

**Table 1C**  
**2013 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Run Date: 07/02/2014

**Summary of Demographic Indicators** <sup>(2)</sup>

Total Records	Number	%
Complete Records	50,594	75.2
Prenatal Records	4,645	6.9
Postpartum Records	12,022	17.9
<b>Total Records Accepted</b>	<b>67,261</b>	

Source of Data	Number	%
WIC	67,261	100.0
Maternal Health	0	0.0
Other	0	0.0
<b>Total</b>	<b>67,261</b>	<b>100.0</b>
<i>Excluded Unknown: 0 0.0</i>		

Race/Ethnic Distribution	Number	%
White, Not Hispanic	37,294	55.8
Black, Not Hispanic	19,000	28.4
Hispanic	6,629	9.9
American Indian/Alaska Native	249	0.4
Asian/Pacific Islander	1,365	2.0
Multiple Races	2,334	3.5
All Other	0	0.0
<b>Total</b>	<b>66,871</b>	<b>100.0</b>
<i>Excluded Unknown: 385 0.6</i>		

Age Distribution	Number	%
< 15 Years	123	0.2
15 - 17 Years	2,627	3.9
18 - 19 Years	6,574	9.8
20 - 29 Years	42,450	63.2
30 - 39 Years	14,280	21.3
>= 40 Years	1,080	1.6
<b>Total</b>	<b>67,134</b>	<b>100.0</b>
<i>Excluded Unknown: 127 0.2</i>		

Education Distribution	Number	%
> High School	20,960	31.6
High School	29,145	44.0
< High School	16,183	24.4
<b>Total</b>	<b>66,288</b>	<b>100.0</b>
<i>Excluded Unknown: 973 1.4</i>		

Poverty Level	Number	%
0 - 50	22,096	40.1
51 - 100	14,641	26.6
101 - 130	6,184	11.2
131 - 150	3,231	5.9
151 - 185	4,077	7.4
186 - 200	1,260	2.3
> 200	3,379	6.1
Adjunctive Eligibility	274	0.5
<b>Total</b>	<b>55,142</b>	<b>100.0</b>
<i>Excluded Unknown: 12,119 18.0</i>		

Program Participation (3)	Number	%
WIC	55,239	100.0
SNAP	55,184	57.8
Medicaid	55,110	84.1
Tanf	55,195	10.7
Excluded Unknown:		
WIC:	0	0.0
SNAP:	55	0.1
Medicaid:	129	0.2
Tanf:	44	0.1

Migrant Status	Number	%
Yes	565	0.8
No	66,696	99.2
<b>Total</b>	<b>67,261</b>	<b>100.0</b>
<i>Excluded Unknown: 0 0.0</i>		

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Prenatal program participation

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

**Table 2C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**  
**Summary of Health Indicators**

Summary of Health Indicators (2)				
	Michigan Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
<b>Prepregnancy BMI (3)</b>				
Underweight	58,063	4.3	153,366	4.2
Normal Weight	58,063	39.7	153,366	40.1
Overweight	58,063	24.8	153,366	25.3
Obese	58,063	31.2	153,366	30.5
<b>Maternal Weight Gain (4)</b>				
Less Than Ideal	46,728	16.9	127,825	19.1
Ideal	46,728	30.7	127,825	30.5
Greater Than Ideal	46,728	52.4	127,825	50.4
<b>Anemia (Low Hb/Hct) (5)</b>				
1st Trimester	24,216	5.9	62,503	6.5
2nd Trimester	19,519	8.3	51,899	9.6
3rd Trimester	9,903	38.9	26,005	35.2
Postpartum	11,995	28.7	49,433	25.5
<b>Parity (6)</b>				
0	66,309	39.2	172,899	44.4
1	66,309	28.9	172,899	26.3
2	66,309	17.2	172,899	15.8
>= 3	66,309	14.8	172,899	13.6
<b>Interpregnancy Interval</b>				
<= 6 Months	39,531	12.6	92,554	12.2
6 - <18 Months	39,531	26.3	92,554	27.0
>= 18 Months	39,531	61.1	92,554	60.8
Gestational Diabetes	61,748	6.8	160,280	6.0
Hypertension During Pregnancy	61,783	10.1	160,298	6.4

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) 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).

(4) 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 gain = 15 to 25 pounds, obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

(6) Number of times a woman has given birth to an infant 20 or more week gestation

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

**Table 2C**  
**2013 Pregnancy Nutrition Surveillance**  
**Michigan**  
**Summary of Health Indicators**

(1)

Run Date:

06/29/2014

Summary of Health Indicators (2)				
	Michigan Prevalance		National Prevalance (Prior Year)	
	Number	%	Number	%
Medical Care				
1st Trimester	61,039	79.9	139,391	73.7
No Care	61,039	10.5	139,391	16.7
WIC Enrollment				
1st Trimester	66,266	36.9	160,175	35.8
2nd Trimester	66,266	30.3	160,175	33.6
3rd Trimester	66,266	15.6	160,175	19.8
Postpartum (3)	66,266	17.2	160,175	10.8
Prepregnancy Multivitamin Consumption (4)	51,800	19.8	141,815	19.0
Multivitamin Consumption During Pregnancy (5)	54,684	84.6	141,714	86.5
Smoking				
3 Months Prior to Pregnancy	62,025	32.3	166,211	30.7
During Pregnancy	54,716	18.8	143,223	19.9
Last 3 Months of Pregnancy	61,793	16.8	160,231	17.8
Postpartum	61,815	17.5	160,271	18.7
Smoking Changes (6)				
Quit Smoking by First Prenatal Visit	18,429	44.6	47,776	41.0
Quit Smoking by First Prenatal Visit and Stayed Off Cigarettes	18,044	36.4	59,861	50.4
Smoking in Household				
During Pregnancy	54,649	15.1	141,285	20.6
Postpartum	61,835	5.0	158,772	12.5
Drinking				
3 Months Prior to Pregnancy	61,868	21.4	165,954	14.8
Last 3 Months of Pregnancy	61,893	0.6	160,237	0.5

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Women who initially enrolled in WIC during the postpartum period.

