

**Table 1C**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Demographic Indicators** <sup>(2)</sup>

Total Records	Number	%	Source of Data	Number	%
Complete Records	2,778	69.9	WIC	3,975	100.0
Prenatal Records	394	9.9	Maternal Health	0	0.0
Postpartum Records	803	20.2	Other	0	0.0
<b>Total Records Accepted</b>	<b>3,975</b>		<b>Total</b>	<b>3,975</b>	<b>100.0</b>
			<i>Excluded Unknown: 0</i>	<i>0.0</i>	

Race/Ethnic Distribution	Number	%
White, Not Hispanic	2,585	65.1
Black, Not Hispanic	213	5.4
Hispanic	283	7.1
American Indian/Alaska Native	700	17.6
Asian/Pacific Islander	61	1.5
Multiple Races	130	3.3
All Other	0	0.0
<b>Total</b>	<b>3,972</b>	<b>100.0</b>
<i>Excluded Unknown: 3</i>		<i>0.1</i>

Age Distribution	Number	%
< 15 Years	13	0.3
15 - 17 Years	147	3.7
18 - 19 Years	550	13.8
20 - 29 Years	2,554	64.3
30 - 39 Years	672	16.9
>= 40 Years	39	1.0
<b>Total</b>	<b>3,975</b>	<b>100.0</b>
<i>Excluded Unknown: 0</i>		<i>0.0</i>

Education Distribution	Number	%
< High School	843	23.1
High School	1,605	43.9
> High School	1,207	33.0
<b>Total</b>	<b>3,655</b>	<b>100.0</b>
<i>Excluded Unknown: 320</i>		<i>8.1</i>

% Poverty Level	Number	%
0 - 50	1,120	35.8
51 - 100	765	24.4
101 - 130	456	14.6
131 - 150	272	8.7
151 - 185	381	12.2
186 - 200	27	0.9
> 200	110	3.5
Adjunctive Eligibility	0	0.0
<b>Total</b>	<b>3,131</b>	<b>100.0</b>
<i>Excluded Unknown: 41</i>		<i>1.3</i>

Program Participation <sup>(3)</sup>	Number	%
WIC	3,172	100.0
SNAP	3,169	25.2
Medicaid	3,169	56.6
TANF	3,169	2.0
<i>Excluded Unknown:</i>		
<i>WIC:</i>	<i>0</i>	<i>0.0</i>
<i>SNAP:</i>	<i>3</i>	<i>0.1</i>
<i>Medicaid:</i>	<i>3</i>	<i>0.1</i>
<i>TANF:</i>	<i>3</i>	<i>0.1</i>

Migrant Status	Number	%
Yes	8	0.2
No	3,967	99.8
<b>Total</b>	<b>3,975</b>	<b>100.0</b>
<i>Excluded Unknown: 0</i>		<i>0.0</i>

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

(2) Excludes records with unknown data or errors.

(3) Prenatal program participation.

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



**Table 2C**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Health Indicators**

Summary of Health Indicators (2)				
	North Dakota Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Prepregnancy BMI (3)				
Underweight	3,445	3.0	1,106,370	4.5
Normal Weight	3,445	39.1	1,106,370	42.1
Overweight	3,445	26.0	1,106,370	26.0
Obese	3,445	31.8	1,106,370	27.4
Maternal Weight Gain (4)				
Less Than Ideal	2,946	17.2	835,927	21.5
Ideal	2,946	31.2	835,927	30.6
Greater Than Ideal	2,946	51.6	835,927	48.0
Anemia (Low Hb/Hct) (5)				
1st Trimester	1,341	3.6	419,016	7.6
2nd Trimester	1,069	6.9	333,582	12.0
3rd Trimester	594	27.6	164,201	33.9
Postpartum	2,228	21.5	346,981	28.1
Parity (6)				
0	2,257	17.1	965,206	40.3
1	2,257	35.4	965,206	26.8
2	2,257	24.1	965,206	16.7
≥ 3	2,257	23.4	965,206	16.3
Interpregnancy Interval				
< 6 Months	2,222	15.6	554,361	11.7
6 - <18 Months	2,222	30.1	554,361	25.9
≥18 Months	2,222	54.3	554,361	62.4
Gestational Diabetes	3,329	6.5	419,956	5.2
Hypertension During Pregnancy	3,323	12.5	467,675	6.3

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

(2) Excludes records with unknown data or 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 CDC 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 weeks gestation.

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



**Table 2C**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Health Indicators**

Summary of Health Indicators (2)				
	North Dakota Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Medical Care				
1st Trimester	3,563	21.2	429,770	83.1
No Care	3,563	75.8	429,770	4.1
WIC Enrollment				
1st Trimester	3,464	42.0	1,074,863	36.0
2nd Trimester	3,464	30.2	1,074,863	33.9
3rd Trimester	3,464	18.0	1,074,863	16.9
Postpartum (3)	3,464	9.8	1,074,863	13.2
Prepregnancy Multivitamin Consumption (4)	3,061	23.8	380,154	19.2
Multivitamin Consumption During Pregnancy (5)	2,669	94.4	418,448	85.0
Smoking				
3 Months Prior to Pregnancy	3,190	44.4	814,631	23.0
During Pregnancy	3,060	26.0	710,227	14.0
Last 3 Months of Pregnancy	3,346	25.0	715,034	12.1
Postpartum	3,323	27.1	722,233	14.1
Smoking Changes (6)				
Quit Smoking by First Prenatal Visit	1,321	41.2	166,084	43.5
Quit Smoking by First Prenatal Visit and Stayed Off Cigarettes	1,090	35.3	137,883	38.1
Smoking in Household				
During Pregnancy	3,001	11.4	660,570	16.3
Postpartum	3,235	4.0	562,126	15.6
Drinking				
3 Months Prior to Pregnancy	1,293	23.2	930,233	8.8
Last 3 Months of Pregnancy	3,319	0.7	577,187	0.4

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

(2) Excludes records with unknown data or 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**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Health Indicators**

Summary of Health Indicators (2)				
	North Dakota Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Birthweight (3)				
Very Low	2,633	1.0	880,933	1.1
Low	2,633	7.1	880,933	6.9
Normal	2,633	81.6	880,933	85.3
High	2,633	10.3	880,933	6.7
Preterm (4)	2,364	9.7	948,286	10.7
Full term Low Birth Weight (5)	2,106	2.8	749,107	3.4
Multiple Births	3,581	1.1	978,390	1.4
Breastfeeding				
Ever Breastfed	2,704	64.8	871,811	68.2

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

(2) Excludes records with unknown data or 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 and <2500 g.



