

Table 3F
2011 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	473	95.3	0.2	2.3	0.0	0.0	1.9	0.2
02LMAS	195	71.3	1.0	0.5	3.6	1.0	21.5	1.0
04DHD#4	458	93.2	0.4	1.3	0.0	0.9	3.9	0.2
05NWMCHA	744	92.2	0.1	1.7	0.8	0.4	4.7	0.0
06CMDHD	1,320	92.4	1.4	2.1	0.3	0.2	2.8	0.8
07West UP	388	93.3	0.3	0.8	1.0	2.3	1.3	1.0
08Barry	785	91.5	2.8	3.6	0.1	0.5	1.3	0.3
09Bay	702	83.5	2.0	8.8	0.3	0.1	4.6	0.7
10Gr Trav	620	91.5	1.1	3.9	0.8	0.3	1.6	0.8
11Berrien	1,207	52.4	38.0	4.6	0.2	1.7	1.9	1.3
12BHS	1,391	83.8	1.4	11.4	0.0	0.5	2.0	0.9
13Calhoun	1,180	64.8	19.0	7.1	0.1	3.7	4.7	0.5
14Leelanau	157	70.7	0.6	18.5	3.2	0.6	4.5	1.9
15Inter-car	3,529	64.6	3.7	25.3	0.2	1.9	1.8	2.6
17Chippewa	294	59.2	0.3	1.0	20.7	0.3	18.0	0.3
19Mid-Mich	1,047	90.4	0.6	6.6	0.1	0.6	1.1	0.7
21Delta	394	87.3	0.0	2.5	1.5	0.3	7.1	1.3
22Iron	275	90.2	0.4	3.3	0.0	0.4	2.9	2.9
25Genesee	3,237	52.7	39.4	4.1	0.1	0.4	2.7	0.6
30HDI	531	15.8	55.7	25.6	0.0	0.8	1.9	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.



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32Huron	215	92.6	0.0	4.2	0.0	1.4	0.9	0.9
33Ingham	2,084	49.3	26.8	13.7	0.0	5.3	3.9	0.9
35Keweenaw	69	*	*	*	*	*	*	*
37Ionia	487	90.8	0.0	7.0	0.0	0.8	1.4	0.0
38Jackson	1,316	76.8	12.5	4.9	0.2	0.5	5.1	0.2
39Kalamazo	758	69.0	17.9	6.7	0.1	1.2	4.1	0.9
40Kal Fam	972	44.4	38.3	10.7	0.1	0.6	5.5	0.4
41Kent	5,055	45.9	21.0	25.9	0.4	2.4	3.9	0.5
43DHD#10	2,090	84.5	1.1	10.8	0.0	0.4	2.2	1.0
44Lapeer	536	88.8	0.4	4.7	0.0	0.0	5.4	0.7
45Tuscola	385	94.8	0.8	3.1	0.0	0.0	0.8	0.5
46CAA	710	81.8	1.1	13.4	0.0	0.0	2.1	1.5
47Livingst	609	92.0	0.5	4.3	0.2	0.8	1.3	1.0
50Macomb	2,988	64.0	25.5	2.3	0.0	4.6	3.2	0.4
51DCS	929	74.4	9.5	11.0	0.1	1.4	2.9	0.8
52Marquett	357	90.2	0.8	1.1	1.4	1.1	5.0	0.3
56MMCAA	484	92.4	1.2	2.7	0.2	0.6	2.5	0.4
58Monroe	891	86.3	5.2	4.9	0.2	0.2	2.1	1.0
61Muskegon	1,789	63.9	24.3	6.7	0.2	0.1	4.4	0.4
63Oakland	4,631	51.4	33.0	10.3	0.2	2.1	2.5	0.5

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73Saginaw	1,270	55.2	29.4	12.1	0.1	0.5	2.0	0.6
74St Clair	1,063	85.7	4.0	4.9	0.1	0.3	4.4	0.7
76Sanilac	267	91.0	0.0	7.5	0.0	0.4	0.7	0.4
78Shiawass	500	93.2	0.2	4.2	0.0	0.0	2.0	0.4
81Washtena	1,597	43.3	35.9	9.4	0.3	5.0	5.9	0.2
82Wayne	5,612	65.3	23.3	4.4	0.2	3.3	3.2	0.3
89Urban L	3,370	16.4	71.2	8.7	0.1	1.7	1.8	0.1
90Detroit	8,190	8.3	76.5	12.9	0.1	1.2	1.0	0.1
Unknown Local Agencies	117	28.2	17.9	14.5	12.0	5.1	15.4	6.8
Michigan	68,268	57.0	27.3	10.0	0.4	1.7	2.9	0.6
Nation (Prior Year)	1,162,961	41.6	22.7	29.2	1.1	3.4	1.3	0.7

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Table 4F
2011 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	473	0.0	6.6	11.2	65.5	15.0	1.7	0.0
02LMAS	195	0.0	3.1	11.8	65.1	19.0	1.0	0.0
04DHD#4	458	0.0	3.3	13.3	62.7	19.9	0.9	0.0
05NWMCHA	744	0.1	4.7	12.0	64.4	17.3	1.5	0.0
06CMDHD	1,320	0.2	5.3	12.4	65.0	15.6	1.3	0.2
07West UP	388	0.0	2.3	8.8	63.4	23.7	1.8	0.0
08Barry	785	0.0	4.3	10.8	64.6	18.9	1.4	0.0
09Bay	702	0.1	5.4	11.1	61.4	19.9	2.0	0.0
10Gr Trav	620	0.3	5.8	9.4	59.7	21.8	1.6	1.5
11Berrien	1,207	0.2	6.7	13.9	61.1	17.1	0.9	0.1
12BHS	1,391	0.3	5.8	12.0	64.6	15.8	1.5	0.0
13Calhoun	1,180	0.2	5.5	13.6	65.2	14.5	0.8	0.2
14Leelanau	157	0.0	9.6	8.9	63.7	15.9	1.3	0.6
15Intercar	3,529	0.3	5.0	11.6	63.0	18.9	1.2	0.0
17Chippewa	294	0.0	4.1	11.6	67.7	14.6	2.0	0.0
19Mid-Mich	1,047	0.0	4.7	11.2	68.0	14.9	1.0	0.3
21Delta	394	0.0	4.1	12.2	65.5	17.8	0.5	0.0
22Iron	275	0.0	5.5	10.2	65.1	18.2	1.1	0.0
25Genesee	3,237	0.3	6.1	13.5	62.7	16.2	1.3	0.0

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30HDI	531	1.3	6.2	13.9	59.5	17.3	1.5	0.2
32Huron	215	0.9	0.9	8.4	67.0	22.3	0.5	0.0
33Ingham	2,084	0.4	4.1	10.8	64.6	18.8	1.2	0.1
35Keweenaw	69	*	*	*	*	*	*	*
37Ionia	487	0.4	6.6	15.0	64.3	12.5	1.0	0.2
38Jackson	1,316	0.3	4.9	12.7	66.0	15.2	0.5	0.4
39Kalamazo	758	0.5	5.4	11.3	62.7	19.0	0.8	0.3
40Kal Fam	972	0.1	7.6	13.1	61.9	16.2	1.1	0.0
41Kent	5,055	0.2	4.8	11.1	59.9	20.8	1.5	1.7
43DHD#10	2,090	0.2	5.3	14.1	62.9	16.2	1.4	0.0
44Lapeer	536	0.2	4.3	10.3	62.9	21.1	1.3	0.0
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52Marquett	357	0.0	4.2	7.8	70.9	16.8	0.3	0.0
56MMCAA	484	0.0	3.1	11.8	67.8	16.5	0.8	0.0
58Monroe	891	0.2	5.7	12.9	64.3	15.5	1.2	0.1

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61Muskegon	1,789	0.5	6.0	12.3	65.1	15.0	1.0	0.0
63Oakland	4,631	0.1	3.2	10.1	59.4	24.8	2.2	0.2
73Saginaw	1,270	0.3	4.9	12.1	64.3	17.1	1.3	0.0
74St Clair	1,063	0.0	5.2	13.5	64.5	15.9	0.8	0.0
76Sanilac	267	0.0	4.5	13.5	58.8	20.6	2.2	0.4
78Shiawass	500	0.0	5.2	11.2	65.8	17.0	0.8	0.0
81Washtena	1,597	0.1	3.9	9.4	61.1	23.9	1.5	0.2
82Wayne	5,612	0.1	3.6	9.0	60.8	23.6	1.9	1.0
89Urban L	3,370	0.3	6.4	13.2	57.7	20.8	1.5	0.1
90Detroit	8,190	0.3	5.6	12.8	57.5	21.9	1.9	0.0
Unknown Local Agencies	117	0.0	1.7	3.4	48.7	43.6	1.7	0.9
Michigan	68,268	0.2	4.9	11.5	61.7	19.9	1.5	0.3
Nation (Prior Year)	1,162,961	0.3	5.3	11.5	59.4	21.7	1.7	0.2

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Table 5F
2011 Pregnancy Nutrition Surveillance ⁽¹⁾
Michigan
Comparison of Maternal Health Indicators by Local Agency

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	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%
	(Rank)	(Rank)		(Rank)	(Rank)		(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	
01DHD#2	432	4.2 (21)	56.7 (37)	375	17.9 (27)	56.5 (46)	50	* *	63	* *	437	5.9 (12)	438	11.4(30)
02LMAS	189	3.7 (11)	57.1 (41)	167	18.0 (28)	53.9 (38)	8	* *	24	* *	175	10.3 (43)	176	17.6(47)
04DHD#4	450	6.4 (45)	54.9 (30)	389	17.2 (19)	50.4 (20)	51	* *	83	* *	425	5.2 (6)	426	9.4(16)
05NWMCHA	591	3.7 (11)	52.5 (17)	482	21.0 (43)	44.8 (2)	71	* *	66	* *	709	5.4 (9)	709	8.9(12)
06CMDHD	1,265	5.9 (44)	55.1 (31)	1,124	19.3 (34)	50.4 (20)	142	23.2 (3)	215	19.5 (6)	1,231	5.4 (9)	1,232	8.5(9)
07West UP	366	2.2 (1)	50.3 (6)	324	19.4 (35)	50.3 (19)	44	* *	70	* *	351	12.0 (45)	351	14.5(44)
08Barry	755	4.2 (21)	57.1 (41)	651	15.2 (9)	55.5 (42)	88	* *	137	22.6(11)	724	6.5 (20)	723	10.5(24)
09Bay	608	3.3 (3)	57.7 (43)	509	20.2 (38)	48.5 (12)	71	* *	92	* *	654	9.5 (40)	654	12.2(36)
10Gr Trav	593	4.0 (16)	47.0 (2)	517	14.1 (5)	50.9 (25)	71	* *	55	* *	577	3.6 (2)	577	7.5(3)
11Berrien	1,057	4.9 (34)	53.5 (22)	899	17.6 (25)	55.6 (43)	201	43.8 (22)	164	30.5(21)	1,084	3.4 (1)	1,084	6.1(1)
12BHS	1,229	5.6 (42)	55.2 (33)	1,018	19.9 (37)	48.4 (11)	191	27.2 (6)	248	37.1(26)	1,270	9.4 (38)	1,270	7.7(4)
13Calhoun	1,123	4.5 (28)	54.6 (29)	957	16.7 (17)	50.9 (25)	168	35.7 (14)	137	27.7(16)	1,074	6.9 (25)	1,068	11.5(33)
14Leelanau	150	2.7 (2)	62.7 (46)	123	20.3 (40)	48.0 (9)	21	* *	22	* *	134	5.2 (6)	134	10.4(23)
15InterCar	2,953	4.3 (23)	55.1 (31)	1,921	21.4 (45)	46.5 (6)	388	42.0 (21)	507	31.2(24)	3,123	8.2 (33)	3,130	9.0(13)
17Chippewa	288	3.5 (6)	53.5 (22)	251	17.5 (23)	49.4 (16)	28	* *	50	* *	273	5.1 (5)	273	11.4(30)
19Mid-Mich	966	5.7 (43)	56.8 (38)	835	14.5 (7)	52.1 (32)	148	20.9 (2)	255	18.4 (4)	969	5.9 (12)	968	12.2(36)
21Delta	372	3.5 (6)	51.3 (12)	325	16.6 (16)	49.8 (18)	32	* *	61	* *	348	8.9 (37)	348	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.



