.2

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

(2) Excludes data with errors.

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

WIC PNNS & PedNSS

Table 5F

2015 - 2017 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	1,132	4.3 (23)	60.2 (43)	759	19.6 (30)	51.5 (25)	140	40.0 (21)	231	31.2 (25)	1,178	6.4 (18)	1,178	9.9 (17)
02LMAS	499	3.6 (6)	56.3 (16)	330	18.2 (22)	51.5 (25)	54	*	101	22.8 (9)	508	8.1 (40)	508	12.4 (40)
04DHD#4	1,160	4.4 (28)	56.2 (15)	975	19.1 (27)	50.3 (15)	195	34.9 (15)	246	28.9 (18)	1,162	4.4 (2)	1,161	7.3 (4)
05NWMCHA	1,557	4.6 (32)	55.2 (11)	990	20.2 (35)	51.0 (18)	276	29.7 (8)	294	33.3 (30)	1,848	5.3 (7)	1,849	8.7 (6)
06CMDHD	3,210	4.5 (30)	59.9 (42)	2,368	18.9 (26)	51.3 (23)	422	31.3 (10)	626	26.7 (14)	3,259	6.8 (25)	3,263	9.1 (9)
07West UP	818	3.4 (3)	52.0 (2)	526	16.7 (7)	51.1 (20)	120	19.2 (3)	238	21.4 (8)	928	7.0 (27)	928	12.3 (39)
08Barry	1,417	5.0 (39)	57.0 (20)	930	15.4 (3)	55.1 (48)	277	33.2 (11)	391	18.7 (3)	1,709	8.1 (40)	1,707	14.4 (49)
09Bay	1,448	4.8 (35)	58.6 (34)	1,098	20.1 (34)	48.9 (8)	240	33.3 (12)	254	26.0 (11)	1,750	6.6 (20)	1,750	9.8 (15)
10Gr Trav	1,393	5.1 (42)	50.5 (1)	1,103	16.2 (5)	52.0 (32)	220	60.0 (41)	205	45.4 (46)	1,470	6.1 (12)	1,471	8.4 (5)
11Berrien	2,570	4.0 (13)	58.1 (30)	1,942	17.4 (11)	54.6 (46)	446	42.4 (24)	502	34.9 (36)	2,714	5.7 (8)	2,715	11.7 (33)
12BHS	2,959	4.3 (23)	58.6 (34)	2,031	17.4 (11)	52.5 (36)	441	29.9 (9)	586	26.6 (12)	3,260	6.3 (16)	3,264	9.7 (14)
13Calhoun	2,707	4.2 (20)	56.8 (18)	1,686	19.6 (30)	51.5 (25)	457	52.1 (39)	568	37.7 (41)	3,013	6.6 (20)	3,009	9.2 (10)
14Leelanau	444	3.2 (2)	59.0 (38)	358	21.5 (43)	52.8 (39)	56	*	56	*	428	5.1 (5)	429	6.8 (2)
15Intercar	7,052	3.9 (10)	58.5 (33)	4,277	23.4 (47)	46.2 (6)	1,058	44.7 (28)	1,474	35.2 (37)	7,727	7.7 (35)	7,727	9.5 (13)
17Chippewa	594	2.9 (1)	61.6 (46)	286	17.8 (15)	53.8 (44)	70	*	107	31.8 (26)	686	7.7 (35)	686	12.4 (40)
19Mid-Mich	2,294	5.0 (39)	57.1 (22)	1,826	20.4 (36)	51.9 (31)	348	18.4 (2)	589	19.4 (4)	2,335	6.4 (18)	2,339	13.3 (45)
21Delta	825	4.1 (16)	52.8 (5)	526	22.1 (46)	44.5 (3)	114	24.6 (4)	195	29.7 (21)	933	11.3 (49)	933	10.3 (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) 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 PNNS & PedNSS