**Table 3C**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Comparison of Racial and Ethnic Distribution</b> <sup>(2)</sup>								
	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
<b>North Dakota</b>	<b>3,975</b>	<b>65.0</b>	<b>5.4</b>	<b>7.1</b>	<b>17.6</b>	<b>1.5</b>	<b>3.3</b>	<b>0.1</b>
<b>Nation (Prior Year)</b>	<b>1,162,961</b>	<b>41.6</b>	<b>22.7</b>	<b>29.2</b>	<b>1.1</b>	<b>3.4</b>	<b>1.3</b>	<b>0.7</b>

(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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Age Distribution by Contributor to Nation**

<b>Comparison of Age Distribution</b> <sup>(2)</sup>								
	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
<b>North Dakota</b>	<b>3,975</b>	<b>0.3</b>	<b>3.7</b>	<b>13.8</b>	<b>64.3</b>	<b>16.9</b>	<b>1.0</b>	<b>0.0</b>
<b>Nation (Prior Year)</b>	<b>1,162,961</b>	<b>0.3</b>	<b>5.3</b>	<b>11.5</b>	<b>59.4</b>	<b>21.7</b>	<b>1.7</b>	<b>0.2</b>

(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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**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	%				
<b>North Dakota</b>	<b>3,445</b>	<b>3.0</b>	<b>57.9</b>	<b>2,946</b>	<b>17.2</b>	<b>51.6</b>	<b>594</b>	<b>27.6</b>	<b>2,228</b>	<b>21.5</b>	<b>3,329</b>	<b>6.5</b>	<b>3,323</b>	<b>12.5</b>
<b>Nation (Prior Year)</b>	<b>1,106,370</b>	<b>4.5</b>	<b>53.4</b>	<b>835,927</b>	<b>21.5</b>	<b>48.0</b>	<b>164,201</b>	<b>33.9</b>	<b>346,981</b>	<b>28.1</b>	<b>419,956</b>	<b>5.2</b>	<b>467,675</b>	<b>6.3</b>

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

(2) Excludes records with unknown data or 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 prepregnancy (ideal weight 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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

**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 (3)		During Pregnancy (4)	
	Number	%	%	Number	%	Number	%	Number	%
<b>North Dakota</b>	<b>3,563</b>	<b>21.2</b>	<b>75.8</b>	<b>3,464</b>	<b>42.0</b>	<b>3,061</b>	<b>23.8</b>	<b>2,669</b>	<b>94.4</b>
<b>Nation (Prior Year)</b>	<b>429,770</b>	<b>83.1</b>	<b>4.1</b>	<b>1,074,863</b>	<b>36.0</b>	<b>380,154</b>	<b>19.2</b>	<b>418,448</b>	<b>85.0</b>

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

(2) Excludes records with unknown data or errors.

(3) Women 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**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**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>North Dakota</b>	<b>3,190</b>	<b>44.4</b>	<b>3,346</b>	<b>25.0</b>	<b>1,090</b>	<b>35.3</b>	<b>3,001</b>	<b>11.4</b>	<b>3,235</b>	<b>4.0</b>
<b>Nation (Prior Year)</b>	<b>814,631</b>	<b>23.0</b>	<b>715,034</b>	<b>12.1</b>	<b>137,883</b>	<b>38.1</b>	<b>660,570</b>	<b>16.3</b>	<b>562,126</b>	<b>15.6</b>

(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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Infant Health Indicators by Contributor to Nation**

<b>Comparison of Infant Health Indicators</b> <sup>(2)</sup>									
	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)	High (4)							
	Number	%	%	Number	%	Number	%	Number	%
<b>North Dakota</b>	<b>2,633</b>	<b>8.1</b>	<b>10.3</b>	<b>2,364</b>	<b>9.7</b>	<b>2,106</b>	<b>2.8</b>	<b>2,704</b>	<b>64.8</b>
<b>Nation (Prior Year)</b>	<b>880,933</b>	<b>8.0</b>	<b>6.7</b>	<b>948,286</b>	<b>10.7</b>	<b>749,107</b>	<b>3.4</b>	<b>871,811</b>	<b>68.2</b>

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

(2) Excludes records with unknown data or 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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Maternal Health Indicators by Race/Ethnicity, Age, or Education**

**Maternal Health Indicators by Race/Ethnicity, Age, or Education** <sup>(2)</sup>

	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				Gestational Diabetes		Hypertension During Pregnancy		
	Number	Under- weight	Over- weight	Number	< Ideal	> Ideal	3rd Trimester		Postpartum		Number	%	Number	%	
		%	%		%	%	Number	%	Number	%					
<b>Race/Ethnicity</b>															
White, Not Hispanic	2,216	3.4	55.8	1,886	15.5	53.4	404	23.8	1,382	16.4	2,161	6.1	2,156	13.1	
Black, Not Hispanic	188	1.6	56.4	161	30.4	29.8	36	*	119	34.5	174	5.7	173	5.8	
Hispanic	250	2.4	63.2	217	17.5	52.5	39	*	156	19.2	221	9.0	221	8.6	
American Indian/Alaska Native	620	2.6	64.5	543	19.0	53.2	86	*	458	32.3	618	6.6	617	14.4	
Asian/Pacific Islander	49	*	*	40	*	*	9	*	33	*	48	*	48	*	
Multiple Races	121	1.7	60.3	99	*	*	20	*	79	*	106	9.4	107	13.1	
All Other/Unknown	1	*	*	0	*	*	0	*	1	*	1	*	1	*	
<b>Total</b>	<b>3,445</b>	<b>3.0</b>	<b>57.9</b>	<b>2,946</b>	<b>17.2</b>	<b>51.6</b>	<b>594</b>	<b>27.6</b>	<b>2,228</b>	<b>21.5</b>	<b>3,329</b>	<b>6.5</b>	<b>3,323</b>	<b>12.5</b>	
<b>Age</b>															
< 15 Years	11	*	*	9	*	*	1	*	8	*	9	*	9	*	
15 - 17 Years	120	5.0	38.3	109	19.3	54.1	20	*	79	*	119	1.7	119	18.5	
18 - 19 Years	493	5.5	43.2	412	14.3	53.2	101	26.7	310	26.1	437	3.7	435	12.9	
20 - 29 Years	2,208	2.8	59.1	1,887	16.6	52.9	365	27.1	1,427	21.4	2,152	5.3	2,146	11.7	
30 - 39 Years	581	1.7	69.5	500	21.6	45.6	101	28.7	377	18.0	578	13.5	580	14.0	
>= 40 Years	32	*	*	29	*	*	6	*	27	*	34	*	34	*	
Unknown	0	*	*	0	*	*	0	*	0	*	0	*	0	*	
<b>Total</b>	<b>3,445</b>	<b>3.0</b>	<b>57.9</b>	<b>2,946</b>	<b>17.2</b>	<b>51.6</b>	<b>594</b>	<b>27.6</b>	<b>2,228</b>	<b>21.5</b>	<b>3,329</b>	<b>6.5</b>	<b>3,323</b>	<b>12.5</b>	
<b>Education</b>															
< High School	734	3.3	53.7	630	17.6	52.4	129	37.2	474	27.6	705	6.1	703	12.2	
High School	1,417	3.0	60.8	1,215	17.5	51.9	236	25.8	883	21.0	1,347	6.9	1,346	12.9	
> High School	1,026	2.6	58.0	863	15.2	53.0	192	20.8	680	17.1	1,002	7.0	999	13.2	
Unknown	268	4.5	53.4	238	22.3	42.9	37	*	191	24.1	275	4.0	275	9.1	
<b>Total</b>	<b>3,445</b>	<b>3.0</b>	<b>57.9</b>	<b>2,946</b>	<b>17.2</b>	<b>51.6</b>	<b>594</b>	<b>27.6</b>	<b>2,228</b>	<b>21.5</b>	<b>3,329</b>	<b>6.5</b>	<b>3,323</b>	<b>12.5</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 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).