Table 5F
2011 Pregnancy Nutrition Surveillance ⁽¹⁾
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Comparison of Maternal Health Indicators by Local Agency

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	%	%	Number	%	%	Number	%
	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	
22Iron	257	4.3 (23)	51.0 (10)	223	13.5 (2)	52.9 (34)	27	* *	38	* *	246	4.1 (3)	247	12.6(41)
25Genesee	3,115	5.3 (39)	53.0 (19)	2,814	17.3 (20)	51.8 (31)	641	39.0 (19)	1,098	30.0(19)	3,003	8.4 (36)	2,998	12.8(42)
30HDI	499	4.0 (16)	63.7 (47)	411	23.4 (46)	45.7 (4)	58	* *	277	34.7(25)	475	5.9 (12)	475	7.4(2)
32Huron	200	3.5 (6)	53.5 (22)	180	20.6 (42)	48.9 (14)	21	* *	27	* *	192	9.4 (38)	193	9.8(18)
33Ingham	1,923	4.4 (27)	54.1 (27)	1,582	13.7 (3)	55.9 (44)	313	28.4 (8)	362	21.0 (9)	1,889	5.0 (4)	1,889	9.4(16)
35Keweenaw	69	* *	* *	63	* *	* *	12	* *	21	* *	63	* *	63	* *
37Ionia	363	5.2 (38)	50.4 (7)	287	17.4 (21)	50.5 (22)	45	* *	70	* *	445	6.5 (20)	445	8.8(11)
38Jackson	1,184	5.0 (36)	51.4 (13)	947	16.5 (15)	51.6 (30)	153	32.7 (11)	122	25.4(14)	1,175	6.1 (15)	1,174	10.1(20)
39Kalamazo	701	3.6 (10)	56.2 (36)	557	14.5 (7)	54.9 (41)	112	39.3 (20)	149	28.2(17)	672	13.5 (47)	672	9.2(14)
40Kal Fam	801	4.0 (16)	55.4 (34)	607	23.4 (46)	48.1 (10)	92	* *	140	30.0(19)	864	12.5 (46)	863	8.0(5)
41Kent	4,258	4.0 (16)	53.3 (20)	3,126	20.2 (38)	47.1 (7)	644	31.5 (10)	790	31.0(23)	4,629	6.3 (17)	4,632	10.0(19)
43DHD#10	1,933	4.3 (23)	56.8 (38)	1,684	17.5 (23)	54.0 (39)	204	23.5 (4)	396	18.2 (3)	1,893	7.2 (28)	1,895	10.5(24)
44Lapeer	527	6.5 (46)	50.5 (8)	455	16.0 (14)	48.6 (13)	79	* *	90	* *	498	10.2 (42)	498	10.8(26)
45Tuscola	352	4.5 (28)	49.4 (4)	322	20.5 (41)	41.0 (1)	35	* *	53	* *	363	10.5 (44)	363	11.0(28)
46CAA	660	4.7 (31)	51.7 (14)	573	21.1 (44)	45.2 (3)	125	20.8 (1)	139	19.4 (5)	646	6.5 (20)	647	12.5(39)
47Livingst	598	3.3 (3)	50.2 (5)	532	13.9 (4)	56.8 (47)	85	* *	170	13.5 (1)	552	7.8 (32)	553	12.8(42)
50Macomb	2,892	4.8 (33)	54.0 (26)	1,905	15.2 (9)	52.7 (33)	542	38.4 (16)	946	20.6 (8)	2,029	8.3 (35)	2,033	10.8(26)

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	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
51DCS	883	3.9 (15)	51.2 (11)	736	15.5 (12)	49.6 (17)	152	25.7 (5)	231	24.7 (13)	841	6.4 (18)	840	11.9 (35)
52Marquett	333	5.1 (37)	46.2 (1)	293	17.4 (21)	54.6 (40)	52	* *	82	* *	328	5.2 (6)	327	12.5 (39)
56MMCAA	466	4.7 (31)	54.1 (27)	412	14.1 (5)	56.3 (45)	64	* *	63	* *	452	7.3 (30)	452	15.3 (46)
58Monroe	819	5.5 (41)	51.9 (16)	699	18.9 (33)	51.5 (28)	120	35.0 (13)	138	21.7 (10)	802	6.1 (15)	804	14.9 (45)
61Muskegon	1,593	3.8 (14)	56.9 (40)	1,414	19.8 (36)	51.3 (27)	192	28.1 (7)	127	20.5 (7)	1,653	8.2 (33)	1,643	11.5 (33)
63Oakland	4,451	3.7 (11)	53.3 (20)	3,835	15.6 (13)	52.9 (34)	849	30.0 (9)	1,093	26.4 (15)	4,178	7.3 (30)	4,185	11.2 (29)
73Saginaw	1,072	3.5 (6)	55.8 (35)	838	18.5 (31)	50.5 (22)	185	38.4 (16)	134	23.1 (12)	1,173	6.6 (23)	1,170	11.4 (30)
74St Clair	1,029	4.5 (28)	47.9 (3)	879	17.7 (26)	50.7 (24)	125	32.8 (12)	218	15.1 (2)	956	7.2 (28)	958	8.5 (9)
76Sanilac	258	5.4 (40)	53.9 (25)	233	18.0 (28)	46.4 (5)	24	* *	46	* *	247	9.7 (41)	248	8.1 (6)
78Shiawass	492	6.5 (46)	52.8 (18)	423	13.2 (1)	53.0 (36)	61	* *	71	* *	457	6.6 (23)	456	8.1 (6)
81Washtena	1,479	4.3 (23)	51.8 (15)	1,179	16.7 (17)	47.1 (7)	263	35.7 (14)	392	30.9 (22)	1,417	7.0 (26)	1,420	9.2 (14)
82Wayne	4,993	4.9 (34)	50.8 (9)	3,476	15.3 (11)	53.0 (36)	1,046	38.5 (18)	1,692	29.6 (18)	4,883	7.0 (26)	4,881	8.4 (8)
89Urban L	3,134	3.3 (3)	59.3 (45)	2,745	18.4 (30)	49.1 (15)	584	50.2 (24)	515	44.5 (28)	3,143	5.7 (11)	3,150	10.1 (20)
90Detroit	7,650	4.0 (16)	58.5 (44)	6,424	18.5 (31)	51.5 (28)	1,385	46.6 (23)	1,515	39.3 (27)	7,609	6.4 (18)	7,614	12.4 (38)
Unknown Local Agencies	79	* *	* *	59	* *	* *	10	* *	23	* *	73	* *	72	* *
Michigan	62,450	4.4	54.4	50,780	17.6	51.0	10,073	35.7	13,477	28.1	61,404	7.0	61,421	10.5

- (1) Reporting period is January 1 through December 31.
(2) Excludes records with unknown data or errors.
(3) Rank compares one local agency's rate to other local agencies. Rank 1 = best rate.
(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).
(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).
(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.
* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 5F
2011 Pregnancy Nutrition Surveillance ⁽¹⁾
Michigan
Comparison of Maternal Health Indicators by Local Agency

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)
Nation (Prior Year)	1,106,370	4.5	53.4	835,927	21.5	48.0	164,201	33.9	346,981	28.1	419,956	5.2	467,675	6.3

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one local agency's rate to other local agencies. Rank 1 = best rate.

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

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

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

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



Table 6F
2011 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	445	86.7 (8)	7.0 (16)		463	49.2 (13)	394	24.4 (18)	402	87.6 (16)
02LMAS	177	83.1 (20)	10.2 (23)		189	63.0 (1)	167	18.0 (34)	175	82.9 (31)
04DHD#4	428	85.5 (13)	10.5 (24)		449	45.7 (23)	404	25.7 (15)	396	90.2 (6)
05NWMCHA	714	74.8 (39)	19.7 (40)		729	51.9 (4)	694	28.5 (8)	643	84.1 (27)
06CMDHD	1,225	75.2 (36)	18.6 (37)		1,283	47.2 (19)	1,154	23.7 (19)	1,119	89.1 (12)
07West UP	353	81.6 (22)	13.3 (29)		381	42.8 (30)	368	31.0 (4)	320	88.4 (14)
08Barry	704	88.5 (5)	6.3 (12)		764	42.0 (31)	560	25.7 (15)	631	84.9 (24)
09Bay	654	75.1 (38)	17.9 (36)		681	52.0 (3)	671	21.2 (24)	619	82.9 (31)
10Gr Trav	572	61.9 (47)	32.2 (47)		612	46.6 (20)	513	32.2 (3)	515	87.8 (15)
11Berrien	1,071	81.0 (27)	5.6 (8)		1,177	35.9 (36)	843	15.3 (38)	980	89.9 (8)
12BHS	1,185	75.4 (35)	16.7 (35)		1,371	43.4 (27)	1,292	12.7 (41)	1,167	78.6 (39)
13Calhoun	1,059	79.1 (28)	12.0 (26)		1,164	40.9 (34)	792	23.6 (20)	977	75.9 (41)
14Leelanau	132	65.9 (46)	23.5 (45)		154	49.4 (10)	125	28.8 (7)	131	72.5 (45)
15Inter-car	3,038	86.8 (7)	6.7 (14)		3,476	43.2 (28)	2,529	22.3 (23)	2,833	79.2 (38)
17Chippewa	268	75.7 (34)	18.7 (38)		287	57.5 (2)	203	33.5 (2)	265	75.8 (43)
19Mid-Mich	963	86.1 (9)	7.3 (17)		1,020	43.0 (29)	886	19.4 (30)	858	86.9 (17)
21Delta	343	81.6 (22)	12.5 (28)		386	50.3 (7)	344	25.6 (17)	333	85.9 (22)
22Iron	246	89.0 (4)	4.9 (6)		270	49.3 (11)	243	33.7 (1)	228	89.0 (13)
25Genesee	2,995	83.5 (18)	2.7 (2)		3,193	22.9 (47)	2,288	8.3 (46)	2,438	79.3 (37)
30HDI	471	75.2 (36)	11.0 (25)		516	49.6 (9)	477	8.0 (47)	455	70.8 (46)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one local agency's rate to other local agencies. Rank 1 = best rate.