Table 5F

2015 - 2017 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	576	3.8 (9)	52.8 (5)	315	15.9 (4)	45.4 (4)	74	*	132	24.2 (10)	609	3.9 (1)	608	11.8 (34)
25Genesee	7,907	5.3 (44)	55.7 (13)	4,811	18.0 (19)	53.2 (42)	1,562	46.4 (32)	1,490	32.4 (29)	8,491	7.4 (31)	8,487	13.4 (46)
30HDI	1,474	3.5 (5)	64.5 (49)	1,154	26.9 (49)	42.7 (2)	242	37.6 (19)	960	42.7 (44)	1,472	5.0 (4)	1,472	10.3 (22)
32Huron	467	4.1 (16)	61.9 (48)	381	17.8 (15)	49.9 (12)	55	*	104	21.2 (7)	511	9.2 (46)	509	12.8 (43)
33Ingham	4,893	4.7 (34)	57.5 (25)	3,803	17.9 (17)	52.4 (34)	925	38.2 (20)	1,024	29.6 (20)	5,263	5.8 (9)	5,266	10.3 (22)
35Keweenaw	156	5.8 (46)	57.1 (22)	116	20.7 (39)	37.9 (1)	14	*	43	*	153	11.1 (48)	153	6.5 (1)
37Ionia	923	4.9 (37)	58.6 (34)	730	17.1 (10)	53.2 (42)	183	16.4 (1)	230	11.3 (1)	1,090	5.2 (6)	1,089	12.0 (35)
38Jackson	2,516	5.9 (47)	58.0 (29)	1,617	18.1 (20)	51.2 (22)	479	49.9 (36)	653	40.0 (42)	3,109	6.1 (12)	3,110	10.0 (19)
39Kalamazo	1,902	4.1 (16)	58.1 (30)	1,325	16.8 (8)	54.9 (47)	354	43.5 (26)	553	33.5 (31)	2,186	8.8 (45)	2,187	9.4 (11)
40Kal Fam	2,203	4.4 (28)	59.2 (40)	1,459	21.6 (44)	52.4 (34)	290	48.6 (35)	514	36.2 (40)	2,266	8.3 (43)	2,267	9.8 (15)
41Kent	9,331	4.3 (23)	56.9 (19)	5,627	24.3 (48)	45.9 (5)	1,912	40.5 (22)	3,155	33.6 (32)	11,642	7.2 (29)	11,653	11.1 (29)
43DHD#10	5,086	4.2 (20)	58.9 (37)	3,936	20.4 (36)	51.3 (23)	722	37.4 (18)	1,110	28.6 (17)	5,206	6.7 (23)	5,212	11.5 (31)
44Lapeer	1,210	4.8 (35)	56.4 (17)	1,046	15.2 (2)	55.3 (49)	192	34.9 (15)	304	30.9 (24)	1,148	4.7 (3)	1,149	7.1 (3)
45Tuscola	761	5.7 (45)	53.2 (7)	572	19.4 (29)	51.0 (18)	118	26.3 (6)	156	20.5 (6)	962	7.5 (33)	962	10.7 (26)
46CAA	1,392	3.9 (10)	58.1 (30)	793	21.4 (42)	49.2 (10)	315	35.9 (17)	340	28.5 (16)	1,548	6.8 (25)	1,550	12.5 (42)
47Livingst	1,195	5.9 (47)	52.0 (2)	896	14.8 (1)	54.5 (45)	219	25.6 (5)	411	16.5 (2)	1,154	8.0 (39)	1,157	11.3 (30)
50Macomb	8,132	4.3 (23)	57.1 (22)	6,724	18.2 (22)	52.6 (37)	1,629	44.7 (28)	2,134	34.3 (34)	8,463	7.9 (38)	8,471	10.1 (20)