(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.

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

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

**Table 2C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Health Indicators**

Run Date: 06/29/2014

Summary of Health Indicators (2)				
	Michigan Prevalance		National Prevalance (Prior Year)	
	Number	%	Number	%
Birthweight (3)				
Very Low	58,028	1.4	153,602	1.1
Low	58,028	7.3	153,602	6.9
Normal	58,028	84.2	153,602	84.3
High	58,028	7.2	153,602	7.7
Preterm (4)	59,882	11.5	146,459	11.4
Full term Low Birth Weight (5)	50,981	3.7	126,773	3.2
Multiple Births	61,440	1.6	159,775	1.5
Brestfeeding				
Ever Breastfed	58,101	63.1	154,268	68.0

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Very low birth weight (<1500 g), low birth weight (1500 - <2500 g), normal birth weight (2500 - <4000 g), high birth weight (>4000 g).

(4) <37 weeks gestation.

(5) 37 or more weeks gestation <2500 g.

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

**Table 3C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 06/29/2014

**Comparison of Racial Ethnic Distribution by Contributor to Nation**

<b>Comparison of Racial and Ethnic Distribution</b> (2)								
	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
<b>Michigan</b>	67,256	55.5	28.3	9.9	0.4	2.0	3.5	0.6
<b>Nation (Prior Year)</b>	176,314	56.6	22.1	13.0	1.1	3.8	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 4C**  
**2013 Pregnancy Nutrition Surveillance**

(1)

Run Date:

06/29/2014

**Michigan**

**Comparison of Age Distribution by Contributor to Nation**

<b>Comparison of Age Distribution</b> (2)								
	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
<b>Michigan</b>	67,261	0.2	3.9	9.8	63.1	21.2	1.6	0.2
<b>Nation (Prior Year)</b>	176,422	0.2	4.4	10.8	62.3	20.8	1.4	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.

**Table 5C**  
**2013 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Run Date: 06/29/2014

**Comparison of Maternal Health Indicators by Contributor to Nation**

<b>Comparison of Maternal Health Indicators</b> <sup>(2)</sup>														
	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under- weight	Over- weight		< Ideal	> Ideal		3rd Trimester		Postpartum					
	Number	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%
<b>Michigan</b>	58,063	4.3	56.0	46,728	16.9	52.4	9,903	38.9	11,995	28.7	61,748	6.8	61,783	10.1
<b>Nation (Prior Year)</b>	153,366	4.2	55.7	127,825	19.1	50.4	26,005	35.2	49,433	25.5	160,280	6.0	160,298	6.4

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) 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).

(4) 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 gain = 15 to 25 pounds, obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) 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 6C**  
**2013 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Run Date: 06/29/2014

**Comparison of Maternal Behavioral Indicators by Contributor to Nation**

<b>Comparison of Maternal Behavioral Indicators</b> <sup>(2)</sup>									
	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Pregnancy <sup>(3)</sup>		During Pregnancy <sup>(4)</sup>	
	Number	%	%	Number	%	Number	%	Number	%
<b>Michigan</b>	61,039	79.9	10.5	66,266	36.9	51,800	19.8	54,684	84.6
<b>Nation (Prior Year)</b>	139,391	73.7	16.7	160,175	35.8	141,815	19.0	141,714	86.5

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

(2) Excludes records with unknown data or errors.

(3) Woman who reported taking a multivitamin four times a week or more in the month before pregnancy; proxy for folic acid consumption.

(4) 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 7C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 06/29/2014

**Comparison of Smoking Indicators by Contributor to Nation**

<b>Comparison of Smoking Indicators</b> (2)										
	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	%	Number	%		Number	%	Number	%	
<b>Michigan</b>	62,025	32.3	61,793	16.8	18,044	36.4	54,649	15.1	61,835	5.0
<b>Nation (Prior Year)</b>	166,211	30.7	160,231	17.8	59,861	50.4	141,285	20.6	158,772	12.5

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

(2) Excludes records with unknown data or errors.

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

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

**Table 8C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 06/29/2014

**Comparison of Infant Health Indicators by Contributor to Nation**

<b>Comparison of Infant Health Indicators</b> (2)									
	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (3)	High (4)		(5)		(6)			
	Number	%	%	Number	%	Number	%	Number	%
<b>Michigan</b>	58,028	8.7	7.2	59,882	11.5	50,981	3.7	58,101	63.1
<b>Nation (Prior Year)</b>	153,602	8.0	7.7	146,459	11.4	126,773	3.2	154,268	61.4

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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