(4) Women who reported taking a multivitamin four times a week 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.



Table 6F
2011 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	195	79.0 (29)	15.9 (34)		211	48.8 (15)	201	20.4 (26)	180	90.0 (7)
33Ingham	1,834	82.3 (21)	8.8 (20)		2,054	35.6 (37)	1,825	16.9 (35)	1,730	86.8 (18)
35Keweenaw	63	* *	* *		65	* *	67	* *	65	* *
37Ionia	446	95.1 (1)	2.5 (1)		476	50.4 (6)	462	10.4 (44)	427	95.8 (2)
38Jackson	1,153	84.7 (15)	7.9 (18)		1,294	47.6 (18)	771	26.1 (14)	1,112	75.9 (41)
39Kalamazo	670	84.0 (17)	9.9 (22)		743	41.5 (32)	714	18.8 (32)	629	84.6 (26)
40Kal Fam	862	66.5 (45)	22.6 (43)		951	49.3 (11)	899	12.6 (42)	837	66.7 (47)
41Kent	4,585	77.0 (32)	14.7 (30)		4,965	40.2 (35)	4,399	19.1 (31)	4,332	85.5 (23)
43DHD#10	1,867	78.2 (31)	15.8 (33)		2,054	48.3 (17)	1,656	29.5 (5)	1,776	84.7 (25)
44Lapeer	494	74.3 (40)	19.2 (39)		529	41.4 (33)	455	20.0 (28)	442	83.3 (30)
45Tuscola	362	69.1 (44)	22.9 (44)		375	48.5 (16)	370	27.0 (11)	337	89.6 (11)
46CAA	632	83.2 (19)	7.9 (18)		693	35.4 (38)	394	15.0 (39)	563	90.4 (4)
47Livingst	555	84.9 (14)	8.8 (20)		598	29.1 (43)	523	27.5 (10)	439	90.4 (4)
50Macomb	2,013	88.3 (6)	3.4 (4)		2,960	32.1 (41)	1,792	22.6 (21)	2,492	89.7 (10)
51DCS	834	89.3 (3)	5.3 (7)		911	34.1 (40)	534	27.7 (9)	725	86.2 (19)
52Marquett	323	91.0 (2)	5.9 (9)		356	44.4 (26)	295	26.8 (12)	307	90.6 (3)
56MMCAA	455	81.3 (25)	15.2 (32)		480	46.3 (21)	462	26.6 (13)	420	96.2 (1)
58Monroe	797	76.3 (33)	14.8 (31)		875	46.1 (22)	843	20.0 (28)	744	89.8 (9)
61Muskegon	1,601	85.6 (12)	6.2 (10)		1,771	50.6 (5)	1,323	20.2 (27)	1,499	75.1 (44)
63Oakland	4,147	85.8 (10)	6.2 (10)		4,586	30.2 (42)	3,028	16.6 (36)	3,595	86.2 (19)

(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 week 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.



Table 6F
2011 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)	
73Saginaw	1,138	69.3 (43)	20.2 (42)	1,245	45.3 (24)	1,187	12.2 (43)	1,098	78.3 (40)	
74St Clair	945	73.1 (41)	20.1 (41)	1,049	49.9 (8)	663	21.0 (25)	937	79.7 (34)	
76Sanilac	244	81.6 (22)	12.3 (27)	266	45.1 (25)	155	29.0 (6)	225	79.6 (35)	
78Shiawass	452	69.9 (42)	23.9 (46)	487	48.9 (14)	476	18.5 (33)	432	84.0 (28)	
81Washtena	1,418	84.3 (16)	6.9 (15)	1,579	35.4 (38)	1,489	22.6 (21)	1,314	82.1 (33)	
82Wayne	4,782	85.8 (10)	6.5 (13)	5,534	27.8 (44)	3,831	14.8 (40)	4,457	86.2 (19)	
89Urban L	3,130	81.1 (26)	2.8 (3)	3,284	25.1 (45)	2,067	10.1 (45)	2,587	83.4 (29)	
90Detroit	7,579	78.5 (30)	3.9 (5)	8,069	24.6 (46)	5,356	15.8 (37)	6,539	79.4 (36)	
Unknown Local Agencies	84	* *	* *	112	22.3 (48)	65	* *	39	* *	
Michigan	60,703	81.1	9.2	67,137	36.7	51,249	18.8	55,764	83.4	
Nation (Prior Year)	429,770	83.1	4.1	1,074,863	36.0	380,154	19.2	418,448	85.0	

(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 week 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.



Table 7F
2011 Pregnancy Nutrition Surveillance (1)
Michigan
Comparison of Smoking Indicators by Local Agency

Comparison of Smoking Indicators (2, 3)										
Local Agency	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
01DHD#2	439	51.5 (44)	445	31.0 (46)	190	28.4 (40)	403	25.3 (42)	445	7.2 (38)
02LMAS	182	50.0 (41)	176	34.1 (47)	81	* *	175	20.6 (35)	177	6.8 (36)
04DHD#4	445	51.5 (44)	421	29.2 (40)	191	32.5 (31)	397	23.4 (39)	426	6.6 (35)
05NWMCHA	726	45.0 (31)	711	27.1 (36)	282	30.5 (38)	643	21.9 (37)	710	8.3 (42)
06CMDHD	1,239	50.0 (41)	1,231	30.5 (44)	536	31.7 (36)	1,120	27.0 (46)	1,230	9.3 (45)
07West UP	368	46.2 (35)	352	24.7 (29)	138	35.5 (26)	318	12.3 (5)	352	1.1 (1)
08Barry	730	35.3 (13)	722	21.1 (19)	214	36.0 (23)	636	15.3 (11)	725	5.5 (27)
09Bay	675	49.3 (39)	654	24.5 (27)	286	35.0 (28)	620	18.2 (23)	655	4.9 (20)
10Gr Trav	590	39.8 (22)	573	17.8 (14)	195	44.1 (10)	514	11.3 (4)	575	5.6 (28)
11Berrien	1,119	36.9 (15)	1,085	19.7 (16)	332	36.4 (21)	980	19.3 (27)	1,085	5.9 (30)
12BHS	1,304	37.9 (16)	1,273	23.5 (24)	396	26.5 (41)	1,167	17.9 (21)	1,274	4.5 (15)
13Calhoun	1,089	38.4 (19)	1,070	20.7 (17)	349	32.4 (32)	979	19.5 (28)	1,074	4.9 (20)
14Leelanau	144	45.8 (33)	133	21.8 (21)	55	* *	131	15.3 (11)	135	8.9 (44)
15InterCar	3,212	31.1 (9)	3,115	16.4 (11)	837	39.2 (16)	2,845	10.1 (2)	3,132	4.2 (13)
17Chippewa	277	54.5 (47)	270	29.3 (42)	135	39.3 (15)	266	15.8 (14)	273	5.1 (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.

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



Table 7F
2011 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)
19Mid-Mich	973	41.7 (24)	968	26.4 (34)	341	31.7 (36)	857	18.0 (22)	970	5.7 (29)
21Delta	373	46.9 (37)	348	30.5 (44)	136	30.1 (39)	333	19.8 (30)	349	3.4 (9)
22Iron	258	51.2 (43)	247	27.9 (38)	108	36.1 (22)	228	16.7 (17)	248	3.2 (7)
25Genesee	2,958	34.0 (11)	3,005	17.7 (13)	815	41.8 (13)	2,440	18.6 (24)	3,011	3.8 (10)
30HDI	486	37.9 (16)	476	18.9 (15)	157	38.2 (18)	455	22.6 (38)	476	5.0 (23)
32Huron	203	45.3 (32)	195	29.2 (40)	78	* *	180	26.1 (44)	196	6.1 (31)
33Ingham	1,968	34.0 (11)	1,886	16.3 (10)	534	41.2 (14)	1,729	16.1 (16)	1,890	4.4 (14)
35Keweenaw	67	* *	63	* *	40	* *	65	* *	63	* *
37Ionia	470	35.5 (14)	447	26.2 (33)	136	18.4 (43)	427	25.5 (43)	448	5.4 (26)
38Jackson	1,216	44.1 (29)	1,173	23.8 (26)	449	37.6 (19)	1,116	18.9 (25)	1,176	4.8 (19)
39Kalamazo	716	38.8 (20)	672	17.3 (12)	227	41.9 (12)	630	15.9 (15)	672	2.7 (4)
40Kal Fam	923	43.1 (25)	865	22.5 (22)	313	35.8 (25)	836	26.1 (44)	865	9.6 (46)
41Kent	4,813	28.5 (5)	4,637	14.0 (7)	1,125	39.2 (16)	4,336	9.5 (1)	4,635	2.4 (2)
43DHD#10	1,943	43.1 (25)	1,896	25.2 (31)	705	32.2 (33)	1,776	19.1 (26)	1,896	5.3 (25)
44Lapeer	509	39.9 (23)	496	23.4 (23)	172	35.5 (26)	446	20.2 (34)	498	6.8 (36)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one local agency's rate to other local agencies. Rank 1 = best rate.

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

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



Table 7F
2011 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)
45Tuscola	369	49.6 (40)	363	24.5 (27)	159	42.1 (11)	337	24.3 (40)	363	4.1 (12)
46CAA	652	29.1 (7)	644	21.1 (19)	154	25.3 (42)	514	12.8 (6)	565	6.4 (33)
47Livingst	582	43.1 (25)	552	20.8 (18)	195	52.8 (2)	444	13.1 (7)	554	2.5 (3)
50Macomb	2,861	30.3 (8)	2,035	11.6 (4)	487	45.6 (8)	2,485	13.7 (10)	2,035	3.0 (5)
51DCS	877	33.0 (10)	839	15.4 (9)	237	47.7 (5)	726	15.6 (13)	840	4.5 (15)
52Marquett	339	52.2 (46)	327	29.7 (43)	150	36.0 (23)	308	17.2 (19)	327	3.1 (6)
56MMCAA	463	43.6 (28)	454	24.9 (30)	176	33.0 (30)	420	17.6 (20)	452	4.9 (20)
58Monroe	844	44.4 (30)	804	26.1 (32)	295	33.9 (29)	744	13.4 (9)	804	6.5 (34)
61Muskegon	1,666	39.6 (21)	1,647	23.7 (25)	557	31.8 (35)	1,506	19.5 (28)	1,650	7.5 (39)
63Oakland	4,391	24.0 (3)	4,187	9.6 (3)	816	47.9 (4)	3,598	10.9 (3)	4,182	3.3 (8)
73Saginaw	1,202	38.0 (18)	1,174	15.3 (8)	387	47.0 (6)	1,090	21.7 (36)	1,161	8.4 (43)
74St Clair	1,013	49.1 (38)	953	26.5 (35)	401	37.2 (20)	940	25.0 (41)	957	7.6 (40)
76Sanilac	251	45.8 (33)	248	28.6 (39)	98	* *	226	19.9 (33)	246	4.5 (15)
78Shiawass	473	46.7 (36)	453	27.4 (37)	188	31.9 (34)	431	28.8 (47)	459	6.1 (31)
81Washtena	1,520	29.0 (6)	1,420	13.1 (6)	317	46.1 (7)	1,316	16.9 (18)	1,417	4.7 (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) Among women who smoked 3 months prior to pregnancy.