(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

2015 - 2017 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 (20)	52.3 (4)	538	17.5 (13)	52.6 (37)	133	51.1 (37)	173	42.2 (43)	661	8.2 (42)	664	11.6 (32)
51DCS	1,332	4.5 (30)	55.9 (14)	1,096	16.4 (6)	52.2 (33)	278	44.2 (27)	410	32.0 (27)	1,347	10.2 (47)	1,344	10.9 (27)
52Marquett	786	3.9 (10)	55.0 (10)	603	18.1 (20)	49.1 (9)	111	27.9 (7)	246	19.5 (5)	789	6.7 (23)	792	11.0 (28)
56MMCAA	1,105	3.4 (3)	57.7 (27)	759	20.7 (39)	51.1 (20)	172	33.7 (13)	296	29.4 (19)	1,164	6.2 (14)	1,164	9.4 (11)
58Monroe	1,670	5.0 (39)	54.9 (9)	1,068	21.2 (41)	50.3 (15)	371	43.4 (25)	425	30.8 (23)	1,929	7.1 (28)	1,931	12.8 (43)
61Muskegon	4,334	4.3 (23)	59.4 (41)	3,468	20.5 (38)	50.1 (14)	605	41.8 (23)	429	28.2 (15)	4,321	8.6 (44)	4,322	13.4 (46)
63Oakland	9,741	4.0 (13)	57.0 (20)	7,359	18.7 (25)	51.5 (25)	2,055	46.2 (31)	2,669	34.2 (33)	10,159	6.3 (16)	10,159	10.4 (25)
73Saginaw	2,354	3.6 (6)	61.6 (46)	1,757	21.6 (44)	49.6 (11)	504	52.0 (38)	447	34.5 (35)	2,888	6.6 (20)	2,888	12.1 (38)
74St Clair	2,402	4.9 (37)	54.4 (8)	2,004	16.8 (8)	52.8 (39)	383	46.5 (33)	466	32.0 (27)	2,319	7.6 (34)	2,327	9.9 (17)
76Sanilac	543	6.4 (49)	57.6 (26)	302	17.9 (17)	50.0 (13)	97	*	143	26.6 (12)	648	6.0 (10)	649	10.2 (21)
78Shiawass	1,215	5.2 (43)	59.0 (38)	1,037	18.6 (24)	50.3 (15)	196	33.7 (13)	217	30.0 (22)	1,216	7.7 (35)	1,216	9.0 (8)
81Washtena	3,522	4.1 (16)	57.7 (27)	2,409	20.0 (33)	48.7 (7)	641	48.0 (34)	989	35.3 (38)	3,496	7.4 (31)	3,496	12.0 (35)
82Wayne	13,592	4.6 (32)	55.4 (12)	9,197	17.5 (13)	53.0 (41)	3,626	45.0 (30)	4,779	35.4 (39)	17,069	7.2 (29)	17,078	8.7 (6)
89Urban L	8,956	3.7 (8)	61.4 (45)	6,407	19.2 (28)	51.6 (29)	1,951	66.4 (42)	1,454	54.6 (47)	9,982	6.2 (14)	9,987	13.7 (48)
90Detroit	17,210	4.0 (13)	61.3 (44)	13,515	19.9 (32)	51.7 (30)	3,465	55.1 (40)	2,557	43.6 (45)	19,105	6.0 (10)	19,106	12.0 (35)
Michigan	151,746	4.4	57.8	108,901	19.4	51.2	28,808	45.2	35,717	34.2	167,329	6.9	167,397	10.9

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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 PNNS & PedNSS

Table 6F

2015 - 2017 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	1,175	78.8 (34)	12.7 (36)	1,241	39.6 (20)	1,120	20.1 (28)	1,021	89.7 (18)
02LMAS	507	81.5 (27)	12.4 (35)	531	54.2 (1)	471	28.5 (10)	452	85.0 (39)
04DHD#4	1,161	84.4 (21)	9.1 (23)	1,216	38.9 (23)	1,143	23.5 (20)	1,023	91.1 (9)
05NWMCHA	1,859	85.0 (20)	9.1 (23)	1,933	39.8 (18)	1,801	26.3 (13)	1,574	88.9 (21)
06CMDHD	3,260	77.4 (38)	15.9 (39)	3,465	44.7 (8)	3,093	23.4 (22)	2,904	88.6 (23)
07West UP	921	83.7 (22)	11.7 (32)	990	38.8 (25)	931	37.8 (4)	817	90.5 (11)
08Barry	1,682	92.1 (2)	2.3 (2)	1,844	33.1 (34)	1,428	24.6 (18)	1,431	91.8 (5)
09Bay	1,716	71.5 (44)	21.5 (45)	1,853	46.5 (5)	1,716	20.4 (25)	1,580	84.4 (41)
10Gr Trav	1,461	67.8 (47)	22.8 (47)	1,526	34.9 (31)	1,393	25.9 (14)	1,123	89.7 (18)
11Berrien	2,683	77.8 (36)	9.2 (25)	2,956	31.7 (38)	2,367	16.5 (38)	2,272	88.5 (24)
12BHS	3,056	74.2 (42)	16.5 (41)	3,522	41.7 (13)	3,161	19.5 (30)	2,941	84.8 (40)
13Calhoun	2,926	88.3 (7)	5.1 (10)	3,239	37.5 (28)	2,142	17.6 (35)	2,584	81.0 (44)
14Leelanau	423	68.6 (46)	23.2 (48)	457	39.4 (21)	289	28.0 (11)	353	78.8 (46)
15Intercar	7,534	86.5 (16)	7.9 (20)	8,510	41.0 (16)	5,964	25.8 (15)	6,722	80.0 (45)
17Chippewa	689	88.2 (8)	10.0 (27)	727	50.1 (2)	648	64.4 (1)	639	86.7 (33)
19Mid-Mich	2,324	86.8 (15)	7.2 (17)	2,457	38.2 (26)	2,127	23.5 (20)	1,988	90.4 (12)
21Delta	927	88.1 (9)	7.0 (16)	1,031	45.0 (7)	939	23.0 (23)	856	90.0 (14)
22Iron	611	86.1 (18)	11.1 (30)	671	47.8 (4)	602	38.0 (3)	565	87.4 (29)
25Genesee	8,391	86.3 (17)	3.1 (3)	8,918	26.5 (42)	6,132	11.8 (48)	6,611	88.3 (25)
30HDI	1,475	77.7 (37)	7.8 (19)	1,593	41.2 (15)	1,437	7.9 (49)	1,367	77.9 (47)
32Huron	506	81.6 (26)	13.6 (37)	549	44.4 (9)	468	31.8 (6)	431	87.0 (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) 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 6F