**Table 9C**  
**2013 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Run Date: 06/29/2014

**Maternal Health Indicators by Race/Ethnicity, Age, or Education**

<b>Maternal Health Indicators by Race/Ethnicity, Age, or Education</b> <sup>(2)</sup>														
	Prepregnancy BMI <sup>(3)</sup>			Weight Gain <sup>(4)</sup>			Anemia (Low Hb/Hct) <sup>(5)</sup>				Gestational Diabetes		Hypertension During Pregnancy	
	Under-Weight	Over-Weight		< Ideal	>Ideal		3rd Trimester		Postpartum					
	Number	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%
<b>Race/Ethnicity</b>														
White, Not Hispanic	32,226	4.6	53.6	25,830	15.1	53.9	5,130	28.8	7,346	21.8	34,374	7.0	34,384	9.7
Black, Not Hispanic	16,964	3.9	60.3	13,962	18.4	53.2	3,403	54.8	2,891	45.5	17,673	5.6	17,688	12.3
Hispanic	5,481	2.6	62.2	4,256	21.1	44.9	796	38.2	1,000	31.7	6,073	8.3	6,078	7.6
American Indian/Alaska Native	232	3.4	54.3	169	16.6	51.5	22	*	35	*	215	11.6	215	9.3
Asian/Pacific Islander	1,094	10.1	29.6	865	27.1	31.0	185	28.6	287	22.6	1,263	12.4	1,264	4.7
Multiple Races	2,056	4.8	54.8	1,639	16.3	52.7	365	39.5	435	32.6	2,142	6.3	2,146	9.8
All Other/Unknown	7	*	*	4	*	*	1	*	1	*	3	*	3	*
<b>Total</b>	<b>58,063</b>	<b>4.3</b>	<b>56.0</b>	<b>46,728</b>	<b>16.9</b>	<b>52.4</b>	<b>9,903</b>	<b>38.9</b>	<b>11,995</b>	<b>28.7</b>	<b>61,748</b>	<b>6.8</b>	<b>61,783</b>	<b>10.1</b>
<b>Age</b>														
< 15 Years	112	8.0	30.4	95	*	*	30	*	2	*	118	5.1	118	13.6
15 - 17 Years	2,304	8.1	34.9	1,879	16.9	54.0	406	44.8	367	35.7	2,417	1.9	2,418	10.0
18 - 19 Years	5,764	7.3	43.4	4,655	16.6	54.4	963	44.7	1,028	33.8	6,016	3.2	6,022	10.0
20 - 29 Years	36,763	4.4	55.2	29,722	16.5	52.3	6,462	37.9	7,360	29.1	39,109	5.5	39,117	9.1
30 - 39 Years	12,140	2.3	67.3	9,668	17.7	51.8	1,888	37.6	2,961	25.0	13,050	12.7	13,069	12.8
>= 40 Years	882	1.8	71.0	635	23.5	47.6	141	39.7	254	29.5	919	18.2	921	16.8
Unknown	98	*	*	74	*	*	13	*	23	*	119	5.9	118	7.6
<b>Total</b>	<b>58,063</b>	<b>4.3</b>	<b>56.0</b>	<b>46,728</b>	<b>16.9</b>	<b>52.4</b>	<b>9,903</b>	<b>38.9</b>	<b>11,995</b>	<b>28.7</b>	<b>61,748</b>	<b>6.8</b>	<b>61,783</b>	<b>10.1</b>
<b>Education</b>														
< High School	13,840	5.6	51.6	10,842	19.7	49.5	2,375	43.5	2,451	34.8	14,910	6.0	14,907	9.2
High School	25,541	4.5	56.5	20,638	16.8	53.0	4,304	39.0	4,993	28.3	27,010	6.7	27,035	10.3
> High School	18,258	3.1	58.5	14,942	15.0	53.8	3,153	35.1	4,447	25.8	19,296	7.6	19,306	10.7
Excluded Unknown	424	4.7	55.7	306	20.3	48.7	71	*	104	33.7	532	7.7	535	8.2
<b>Total</b>	<b>58,063</b>	<b>4.3</b>	<b>56.0</b>	<b>46,728</b>	<b>16.9</b>	<b>52.4</b>	<b>9,903</b>	<b>38.9</b>	<b>11,995</b>	<b>28.7</b>	<b>61,748</b>	<b>6.8</b>	<b>61,783</b>	<b>10.1</b>

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) 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).

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

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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**Table 10C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**

**Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education**

<b>Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education</b> (2)									
	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester	No Care		1st Trimester		Prepregnancy (3)		During Pregnancy (4)	
	Number	%	%	Number	%	Number	%	Number	%
<b>Race/Ethnicity</b>									
White, Not Hispanic	33,997	81.9	11.7	36,816	40.7	29,920	23.0	30,524	87.3
Black, Not Hispanic	17,561	77.8	6.4	18,797	26.9	13,825	14.1	15,246	83.7
Hispanic	5,889	74.3	16.0	6,509	45.4	5,073	17.2	5,661	74.2
American Indian/Alaska Native	217	81.1	10.1	243	49.8	196	23.0	211	86.7
Asian/Pacific Islander	1,247	83.6	8.3	1,343	35.9	975	19.6	1,078	79.9
Multiple Races	2,121	78.9	10.7	2,304	37.4	1,804	18.7	1,959	83.8
All Other/Unknown	3	*	*	249	4.0	4	*	1	*
<b>Total</b>	<b>61,039</b>	<b>79.9</b>	<b>10.5</b>	<b>66,266</b>	<b>36.9</b>	<b>51,800</b>	<b>19.8</b>	<b>54,684</b>	<b>84.6</b>
<b>Age</b>									
< 15 Years	116	54.3	9.5	123	33.3	93	*	107	87.9
15 - 17 Years	2,387	68.0	11.9	2,584	35.8	2,020	8.1	2,292	82.7
18 - 19 Years	5,938	76.2	12.1	6,475	38.2	5,056	11.1	5,736	83.4
20 - 29 Years	38,650	80.5	10.4	41,838	36.2	32,269	19.1	34,378	84.8
30 - 39 Years	12,917	82.3	9.8	14,056	38.5	11,416	27.4	11,264	85.4
>= 40 Years	912	79.6	10.9	1,063	37.7	844	27.7	812	83.4
Unknown	119	79.0	10.9	127	38.6	102	15.7	95	*
<b>Total</b>	<b>61,039</b>	<b>79.9</b>	<b>10.5</b>	<b>66,266</b>	<b>36.9</b>	<b>51,800</b>	<b>19.8</b>	<b>54,684</b>	<b>84.6</b>
<b>Education</b>									
< High School	14,658	73.3	12.0	15,936	37.0	11,713	12.6	13,385	78.0
High School	26,729	80.2	10.6	28,796	38.1	22,411	17.9	24,122	84.8
> High School	19,138	84.5	9.2	20,711	35.7	17,227	27.4	16,757	90.0
Excluded Unknown	514	80.7	10.3	823	26.0	449	16.9	420	71.0
<b>Total</b>	<b>61,039</b>	<b>79.9</b>	<b>10.5</b>	<b>66,266</b>	<b>36.9</b>	<b>51,800</b>	<b>19.8</b>	<b>54,684</b>	<b>84.6</b>

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

(2) Excludes records with unknown data for behavioral indicators, and data with errors for behavioral and demographic indicators.