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



Table 7F
2011 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)
82Wayne	5,359	24.7 (4)	4,878	12.1 (5)	937	44.9 (9)	4,455	13.1 (7)	4,888	3.9 (11)
89Urban L	3,106	18.8 (1)	3,147	8.7 (2)	446	51.6 (3)	2,591	19.8 (30)	3,150	8.0 (41)
90Detroit	7,597	20.5 (2)	7,624	8.2 (1)	1,189	54.1 (1)	6,570	19.8 (30)	7,619	9.8 (47)
Unknown Local Agencies	69	* *	73	* *	9	* *	38	* *	73	* *
Michigan	64,049	32.8	61,427	16.9	16,751	39.5	55,787	16.8	61,403	5.5
Nation (Prior Year)	814,631	23.0	715,034	12.1	137,883	38.1	660,570	16.3	562,126	15.6

(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.



Table 8F
2011 Pregnancy Nutrition Surveillance ⁽¹⁾
Michigan
Comparison of Infant Health Indicators by Local Agency

Comparison of Infant Health Indicators ^(2, 3)										
Local Agency	Birthweight			Preterm (6)		Full Term LBW (7)		Ever Breastfed		
	Low (4)		High (5)							
	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	
01DHD#2	415	4.8 (1)	8.9 (35)	422	9.2 (5)	371	1.3 (1)	421	67.5 (23)	
02LMAS	165	5.5 (3)	6.1 (9)	166	10.2 (19)	143	3.5 (32)	164	68.3 (22)	
04DHD#4	398	6.8 (14)	10.3 (43)	406	7.9 (2)	361	3.3 (24)	399	57.6 (37)	
05NWMCHA	634	8.5 (33)	7.6 (20)	672	10.6 (25)	563	3.7 (37)	660	81.8 (1)	
06CMDHD	1,111	7.1 (18)	7.6 (20)	1,145	9.9 (12)	991	3.3 (24)	1,108	71.7 (11)	
07West UP	331	4.8 (1)	8.5 (30)	338	10.4 (23)	295	2.0 (3)	330	78.2 (4)	
08Barry	674	7.0 (17)	9.3 (37)	691	9.6 (7)	601	2.8 (13)	678	73.7 (8)	
09Bay	619	7.8 (26)	9.7 (40)	627	12.6 (40)	536	2.4 (6)	618	60.0 (33)	
10Gr Trav	526	7.6 (24)	10.6 (44)	549	10.2 (19)	469	3.0 (20)	525	81.1 (3)	
11Berrien	1,023	9.7 (42)	8.1 (27)	1,039	10.8 (27)	897	3.5 (32)	1,024	52.1 (44)	
12BHS	1,181	7.3 (20)	8.7 (33)	1,224	10.2 (19)	1,054	2.8 (13)	1,186	65.3 (26)	
13Calhoun	1,018	8.3 (31)	8.8 (34)	1,051	10.8 (27)	911	2.9 (18)	1,017	58.3 (36)	
14Leelanau	125	8.8 (34)	9.6 (39)	130	10.0 (14)	112	4.5 (44)	125	81.6 (2)	
15Inter-car	2,881	6.3 (7)	8.6 (31)	3,022	10.5 (24)	2,560	2.5 (7)	2,964	72.2 (10)	

- (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.



Table 8F
2011 Pregnancy Nutrition Surveillance ⁽¹⁾
Michigan
Comparison of Infant Health Indicators by Local Agency

Comparison of Infant Health Indicators ^(2, 3)									
Local Agency	Birthweight			Preterm (6)		Full Term LBW (7)		Ever Breastfed	
	Low (4)	High (5)		Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
	Number	% (Rank)	% (Rank)						
17Chippewa	247	6.5 (11)	15.0 (47)	254	9.1 (4)	222	3.6 (35)	247	68.8 (20)
19Mid-Mich	885	6.4 (8)	7.0 (16)	905	9.9 (12)	781	2.7 (10)	889	75.0 (7)
21Delta	324	6.8 (14)	8.6 (31)	333	12.0 (34)	281	2.1 (5)	323	66.3 (24)
22Iron	229	5.7 (4)	7.0 (16)	232	9.5 (6)	204	2.0 (3)	229	64.6 (27)
25Genesee	2,910	10.5 (44)	5.1 (3)	2,960	14.0 (44)	2,477	4.0 (40)	2,906	52.4 (43)
30HDI	434	9.4 (40)	5.3 (5)	445	14.2 (45)	371	4.3 (43)	434	56.5 (39)
32Huron	188	9.0 (37)	12.2 (46)	190	12.1 (38)	165	3.6 (35)	187	55.6 (40)
33Ingham	1,793	7.5 (23)	7.9 (25)	1,839	10.2 (19)	1,603	2.7 (10)	1,801	69.9 (15)
35Keweenaw	56	*	* * *	56	* *	49	* *	56	* *
37Ionia	423	6.1 (5)	7.6 (20)	427	9.8 (10)	380	2.9 (18)	424	69.1 (19)
38Jackson	1,134	8.9 (35)	8.1 (27)	1,143	12.9 (41)	978	3.0 (20)	1,132	63.9 (31)
39Kalamazo	648	6.8 (14)	9.3 (37)	651	10.0 (14)	572	2.8 (13)	652	70.2 (14)
40Kal Fam	784	9.4 (40)	6.5 (12)	828	13.4 (42)	670	2.7 (10)	798	64.2 (30)
41Kent	4,368	8.1 (28)	8.3 (29)	4,470	12.1 (38)	3,807	3.2 (23)	4,365	65.5 (25)

- (1) Reporting period is January 1 through December 31.
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- (3) Rank compares one local agency's rate to other local agencies. Rank 1 = best rate.
- (4) <2500 g.
- (5) >4000 g.
- (6) <37 weeks gestation.
- (7) 37 or more weeks gestation and <2500 g.
- * Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 8F
2011 Pregnancy Nutrition Surveillance ⁽¹⁾
Michigan
Comparison of Infant Health Indicators by Local Agency

Comparison of Infant Health Indicators ^(2, 3)									
Local Agency	Birthweight			Preterm (6)		Full Term LBW (7)		Ever Breastfed	
	Low (4)		High (5)						
	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
43DHD#10	1,764	6.5 (11)	9.8 (42)	1,793	9.8 (10)	1,581	2.8 (13)	1,766	72.6 (9)
44Lapeer	473	7.6 (24)	7.6 (20)	479	11.1 (29)	416	2.6 (8)	474	68.4 (21)
45Tuscola	341	9.1 (38)	7.9 (25)	346	11.8 (33)	299	3.7 (37)	340	54.7 (41)
46CAA	608	7.2 (19)	6.4 (10)	624	8.2 (3)	551	3.4 (29)	613	69.3 (18)
47Livingst	516	6.2 (6)	11.2 (45)	536	9.7 (8)	464	1.5 (2)	516	71.7 (11)
50Macomb	1,983	9.8 (43)	6.4 (10)	1,996	13.6 (43)	1,694	4.1 (41)	1,991	63.1 (32)
51DCS	805	7.8 (26)	5.1 (3)	818	12.0 (34)	697	3.3 (24)	815	70.3 (13)
52Marquett	314	6.4 (8)	8.9 (35)	317	10.1 (18)	281	2.8 (13)	314	77.1 (5)
56MMCAA	431	7.4 (21)	9.7 (40)	443	7.0 (1)	398	3.0 (20)	431	75.6 (6)
58Monroe	774	8.3 (31)	6.8 (15)	786	10.6 (25)	688	4.1 (41)	774	64.6 (27)
61Muskegon	1,566	8.9 (35)	5.9 (6)	1,611	12.0 (34)	1,372	3.9 (39)	1,568	54.6 (42)
63Oakland	4,017	9.2 (39)	6.5 (12)	4,111	11.3 (30)	3,545	3.4 (29)	4,040	57.0 (38)
73Saginaw	1,107	10.7 (45)	7.8 (24)	1,144	11.5 (31)	973	5.0 (45)	1,108	51.4 (45)
74St Clair	909	6.4 (8)	5.9 (6)	924	10.0 (14)	819	3.3 (24)	908	59.9 (34)

- (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.



Table 8F
2011 Pregnancy Nutrition Surveillance ⁽¹⁾
Michigan
Comparison of Infant Health Indicators by Local Agency

Comparison of Infant Health Indicators ^(2, 3)									
Local Agency	Birthweight			Preterm (6)		Full Term LBW (7)		Ever Breastfed	
	Low (4)		High (5)						
	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
76Sanilac	228	6.6 (13)	7.0 (16)	241	12.0 (34)	202	3.5 (32)	228	64.5 (29)
78Shiawass	437	8.2 (30)	5.9 (6)	441	11.6 (32)	383	2.6 (8)	437	69.6 (17)
81Washtena	1,354	8.1 (28)	7.5 (19)	1,382	10.0 (14)	1,210	3.3 (24)	1,359	69.8 (16)
82Wayne	4,587	7.4 (21)	6.6 (14)	4,775	9.7 (8)	4,100	3.4 (29)	4,681	59.4 (35)
89Urban L	2,984	11.8 (47)	4.5 (1)	3,024	15.4 (47)	2,473	5.5 (47)	2,989	37.3 (47)
90Detroit	7,262	11.4 (46)	5.0 (2)	7,448	14.4 (46)	6,159	5.2 (46)	7,330	46.3 (46)
Unknown Local Agencies	56	* * *	* *	69	* *	51	* *	58	* *
Michigan	58,040	8.6	7.1	59,523	11.7	50,780	3.6	58,402	60.5
Nation (Prior Year)	880,933	8.0	6.7	948,286	10.7	749,107	3.4	871,811	68.2

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



Table 3F
2009 - 2011 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	1,374	95.0	0.5	2.1	0.2	0.1	1.9	0.1
02LMAS	675	76.1	0.7	0.7	4.1	1.0	16.9	0.3
04DHD#4	1,435	92.4	0.4	1.0	0.1	0.9	4.7	0.4
05NWMCHA	2,270	91.0	0.4	1.8	1.0	0.5	5.3	0.0
06CMDHD	4,025	92.8	1.5	1.8	0.5	0.3	2.3	0.7
07West UP	1,214	93.1	0.4	1.2	0.6	2.6	1.4	0.7
08Barry	2,501	91.2	2.6	4.0	0.1	0.6	1.0	0.5
09Bay	2,223	83.4	2.1	9.4	0.2	0.2	4.1	0.6
10Gr Trav	1,818	90.8	0.9	3.7	0.7	0.8	2.2	0.9
11Berrien	3,675	52.2	38.2	5.1	0.2	1.2	1.8	1.4
12BHS	4,224	83.3	1.6	11.6	0.0	0.4	2.0	1.0
13Calhoun	3,641	65.4	19.1	7.7	0.2	3.0	3.8	0.9
14Leelanau	524	71.6	0.6	17.9	4.0	0.4	4.4	1.1
15Inter-car	10,964	63.2	3.7	26.5	0.2	1.8	1.6	3.0
17Chippewa	932	62.9	0.3	1.5	19.2	1.1	14.6	0.4
19Mid-Mich	3,235	90.8	0.5	6.3	0.1	0.6	1.3	0.4
21Delta	1,156	90.2	0.0	1.7	1.0	0.2	5.6	1.2
22Iron	822	91.7	0.2	2.3	0.0	0.2	4.0	1.5
25Genesee	9,755	54.4	39.7	3.2	0.1	0.3	1.9	0.4
30HDI	1,705	14.3	55.0	28.7	0.0	0.8	1.1	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.