2015 - 2017 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	5,209	78.7 (35)	11.8 (33)	5,609	30.3 (39)	4,838	12.2 (46)	4,366	88.2 (26)
35Keweenaw	154	92.2 (1)	0.6 (1)	164	48.2 (3)	138	20.3 (26)	141	92.9 (2)
37Ionia	1,082	81.0 (31)	10.2 (29)	1,178	38.9 (23)	1,086	19.2 (33)	959	91.7 (7)
38Jackson	3,059	86.0 (19)	6.5 (15)	3,329	39.9 (17)	2,968	14.7 (44)	2,763	85.2 (38)
39Kalamazo	2,170	80.1 (32)	11.2 (31)	2,370	32.1 (36)	2,119	16.4 (39)	1,811	86.9 (31)
40Kal Fam	2,262	71.6 (43)	18.9 (43)	2,470	46.5 (5)	2,340	15.3 (42)	2,189	76.4 (48)
41Kent	11,552	81.1 (30)	9.0 (22)	12,472	32.1 (36)	10,126	21.0 (24)	10,078	88.1 (27)
43DHD#10	5,167	76.5 (41)	16.5 (41)	5,501	42.9 (11)	4,043	27.3 (12)	4,553	87.9 (28)
44Lapeer	1,141	81.9 (25)	11.8 (33)	1,217	34.8 (33)	1,101	19.3 (32)	964	89.9 (16)
45Tuscola	954	67.0 (48)	22.6 (46)	995	41.9 (12)	921	25.4 (16)	805	91.8 (5)
46CAA	1,536	87.6 (12)	4.5 (7)	1,665	29.8 (40)	1,492	19.4 (31)	1,289	90.0 (14)
47Livingst	1,153	91.2 (3)	3.9 (4)	1,260	25.6 (44)	1,013	31.5 (7)	881	90.1 (13)
50Macomb	8,369	87.5 (13)	4.7 (8)	8,982	27.3 (41)	5,787	23.6 (19)	6,899	89.4 (20)
51CFHC	658	89.1 (4)	5.5 (13)	702	25.4 (45)	524	29.2 (9)	520	92.7 (3)
51DCS	1,329	87.8 (11)	5.6 (14)	1,425	24.7 (48)	1,058	24.7 (17)	1,068	91.9 (4)
52Marquett	791	88.0 (10)	5.3 (11)	877	39.8 (18)	636	38.8 (2)	727	91.7 (7)
56MMCAA	1,154	81.2 (29)	14.0 (38)	1,219	37.6 (27)	1,145	30.7 (8)	995	96.2 (1)
58Monroe	1,927	83.6 (23)	9.5 (26)	2,092	35.8 (30)	1,911	17.9 (34)	1,674	86.7 (33)
61Muskegon	4,230	81.3 (28)	10.0 (27)	4,567	41.3 (14)	4,109	15.8 (41)	3,774	76.3 (49)
63Oakland	10,126	87.0 (14)	5.4 (12)	10,784	25.7 (43)	7,872	19.6 (29)	8,147	90.7 (10)
73Saginaw	2,830	69.5 (45)	19.2 (44)	3,084	37.0 (29)	2,601	12.1 (47)	2,470	84.4 (41)