(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 10C**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**

**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		Pregnancy (3)		During Pregnancy (4)	
	Number	%	%	Number	%	Number	%	Number	%
<b>Race/Ethnicity</b>									
White, Not Hispanic	2,317	24.0	73.2	2,223	42.2	1,980	27.0	1,757	94.3
Black, Not Hispanic	190	18.9	79.5	187	37.4	138	14.5	125	91.2
Hispanic	252	21.8	75.8	250	40.0	230	21.3	180	96.7
American Indian/Alaska Native	637	12.1	83.7	626	42.5	560	14.6	477	95.4
Asian/Pacific Islander	53	*	*	53	*	47	*	39	*
Multiple Races	113	19.5	76.1	123	43.9	106	25.5	90	*
All Other/Unknown	1	*	*	2	*	0	*	1	*
<b>Total</b>	<b>3,563</b>	<b>21.2</b>	<b>75.8</b>	<b>3,464</b>	<b>42.0</b>	<b>3,061</b>	<b>23.8</b>	<b>2,669</b>	<b>94.4</b>
<b>Age</b>									
< 15 Years	11	*	*	13	*	13	*	11	*
15 - 17 Years	133	21.1	74.4	130	41.5	108	6.5	91	*
18 - 19 Years	477	16.1	80.7	507	42.4	448	12.1	409	96.1
20 - 29 Years	2,297	21.5	75.7	2,207	41.8	1,984	23.6	1,714	94.0
30 - 39 Years	608	24.2	72.0	574	43.4	481	38.5	421	93.6
>= 40 Years	37	*	*	33	*	27	*	23	*
Unknown	0	*	*	0	*	0	*	0	*
<b>Total</b>	<b>3,563</b>	<b>21.2</b>	<b>75.8</b>	<b>3,464</b>	<b>42.0</b>	<b>3,061</b>	<b>23.8</b>	<b>2,669</b>	<b>94.4</b>
<b>Education</b>									
< High School	752	16.1	81.5	751	42.5	670	14.9	553	94.9
High School	1,436	20.5	76.0	1,416	43.6	1,291	21.5	1,115	94.0
> High School	1,078	25.9	71.3	1,028	41.2	917	33.8	828	94.4
Unknown	297	20.2	76.1	269	35.3	183	21.9	173	94.8
<b>Total</b>	<b>3,563</b>	<b>21.2</b>	<b>75.8</b>	<b>3,464</b>	<b>42.0</b>	<b>3,061</b>	<b>23.8</b>	<b>2,669</b>	<b>94.4</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) Women 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 11C**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Smoking Indicators by Race/Ethnicity, Age, or Education**

<b>Smoking Indicators by Race/Ethnicity, Age, or Education</b> <sup>(2)</sup>										
	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	%	Number	%
<b>Race/Ethnicity</b>										
White, Not Hispanic	2,021	44.6	2,175	25.1	683	36.5	1,904	10.4	2,107	3.8
Black, Not Hispanic	173	9.8	175	4.6	12	*	166	1.8	164	0.0
Hispanic	230	27.8	223	10.3	51	*	224	10.7	215	2.8
American Indian/Alaska Native	605	60.8	619	36.5	299	31.8	559	18.1	604	6.5
Asian/Pacific Islander	50	*	49	*	3	*	45	*	44	*
Multiple Races	110	50.0	104	30.8	42	*	102	14.7	100	3.0
All Other/Unknown	1	*	1	*	0	*	1	*	1	*
<b>Total</b>	<b>3,190</b>	<b>44.4</b>	<b>3,346</b>	<b>25.0</b>	<b>1,090</b>	<b>35.3</b>	<b>3,001</b>	<b>11.4</b>	<b>3,235</b>	<b>4.0</b>
<b>Age</b>										
< 15 Years	13	*	10	*	3	*	13	*	10	*
15 - 17 Years	111	39.6	119	20.2	34	*	116	27.6	116	13.8
18 - 19 Years	468	54.7	441	23.4	196	46.9	449	20.9	423	4.5
20 - 29 Years	2,060	45.0	2,161	27.0	715	32.6	1,919	9.1	2,089	3.7
30 - 39 Years	511	35.0	581	20.7	138	32.6	478	7.7	564	2.5
>= 40 Years	27	*	34	*	4	*	26	*	33	*
Unknown	0	*	0	*	0	*	0	*	0	*
<b>Total</b>	<b>3,190</b>	<b>44.4</b>	<b>3,346</b>	<b>25.0</b>	<b>1,090</b>	<b>35.3</b>	<b>3,001</b>	<b>11.4</b>	<b>3,235</b>	<b>4.0</b>
<b>Education</b>										
< High School	708	56.9	708	37.1	307	29.6	663	19.3	687	7.3
High School	1,333	48.9	1,350	28.1	503	35.2	1,243	10.1	1,304	4.1
> High School	928	30.8	1,010	13.7	226	43.8	887	6.8	976	1.8
Unknown	221	33.9	278	20.9	54	*	208	14.4	268	3.4
<b>Total</b>	<b>3,190</b>	<b>44.4</b>	<b>3,346</b>	<b>25.0</b>	<b>1,090</b>	<b>35.3</b>	<b>3,001</b>	<b>11.4</b>	<b>3,235</b>	<b>4.0</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**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Infant Health Indicators by Race/Ethnicity, Age, or Education**

Infant Health Indicators by Race/Ethnicity, Age, or Education (2)									
	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)	High (4)						
	Number	%	%	Number	%	Number	%	Number	%
<b>Race/Ethnicity</b>									
White, Not Hispanic	1,657	8.4	9.5	1,460	9.0	1,310	3.2	1,706	67.9
Black, Not Hispanic	152	7.9	6.6	142	7.0	130	3.1	154	87.7
Hispanic	179	3.9	8.9	163	9.2	146	1.4	182	64.3
American Indian/Alaska Native	522	9.0	14.0	482	12.4	416	2.2	534	46.8
Asian/Pacific Islander	39	*	*	35	*	34	*	40	*
Multiple Races	83	*	*	82	*	70	*	87	*
All Other/Unknown	1	*	*	0	*	0	*	1	*
<b>Total</b>	<b>2,633</b>	<b>8.1</b>	<b>10.3</b>	<b>2,364</b>	<b>9.7</b>	<b>2,106</b>	<b>2.8</b>	<b>2,704</b>	<b>64.8</b>
<b>Age</b>									
< 15 Years	6	*	*	6	*	6	*	6	*
15 - 17 Years	93	*	*	85	*	76	*	95	*
18 - 19 Years	336	7.4	9.5	313	11.2	275	3.3	343	60.3
20 - 29 Years	1,710	6.8	9.5	1,532	8.4	1,385	3.0	1,757	64.4
30 - 39 Years	458	7.9	14.2	402	12.7	344	1.7	473	70.4
>= 40 Years	30	*	*	26	*	20	*	30	*
Unknown	0	*	*	0	*	0	*	0	*
<b>Total</b>	<b>2,633</b>	<b>8.1</b>	<b>10.3</b>	<b>2,364</b>	<b>9.7</b>	<b>2,106</b>	<b>2.8</b>	<b>2,704</b>	<b>64.8</b>
<b>Education</b>									
< High School	543	8.1	9.0	504	11.3	439	3.2	559	52.1
High School	1,058	6.3	10.6	951	8.8	861	2.4	1,079	60.4
> High School	804	8.0	11.3	707	10.5	622	3.2	833	75.8
Unknown	228	4.8	8.3	202	6.9	184	2.2	233	76.8
<b>Total</b>	<b>2,633</b>	<b>8.1</b>	<b>10.3</b>	<b>2,364</b>	<b>9.7</b>	<b>2,106</b>	<b>2.8</b>	<b>2,704</b>	<b>64.8</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**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**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)			Birth Outcomes						
	< Ideal	> Ideal		Birthweight			Preterm (6)	Full Term LBW (7)		
		Number	%	%	Low (4)	High (5)				
	Number	%	%	Number	%	%	Number	%	Number	%
<b>Prepregnancy BMI</b>										
Underweight	92	*	*	71	*	*	72	*	67	*
Normal Weight	1,157	21.0	39.9	852	7.4	6.3	864	9.6	768	2.9
Overweight	781	9.1	65.6	600	6.0	11.8	605	7.8	551	2.7
Obese	916	18.6	58.0	743	7.4	14.9	751	11.1	661	1.8
<b>Weight Gain</b>										
< Ideal	-	-	-	341	13.2	6.5	347	16.4	285	5.3
Ideal	-	-	-	690	7.8	5.8	700	8.4	633	3.6
> Ideal	-	-	-	1,188	4.8	14.7	1,196	7.8	1,091	1.2
<b>Smoking During Pregnancy</b>										
Smokers	654	18.8	52.8	522	9.6	9.4	526	10.6	463	5.2
Non-Smokers	1,883	16.5	52.0	1,485	5.4	11.5	1,505	7.3	1,378	2.2