(3) Woman who reported taking a multivitamin four a week or more in the month before pregnancy. proxy for folic acid consumption.

(4) 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 11C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**  
**Smoking Indicators by Race/Ethnicity, Age, or Education**

Run Date: 06/29/2014

<b>Comparison of Smoking Indicators</b> (2)										
	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	%	Number	%		Number	%	Number	%	
<b>Race/Ethnicity</b>										
White, Not Hispanic	34,978	40.0	34,387	22.8	12,572	31.8	30,488	15.7	34,405	4.3
Black, Not Hispanic	17,239	22.4	17,682	8.6	3,489	49.8	15,242	16.9	17,709	7.5
Hispanic	6,121	16.7	6,088	6.7	958	49.0	5,663	7.5	6,085	2.2
American Indian/Alaska Native	232	52.2	217	34.6	117	21.4	211	20.4	214	8.4
Asian/Pacific Islander	1,293	5.5	1,264	1.3	64	*	1,084	3.0	1,265	1.6
Multiple Races	2,154	42.9	2,147	24.1	842	33.4	1,956	20.2	2,149	6.5
All Other/Unknown	4	*	3	*	0	*	1	*	3	*
<b>Total</b>	<b>62,025</b>	<b>32.3</b>	<b>61,793</b>	<b>16.8</b>	<b>18,044</b>	<b>36.4</b>	<b>54,649</b>	<b>15.1</b>	<b>61,835</b>	<b>5.0</b>
<b>Race/Ethnicity</b>										
< 15 Years	120	10.8	118	0.8	11	*	107	34.6	117	12.0
15 - 17 Years	2,527	24.9	2,424	9.6	605	50.6	2,291	29.7	2,422	9.7
18 - 19 Years	6,218	34.8	6,018	15.6	1,995	43.7	5,733	26.1	6,023	8.2
20 - 29 Years	38,684	34.1	39,119	17.8	11,933	36.5	34,351	14.1	39,139	4.7
30 - 39 Years	13,343	28.1	13,070	16.1	3,296	29.8	11,264	9.7	13,092	3.6
>= 40 Years	1,010	22.7	925	14.1	187	17.1	808	11.1	923	4.4
Unknown	123	17.9	119	7.6	17	*	95	*	119	3.4
<b>Total</b>	<b>62,025</b>	<b>32.3</b>	<b>61,793</b>	<b>16.8</b>	<b>18,044</b>	<b>36.4</b>	<b>54,649</b>	<b>15.1</b>	<b>61,835</b>	<b>5.0</b>
<b>Race/Ethnicity</b>										
< High School	14,607	38.6	14,905	23.1	5,183	28.7	13,383	20.3	14,926	7.1
High School	27,009	35.1	27,035	18.2	8,598	36.9	24,096	15.7	27,055	5.0
> High School	19,875	24.1	19,316	10.1	4,173	45.0	16,753	10.2	19,318	3.5
Excluded Unknown	534	19.1	537	12.1	90	*	417	10.1	536	3.7
<b>Total</b>	<b>62,025</b>	<b>32.3</b>	<b>61,793</b>	<b>16.8</b>	<b>18,044</b>	<b>36.4</b>	<b>54,649</b>	<b>15.1</b>	<b>61,835</b>	<b>5.0</b>

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

(2) Excludes records with unknown data for smoking indicators, and data with errors for smoking and demographic indicators.

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

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

**Table 12C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**  
**Infant Health Indicators by Race/Ethnicity, Age, or Education**

<b>Infant Health Indicators by Race/Ethnicity, Age, or Education</b> (2)									
	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Number	Low (3)	High (4)	(5)		(6)		Number	%
		%	%	Number	%	Number	%		
<b>Race/Ethnicity</b>									
White, Not Hispanic	32,152	7.2	8.9	33,207	9.9	28,774	3.0	32,243	68.9
Black, Not Hispanic	16,803	12.2	3.8	17,344	14.6	14,251	5.4	16,733	49.5
Hispanic	5,665	6.9	8.3	5,812	11.8	4,956	2.8	5,696	67.2
American Indian/Alaska Native	193	3.6	13.0	200	11.5	170	1.2	193	63.7
Asian/Pacific Islander	1,187	7.9	3.8	1,218	11.2	1,048	3.6	1,200	73.4
Multiple Races	2,021	8.9	6.4	2,094	11.4	1,777	3.9	2,029	66.3
All Other/Unknown	3	*	*	2	*	2	*	3	*
<b>Total</b>	<b>58,028</b>	<b>8.7</b>	<b>7.2</b>	<b>59,882</b>	<b>11.5</b>	<b>50,981</b>	<b>3.7</b>	<b>58,101</b>	<b>63.1</b>
<b>Age</b>									
< 15 Years	111	8.1	4.5	118	25.4	85	*	111	45.0
15 - 17 Years	2,299	7.4	4.7	2,372	12.3	1,990	4.1	2,295	57.7
18 - 19 Years	5,703	7.6	5.2	5,878	10.8	5,024	4.2	5,697	61.5
20 - 29 Years	36,907	7.0	7.0	38,034	10.8	32,698	3.5	36,941	63.2
30 - 39 Years	12,103	7.9	9.0	12,536	13.5	10,435	3.9	12,147	64.7
>= 40 Years	796	8.9	7.5	829	17.6	653	4.4	798	63.3
Unknown	109	1.8	9.2	115	12.2	96	*	112	75.0
<b>Total</b>	<b>58,028</b>	<b>8.7</b>	<b>7.2</b>	<b>59,882</b>	<b>11.5</b>	<b>50,981</b>	<b>3.7</b>	<b>58,101</b>	<b>63.1</b>
<b>Education</b>									
< High School	13,804	8.3	5.8	14,417	13.0	11,889	4.5	13,870	51.3
High School	25,443	7.3	7.1	26,193	11.4	22,389	3.7	25,446	61.6
> High School	18,301	6.5	8.4	18,759	10.6	16,289	3.0	18,294	74.0
Excluded Unknown	480	6.3	7.1	513	13.6	414	2.9	491	69.7
<b>Total</b>	<b>58,028</b>	<b>8.7</b>	<b>7.2</b>	<b>59,882</b>	<b>11.5</b>	<b>50,981</b>	<b>3.7</b>	<b>58,101</b>	<b>63.1</b>