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Michigan

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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	2,323	65.4 (49)	26.9 (49)	2,545	43.0 (10)	2,251	16.4 (39)	2,140	85.6 (37)
76Sanilac	636	83.3 (24)	8.8 (21)	693	34.9 (31)	428	36.0 (5)	553	83.9 (43)
78Shiawass	1,190	77.1 (39)	15.9 (39)	1,267	39.0 (22)	1,168	15.2 (43)	1,042	86.5 (35)
81Washtena	3,487	88.5 (5)	4.7 (8)	3,813	33.1 (34)	3,536	17.6 (35)	3,073	89.8 (17)
82Wayne	16,876	88.4 (6)	4.3 (5)	18,031	24.8 (47)	13,943	20.3 (26)	13,613	88.8 (22)
89Urban L	9,901	79.4 (33)	4.3 (5)	10,362	24.0 (49)	6,854	16.6 (37)	7,905	86.9 (31)
90Detroit	18,897	77.1 (39)	7.2 (17)	19,880	25.3 (46)	13,604	12.9 (45)	15,136	85.9 (36)
Michigan	165,526	82.1	8.6	178,109	32.4	139,078	19.5	139,833	87.0

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

(2) Excludes records with unknown data or errors.

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

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

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

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

WIC PNNS & PedNSS

Table 7F

2015 - 2017 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	1,148	49.0 (47)	1,182	32.0 (46)	470	29.8 (38)	1,021	20.8 (47)	1,182	5.6 (46)
02LMAS	493	50.3 (48)	508	34.6 (48)	217	23.5 (47)	453	19.6 (45)	508	3.9 (34)
04DHD#4	1,147	46.9 (46)	1,162	26.9 (42)	456	38.2 (20)	1,024	23.5 (48)	1,162	4.2 (37)
05NWMCHA	1,807	41.2 (35)	1,850	24.1 (33)	625	34.4 (28)	1,574	15.7 (36)	1,852	4.3 (39)
06CMDHD	3,233	44.5 (43)	3,263	27.2 (43)	1,231	29.2 (41)	2,900	19.7 (46)	3,262	5.2 (44)
07West UP	933	40.4 (33)	928	25.1 (37)	307	27.7 (44)	816	10.0 (13)	929	2.6 (20)
08Barry	1,674	35.9 (20)	1,713	22.9 (28)	493	30.0 (37)	1,432	10.7 (18)	1,713	2.3 (11)
09Bay	1,723	45.2 (44)	1,750	25.6 (39)	692	36.0 (25)	1,580	14.0 (26)	1,751	3.4 (28)
10Gr Trav	1,395	37.0 (24)	1,474	20.6 (23)	420	39.5 (16)	1,123	8.6 (7)	1,473	3.3 (27)
11Berrien	2,596	32.8 (16)	2,717	15.5 (13)	664	43.1 (13)	2,269	14.1 (28)	2,719	3.6 (31)
12BHS	3,251	39.7 (30)	3,265	24.4 (34)	1,061	27.9 (43)	2,940	15.4 (34)	3,268	4.1 (35)
13Calhoun	2,885	36.5 (21)	2,997	20.3 (22)	933	31.7 (34)	2,596	12.7 (23)	3,010	3.2 (25)
14Leelanau	419	42.0 (37)	428	24.8 (35)	153	39.2 (17)	354	14.7 (31)	429	4.4 (40)
15InterCar	7,593	27.5 (10)	7,719	13.8 (9)	1,874	37.6 (22)	6,780	7.7 (5)	7,726	2.5 (17)
17Chippewa	701	42.8 (40)	687	33.5 (47)	255	17.6 (48)	641	31.8 (49)	686	19.5 (49)
19Mid-Mich	2,290	40.3 (32)	2,336	23.0 (29)	775	38.8 (18)	1,988	14.0 (26)	2,340	3.5 (30)
21Delta	958	45.2 (44)	933	31.2 (45)	338	24.6 (46)	856	13.3 (24)	934	2.4 (14)
22Iron	645	44.2 (42)	611	27.2 (43)	227	31.7 (34)	564	9.9 (12)	612	1.6 (4)
25Genesee	7,758	31.5 (12)	8,516	16.0 (14)	2,136	38.7 (19)	6,623	11.7 (20)	8,523	2.4 (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) 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