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

(2) Excludes records with unknown data or 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 prepregnancy (ideal weight 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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Racial and Ethnic Distribution**

<b>Summary of Trends in Racial and Ethnic Distribution</b> <sup>(2)</sup>								
Year	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
2011	3,975	65.0	5.4	7.1	17.6	1.5	3.3	0.1
2010	4,100	67.3	4.5	7.1	17.0	1.5	2.6	0.1
2009	4,074	67.6	4.1	7.6	17.0	1.1	2.7	0.1
2008	4,201	67.8	3.4	7.3	17.5	1.2	2.7	0.0
2007	4,281	67.3	3.3	7.8	17.4	1.3	2.6	0.3
2006	0	*	*	*	*	*	*	*
2005	3,335	71.0	3.0	4.2	20.6	1.2	0.0	0.0
2004	3,242	74.2	2.8	4.3	17.5	1.2	0.0	0.0
2003	3,668	73.2	3.0	5.2	17.6	1.0	0.0	0.0
2002	3,628	75.2	2.4	4.0	17.4	1.0	0.0	0.0
2001	2,671	73.6	3.3	4.5	17.3	1.3	0.0	0.0
2000	3,556	76.1	2.5	4.0	16.0	1.3	0.0	0.0
1999	3,567	77.5	2.7	4.0	14.6	1.2	0.0	0.0
1998	3,773	77.4	2.6	4.7	14.4	0.9	0.0	0.0
1997	3,947	78.2	2.3	4.2	14.0	1.3	0.0	0.0
1996	2,573	79.4	2.3	3.6	13.0	1.7	0.0	0.0
1995	3,633	81.8	1.9	3.5	11.3	1.4	0.0	0.0
1994	0	*	*	*	*	*	*	*
1993	2,573	80.4	1.6	2.7	13.8	1.5	0.0	0.0
1992	988	78.7	1.9	2.7	15.5	1.1	0.0	0.0
1991	1,504	80.6	1.3	3.1	14.2	0.8	0.0	0.0

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

(2) Excludes records with unknown data or errors.

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



**Table 14C**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Racial and Ethnic Distribution**

<b>Summary of Trends in Racial and Ethnic Distribution</b> <sup>(2)</sup>								
Year	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
1990	2,784	81.0	1.5	3.2	13.3	1.0	0.0	0.0
1989	1,387	78.2	1.6	2.6	16.3	1.4	0.0	0.0

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

(2) Excludes records with unknown data or errors.

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



**Table 15C**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Age Distribution**

<b>Summary of Trends in Age Distribution</b> <sup>(2)</sup>								
Year	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
2011	3,975	0.3	3.7	13.8	64.3	16.9	1.0	0.0
2010	4,100	0.2	4.9	13.1	64.5	16.2	1.0	0.0
2009	4,074	0.1	4.4	13.2	64.5	16.7	1.0	0.1
2008	4,201	0.1	5.0	12.7	65.7	15.4	1.0	0.0
2007	4,281	0.3	4.9	12.9	66.6	14.4	1.0	0.0
2006	0	*	*	*	*	*	*	*
2005	3,335	0.3	5.0	12.6	66.6	14.2	1.0	0.3
2004	3,242	0.2	4.3	13.2	64.8	16.1	0.9	0.4
2003	3,668	0.2	4.7	14.4	64.6	14.7	1.0	0.4
2002	3,628	0.2	5.1	15.4	63.2	14.9	0.9	0.3
2001	2,671	0.2	6.1	15.7	62.0	14.6	0.9	0.4
2000	3,556	0.1	5.8	15.9	60.5	16.0	1.0	0.6
1999	3,567	0.3	5.3	14.5	62.2	16.3	0.9	0.4
1998	3,773	0.3	6.5	13.8	62.1	15.7	1.0	0.6
1997	3,947	0.3	5.7	13.9	62.5	15.9	0.9	0.8
1996	2,573	0.3	5.6	14.7	61.3	16.6	0.7	0.8
1995	3,633	0.5	6.1	13.8	62.8	15.3	0.9	0.7
1994	0	*	*	*	*	*	*	*
1993	2,573	0.3	7.0	14.5	60.5	16.3	0.8	0.5
1992	988	0.3	6.0	16.7	59.9	16.1	0.3	0.7

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

(2) Excludes records with unknown data or errors.

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



**Table 15C**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Age Distribution**

<b>Summary of Trends in Age Distribution</b> <sup>(2)</sup>								
Year	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
1991	1,504	0.5	4.9	15.0	62.4	15.7	0.7	0.8
1990	2,784	0.1	5.6	14.4	64.0	14.5	0.6	0.8
1989	1,387	0.1	5.6	13.8	62.5	16.7	0.6	0.7

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

(2) Excludes records with unknown data or errors.