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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

**Table 13C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**

**Maternal Weight Gain and Birth Outcomes by Select Health Indicators**

<b>Maternal Weight Gain and Birth Outcomes by Select Health Indicators</b> (2)										
	Weight Gain (3)			Birthweight			Preterm (6)		Full Term LBW (7)	
	< Ideal	> Ideal		Low (4)	High (5)					
	Number	%	%	Number	%	%	Number	%	Number	%
<b>Prepregnancy BMI</b>										
Underweight	2,101	29.2	25.5	2,191	14.9	2.3	2,256	14.6	1,860	8.0
Normal Weight	19,079	21.4	41.9	20,062	9.1	4.9	20,659	11.3	17,670	4.0
Overweight	11,689	9.9	64.8	12,533	7.9	7.7	12,911	11.3	11,036	3.0
Obese	13,859	14.7	60.6	15,759	7.9	9.9	16,203	11.5	13,864	3.1
<b>Weight Gain</b>										
< Ideal	-	-	-	7,202	15.1	2.7	7,459	16.6	5,977	6.7
Ideal	-	-	-	13,748	9.0	4.7	14,124	11.9	12,036	3.9
> Ideal	-	-	-	23,624	6.1	9.9	24,158	9.3	21,258	2.6
<b>Smoking During Pregnancy</b>										
Smokers	7,011	18.5	50.9	8,460	11.1	4.2	8,875	12.4	7,386	5.6
Non-Smokers	30,599	16.3	53.2	38,459	7.1	7.9	39,598	10.9	34,143	3.0

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) 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 gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(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 14C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 06/29/2014

**Summary of Trends in Racial Ethnic Distribution**

<b>Summary of Trends in Racial and Ethnic Distribution</b> (2)								
Year	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
<b>2013</b>	67,256	55.5	28.3	9.9	0.4	2.0	3.5	0.6
<b>2012</b>	67,977	56.2	27.5	10.0	0.4	1.9	3.4	0.6
<b>2011</b>	68,267	57.0	27.3	10.0	0.4	1.7	2.9	0.6
<b>2010</b>	68,559	56.7	27.5	10.4	0.3	1.7	2.6	0.7

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

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

**Table 15C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Trends in Age Distribution**

Run Date: 06/29/2014

<b>Summary of Trends in Age Distribution</b> (2)								
Year	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
<b>2013</b>	67,261	0.2	3.9	9.8	63.1	21.2	1.6	0.2
<b>2012</b>	67,977	0.2	4.5	10.7	62.2	20.5	1.5	0.3
<b>2011</b>	68,267	0.2	4.9	11.5	61.7	19.9	1.5	0.3
<b>2010</b>	68,559	0.2	5.6	12.6	60.6	19.2	1.4	0.4

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

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

**Table 16C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**

**Summary of Trends in Maternal Health Indicators**

<b>Summary of Trends in Maternal Health Indicators</b> (2)										
Year	Pregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
	Under- weight	Over- weight		< Ideal	> Ideal		3rd Trimester		Postpartum	
	Number	%	%	Number	%	%	Number	%	Number	%
<b>2013</b>	58,063	4.3	56.0	46,728	16.9	52.4	9,903	38.9	11,995	28.7
<b>2012</b>	61,321	4.4	54.9	48,759	17.4	51.3	9,736	38.4	12,636	27.9
<b>2011</b>	62,449	4.4	54.4	50,780	17.6	51.0	10,073	35.7	13,689	27.5
<b>2010</b>	62,806	4.3	54.7	47,992	18.1	50.9	9,772	35.9	14,361	27.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) 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).