Table 3F
2009 - 2011 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 %
32Huron	697	94.4	0.1	2.9	0.0	0.9	0.9	0.9
33Ingham	6,330	49.2	26.4	14.5	0.2	4.7	4.0	0.9
35Keweenaw	190	13.2	0.0	1.1	61.6	0.0	24.2	0.0
37Ionia	1,386	90.8	0.4	6.9	0.0	0.5	1.4	0.0
38Jackson	4,088	76.7	12.7	5.4	0.1	0.6	4.2	0.2
39Kalamazo	2,565	69.1	17.2	6.6	0.1	1.7	4.6	0.7
40Kal Fam	2,745	42.0	40.6	11.3	0.3	0.9	4.5	0.4
41Kent	15,308	46.7	20.3	26.5	0.2	2.4	3.4	0.4
43DHD#10	6,601	82.6	1.3	11.6	0.2	0.3	2.8	1.1
44Lapeer	1,643	89.7	0.4	4.5	0.0	0.3	4.4	0.7
45Tuscola	1,154	94.2	0.6	3.6	0.0	0.0	1.4	0.3
46CAA	2,014	79.3	1.2	15.4	0.0	0.1	1.9	1.9
47Livingst	1,737	92.1	0.7	3.9	0.1	1.2	1.2	0.9
50Macomb	8,335	64.8	24.9	2.6	0.1	3.9	3.2	0.6
51DCS	2,844	72.9	8.9	12.2	0.1	1.6	3.6	0.7
52Marquett	1,159	88.9	1.1	1.4	1.2	0.5	6.3	0.6
56MMCAA	1,465	93.4	1.2	2.0	0.3	0.8	1.8	0.5
58Monroe	2,811	87.2	4.4	4.6	0.2	0.3	2.0	1.3
61Muskegon	5,448	61.9	25.5	7.6	0.2	0.3	4.0	0.5
63Oakland	13,721	52.4	32.0	10.4	0.1	2.4	2.2	0.4

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

(2) Excludes data with errors.

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



Table 3F
2009 - 2011 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 %
73Saginaw	3,806	57.0	27.7	12.3	0.1	0.5	1.7	0.7
74St Clair	3,148	86.4	4.2	4.8	0.0	0.3	3.6	0.7
76Sanilac	874	92.6	0.0	5.5	0.1	0.2	0.7	0.9
78Shiawass	1,494	92.2	0.1	4.6	0.0	0.0	2.4	0.7
81Washtena	4,853	42.9	37.4	9.0	0.5	4.9	5.0	0.2
82Wayne	15,445	66.4	23.1	4.3	0.1	3.3	2.5	0.3
89Urban L	8,795	16.9	68.5	9.9	0.1	2.6	1.9	0.1
90Detroit	27,175	8.1	77.0	12.4	0.1	1.3	1.0	0.1
Unknown Local Agencies	242	26.4	16.1	14.0	10.7	4.5	19.0	9.1
Michigan	206,241	56.9	27.4	10.3	0.3	1.7	2.7	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.



Table 4F
2009 - 2011 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	1,374	0.1	5.4	12.2	65.3	15.5	1.5	0.1
02LMAS	675	0.0	4.9	12.6	62.5	18.5	1.5	0.0
04DHD#4	1,435	0.2	4.2	13.5	62.6	18.7	0.7	0.0
05NWMCHA	2,270	0.1	4.7	12.7	64.0	17.3	1.2	0.0
06CMDHD	4,025	0.2	5.5	13.0	64.7	15.0	1.3	0.2
07West UP	1,214	0.1	3.5	9.8	63.7	21.1	1.9	0.0
08Barry	2,501	0.1	5.0	12.3	65.2	16.5	1.0	0.0
09Bay	2,223	0.1	5.5	12.9	61.4	18.7	1.3	0.0
10Gr Trav	1,818	0.3	4.8	10.8	62.6	19.6	1.4	0.5
11Berrien	3,675	0.3	7.6	14.4	60.0	16.3	1.3	0.1
12BHS	4,224	0.3	5.5	12.2	65.3	15.6	1.1	0.0
13Calhoun	3,641	0.2	6.5	13.9	63.9	14.4	0.9	0.2
14Leelanau	524	0.2	7.3	9.9	59.9	19.8	2.3	0.6
15Intercar	10,964	0.2	5.9	12.0	61.4	19.1	1.3	0.1
17Chippewa	932	0.0	4.3	12.3	66.1	16.3	1.0	0.0
19Mid-Mich	3,235	0.1	4.8	14.0	65.4	14.5	1.0	0.2
21Delta	1,156	0.1	3.8	10.7	66.3	18.0	1.0	0.1
22Iron	822	0.6	5.0	11.3	64.8	17.6	0.6	0.0
25Genesee	9,755	0.3	6.8	14.6	61.0	16.2	1.1	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.



Table 4F
2009 - 2011 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 %
30HDI	1,705	0.7	9.6	15.5	56.3	16.6	1.1	0.2
32Huron	697	0.3	1.9	10.8	63.8	21.4	1.9	0.0
33Ingham	6,330	0.3	5.4	12.1	62.7	18.2	1.2	0.1
35Keweenaw	190	0.5	6.3	15.3	62.6	14.7	0.5	0.0
37Ionia	1,386	0.2	5.7	13.5	67.0	12.3	1.2	0.1
38Jackson	4,088	0.3	6.0	14.3	63.1	14.5	1.0	0.7
39Kalamazo	2,565	0.3	5.4	11.8	63.4	18.1	0.8	0.1
40Kal Fam	2,745	0.3	8.5	13.7	60.9	15.2	1.5	0.0
41Kent	15,308	0.3	5.5	11.6	59.8	20.4	1.3	1.2
43DHD#10	6,601	0.2	5.7	13.7	63.5	15.7	1.1	0.0
44Lapeer	1,643	0.1	3.7	12.5	63.9	18.7	1.2	0.0
45Tuscola	1,154	0.2	4.6	11.9	64.0	18.6	0.7	0.1
46CAA	2,014	0.1	6.0	13.4	62.6	16.5	1.3	0.0
47Livingst	1,737	0.1	3.2	10.1	62.8	22.5	1.4	0.0
50Macomb	8,335	0.1	3.7	9.6	60.4	24.5	1.6	0.0
51DCS	2,844	0.0	3.1	9.1	59.7	25.5	2.5	0.0
52Marquett	1,159	0.0	3.1	9.4	69.6	17.3	0.4	0.2
56MMCAA	1,465	0.0	4.1	12.2	67.2	15.8	0.7	0.0
58Monroe	2,811	0.2	6.5	13.4	62.1	16.7	1.0	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.



Table 4F
2009 - 2011 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 %
61Muskegon	5,448	0.3	6.7	13.5	63.9	14.8	0.8	0.0
63Oakland	13,721	0.2	4.0	10.4	59.5	23.9	1.9	0.1
73Saginaw	3,806	0.3	5.8	13.7	61.4	17.6	1.1	0.1
74St Clair	3,148	0.2	5.0	13.4	65.0	15.7	0.8	0.0
76Sanilac	874	0.1	4.5	11.3	63.3	18.9	1.6	0.3
78Shiawass	1,494	0.1	5.1	13.0	63.9	16.6	1.3	0.0
81Washtena	4,853	0.1	4.5	10.0	60.7	23.0	1.6	0.2
82Wayne	15,445	0.2	4.0	10.1	60.0	22.2	2.0	1.7
89Urban L	8,795	0.5	6.9	13.7	56.2	21.1	1.5	0.1
90Detroit	27,175	0.4	6.9	14.2	55.9	20.6	1.8	0.2
Unknown Local Agencies	242	0.0	2.5	3.7	53.3	38.4	1.7	0.4
Michigan	206,241	0.2	5.5	12.4	60.9	19.2	1.4	0.3

(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.



Table 5F
2009 - 2011 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)	Number	(Rank)	Number	(Rank)	Number	(Rank)
01DHD#2	1,281	4.3 (26)	56.7 (45)	1,087	24.9 (45)	49.5 (18)	126	27.8 (17)	202	22.8 (21)	1,145	7.4 (32)	1,147	10.6 (25)
02LMAS	659	3.9 (10)	55.7 (40)	561	25.1 (46)	47.1 (11)	43	* *	108	23.1 (23)	549	7.1 (28)	548	13.5 (47)
04DHD#4	1,403	5.1 (40)	53.4 (19)	1,240	18.0 (17)	51.0 (26)	165	23.0 (6)	271	20.3 (13)	1,214	6.3 (19)	1,215	10.6 (25)
05NWMCHA	1,838	3.9 (10)	53.4 (19)	1,509	21.6 (37)	45.9 (5)	182	20.9 (4)	203	22.2 (20)	1,949	4.9 (4)	1,950	9.0 (9)
06CMDHD	3,820	5.4 (45)	54.2 (26)	3,307	19.6 (27)	51.6 (31)	409	25.9 (13)	687	20.8 (15)	3,665	5.3 (8)	3,667	9.5 (15)
07West UP	1,142	3.2 (2)	48.6 (1)	1,005	20.5 (33)	48.7 (17)	128	25.8 (12)	225	11.1 (2)	1,009	7.8 (37)	1,010	11.6 (37)
08Barry	2,393	4.1 (20)	55.0 (34)	2,026	14.1 (1)	56.1 (48)	301	21.3 (5)	413	19.4 (12)	2,273	6.1 (18)	2,277	9.1 (10)
09Bay	1,973	4.6 (33)	55.0 (34)	1,674	21.0 (36)	49.6 (19)	242	31.4 (21)	383	23.5 (24)	1,947	8.5 (42)	1,950	11.0 (33)
10Gr Trav	1,721	4.2 (22)	50.6 (7)	1,475	17.8 (16)	52.1 (36)	183	32.2 (24)	267	21.0 (16)	1,556	4.4 (2)	1,556	9.1 (10)
11Berrien	3,320	5.1 (40)	54.2 (26)	2,830	18.0 (17)	53.9 (44)	555	44.9 (38)	704	34.1 (43)	3,270	4.6 (3)	3,268	6.9 (2)
12BHS	3,748	4.8 (38)	54.8 (33)	3,078	19.4 (25)	49.8 (20)	503	26.0 (14)	677	30.1 (40)	3,807	7.5 (33)	3,808	7.9 (5)
13Calhoun	3,465	3.9 (10)	55.1 (36)	2,938	19.2 (24)	51.5 (30)	535	36.4 (29)	436	28.9 (37)	3,255	5.6 (10)	3,251	10.3 (23)
14Leelanau	497	3.0 (1)	61.8 (48)	400	23.5 (41)	46.3 (8)	48	* *	70	* *	414	6.3 (19)	413	10.2 (22)
15InterCar	9,034	4.0 (15)	54.6 (32)	5,850	24.8 (44)	45.4 (4)	1,205	40.9 (34)	1,603	29.4 (39)	9,557	7.3 (31)	9,570	9.4 (14)
17Chippewa	904	4.2 (22)	53.9 (25)	758	19.7 (28)	51.2 (29)	80	* *	162	23.5 (24)	758	5.7 (12)	758	10.0 (20)
19Mid-Mich	2,984	5.1 (40)	55.1 (36)	2,524	17.2 (14)	51.0 (26)	397	15.9 (1)	867	16.1 (6)	2,960	5.9 (15)	2,958	11.5 (36)
21Delta	1,109	4.1 (20)	50.5 (5)	986	24.5 (42)	46.9 (10)	92	* *	218	12.4 (3)	943	9.2 (46)	943	11.9 (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) 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.