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



**Table 16C**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Maternal Health Indicators**

<b>Summary of Trends in Maternal Health Indicators</b> <sup>(2)</sup>										
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	%
2011	3,445	3.0	57.9	2,946	17.2	51.6	594	27.6	2,228	21.5
2010	3,568	2.9	56.1	2,929	17.2	50.1	622	28.5	2,527	21.7
2009	3,504	2.8	56.5	2,990	15.8	52.6	636	27.2	2,030	21.3
2008	3,586	2.6	55.1	3,009	15.3	53.7	663	26.7	2,638	20.4
2007	3,532	2.7	56.1	2,911	13.9	55.3	615	24.4	3,018	21.2
2006	0	*	*	0	*	*	0	*	0	*
2005	3,162	4.6	52.9	2,192	11.7	55.4	443	22.3	1,896	30.4
2004	3,044	3.8	52.4	2,158	11.4	56.3	419	24.6	1,886	30.4
2003	3,460	4.6	50.1	2,447	12.1	54.5	472	21.6	2,133	25.7
2002	3,409	4.8	49.1	2,382	10.8	55.8	487	24.6	2,034	29.2
2001	2,523	5.3	48.2	1,718	11.5	54.4	311	20.3	1,473	31.0
2000	3,349	5.6	49.2	2,290	11.1	54.3	438	20.8	1,897	31.8
1999	3,295	5.2	46.5	2,195	13.1	51.5	451	22.2	1,954	26.7
1998	3,402	5.6	45.5	2,347	13.6	52.4	455	15.4	2,059	24.5
1997	3,044	5.0	45.3	2,423	13.9	52.5	446	13.5	2,440	13.3

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

(2) Excludes records with unknown data or 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 CDC 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 16C**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Maternal Health Indicators**

Summary of Trends in Maternal Health Indicators <sup>(2)</sup>										
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	%
1996	1,935	6.4	41.3	1,535	13.1	51.3	243	12.3	1,463	15.9
1995	2,810	6.2	41.0	2,353	15.0	48.9	460	15.4	2,275	15.9
1994	0	*	*	0	*	*	0	*	0	*
1993	2,012	7.1	39.2	1,758	19.7	47.0	330	16.1	1,653	13.7
1992	788	5.7	37.2	684	16.8	46.8	144	18.1	614	12.9
1991	1,169	5.6	33.7	988	19.2	44.4	172	15.7	696	13.1
1990	2,038	6.2	36.1	1,703	18.0	47.8	341	20.8	1,309	13.1
1989	1,062	6.7	34.7	867	18.8	44.3	221	20.8	751	13.4

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

(2) Excludes records with unknown data or 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 CDC 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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Maternal Behavioral Indicators**

<b>Summary of Trends in Maternal Behavioral Indicators</b> <sup>(2)</sup>					
Year	Medical Care			WIC Enrollment	
	1st Trimester		No Care	1st Trimester	
	Number	%	%	Number	%
2011	3,563	21.2	75.8	3,464	42.0
2010	2,550	63.5	27.6	3,592	45.1
2009	2,212	87.2	0.0	3,551	43.0
2008	2,182	87.2	0.0	3,616	44.2
2007	2,151	84.6	0.0	3,360	47.0
2006	0	*	*	0	*
2005	2,812	87.9	1.7	3,053	40.0
2004	2,782	87.0	1.9	2,834	42.7
2003	3,131	86.1	1.2	3,221	41.2
2002	3,088	83.6	3.0	3,151	41.0
2001	2,222	83.4	2.4	2,341	41.9
2000	3,019	83.5	3.5	3,093	40.1
1999	3,072	82.6	5.3	3,084	40.0
1998	3,256	73.6	16.2	3,244	40.1
1997	3,380	70.9	18.3	2,895	5.4
1996	2,173	73.4	15.8	1,852	0.8
1995	3,110	71.9	16.8	2,568	0.4

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

(2) Excludes records with unknown data or errors.

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



**Table 17C**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Maternal Behavioral Indicators**

<b>Summary of Trends in Maternal Behavioral Indicators</b> <sup>(2)</sup>					
Year	Medical Care			WIC Enrollment	
	1st Trimester		No Care	1st Trimester	
	Number	%	%	Number	%
1994	0	*	*	0	*
1993	2,268	66.1	21.3	1,850	0.5
1992	882	68.5	18.1	718	0.0
1991	1,297	64.8	20.7	1,023	0.9
1990	2,335	63.4	22.8	1,801	0.4
1989	1,233	62.8	23.5	928	0.0

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

(2) Excludes records with unknown data or errors.

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



**Table 18C**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Smoking Indicators**

<b>Summary of Trends in Smoking Indicators</b> (2)										
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	%	Number	%
2011	3,190	44.4	3,346	25.0	1,090	35.3	3,001	11.4	3,235	4.0
2010	3,278	44.4	3,178	24.3	1,038	33.9	3,133	15.6	3,060	6.7
2009	3,217	46.6	3,245	25.5	1,110	33.3	3,063	18.0	3,114	7.6
2008	3,278	48.1	3,170	24.4	1,120	34.5	3,174	21.7	3,036	12.1
2007	3,110	48.1	3,500	25.9	938	34.6	2,257	21.2	3,355	14.8
2006	0	*	0	*	0	*	0	*	0	*
2005	3,014	48.8	2,578	26.9	985	37.6	2,587	30.7	2,459	23.4
2004	2,901	47.7	2,452	25.1	894	36.5	2,511	32.8	2,376	28.1
2003	3,338	47.8	2,815	26.1	1,039	34.9	2,863	33.5	2,765	27.5
2002	3,253	49.2	2,772	27.5	1,012	32.3	2,761	33.1	2,737	28.6
2001	2,397	49.4	1,983	26.0	707	37.8	2,043	35.0	1,950	30.4
2000	3,180	47.8	2,654	27.2	917	33.9	2,635	33.9	2,609	30.1
1999	3,174	46.6	2,630	26.8	909	30.7	2,584	35.0	2,516	30.0
1998	3,322	47.0	2,842	26.6	979	34.0	2,756	36.9	2,647	31.6
1997	3,484	45.2	2,982	27.6	987	30.1	2,963	35.3	2,922	31.6
1996	2,288	42.4	1,851	25.0	561	31.6	1,897	35.8	1,813	30.2
1995	3,174	42.8	2,786	26.1	850	30.7	2,628	37.0	2,724	32.2

(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 18C**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Smoking Indicators**

<b>Summary of Trends in Smoking Indicators</b> (2)										
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	%	Number	%
1994	0	*	0	*	0	*	0	*	0	*
1993	2,077	43.3	2,001	28.4	215	0.0	1,172	57.8	1,392	47.8
1992	739	47.1	770	30.3	98	*	455	61.8	431	56.8
1991	1,131	40.8	1,103	27.7	151	0.0	1,085	34.2	1,094	31.6
1990	2,052	41.7	1,986	29.3	254	0.0	1,994	33.9	1,973	31.2
1989	917	44.5	1,031	32.1	154	0.0	894	40.0	1,030	33.6

(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 19C**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Infant Health Indicators**

Summary of Trends in Infant Health Indicators (2)									
Year	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)		High (4)						
	Number	%	%	Number	%	Number	%	Number	%
2011	2,633	8.1	10.3	2,364	9.7	2,106	2.8	2,704	64.8
2010	2,186	8.5	7.8	1,924	11.7	1,679	3.0	2,297	39.7
2009	1,677	8.2	8.7	1,394	12.4	1,214	2.1	2,065	27.2
2008	1,902	8.7	9.5	1,621	12.3	1,415	3.0	1,970	32.8
2007	1,930	7.9	11.6	1,471	12.7	1,284	2.6	1,966	21.8
2006	0	*	*	0	*	0	*	0	*
2005	2,342	6.7	9.6	2,141	11.8	1,816	2.6	2,439	56.8
2004	2,362	5.6	10.1	2,049	11.8	1,743	1.8	2,436	54.9
2003	2,758	6.9	9.8	2,328	10.6	2,044	2.1	2,795	54.8
2002	2,695	7.1	9.6	2,284	11.7	1,952	3.4	2,777	54.6
2001	1,941	6.1	10.1	1,666	10.1	1,450	2.3	2,012	52.6
2000	2,490	6.4	10.7	2,237	11.8	1,838	2.1	2,672	54.4
1999	2,508	6.7	11.0	2,204	11.3	1,811	2.1	2,695	50.8
1998	2,728	6.7	11.9	2,387	10.9	1,979	2.1	2,940	49.6