2015 - 2017 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	1,440	32.7 (15)	1,474	16.8 (15)	408	40.2 (15)	1,367	11.4 (19)	1,474	2.6 (20)
32Huron	507	36.9 (23)	511	20.2 (21)	156	43.6 (10)	431	17.6 (42)	510	4.5 (41)
33Ingham	5,102	25.0 (7)	5,265	13.8 (9)	1,037	36.2 (24)	4,367	10.3 (14)	5,272	4.9 (43)
35Keweenaw	145	66.9 (49)	152	54.6 (49)	87	*	141	18.4 (43)	154	1.3 (1)
37Ionia	1,089	44.1 (41)	1,094	24.9 (36)	394	33.0 (30)	958	16.7 (39)	1,094	2.6 (20)
38Jackson	3,064	42.1 (38)	3,109	25.6 (39)	1,095	29.8 (38)	2,760	16.4 (38)	3,111	3.7 (32)
39Kalamazo	2,121	31.6 (13)	2,190	18.1 (18)	535	36.8 (23)	1,812	10.5 (17)	2,190	2.5 (17)
40Kal Fam	2,360	32.4 (14)	2,266	17.7 (17)	631	29.3 (40)	2,190	12.1 (22)	2,265	2.4 (14)
41Kent	11,455	21.2 (4)	11,672	10.5 (5)	1,962	42.8 (14)	10,075	7.0 (3)	11,678	1.8 (6)
43DHD#10	5,033	40.6 (34)	5,220	23.9 (31)	1,760	32.9 (31)	4,552	14.9 (32)	5,219	3.4 (28)
44Lapeer	1,134	37.1 (25)	1,149	19.7 (20)	343	38.2 (20)	961	6.2 (1)	1,148	1.5 (2)
45Tuscola	926	42.4 (39)	962	22.2 (27)	340	35.9 (26)	806	15.9 (37)	962	4.2 (37)
46CAA	1,506	34.3 (19)	1,557	17.3 (16)	402	43.8 (9)	1,290	10.4 (15)	1,558	3.0 (24)
47Livingst	1,143	39.2 (28)	1,154	19.0 (19)	327	45.6 (5)	885	10.4 (15)	1,157	2.5 (17)
50Macomb	8,248	22.2 (6)	8,478	10.6 (6)	1,476	43.4 (12)	6,923	7.9 (6)	8,482	1.8 (6)
51CFHC	643	29.2 (11)	665	14.6 (12)	153	44.4 (8)	521	8.6 (7)	669	2.7 (23)
51DCS	1,308	27.4 (9)	1,341	13.7 (8)	288	44.8 (7)	1,074	6.8 (2)	1,346	2.2 (10)
52Marquett	816	39.3 (29)	791	25.5 (38)	286	32.5 (32)	726	11.7 (20)	796	1.8 (6)
56MMCAA	1,145	34.0 (18)	1,164	21.9 (25)	337	28.8 (42)	994	9.6 (11)	1,164	1.5 (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 7F

2015 - 2017 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
58Monroe	1,932	38.5 (26)	1,933	23.3 (30)	594	33.2 (29)	1,675	15.3 (33)	1,933	4.7 (42)
61Muskegon	4,171	33.9 (17)	4,305	21.7 (24)	1,239	27.0 (45)	3,772	13.9 (25)	4,327	5.4 (45)
63Oakland	9,943	17.2 (1)	10,162	8.7 (3)	1,298	43.5 (11)	8,148	7.0 (3)	10,163	2.1 (9)
73Saginaw	2,798	36.8 (22)	2,893	14.3 (11)	875	51.7 (3)	2,477	14.5 (30)	2,901	3.2 (25)
74St Clair	2,347	41.2 (35)	2,328	25.6 (39)	808	30.8 (36)	2,142	18.7 (44)	2,328	4.1 (35)
76Sanilac	625	39.0 (27)	646	24.0 (32)	217	35.9 (26)	564	14.2 (29)	649	3.7 (32)
78Shiawass	1,162	39.9 (31)	1,209	22.1 (26)	414	32.4 (33)	1,041	16.9 (40)	1,216	2.3 (11)
81Washtena	3,543	25.7 (8)	3,501	11.2 (7)	717	45.7 (4)	3,069	8.6 (7)	3,495	1.7 (5)
82Wayne	16,492	19.6 (2)	17,075	9.5 (4)	2,552	45.4 (6)	13,627	9.1 (10)	17,071	2.3 (11)
89Urban L	9,203	22.0 (5)	9,987	8.0 (2)	1,690	58.6 (1)	7,903	15.6 (35)	9,985	6.0 (47)
90Detroit	17,499	20.5 (3)	19,134	7.3 (1)	3,005	58.0 (2)	15,138	17.0 (41)	19,130	6.7 (48)
Michigan	161,648	28.8	167,486	15.0	38,754	39.4	139,966	12.2	167,578	3.6