Table 5F
2009 - 2011 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	783	4.0 (15)	49.0 (2)	670	21.9 (38)	47.5 (13)	57	* *	106	17.0 (9)	651	4.1 (1)	652	11.8(38)
25Genesee	9,242	5.3 (44)	53.3 (18)	6,742	18.4 (20)	51.1 (28)	1,825	42.9 (35)	2,549	30.9(41)	7,459	7.9 (39)	7,450	12.6(43)
30HDI	1,609	3.2 (2)	62.3 (49)	1,289	25.7 (47)	43.9 (2)	173	43.4 (36)	877	31.6(42)	1,412	5.2 (6)	1,414	9.1(10)
32Huron	661	4.4 (28)	54.5 (31)	580	20.7 (34)	52.2 (37)	75	* *	100	25.0(28)	592	8.8 (43)	595	9.2(13)
33Ingham	5,882	4.0 (15)	54.4 (29)	4,828	15.9 (6)	54.8 (47)	999	28.3 (18)	1,173	21.9(19)	5,677	5.2 (6)	5,678	10.5(24)
35Keweenaw	187	3.7 (7)	55.6 (39)	171	24.6 (43)	46.2 (7)	26	* *	46	* *	164	4.9 (4)	164	12.2(40)
37Ionia	1,179	4.9 (39)	52.5 (16)	930	19.5 (26)	51.9 (34)	155	23.9 (10)	187	13.9 (4)	1,262	5.8 (13)	1,262	7.6(4)
38Jackson	3,817	4.5 (30)	50.9 (10)	3,216	17.0 (12)	52.3 (39)	463	32.0 (23)	407	25.8(32)	3,697	5.5 (9)	3,696	9.6(16)
39Kalamazo	2,429	4.4 (28)	56.1 (42)	1,996	16.3 (8)	54.1 (45)	347	40.3 (33)	477	27.9(35)	2,297	9.6 (48)	2,296	8.0(6)
40Kal Fam	2,363	4.2 (22)	55.1 (36)	1,914	27.0 (48)	46.8 (9)	285	46.3 (39)	374	34.8(44)	2,461	8.8 (43)	2,462	8.8(8)
41Kent	13,088	3.8 (9)	53.7 (23)	9,225	23.0 (39)	46.1 (6)	1,999	34.2 (26)	2,549	26.4(33)	14,028	6.0 (16)	14,035	9.9(19)
43DHD#10	6,175	4.0 (15)	55.9 (41)	5,393	20.0 (30)	52.2 (37)	598	28.9 (19)	1,350	23.0(22)	5,491	6.3 (19)	5,491	10.8(28)
44Lapeer	1,603	6.1 (49)	52.1 (12)	1,385	16.6 (10)	51.7 (33)	185	24.3 (11)	334	20.7(14)	1,388	7.8 (37)	1,389	12.4(41)
45Tuscola	1,086	4.3 (26)	54.4 (29)	974	20.3 (31)	47.3 (12)	105	23.8 (8)	154	6.5 (1)	1,030	8.0 (40)	1,031	9.7(18)
46CAA	1,791	4.7 (34)	53.8 (24)	1,549	23.0 (39)	44.2 (3)	316	23.4 (7)	417	25.2(29)	1,807	7.6 (34)	1,809	11.4(34)
47Livingst	1,704	3.7 (7)	50.6 (7)	1,513	15.3 (3)	57.6 (49)	269	18.2 (2)	553	14.6 (5)	1,562	7.7 (36)	1,564	12.4(41)
50Macomb	8,069	4.5 (30)	54.2 (26)	3,548	15.2 (2)	53.2 (43)	1,593	37.7 (31)	1,570	21.5(18)	3,699	8.0 (40)	3,708	10.9(29)

(1) Reporting period is January 1 through December 31.
(2) Excludes records with unknown data or errors.
(3) Rank compares one local agency's rate to other local agencies. Rank 1 = best rate.
(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).
(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).
(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.
* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 5F
2009 - 2011 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	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%
	(Rank)	(Rank)		(Rank)	(Rank)		(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	
51DCS	2,712	3.6 (6)	50.5 (5)	2,249	15.3 (3)	52.7 (40)	470	30.6 (20)	1,068	25.7 (31)	2,475	7.1 (28)	2,478	10.9 (29)
52Marquett	1,086	3.4 (4)	51.4 (11)	948	17.6 (15)	50.2 (21)	128	26.6 (15)	272	16.9 (8)	939	7.1 (28)	937	10.9 (29)
56MMCAA	1,404	4.7 (34)	53.4 (19)	1,252	15.6 (5)	54.3 (46)	159	18.9 (3)	224	28.1 (36)	1,291	7.0 (27)	1,290	12.6 (43)
58Monroe	2,616	5.6 (46)	52.7 (17)	2,228	20.3 (31)	52.9 (42)	352	31.5 (22)	538	21.2 (17)	2,494	6.3 (19)	2,496	14.6 (48)
61Muskegon	4,875	3.9 (10)	56.2 (43)	4,227	19.1 (22)	50.7 (24)	565	35.4 (27)	365	24.7 (26)	4,952	7.6 (34)	4,940	12.6 (43)
63Oakland	13,271	4.2 (22)	53.6 (22)	11,519	16.3 (8)	51.9 (34)	2,409	33.0 (25)	3,757	24.9 (27)	12,124	6.9 (25)	12,147	11.4 (34)
73Saginaw	3,226	4.0 (15)	56.4 (44)	2,558	18.8 (21)	50.6 (23)	496	36.9 (30)	446	25.3 (30)	3,253	6.7 (23)	3,250	10.9 (29)
74St Clair	3,025	4.7 (34)	49.9 (4)	2,605	16.6 (10)	51.6 (31)	415	27.7 (16)	962	19.1 (11)	2,711	8.9 (45)	2,708	10.1 (21)
76Sanilac	848	5.9 (48)	52.4 (15)	738	17.1 (13)	48.4 (16)	84	* *	153	17.6 (10)	759	9.5 (47)	760	8.4 (7)
78Shiawass	1,458	5.8 (47)	52.3 (14)	1,267	16.1 (7)	52.8 (41)	172	23.8 (8)	225	16.4 (7)	1,349	5.6 (10)	1,347	6.0 (1)
81Washtena	4,513	4.5 (30)	52.2 (13)	3,565	19.7 (28)	47.5 (13)	775	39.5 (32)	1,205	29.1 (38)	4,263	6.8 (24)	4,270	9.6 (16)
82Wayne	14,115	4.7 (34)	50.7 (9)	8,059	18.3 (19)	50.4 (22)	3,224	35.5 (28)	3,551	27.8 (34)	10,581	6.9 (25)	10,592	7.4 (3)
89Urban L	7,961	3.5 (5)	59.2 (47)	6,682	20.7 (34)	48.1 (15)	1,311	52.6 (40)	1,204	45.5 (46)	7,821	5.8 (13)	7,839	10.7 (27)
90Detroit	25,764	3.9 (10)	58.1 (46)	21,869	19.1 (22)	50.7 (24)	4,423	44.8 (37)	6,678	38.3 (45)	24,634	6.0 (16)	24,654	12.7 (46)
Unknown Local Agencies	153	5.2 (43)	49.7 (3)	109	31.2 (49)	40.4 (1)	17	* *	54	* *	136	16.9 (49)	135	22.2 (49)
Michigan	189,986	4.3	54.4	149,046	19.2	50.4	29,664	36.1	41,421	27.9	174,730	6.6	174,828	10.6

(1) Reporting period is January 1 through December 31.
(2) Excludes records with unknown data or errors.
(3) Rank compares one local agency's rate to other local agencies. Rank 1 = best rate.
(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).
(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).
(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.
* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 6F
2009 - 2011 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		Pregpancy ⁽⁴⁾		During Pregpancy ⁽⁵⁾	
	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
01DHD#2	1,273	87.8 (10)	6.4 (23)	1,339	50.0 (6)	880	24.2 (17)	881	86.8 (21)
02LMAS	600	83.7 (25)	9.2 (32)	657	62.6 (1)	415	20.0 (28)	446	80.3 (36)
04DHD#4	1,337	89.2 (5)	5.8 (21)	1,409	47.6 (11)	943	24.8 (15)	916	89.7 (11)
05NWMCHA	2,133	80.8 (33)	13.9 (44)	2,226	53.0 (4)	1,566	32.1 (1)	1,470	82.2 (32)
06CMDHD	3,721	81.1 (32)	12.4 (42)	3,947	46.3 (15)	3,048	21.4 (21)	3,003	87.7 (17)
07West UP	1,098	83.0 (29)	8.7 (31)	1,197	42.7 (27)	862	29.4 (7)	755	90.6 (6)
08Barry	2,262	88.5 (8)	5.0 (18)	2,461	41.8 (28)	1,902	19.9 (29)	1,973	84.3 (27)
09Bay	2,054	81.9 (30)	11.2 (37)	2,185	48.7 (9)	1,533	20.5 (26)	1,557	84.1 (28)
10Gr Trav	1,627	69.8 (49)	23.9 (49)	1,789	46.8 (12)	1,185	29.9 (6)	1,152	86.6 (22)
11Berrien	3,223	81.2 (31)	4.1 (11)	3,614	36.4 (36)	2,589	13.3 (45)	2,702	89.7 (11)
12BHS	3,671	79.5 (38)	11.9 (40)	4,155	44.7 (21)	3,421	16.7 (40)	3,276	76.4 (43)
13Calhoun	3,251	84.4 (24)	8.0 (30)	3,593	40.8 (33)	2,612	26.8 (8)	2,947	79.7 (38)
14Leelanau	447	73.8 (47)	14.5 (46)	515	53.4 (3)	322	32.0 (2)	323	72.8 (46)
15Inter-car	9,357	87.9 (9)	4.7 (16)	10,780	41.8 (28)	7,403	20.2 (27)	8,049	80.5 (35)
17Chippewa	830	78.1 (41)	14.1 (45)	914	53.7 (2)	445	31.7 (3)	572	73.6 (45)
19Mid-Mich	2,988	89.0 (6)	4.3 (13)	3,176	42.9 (25)	2,402	18.9 (32)	2,327	87.3 (19)
21Delta	1,032	86.4 (16)	7.6 (27)	1,134	46.2 (16)	706	26.5 (9)	694	88.2 (15)
22Iron	740	89.9 (4)	3.2 (6)	805	53.0 (4)	472	31.4 (4)	483	88.2 (15)
25Genesee	7,603	83.2 (28)	3.2 (6)	9,640	26.6 (45)	5,739	8.0 (49)	6,282	80.2 (37)
30HDI	1,504	77.5 (43)	7.7 (28)	1,662	49.9 (7)	1,134	8.3 (48)	1,122	72.1 (47)

(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 week 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.