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

(2) Excludes records with unknown data or 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 19C**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Infant Health Indicators**

Summary of Trends in Infant Health Indicators (2)									
Year	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)		High (4)						
	Number	%	%	Number	%	Number	%	Number	%
1997	2,883	6.1	12.1	2,493	9.5	2,113	2.1	3,080	47.8
1996	1,688	5.5	12.0	1,453	9.9	1,253	2.2	1,764	49.7
1995	2,507	5.8	11.2	2,110	10.0	1,799	2.1	2,640	46.4
1994	0	*	*	0	*	0	*	0	*
1993	1,972	5.9	12.1	1,635	9.5	1,406	2.5	943	100.0
1992	787	4.8	13.5	650	9.1	570	2.3	367	100.0
1991	1,082	5.7	10.3	790	8.9	698	3.2	428	99.8
1990	1,919	5.7	13.5	1,458	7.7	1,304	3.0	774	100.0
1989	1,016	6.1	13.3	781	7.9	696	3.3	385	100.0

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

(2) Excludes records with unknown data or 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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Maternal Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>											
Race/Ethnicity and Year		Prepregnancy BMI <sup>(3)</sup>			Weight Gain <sup>(4)</sup>			Anemia (Low Hb/Hct) <sup>(5)</sup>			
		Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
White, Not Hispanic	2011	2,216	3.4	55.8	1,886	15.5	53.4	404	23.8	1,382	16.4
	2010	2,374	3.1	55.5	1,962	15.6	51.4	416	23.8	1,692	18.9
	2009	2,354	2.8	55.4	2,004	14.3	54.0	457	23.0	1,427	17.4
	2008	2,411	2.8	54.2	2,037	14.8	53.9	463	21.4	1,850	16.4
	2007	2,353	3.1	54.1	1,951	12.7	55.8	415	18.6	2,087	16.7
	2006	0	*	*	0	*	*	0	*	0	*
	2005	2,255	5.1	51.4	1,593	11.6	55.7	312	17.9	1,408	28.1
	2004	2,253	4.0	52.0	1,632	11.1	55.3	299	21.7	1,426	27.9
	2003	2,534	4.9	48.5	1,834	11.2	54.1	332	16.9	1,557	25.4
	2002	2,561	5.2	48.0	1,832	10.7	55.8	351	22.8	1,530	28.3
Black, Not Hispanic	2011	188	1.6	56.4	161	30.4	29.8	36	*	119	34.5
	2010	162	3.7	55.6	131	38.2	28.2	30	*	113	31.0
	2009	137	3.6	58.4	118	25.4	35.6	20	*	84	*
	2008	122	1.6	50.8	103	32.0	32.0	24	*	91	*
	2007	115	2.6	54.8	92	*	*	21	*	106	32.1
	2006	0	*	*	0	*	*	0	*	0	*
	2005	94	*	*	64	*	*	13	*	57	*
	2004	80	*	*	50	*	*	18	*	51	*
	2003	99	*	*	70	*	*	15	*	70	*
	2002	80	*	*	51	*	*	14	*	50	*

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

(2) Excludes data with 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 prepregnancy (ideal weight 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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Maternal Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>											
Race/Ethnicity and Year		Prepregnancy BMI <sup>(3)</sup>			Weight Gain <sup>(4)</sup>			Anemia (Low Hb/Hct) <sup>(5)</sup>			
		Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
Hispanic	2011	250	2.4	63.2	217	17.5	52.5	39	*	156	19.2
	2010	257	2.3	51.8	206	19.9	48.1	47	*	168	23.2
	2009	254	1.2	55.9	207	16.9	51.7	43	*	135	27.4
	2008	250	2.4	54.8	200	15.0	55.5	48	*	171	29.8
	2007	273	1.8	59.3	202	15.3	52.5	47	*	205	29.3
	2006	0	*	*	0	*	*	0	*	0	*
	2005	125	2.4	59.2	68	*	*	15	*	58	*
	2004	131	4.6	51.1	65	*	*	18	*	58	*
	2003	171	3.5	60.8	101	15.8	56.4	22	*	85	*
	2002	132	7.6	50.0	66	*	*	16	*	54	*
American Indian/Alaska Native	2011	620	2.6	64.5	543	19.0	53.2	86	*	458	32.3
	2010	630	1.9	64.0	519	15.8	52.2	93	*	449	28.1
	2009	631	2.9	62.4	556	18.2	51.1	97	*	313	32.3
	2008	659	1.7	60.4	551	14.5	55.9	95	*	414	31.4
	2007	659	2.1	62.5	564	15.8	56.0	105	38.1	503	32.8
	2006	0	*	*	0	*	*	0	*	0	*
	2005	650	2.6	59.5	442	10.9	57.2	97	*	350	37.1
	2004	544	2.8	57.5	387	10.1	64.9	77	*	340	35.6
	2003	620	2.9	55.3	416	13.2	57.7	100	34.0	400	25.0
	2002	601	2.3	55.4	403	9.4	58.8	97	*	373	28.7

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

(2) Excludes data with 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 prepregnancy (ideal weight 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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Maternal Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>											
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	2011	49	*	*	40	*	*	9	*	33	*
	2010	51	*	*	41	*	*	15	*	40	*
	2009	35	*	*	28	*	*	9	*	13	*
	2008	41	*	*	33	*	*	12	*	31	*
	2007	37	*	*	28	*	*	7	*	39	*
	2006	0	*	*	0	*	*	0	*	0	*
	2005	38	*	*	25	*	*	6	*	23	*
	2004	36	*	*	24	*	*	7	*	11	*
	2003	36	*	*	26	*	*	3	*	21	*
	2002	35	*	*	30	*	*	9	*	27	*
Multiple Races	2011	121	1.7	60.3	99	*	*	20	*	79	*
	2010	94	*	*	70	*	*	21	*	64	*
	2009	90	*	*	77	*	*	10	*	57	*
	2008	101	3.0	53.5	84	*	*	21	*	80	*
	2007	88	*	*	73	*	*	20	*	78	*
	2006	0	*	*	0	*	*	0	*	0	*
	2005	0	*	*	0	*	*	0	*	0	*
	2004	0	*	*	0	*	*	0	*	0	*
	2003	0	*	*	0	*	*	0	*	0	*
	2002	0	*	*	0	*	*	0	*	0	*