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

(2) Excludes records with unknown data or errors.

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

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

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

WIC PNNS & PedNSS

Table 8F

2015 - 2017 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	1,118	7.3 (10)	8.6 (27)	1,131	9.5 (6)	1,000	4.0 (33)	1,115	65.7 (38)
02LMAS	468	7.5 (13)	11.8 (48)	474	10.1 (12)	414	4.3 (36)	467	73.4 (25)
04DHD#4	1,095	8.7 (31)	9.5 (37)	1,114	10.7 (23)	963	3.6 (24)	1,095	67.0 (35)
05NWMCHA	1,599	7.3 (10)	10.6 (43)	1,768	7.8 (1)	1,460	3.6 (24)	1,713	79.9 (10)
06CMDHD	3,008	7.5 (13)	8.2 (22)	3,117	10.2 (14)	2,694	3.5 (19)	2,995	75.2 (19)
07West UP	860	7.0 (7)	9.1 (34)	882	11.5 (31)	743	2.0 (3)	860	80.8 (5)
08Barry	1,582	9.0 (33)	7.5 (16)	1,693	10.9 (26)	1,400	3.6 (24)	1,638	79.7 (12)
09Bay	1,656	7.8 (20)	10.3 (40)	1,680	10.2 (14)	1,478	3.5 (19)	1,658	64.0 (41)
10Gr Trav	1,393	7.8 (20)	9.9 (39)	1,423	9.2 (3)	1,250	3.4 (17)	1,391	85.8 (1)
11Berrien	2,549	8.3 (27)	7.8 (20)	2,640	10.7 (23)	2,262	3.8 (29)	2,549	69.7 (33)
12BHS	3,053	6.8 (3)	8.4 (25)	3,125	9.6 (7)	2,718	2.7 (6)	3,048	80.5 (6)
13Calhoun	2,849	9.2 (34)	7.7 (18)	2,913	10.3 (17)	2,537	4.4 (38)	2,857	71.4 (30)
14Leelanau	389	7.2 (9)	11.1 (45)	397	9.6 (7)	344	3.8 (29)	386	84.7 (2)
15Intercar	7,220	7.6 (17)	9.8 (38)	7,434	11.3 (28)	6,335	2.5 (4)	7,314	77.0 (15)
17Chippewa	654	6.9 (4)	10.9 (44)	649	10.6 (22)	564	1.8 (2)	652	71.3 (31)
19Mid-Mich	2,212	7.8 (20)	8.5 (26)	2,254	10.4 (18)	1,964	3.2 (13)	2,213	84.0 (3)
21Delta	874	8.4 (28)	9.2 (35)	890	10.1 (12)	782	3.5 (19)	861	71.7 (29)
22Iron	570	7.9 (24)	8.8 (31)	574	10.5 (20)	501	3.6 (24)	565	76.8 (16)
25Genesee	8,273	11.4 (46)	5.2 (4)	8,339	13.9 (47)	7,048	5.0 (46)	8,276	59.5 (45)

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

(2) Excludes records with unknown data or errors.