Table 6F
2009 - 2011 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		Pregpregnancy ⁽⁴⁾		During Pregpregnancy ⁽⁵⁾	
	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
32Huron	649	85.7 (18)	7.7 (28)	687	43.2 (24)	504	22.2 (19)	460	90.2 (7)
33Ingham	5,616	83.6 (27)	6.2 (22)	6,257	32.6 (39)	5,097	17.4 (37)	5,121	87.0 (20)
35Keweenaw	180	88.9 (7)	0.6 (1)	182	40.1 (34)	136	17.6 (36)	127	92.1 (3)
37Ionia	1,275	95.5 (1)	1.3 (2)	1,368	45.0 (20)	1,045	11.5 (46)	1,024	93.4 (2)
38Jackson	3,649	86.3 (17)	5.5 (19)	4,006	45.6 (19)	2,608	20.9 (23)	3,408	75.5 (44)
39Kalamazo	2,300	85.7 (18)	7.3 (25)	2,534	41.1 (32)	2,101	17.0 (38)	1,918	84.6 (26)
40Kal Fam	2,471	76.0 (46)	12.1 (41)	2,686	46.6 (13)	2,222	14.0 (43)	2,097	69.3 (48)
41Kent	13,989	80.1 (36)	10.0 (36)	15,077	38.3 (35)	11,717	19.0 (31)	11,765	86.0 (24)
43DHD#10	5,888	83.7 (25)	9.2 (32)	6,468	46.5 (14)	3,920	30.9 (5)	4,227	86.0 (24)
44Lapeer	1,484	80.8 (33)	11.7 (39)	1,615	36.0 (37)	1,001	21.1 (22)	1,003	80.9 (34)
45Tuscola	1,093	79.2 (39)	13.6 (43)	1,130	48.4 (10)	833	24.8 (15)	772	91.8 (4)
46CAA	1,824	86.7 (14)	3.9 (9)	1,984	31.1 (41)	986	18.2 (35)	1,362	90.1 (8)
47Livingst	1,585	87.1 (13)	6.8 (24)	1,713	29.7 (42)	1,269	25.2 (14)	1,108	89.8 (10)
50Macomb	3,780	87.6 (12)	3.4 (8)	8,283	31.9 (40)	4,154	22.4 (18)	6,099	89.0 (14)
51DCS	2,527	90.3 (3)	2.8 (5)	2,809	28.6 (43)	1,366	26.4 (10)	1,806	89.6 (13)
52Marquett	1,030	92.2 (2)	3.9 (9)	1,150	44.6 (22)	704	25.7 (11)	692	89.9 (9)
56MMCAA	1,381	85.6 (20)	9.3 (34)	1,439	41.6 (30)	1,054	25.7 (11)	970	95.1 (1)
58Monroe	2,530	79.7 (37)	9.6 (35)	2,778	41.3 (31)	2,179	20.7 (25)	1,960	90.7 (5)
61Muskegon	4,928	87.8 (10)	4.1 (11)	5,373	49.5 (8)	3,585	18.8 (33)	4,040	77.1 (42)
63Oakland	12,383	85.5 (22)	4.6 (14)	13,593	26.6 (45)	7,215	16.9 (39)	8,847	86.5 (23)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one local agency's rate to other local agencies. Rank 1 = best rate.

(4) Women who reported taking a multivitamin four times a week 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.



Table 6F
2009 - 2011 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)
73Saginaw	3,426	77.5 (43)	11.5 (38)	3,744	42.8 (26)	2,744	13.8 (44)	2,551	79.3 (39)
74St Clair	2,757	77.8 (42)	14.7 (47)	3,121	45.8 (18)	1,787	20.8 (24)	2,242	79.1 (40)
76Sanilac	774	85.4 (23)	7.5 (26)	864	44.3 (23)	447	25.7 (11)	575	78.4 (41)
78Shiawass	1,350	76.7 (45)	15.5 (48)	1,472	46.0 (17)	1,200	18.6 (34)	1,089	83.3 (29)
81Washtena	4,341	85.6 (20)	4.6 (14)	4,796	33.7 (38)	3,746	21.9 (20)	3,425	83.2 (30)
82Wayne	10,675	86.5 (15)	4.7 (16)	15,265	27.0 (44)	9,398	16.5 (41)	11,093	87.7 (17)
89Urban L	8,110	80.3 (35)	2.3 (3)	8,573	26.6 (45)	4,246	9.7 (47)	5,806	82.5 (31)
90Detroit	24,959	78.2 (40)	2.7 (4)	26,708	22.9 (49)	14,750	16.0 (42)	18,099	81.4 (33)
Unknown Local Agencies	160	70.6 (48)	5.6 (20)	234	25.2 (48)	131	19.8 (30)	89	* *
Michigan	177,865	82.9	6.4	203,107	35.6	131,724	18.8	144,705	83.8

(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) Women who reported taking a multivitamin four times a week 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.



Table 7F
2009 - 2011 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	1,225	53.7 (47)	1,282	34.6 (48)	509	28.5 (42)	879	26.6 (46)	1,156	8.3 (42)
02LMAS	620	52.7 (46)	604	32.8 (47)	268	25.4 (46)	443	23.9 (42)	552	7.8 (40)
04DHD#4	1,309	54.9 (48)	1,334	31.7 (45)	581	31.8 (36)	915	24.2 (43)	1,225	7.6 (39)
05NWMCHA	2,116	47.8 (38)	2,161	27.3 (36)	818	34.5 (22)	1,466	22.9 (41)	1,960	8.5 (44)
06CMDHD	3,613	51.0 (42)	3,742	32.1 (46)	1,608	28.0 (43)	2,998	28.1 (47)	3,728	10.8 (48)
07West UP	1,101	46.3 (33)	1,114	24.2 (23)	388	37.1 (17)	750	11.9 (4)	1,015	1.8 (2)
08Barry	2,236	40.7 (23)	2,297	21.9 (18)	772	36.4 (19)	1,974	17.3 (18)	2,286	6.0 (28)
09Bay	2,067	50.1 (41)	2,064	27.2 (35)	868	33.5 (29)	1,557	20.6 (32)	1,963	5.5 (22)
10Gr Trav	1,634	45.0 (28)	1,664	21.8 (17)	580	41.0 (10)	1,151	12.3 (6)	1,567	4.5 (12)
11Berrien	3,187	39.2 (18)	3,297	21.3 (15)	999	33.7 (27)	2,704	21.6 (36)	3,293	6.7 (33)
12BHS	3,736	40.0 (20)	3,871	25.2 (26)	1,254	26.4 (45)	3,274	18.1 (22)	3,860	4.9 (18)
13Calhoun	3,243	41.8 (24)	3,275	23.8 (22)	1,136	29.6 (40)	2,942	19.2 (26)	3,273	4.8 (16)
14Leelanau	474	39.2 (18)	451	21.7 (16)	143	38.5 (15)	323	17.6 (19)	416	7.5 (38)
15InterCar	9,488	32.2 (8)	9,643	17.5 (12)	2,662	36.6 (18)	8,067	11.1 (2)	9,611	3.9 (10)
17Chippewa	839	52.3 (45)	850	30.5 (43)	346	32.1 (35)	576	18.4 (24)	763	5.6 (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.

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



Table 7F
2009 - 2011 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)
19Mid-Mich	2,878	43.5 (25)	2,991	25.8 (29)	1,079	32.6 (33)	2,315	16.8 (15)	2,977	5.8 (26)
21Delta	1,031	48.5 (39)	1,055	28.1 (38)	376	33.0 (30)	692	17.9 (20)	949	3.8 (7)
22Iron	741	51.4 (44)	747	30.7 (44)	289	29.4 (41)	483	16.6 (14)	657	4.9 (18)
25Genesee	8,739	36.3 (14)	7,635	17.9 (13)	2,093	40.5 (11)	6,272	21.4 (35)	7,471	4.7 (14)
30HDI	1,522	32.7 (10)	1,525	17.2 (11)	404	34.4 (23)	1,118	22.2 (38)	1,428	6.0 (28)
32Huron	621	45.9 (31)	647	27.0 (33)	239	31.8 (36)	460	21.7 (37)	605	5.1 (21)
33Ingham	5,682	34.9 (13)	5,724	17.0 (10)	1,608	40.0 (12)	5,110	16.9 (16)	5,700	4.7 (14)
35Keweenaw	168	65.5 (49)	179	49.7 (49)	87	* *	127	15.0 (11)	164	1.2 (1)
37Ionia	1,273	36.4 (16)	1,280	25.9 (30)	392	18.9 (47)	1,023	28.8 (48)	1,277	5.6 (24)
38Jackson	3,682	45.3 (29)	3,687	26.3 (32)	1,443	32.3 (34)	3,409	21.3 (34)	3,685	6.1 (31)
39Kalamazo	2,351	36.3 (14)	2,319	19.4 (14)	729	35.7 (20)	1,920	15.8 (12)	2,317	3.7 (5)
40Kal Fam	2,508	40.6 (22)	2,488	22.6 (20)	839	32.7 (32)	2,094	24.9 (44)	2,479	10.6 (47)
41Kent	13,968	27.9 (5)	14,183	14.2 (6)	3,282	39.2 (14)	11,750	10.5 (1)	14,128	2.9 (4)
43DHD#10	5,894	44.4 (26)	6,007	27.0 (33)	2,068	30.3 (38)	4,208	19.7 (29)	5,540	6.0 (28)
44Lapeer	1,454	44.6 (27)	1,506	25.3 (28)	522	35.1 (21)	1,013	19.3 (28)	1,401	7.4 (36)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one local agency's rate to other local agencies. Rank 1 = best rate.