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

(2) Excludes data with 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 prepregnancy (ideal weight 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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Maternal Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>											
Race/Ethnicity and Year		Prepregnancy BMI <sup>(3)</sup>			Weight Gain <sup>(4)</sup>			Anemia (Low Hb/Hct) <sup>(5)</sup>			
		Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
All Other/Unknown	2011	1	*	*	0	*	*	0	*	1	*
	2010	0	*	*	0	*	*	0	*	1	*
	2009	3	*	*	0	*	*	0	*	1	*
	2008	2	*	*	1	*	*	0	*	1	*
	2007	7	*	*	1	*	*	0	*	0	*
	2006	0	*	*	0	*	*	0	*	0	*
	2005	0	*	*	0	*	*	0	*	0	*
	2004	0	*	*	0	*	*	0	*	0	*
	2003	0	*	*	0	*	*	0	*	0	*
	2002	0	*	*	0	*	*	0	*	0	*
Total All Race/Ethnic Groups	2011	3,445	3.0	57.9	2,946	17.2	51.6	594	27.6	2,228	21.5
	2010	3,568	2.9	56.1	2,929	17.2	50.1	622	28.5	2,527	21.7
	2009	3,504	2.8	56.5	2,990	15.8	52.6	636	27.2	2,030	21.3
	2008	3,586	2.6	55.1	3,009	15.3	53.7	663	26.7	2,638	20.4
	2007	3,532	2.7	56.1	2,911	13.9	55.3	615	24.4	3,018	21.2
	2006	0	*	*	0	*	*	0	*	0	*
	2005	3,162	4.6	52.9	2,192	11.7	55.4	443	22.3	1,896	30.4
	2004	3,044	3.8	52.4	2,158	11.4	56.3	419	24.6	1,886	30.4
	2003	3,460	4.6	50.1	2,447	12.1	54.5	472	21.6	2,133	25.7
	2002	3,409	4.8	49.1	2,382	10.8	55.8	487	24.6	2,034	29.2

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

(2) Excludes data with 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 prepregnancy (ideal weight 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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity</b> <sup>(2)</sup>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
White, Not Hispanic	2011	2,317	24.0	73.2	2,223	42.2
	2010	1,669	66.9	26.2	2,378	45.3
	2009	1,462	89.7	0.0	2,381	42.5
	2008	1,497	89.8	0.0	2,427	44.1
	2007	1,444	87.2	0.0	2,233	46.8
	2006	0	*	*	0	*
	2005	2,030	90.0	1.3	2,153	41.1
	2004	2,095	90.0	1.6	2,079	42.9
	2003	2,329	88.3	1.1	2,326	41.6
	2002	2,370	85.8	3.0	2,333	41.0
Black, Not Hispanic	2011	190	18.9	79.5	187	37.4
	2010	112	54.5	32.1	164	40.9
	2009	94	*	*	141	44.0
	2008	57	*	*	121	47.9
	2007	58	*	*	111	41.4
	2006	0	*	*	0	*
	2005	82	*	*	91	*
	2004	72	*	*	83	*
	2003	88	*	*	103	32.0
	2002	69	*	*	80	*

(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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity</b> <sup>(2)</sup>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Hispanic	2011	252	21.8	75.8	250	40.0
	2010	186	62.4	25.8	253	45.5
	2009	154	86.4	0.0	254	43.7
	2008	132	88.6	0.0	253	44.7
	2007	142	87.3	0.0	263	48.7
	2006	0	*	*	0	*
	2005	96	*	*	128	39.8
	2004	95	*	*	124	46.8
	2003	135	82.2	2.2	165	41.8
	2002	96	*	*	127	42.5
American Indian/Alaska Native	2011	637	12.1	83.7	626	42.5
	2010	478	53.3	33.3	643	45.3
	2009	426	79.6	0.0	641	44.5
	2008	409	77.3	0.0	667	44.5
	2007	432	76.2	0.0	616	47.1
	2006	0	*	*	0	*
	2005	572	78.8	3.7	645	36.9
	2004	488	74.2	3.5	518	42.3
	2003	549	77.8	1.6	596	40.8
	2002	518	73.9	3.5	577	41.6

(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 21C**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity</b> <sup>(2)</sup>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Asian/Pacific Islander	2011	53	*	*	53	*
	2010	40	*	*	54	*
	2009	18	*	*	37	*
	2008	23	*	*	44	*
	2007	21	*	*	38	*
	2006	0	*	*	0	*
	2005	32	*	*	36	*
	2004	32	*	*	30	*
	2003	30	*	*	31	*
	2002	35	*	*	34	*
Multiple Races	2011	113	19.5	76.1	123	43.9
	2010	65	*	*	99	*
	2009	58	*	*	92	*
	2008	64	*	*	102	45.1
	2007	54	*	*	91	*
	2006	0	*	*	0	*
	2005	0	*	*	0	*
	2004	0	*	*	0	*
	2003	0	*	*	0	*
	2002	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 21C**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity</b> <sup>(2)</sup>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
All Other/Unknown	2011	1	*	*	2	*
	2010	0	*	*	1	*
	2009	0	*	*	5	*
	2008	0	*	*	2	*
	2007	0	*	*	8	*
	2006	0	*	*	0	*
	2005	0	*	*	0	*
	2004	0	*	*	0	*
	2003	0	*	*	0	*
	2002	0	*	*	0	*
Total All Race/Ethnic Groups	2011	3,563	21.2	75.8	3,464	42.0
	2010	2,550	63.5	27.6	3,592	45.1
	2009	2,212	87.2	0.0	3,551	43.0
	2008	2,182	87.2	0.0	3,616	44.2
	2007	2,151	84.6	0.0	3,360	47.0
	2006	0	*	*	0	*
	2005	2,812	87.9	1.7	3,053	40.0
	2004	2,782	87.0	1.9	2,834	42.7
	2003	3,131	86.1	1.2	3,221	41.2
	2002	3,088	83.6	3.0	3,151	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 22C**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Smoking Indicators by Race/Ethnicity</b> <sup>(2)</sup>											
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	%	Number	%
White, Not Hispanic	2011	2,021	44.6	2,175	25.1	683	36.5	1,904	10.4	2,107	3.8
	2010	2,149	44.6	2,145	23.8	670	32.8	2,060	14.8	2,067	6.8
	2009	2,125	46.5	2,209	25.3	739	33.4	2,028	17.1	2,107	7.7
	2008	2,193	46.9	2,173	23.8	736	34.8	2,118	21.3	2,083	12.9
	2007	2,065	47.7	2,375	26.5	603	31.0	1,501	20.7	2,273	15.9
	2006	0	*	0	*	0	*	0	*	0	*
	2005	2,144	48.2	1,869	25.9	692	38.3	1,822	31.6	1,772	24.7
	2004	2,153	46.7	1,862	23.7	639	36.9	1,828	32.0	1,795	29.4
	2003	2,424	47.3	2,101	25.6	757	35.1	2,049	33.5	2,058	28.6
	2002	2,429	47.1	2,134	25.9	720	33.6	2,023	32.9	2,103	27.7
Black, Not Hispanic	2011	173	9.8	175	4.6	12	*	166	1.8	164	0.0
	2010	146	8.9	143	3.5	7	*	140	2.1	128	0.8
	2009	132	7.6	133	5.3	5	*	122	5.7	127	1.6
	2008	106	9.4	107	3.7	4	*	101	8.9	94	*
	2007	98	*	112	5.4	7	*	72	*	103	9.7
	2006	0	*	0	*	0	*	0	*	0	*
	2005	90	*	78	*	5	*	77	*	76	*
	2004	79	*	65	*	8	*	74	*	64	*
	2003	100	16.0	85	*	6	*	91	*	85	*
	2002	79	*	64	*	9	*	73	*	64	*