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

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

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

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

WIC PNNS & PedNSS

Table 8F

2015 - 2017 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	1,371	11.6 (47)	5.1 (3)	1,406	13.4 (44)	1,187	5.1 (47)	1,373	62.1 (42)
32Huron	490	6.5 (2)	11.4 (47)	497	11.1 (27)	436	2.5 (4)	490	71.0 (32)
33Ingham	4,969	9.5 (36)	6.4 (9)	5,143	11.8 (34)	4,364	4.1 (34)	5,000	78.1 (13)
35Keweenaw	142	4.9 (1)	12.0 (49)	152	9.9 (11)	126	0.8 (1)	142	80.3 (8)
37Ionia	1,054	7.6 (17)	8.3 (24)	1,067	11.8 (34)	926	2.9 (10)	1,057	80.1 (9)
38Jackson	2,953	9.3 (35)	7.4 (15)	2,994	12.9 (41)	2,545	3.2 (13)	2,946	73.4 (25)
39Kalamazo	2,072	8.7 (31)	10.3 (40)	2,122	11.9 (37)	1,815	3.5 (19)	2,079	74.8 (20)
40Kal Fam	2,095	10.2 (39)	6.7 (11)	2,166	12.0 (38)	1,818	4.4 (38)	2,106	65.1 (40)
41Kent	11,041	9.6 (38)	7.7 (18)	11,337	12.9 (41)	9,570	3.8 (29)	11,076	74.8 (20)
43DHD#10	4,888	7.7 (19)	8.9 (32)	4,963	10.2 (14)	4,329	3.5 (19)	4,864	77.7 (14)
44Lapeer	1,105	7.5 (13)	9.2 (35)	1,110	9.4 (5)	989	3.8 (29)	1,104	74.0 (24)
45Tuscola	910	7.8 (20)	8.2 (22)	933	11.8 (34)	796	2.8 (9)	909	74.5 (22)
46CAA	1,472	6.9 (4)	8.6 (27)	1,511	9.7 (9)	1,323	3.1 (12)	1,464	76.0 (18)
47Livingst	1,109	6.9 (4)	8.6 (27)	1,143	9.3 (4)	1,002	3.7 (28)	1,102	79.9 (10)
50Macomb	7,849	11.0 (44)	5.6 (5)	8,235	12.7 (40)	6,746	4.6 (41)	8,176	57.4 (47)
51CFHC	649	10.2 (39)	6.8 (12)	643	12.1 (39)	558	4.8 (43)	648	74.1 (23)
51DCS	1,312	7.5 (13)	8.7 (30)	1,327	10.4 (18)	1,171	3.2 (13)	1,311	72.0 (28)
52Marquett	764	8.6 (30)	10.5 (42)	774	11.5 (31)	664	4.1 (34)	764	80.4 (7)
56MMCAA	1,106	7.1 (8)	11.2 (46)	1,129	10.5 (20)	988	2.7 (6)	1,103	76.2 (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) <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

2015 - 2017 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	1,844	8.4 (28)	7.5 (16)	1,889	11.3 (28)	1,623	3.3 (16)	1,770	62.0 (43)
61Muskegon	4,062	10.4 (41)	5.9 (6)	4,178	13.6 (46)	3,457	4.8 (43)	4,066	65.3 (39)
63Oakland	9,649	11.1 (45)	6.1 (7)	9,932	12.9 (41)	8,365	4.5 (40)	9,706	67.5 (34)
73Saginaw	2,770	10.7 (43)	6.8 (12)	2,813	11.4 (30)	2,438	4.8 (43)	2,768	60.2 (44)
74St Clair	2,201	7.9 (24)	7.1 (14)	2,251	11.5 (31)	1,937	2.9 (10)	2,197	65.9 (37)
76Sanilac	617	7.3 (10)	7.8 (20)	635	9.8 (10)	548	2.7 (6)	618	66.7 (36)
78Shiawass	1,153	8.0 (26)	8.9 (32)	1,176	9.1 (2)	1,041	3.4 (17)	1,152	73.1 (27)
81Washtena	3,323	10.5 (42)	6.3 (8)	3,392	13.5 (45)	2,857	4.6 (41)	3,163	81.6 (4)
82Wayne	15,735	9.5 (36)	6.4 (9)	16,639	10.7 (23)	13,900	4.3 (36)	16,182	58.8 (46)
89Urban L	9,202	13.1 (49)	4.0 (1)	9,633	17.0 (49)	7,513	5.7 (48)	9,328	48.2 (49)
90Detroit	18,024	12.9 (48)	4.1 (2)	18,544	14.1 (48)	15,302	6.0 (49)	18,009	48.3 (48)
Michigan	157,373	9.9	6.9	162,286	12.2	136,810	4.2	158,346	58.1

(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.

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