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

(5) 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 17C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**  
**Summary of Trends in Maternal Behavioral Indicators**

<b>Summary of Maternal Behavioral Indicators</b> (2)					
Year	Medical Care			WIC Enrollment	
	1st Trimester		No Care	1st Trimester	
	Number	%	%	Number	%
<b>2013</b>	61,039	79.9	10.5	66,266	36.9
<b>2012</b>	61,308	79.8	10.6	67,036	38.0
<b>2011</b>	60,703	81.1	9.2	67,132	36.7
<b>2010</b>	58,935	80.9	8.9	67,582	37.6

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Prenatal program participation

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

**Table 18C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**  
**Summary of Trends in Smoking Indicators**

<b>Summary of Trends in Smoking Indicators (2)</b>										
Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	%	Number	%		Number	%	Number	%	
<b>2013</b>	62,025	32.3	61,793	16.8	18,044	36.4	54,649	15.1	61,835	5.0
<b>2012</b>	63,072	32.4	61,988	16.9	16,769	38.6	55,380	16.0	61,994	4.9
<b>2011</b>	64,048	32.8	61,427	16.9	16,751	39.5	55,786	16.8	61,403	5.5
<b>2010</b>	64,920	32.9	59,649	17.3	16,257	37.9	56,370	17.9	59,648	6.1

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Prenatal program participation

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

**Table 19C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**  
**Summary of Trends in Infant Health Indicators**

<b>Summary of Trends in Infant Health Indicators</b> (2)									
Year	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Number	Low (3)	High (4)	(5)		(6)		Number	%
		%	%	Number	%	Number	%		
<b>2013</b>	58,028	8.7	7.2	59,882	11.5	50,981	3.7	58,101	63.1
<b>2012</b>	58,368	8.8	7.3	60,111	12.1	50,877	3.7	58,753	61.2
<b>2011</b>	58,040	8.6	7.1	59,523	11.7	50,780	3.6	58,401	60.5
<b>2010</b>	56,075	8.5	7.2	57,799	12.0	48,927	3.6	56,127	59.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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

**Table 20C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**

**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)											
Race/Ethnicity and Year	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				
	Number	Under-Weight	Over-Weight	Number	< Ideal	>Ideal	3rd Trimester		Postpartum		
		%	%		%	%	Number	%	Number	%	
White, Not Hispanic	2013	32,226	4.6	53.6	25,830	15.1	53.9	5,130	28.8	7,346	21.8
	2012	34,970	4.9	52.5	27,986	15.8	52.6	5,083	30.1	7,816	21.4
	2011	35,938	4.7	52.0	29,299	16.4	52.3	5,356	25.9	8,181	20.2
	2010	35,972	4.6	52.7	27,288	16.6	52.5	5,149	27.5	7,734	19.8
Black, Not Hispanic	2013	16,964	3.9	60.3	13,962	18.4	53.2	3,403	54.8	2,891	45.5
	2012	17,110	3.9	59.6	13,731	18.6	51.7	3,333	52.3	3,057	43.8
	2011	17,304	3.9	59.0	14,259	18.4	51.5	3,424	52.4	3,756	42.7
	2010	17,540	3.7	58.9	13,814	19.1	51.2	3,373	49.7	4,650	41.4

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) 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).

(4) 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 gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) 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 20C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**

**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)											
Race/Ethnicity and Year	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				
	Under-Weight		Over-Weight	< Ideal		>Ideal	3rd Trimester		Postpartum		
	Number	%	%	Number	%	%	Number	%	Number	%	
Hispanic	2013	5,481	2.6	62.2	4,256	21.1	44.9	796	38.2	1,000	31.7
	2012	5,786	2.3	61.1	4,353	22.9	44.5	727	36.9	942	29.3
	2011	6,083	2.6	60.1	4,770	22.1	44.0	777	33.7	1,004	30.1
	2010	6,349	2.9	59.1	4,692	22.8	43.3	810	35.2	1,329	27.2
American Indian/Alaska Native	2013	232	3.4	54.3	169	16.6	51.5	22	*	35	*
	2012	234	3.8	56.8	171	12.9	50.3	29	*	50	*
	2011	242	3.7	54.1	200	15.5	49.0	42	*	56	*
	2010	212	5.2	61.3	168	14.9	51.8	29	*	42	*

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) 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).

(4) 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 gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) 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 20C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**

**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)											
Race/Ethnicity and Year	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				
	Under-Weight		Over-Weight	< Ideal		>Ideal	3rd Trimester		Postpartum		
	Number	%	%	Number	%	%	Number	%	Number	%	
Asian/Pacific Islander											
	2013	1,094	10.1	29.6	865	27.1	31.0	185	28.6	287	22.6
	2012	1,117	9.8	30.3	858	26.1	32.9	192	30.2	282	27.3
	2011	1,015	10.0	30.2	766	25.7	31.7	170	25.9	258	24.0
	2010	1,058	9.0	29.2	758	29.6	31.0	183	26.2	269	24.5
Multiple Races											
	2013	2,056	4.8	54.8	1,639	16.3	52.7	365	39.5	435	32.6
	2012	2,095	4.1	53.2	1,656	15.0	53.9	370	35.1	488	30.9
	2011	1,856	5.1	51.9	1,479	16.2	53.3	304	34.2	432	32.4
	2010	1,664	4.7	53.7	1,262	16.8	53.1	228	32.5	331	28.1

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) 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).

(4) 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 gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) 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 20C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**

**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Health Indicators by Race/Ethnicity</b> (2)											
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
		Under-Weight	Over-Weight	< Ideal	>Ideal	3rd Trimester		Postpartum			
						Number	%	%	Number	%	Number
All Other/Unknown											
	2013	7	*	*	4	*	*	1	*	1	*
	2012	9	*	*	4	*	*	2	*	1	*
	2011	11	*	*	7	*	*	0	*	2	*
	2010	11	*	*	10	*	*	0	*	6	*
Total All Race/Ethnic Groups											
	2013	58,063	4.3	56.0	46,728	16.9	52.4	9,903	38.9	11,995	28.7
	2012	61,321	4.4	54.9	48,759	17.4	51.3	9,736	38.4	12,636	27.9
	2011	62,449	4.4	54.4	50,780	17.6	51.0	10,073	35.7	13,689	27.5
	2010	62,806	4.3	54.7	47,992	18.1	50.9	9,772	35.9	14,361	27.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) 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).