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

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



Table 7F
2009 - 2011 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)
45Tuscola	1,050	47.7 (37)	1,101	25.2 (26)	419	39.6 (13)	772	22.2 (38)	1,030	4.8 (16)
46CAA	1,753	32.5 (9)	1,836	22.2 (19)	477	27.0 (44)	1,270	12.2 (5)	1,630	5.5 (22)
47Livingst	1,536	46.9 (36)	1,587	24.8 (25)	587	44.5 (7)	1,113	14.6 (10)	1,581	4.6 (13)
50Macomb	7,801	33.4 (11)	3,823	11.1 (3)	847	48.5 (3)	6,053	14.5 (9)	3,717	3.8 (7)
51DCS	2,447	34.2 (12)	2,555	16.1 (8)	669	48.0 (4)	1,809	13.7 (8)	2,493	4.3 (11)
52Marquett	1,049	51.0 (42)	1,054	28.5 (40)	413	33.7 (27)	693	16.0 (13)	941	2.6 (3)
56MMCAA	1,301	46.3 (33)	1,380	24.6 (24)	493	34.1 (24)	968	18.7 (25)	1,292	5.0 (20)
58Monroe	2,517	45.6 (30)	2,541	26.2 (31)	935	33.9 (25)	1,958	16.9 (16)	2,519	6.7 (33)
61Muskegon	4,886	40.1 (21)	5,018	23.4 (21)	1,703	33.8 (26)	4,052	18.0 (21)	4,990	7.4 (36)
63Oakland	12,030	25.1 (3)	12,543	11.2 (4)	2,371	45.7 (5)	8,842	11.1 (2)	12,199	3.8 (7)
73Saginaw	3,421	36.5 (17)	3,518	16.5 (9)	1,025	45.4 (6)	2,541	20.8 (33)	3,275	8.6 (45)
74St Clair	2,941	49.5 (40)	2,812	27.4 (37)	1,184	37.8 (16)	2,229	22.8 (40)	2,726	8.0 (41)
76Sanilac	782	46.3 (33)	798	28.1 (38)	307	32.9 (31)	576	20.1 (30)	764	6.2 (32)
78Shiawass	1,364	46.2 (32)	1,356	29.2 (42)	529	29.9 (39)	1,088	25.1 (45)	1,361	5.9 (27)
81Washtena	4,394	29.9 (7)	4,346	14.7 (7)	1,019	42.0 (9)	3,428	18.3 (23)	4,303	6.9 (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) Among women who smoked 3 months prior to pregnancy.

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



Table 7F
2009 - 2011 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)
82Wayne	14,038	26.2 (4)	10,850	11.2 (4)	1,823	44.3 (8)	11,078	13.5 (7)	10,627	3.7 (5)
89Urban L	7,609	18.1 (1)	8,186	9.0 (2)	1,030	48.7 (2)	5,814	19.2 (26)	7,855	8.4 (43)
90Detroit	23,349	19.3 (2)	25,202	8.5 (1)	3,511	51.1 (1)	18,130	20.2 (31)	24,771	9.8 (46)
Unknown Local Agencies	128	29.7 (6)	140	28.6 (41)	21	* *	81	* *	140	21.4 (49)
Michigan	183,796	33.7	180,268	17.8	47,745	37.6	144,508	17.3	175,660	6.0

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one local agency's rate to other local agencies. Rank 1 = best rate.

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

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



Table 8F
2009 - 2011 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 (6)		Full Term LBW (7)		Ever Breastfed	
	Low (4)		High (5)						
	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
01DHD#2	1,157	5.9 (5)	10.9 (46)	1,217	9.0 (7)	1,038	1.9 (1)	1,177	63.7 (26)
02LMAS	554	8.7 (38)	10.3 (43)	567	10.1 (15)	488	4.7 (44)	551	62.4 (29)
04DHD#4	1,248	6.9 (17)	10.1 (41)	1,285	7.9 (4)	1,142	3.4 (30)	1,249	56.8 (37)
05NWMCHA	1,869	7.4 (22)	8.5 (31)	2,019	9.5 (10)	1,682	3.4 (30)	1,946	77.1 (2)
06CMDHD	3,415	6.9 (17)	7.9 (22)	3,544	10.9 (25)	3,014	3.2 (24)	3,405	67.0 (16)
07West UP	1,039	5.7 (4)	9.0 (35)	1,077	10.5 (17)	926	2.3 (4)	1,033	74.0 (5)
08Barry	2,177	6.1 (7)	8.2 (29)	2,238	10.5 (17)	1,938	2.5 (5)	2,183	69.4 (11)
09Bay	1,951	7.6 (28)	9.9 (39)	1,996	11.1 (27)	1,724	3.1 (22)	1,945	58.4 (35)
10Gr Trav	1,524	6.6 (12)	10.0 (40)	1,595	11.2 (31)	1,345	2.5 (5)	1,526	82.2 (1)
11Berrien	3,109	8.7 (38)	7.4 (19)	3,188	11.2 (31)	2,736	3.2 (24)	3,103	50.1 (46)
12BHS	3,568	6.6 (12)	8.1 (27)	3,703	9.8 (13)	3,184	2.7 (11)	3,588	64.0 (25)
13Calhoun	3,127	7.5 (26)	8.2 (29)	3,219	9.8 (13)	2,817	3.4 (30)	3,131	54.1 (41)
14Leelanau	414	7.2 (19)	10.4 (44)	433	9.5 (10)	373	4.0 (42)	415	76.9 (3)
15Intercar	8,862	6.5 (11)	8.5 (31)	9,401	10.7 (22)	7,847	2.7 (11)	9,152	70.3 (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.



Table 8F
2009 - 2011 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 (6)		Full Term LBW (7)		Ever Breastfed	
	Low (4)		High (5)						
	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
17Chippewa	771	5.4 (1)	11.8 (48)	814	7.2 (2)	704	2.7 (11)	770	66.9 (17)
19Mid-Mich	2,732	6.7 (15)	7.4 (19)	2,865	10.8 (24)	2,405	2.9 (18)	2,784	69.0 (12)
21Delta	981	6.3 (10)	9.5 (38)	1,017	10.5 (17)	870	2.5 (5)	977	62.9 (28)
22Iron	683	5.6 (2)	7.2 (16)	707	9.3 (8)	615	2.1 (3)	683	63.3 (27)
25Genesee	7,340	9.8 (44)	5.2 (4)	7,522	13.4 (46)	6,292	3.6 (37)	7,341	53.2 (43)
30HDI	1,373	11.7 (47)	4.2 (1)	1,440	13.2 (45)	1,186	6.2 (48)	1,373	52.6 (44)
32Huron	597	8.0 (33)	10.9 (46)	623	11.4 (35)	526	3.2 (24)	599	53.6 (42)
33Ingham	5,451	7.2 (19)	8.0 (25)	5,624	10.5 (17)	4,856	2.5 (5)	5,488	66.2 (18)
35Keweenaw	167	6.0 (6)	10.2 (42)	166	7.8 (3)	150	4.7 (44)	167	61.1 (32)
37Ionia	1,213	5.6 (2)	6.8 (12)	1,242	11.1 (27)	1,078	2.5 (5)	1,214	64.6 (21)
38Jackson	3,565	8.5 (37)	7.9 (22)	3,598	11.1 (27)	3,121	3.4 (30)	3,562	60.5 (34)
39Kalamazo	2,230	7.4 (22)	8.8 (33)	2,265	10.6 (21)	1,969	2.8 (16)	2,235	64.4 (22)
40Kal Fam	2,242	10.4 (45)	5.3 (5)	2,377	14.0 (47)	1,904	3.7 (39)	2,284	61.3 (31)
41Kent	13,342	7.9 (32)	8.0 (25)	13,691	11.6 (39)	11,712	3.1 (22)	13,353	64.3 (23)

- (1) Reporting period is January 1 through December 31.
- (2) Excludes records with unknown data or errors.
- (3) Rank compares one local agency's rate to other local agencies. Rank 1 = best rate.
- (4) <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.



Table 8F
2009 - 2011 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 (6)		Full Term LBW (7)		Ever Breastfed	
	Low (4)		High (5)						
	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
43DHD#10	5,554	6.6 (12)	9.3 (36)	5,717	9.7 (12)	4,969	3.0 (20)	5,561	70.4 (7)
44Lapeer	1,413	8.1 (34)	7.3 (17)	1,445	11.7 (41)	1,235	2.8 (16)	1,409	66.0 (19)
45Tuscola	1,032	6.7 (15)	7.8 (21)	1,052	11.1 (27)	911	3.0 (20)	1,030	55.9 (39)
46CAA	1,664	7.5 (26)	6.5 (10)	1,804	9.3 (8)	1,493	3.5 (35)	1,748	67.3 (14)
47Livingst	1,497	6.1 (7)	10.4 (44)	1,539	8.8 (5)	1,355	2.0 (2)	1,495	68.5 (13)
50Macomb	3,718	9.3 (43)	6.1 (7)	3,772	12.6 (44)	3,220	3.9 (41)	3,727	76.4 (4)
51DCS	2,442	7.4 (22)	6.3 (8)	2,517	11.0 (26)	2,151	2.7 (11)	2,471	67.1 (15)
52Marquett	1,008	7.4 (22)	8.8 (33)	1,028	11.6 (39)	886	3.4 (30)	1,009	70.1 (9)
56MMCAA	1,314	7.6 (28)	9.3 (36)	1,354	8.8 (5)	1,191	2.9 (18)	1,311	72.5 (6)
58Monroe	2,421	8.1 (34)	8.1 (27)	2,483	11.5 (37)	2,131	3.3 (29)	2,418	61.0 (33)
61Muskegon	4,712	8.7 (38)	6.7 (11)	4,849	12.3 (43)	4,091	3.7 (39)	4,720	51.4 (45)
63Oakland	11,982	8.8 (41)	6.8 (12)	12,342	11.5 (37)	10,543	3.2 (24)	12,054	55.5 (40)
73Saginaw	3,290	9.1 (42)	7.9 (22)	3,413	11.2 (31)	2,900	4.4 (43)	3,282	50.0 (47)
74St Clair	2,696	7.7 (30)	6.9 (14)	2,755	11.4 (35)	2,387	2.7 (11)	2,698	56.8 (37)

- (1) Reporting period is January 1 through December 31.
- (2) Excludes records with unknown data or errors.
- (3) Rank compares one local agency's rate to other local agencies. Rank 1 = best rate.
- (4) <2500 g.
- (5) >4000 g.
- (6) <37 weeks gestation.
- (7) 37 or more weeks gestation and <2500 g.
- * Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 8F
2009 - 2011 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 (6)		Full Term LBW (7)		Ever Breastfed	
	Low (4)		High (5)						
	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
76Sanilac	757	6.1 (7)	5.5 (6)	785	11.7 (41)	664	3.2 (24)	754	61.5 (30)
78Shiawass	1,288	7.3 (21)	6.4 (9)	1,324	11.2 (31)	1,137	2.5 (5)	1,291	64.1 (24)
81Washtena	4,121	8.4 (36)	7.3 (17)	4,230	10.7 (22)	3,655	3.6 (37)	4,136	69.5 (10)
82Wayne	9,986	7.7 (30)	6.9 (14)	10,603	10.3 (16)	8,883	3.5 (35)	10,263	65.0 (20)
89Urban L	7,715	11.1 (46)	5.0 (3)	7,897	14.5 (48)	6,462	5.4 (46)	7,726	36.0 (49)
90Detroit	23,773	11.8 (48)	4.9 (2)	24,566	14.9 (49)	19,960	5.4 (46)	24,004	44.1 (48)
Unknown Local Agencies	99	* * *	* *	140	5.7 (1)	89	* *	102	57.8 (36)
Michigan	169,183	8.5	7.1	175,048	11.7	147,955	3.6	170,443	59.2

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