(4) 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 gain = 15 to 25 pounds, obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) 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 21C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 06/29/2014

**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)</b>							
Race/Ethnicity and Year		Medical Care			WIC Enrollment		
		1st Trimester		No Care	1st Trimester		
		Number	%	%	Number	%	
White, Not Hispanic		2013	33,997	81.9	11.7	36,816	40.7
		2012	34,701	81.8	11.9	37,770	41.7
		2011	34,824	82.8	10.8	38,317	41.2
		2010	33,356	82.9	10.4	38,354	42.4
Black, Not Hispanic		2013	17,561	77.8	6.4	18,797	26.9
		2012	17,091	77.7	6.0	18,476	27.9
		2011	16,787	78.9	4.7	18,374	25.0
		2010	16,527	78.2	4.5	18,601	26.0

(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 21C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 06/29/2014

**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)</b>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Hispanic	2013	5,889	74.3	16.0	6,509	45.4
	2012	6,064	74.2	16.8	6,690	47.3
	2011	6,093	77.9	12.8	6,703	44.9
	2010	6,308	77.4	11.9	7,041	44.3
American Indian/Alaska Native	2013	217	81.1	10.1	243	49.8
	2012	219	81.3	8.2	257	38.9
	2011	224	82.1	8.5	257	46.3
	2010	205	79.5	10.7	222	44.1

(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 21C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 06/29/2014

**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)</b>							
Race/Ethnicity and Year		Medical Care			WIC Enrollment		
		1st Trimester		No Care	1st Trimester		
		Number	%	%	Number	%	
Asian/Pacific Islander		2013	1,247	83.6	8.3	1,343	35.9
		2012	1,152	80.9	9.9	1,295	33.0
		2011	1,015	83.8	7.4	1,138	34.0
		2010	1,001	83.5	7.2	1,175	34.8
Multiple Races		2013	2,121	78.9	10.7	2,304	37.4
		2012	2,076	78.8	10.7	2,259	39.0
		2011	1,756	79.0	11.1	1,965	39.0
		2010	1,535	80.8	9.5	1,761	41.0

(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 21C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 06/29/2014

**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)</b>							
Race/Ethnicity and Year		Medical Care			WIC Enrollment		
		1st Trimester		No Care	1st Trimester		
		Number	%	%	Number	%	
All Other/Unknown		2013	3	*	*	249	4.0
		2012	5	*	*	289	2.8
		2011	4	*	*	378	2.1
		2010	3	*	*	428	0.9
Total All Race/Ethnic Groups		2013	61,039	79.9	10.5	66,266	36.9
		2012	61,308	79.8	10.6	67,036	38.0
		2011	60,703	81.1	9.2	67,132	36.7
		2010	58,935	80.9	8.9	67,582	37.6

(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 22C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

Michigan

**Summary of Trends in Smoking Indicators by Race/Ethnicity**

<b>Summary of Trends in Smoking Indicators by Race/Ethnicity</b> (2)											
Race/Ethnicity and Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household					
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum			
	Number	%	Number	%		Number	%	Number	%		
White, Not Hispanic	2013	34,978	40.0	34,387	22.8	12,572	31.8	30,488	15.7	34,405	4.3
	2012	36,045	40.6	35,085	23.0	12,012	34.6	31,348	16.9	35,073	4.6
	2011	37,127	41.1	35,209	22.6	12,222	35.6	32,174	17.8	35,185	5.2
	2010	37,359	41.8	33,774	23.7	11,913	34.3	32,488	19.1	33,783	5.8
Black, Not Hispanic	2013	17,239	22.4	17,682	8.6	3,489	49.8	15,242	16.9	17,709	7.5
	2012	17,145	21.8	17,193	8.8	3,024	50.9	15,010	17.8	17,222	6.6
	2011	17,260	21.9	16,912	9.1	2,936	52.3	14,856	18.4	16,914	7.1
	2010	17,779	21.8	16,613	9.0	2,827	49.5	15,074	19.5	16,608	8.1

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

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

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

**Table 22C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**

**Summary of Trends in Smoking Indicators by Race/Ethnicity**

<b>Summary of Trends in Smoking Indicators by Race/Ethnicity</b> (2)											
Race/Ethnicity and Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household					
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum			
	Number	%	Number	%		Number	%	Number	%		
Hispanic	2013	6,121	16.7	6,088	6.7	958	49.0	5,663	7.5	6,085	2.2
	2012	6,291	16.0	6,212	6.1	867	53.5	5,851	7.1	6,200	2.3
	2011	6,421	15.0	6,269	5.6	823	55.4	5,923	7.7	6,261	3.0
	2010	6,734	15.0	6,465	5.5	818	52.1	6,154	8.1	6,464	2.9
American Indian/Alaska Native	2013	232	52.2	217	34.6	117	21.4	211	20.4	214	8.4
	2012	235	51.9	216	31.5	98	*	212	17.5	217	9.7
	2011	247	53.0	221	37.6	106	25.5	226	18.1	223	7.2
	2010	209	51.2	207	32.9	91	*	187	18.2	207	6.8

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

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

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

**Table 22C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**

**Summary of Trends in Smoking Indicators by Race/Ethnicity**

<b>Summary of Trends in Smoking Indicators by Race/Ethnicity</b> (2)										
Race/Ethnicity and Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	%	Number	%		Number	%	Number	%	
Asian/Pacific Islander										
2013	1,293	5.5	1,264	1.3	64	*	1,084	3.0	1,265	1.6
2012	1,237	4.4	1,182	0.9	42	*	1,026	3.5	1,181	1.1
2011	1,110	4.7	1,037	1.8	41	*	935	5.2	1,034	2.3
2010	1,153	5.1	1,024	1.6	42	*	948	5.1	1,024	2.5
Multiple Races										
2013	2,154	42.9	2,147	24.1	842	33.4	1,956	20.2	2,149	6.5
2012	2,111	40.6	2,095	22.7	725	34.8	1,928	18.9	2,096	5.7
2011	1,878	42.1	1,774	24.3	623	35.0	1,672	23.3	1,781	7.1
2010	1,683	42.1	1,563	23.5	566	34.8	1,519	24.4	1,559	7.9

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

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

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

**Table 22C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**

**Summary of Trends in Smoking Indicators by Race/Ethnicity**

<b>Summary of Trends in Smoking Indicators by Race/Ethnicity</b> (2)											
Race/Ethnicity and Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household					
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum			
	Number	%	Number	%		Number	%	Number	%		
All Other/Unknown	2013	4	*	3	*	0	*	1	*	3	*
	2012	8	*	5	*	1	*	5	*	5	*
	2011	5	*	5	*	0	*	0	*	5	*
	2010	3	*	3	*	0	*	0	*	3	*
Total All Race/Ethnic Groups	2013	62,025	32.3	61,793	16.8	18,044	36.4	54,649	15.1	61,835	5.0
	2012	63,072	32.4	61,988	16.9	16,769	38.6	55,380	16.0	61,994	4.9
	2011	64,048	32.8	61,427	16.9	16,751	39.5	55,786	16.8	61,403	5.5
	2010	64,920	32.9	59,649	17.3	16,257	37.9	56,370	17.9	59,648	6.1

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

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

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

**Table 23C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 06/29/2014

**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> (2)										
Race/Ethnicity and Year		Birthweight			Preterm		Full Term LBW		Ever Breastfed	
		Low		High	(5)		(6)			
		(3)	(4)							
		Number	%	%	Number	%	Number	%	Number	%
White, Not Hispanic										
	2013	32,152	7.2	8.9	33,207	9.9	28,774	3.0	32,243	68.9
	2012	32,941	7.2	8.9	33,927	10.5	29,275	3.0	33,177	66.8
	2011	33,198	7.0	8.6	34,052	10.1	29,612	2.8	33,409	65.9
	2010	31,628	6.8	8.7	32,664	10.4	28,162	2.8	31,715	64.7
Black, Not Hispanic										
	2013	16,803	12.2	3.8	17,344	14.6	14,251	5.4	16,733	49.5
	2012	16,377	12.7	3.8	16,849	15.7	13,690	5.3	16,429	47.6
	2011	16,193	12.7	4.1	16,543	15.1	13,609	5.5	16,250	47.5
	2010	15,843	12.6	4.0	16,244	15.3	13,259	5.8	15,749	46.3

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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

**Table 23C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**

**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> (2)										
Race/Ethnicity and Year		Birthweight			Preterm		Full Term LBW		Ever Breastfed	
		Low		High	(5)		(6)			
		(3)	(4)							
		Number	%	%	Number	%	Number	%	Number	%
Hispanic										
	2013	5,665	6.9	8.3	5,812	11.8	4,956	2.8	5,696	67.2
	2012	5,766	6.5	8.5	5,924	11.2	5,068	2.6	5,809	64.6
	2011	5,821	6.4	7.6	6,001	11.8	5,084	2.7	5,881	62.9
	2010	6,015	6.3	7.5	6,200	12.2	5,223	2.3	6,066	65.8
American Indian/Alaska Native										
	2013	193	3.6	13.0	200	11.5	170	1.2	193	63.7
	2012	202	5.9	11.4	211	10.0	180	2.2	201	71.1
	2011	202	6.4	14.4	206	10.2	179	3.4	205	65.4
	2010	186	3.8	12.9	193	9.8	165	1.2	186	65.6

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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

**Table 23C**  
**2013 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> (2)										
Race/Ethnicity and Year		Birthweight			Preterm		Full Term LBW		Ever Breastfed	
		Low		High	(5)		(6)			
		(3)	(4)							
		Number	%	%	Number	%	Number	%	Number	%
Asian/Pacific Islander										
	2013	1,187	7.9	3.8	1,218	11.2	1,048	3.6	1,200	73.4
	2012	1,118	10.6	4.4	1,154	12.2	977	6.3	1,125	72.4
	2011	953	9.3	3.6	999	12.3	825	5.2	971	71.9
	2010	960	8.4	5.3	997	10.2	861	3.9	970	73.0
Multiple Races										
	2013	2,021	8.9	6.4	2,094	11.4	1,777	3.9	2,029	66.3
	2012	1,959	9.4	6.8	2,041	13.2	1,682	3.6	1,970	65.0
	2011	1,669	8.5	6.5	1,717	10.8	1,467	3.4	1,681	64.4
	2010	1,441	8.7	7.6	1,498	11.7	1,255	4.1	1,439	63.6

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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

**Table 23C**  
**2013 Pregnancy Nutrition Surveillance** (1)

Run Date: 06/29/2014

**Michigan**

**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> (2)										
Race/Ethnicity and Year		Birthweight			Preterm		Full Term LBW		Ever Breastfed	
		Low (3)		High (4)	(5)		(6)			
		Number	%	%	Number	%	Number	%	Number	%
All Other/Unknown										
	2013	3	*	*	2	*	2	*	3	*
	2012	5	*	*	5	*	5	*	42	*
	2011	4	*	*	5	*	4	*	4	*
	2010	2	*	*	3	*	2	*	2	*
Total All Race/Ethnic Groups										
	2013	58,028	8.7	7.2	59,882	11.5	50,981	3.7	58,101	63.1
	2012	58,368	8.8	7.3	60,111	12.1	50,877	3.7	58,753	61.2
	2011	58,040	8.6	7.1	59,523	11.7	50,780	3.6	58,401	60.5
	2010	56,075	8.5	7.2	57,799	12.0	48,927	3.6	56,127	59.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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