(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**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**

**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	%	Number	%
Hispanic	2011	230	27.8	223	10.3	51	*	224	10.7	215	2.8
	2010	234	29.5	209	14.8	48	*	220	13.6	204	6.9
	2009	232	30.6	228	14.0	44	*	221	14.0	220	6.8
	2008	225	34.2	219	13.2	55	*	223	14.3	207	11.1
	2007	233	32.2	239	15.1	42	*	170	21.8	226	11.9
	2006	0	*	0	*	0	*	0	*	0	*
	2005	121	18.2	84	*	11	*	106	21.7	81	*
	2004	122	21.3	69	*	14	*	112	33.0	68	*
	2003	168	17.9	119	12.6	13	*	142	23.9	118	18.6
	2002	127	26.8	80	*	20	*	109	21.1	80	*
American Indian/Alaska Native	2011	605	60.8	619	36.5	299	31.8	559	18.1	604	6.5
	2010	608	58.9	558	36.4	276	33.7	580	23.6	546	7.9
	2009	598	62.0	550	35.8	280	33.9	571	23.6	538	8.9
	2008	619	64.3	551	35.6	278	29.9	605	29.1	539	11.7
	2007	595	61.3	638	32.3	248	40.7	430	23.5	620	12.9
	2006	0	*	0	*	0	*	0	*	0	*
	2005	623	63.6	518	37.6	275	33.5	550	33.6	501	23.8
	2004	517	63.4	427	37.5	228	32.0	476	39.3	422	27.5
	2003	613	64.1	481	36.6	256	32.8	551	40.7	475	28.6
	2002	587	67.3	462	41.3	255	25.9	526	38.4	459	36.2

(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**  
**2011 Pregnancy Nutrition Surveillance** (1)

**North Dakota**  
**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	%	Number	%
Asian/Pacific Islander	2011	50	*	49	*	3	*	45	*	44	*
	2010	50	*	44	*	4	*	47	*	41	*
	2009	33	*	34	*	4	*	33	*	32	*
	2008	39	*	36	*	8	*	35	*	33	*
	2007	35	*	42	*	5	*	24	*	40	*
	2006	0	*	0	*	0	*	0	*	0	*
	2005	36	*	29	*	2	*	32	*	29	*
	2004	30	*	29	*	5	*	21	*	27	*
	2003	33	*	29	*	7	*	30	*	29	*
	2002	31	*	32	*	8	*	30	*	31	*
Multiple Races	2011	110	50.0	104	30.8	42	*	102	14.7	100	3.0
	2010	91	*	78	*	33	*	86	*	73	*
	2009	94	*	91	*	38	*	85	*	90	*
	2008	96	*	84	*	39	*	92	*	80	*
	2007	84	*	94	*	33	*	60	*	93	*
	2006	0	*	0	*	0	*	0	*	0	*
	2005	0	*	0	*	0	*	0	*	0	*
	2004	0	*	0	*	0	*	0	*	0	*
	2003	0	*	0	*	0	*	0	*	0	*
	2002	0	*	0	*	0	*	0	*	0	*

(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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>

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

<b>Summary of Trends in Smoking Indicators by Race/Ethnicity</b> <sup>(2)</sup>											
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	%	Number	%
All Other/Unknown	2011	1	*	1	*	0	*	1	*	1	*
	2010	0	*	1	*	0	*	0	*	1	*
	2009	3	*	0	*	0	*	3	*	0	*
	2008	0	*	0	*	0	*	0	*	0	*
	2007	0	*	0	*	0	*	0	*	0	*
	2006	0	*	0	*	0	*	0	*	0	*
	2005	0	*	0	*	0	*	0	*	0	*
	2004	0	*	0	*	0	*	0	*	0	*
	2003	0	*	0	*	0	*	0	*	0	*
	2002	0	*	0	*	0	*	0	*	0	*
Total All Race/Ethnic Groups	2011	3,190	44.4	3,346	25.0	1,090	35.3	3,001	11.4	3,235	4.0
	2010	3,278	44.4	3,178	24.3	1,038	33.9	3,133	15.6	3,060	6.7
	2009	3,217	46.6	3,245	25.5	1,110	33.3	3,063	18.0	3,114	7.6
	2008	3,278	48.1	3,170	24.4	1,120	34.5	3,174	21.7	3,036	12.1
	2007	3,110	48.1	3,500	25.9	938	34.6	2,257	21.2	3,355	14.8
	2006	0	*	0	*	0	*	0	*	0	*
	2005	3,014	48.8	2,578	26.9	985	37.6	2,587	30.7	2,459	23.4
	2004	2,901	47.7	2,452	25.1	894	36.5	2,511	32.8	2,376	28.1
	2003	3,338	47.8	2,815	26.1	1,039	34.9	2,863	33.5	2,765	27.5
	2002	3,253	49.2	2,772	27.5	1,012	32.3	2,761	33.1	2,737	28.6

(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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
White, Not Hispanic	2011	1,657	8.4	9.5	1,460	9.0	1,310	3.2	1,706	67.9
	2010	1,412	8.0	6.7	1,233	12.5	1,063	2.2	1,485	42.0
	2009	1,127	9.5	8.2	918	12.5	799	2.6	1,358	29.9
	2008	1,295	9.4	8.8	1,095	12.3	957	3.1	1,332	34.6
	2007	1,266	8.4	10.1	953	11.5	843	2.6	1,284	23.3
	2006	0	*	*	0	*	0	*	0	*
	2005	1,787	6.8	9.1	1,634	11.2	1,390	2.6	1,866	58.0
	2004	1,861	5.6	9.9	1,600	11.7	1,361	1.8	1,917	57.2
	2003	2,096	7.0	9.2	1,749	10.6	1,540	2.1	2,121	57.5
	2002	2,101	6.9	8.8	1,774	11.4	1,516	3.2	2,167	57.4
Black, Not Hispanic	2011	152	7.9	6.6	142	7.0	130	3.1	154	87.7
	2010	87	*	*	76	*	71	*	91	*
	2009	58	*	*	54	*	46	*	73	*
	2008	53	*	*	43	*	39	*	54	*
	2007	52	*	*	39	*	31	*	54	*
	2006	0	*	*	0	*	0	*	0	*
	2005	71	*	*	65	*	54	*	74	*
	2004	63	*	*	58	*	53	*	65	*
	2003	77	*	*	72	*	64	*	78	*
	2002	66	*	*	60	*	51	*	69	*

- (1) Reporting period is January 1 through December 31.
- (2) Excludes data with 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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)	Number	%	Number	%	Number	%
		Number	%	%						
Hispanic	2011	179	3.9	8.9	163	9.2	146	1.4	182	64.3
	2010	159	11.9	9.4	133	11.3	117	5.1	164	39.6
	2009	119	2.5	7.6	92	*	82	*	139	25.2
	2008	129	7.0	7.0	106	10.4	95	*	133	34.6
	2007	124	7.3	7.3	98	*	87	*	126	26.2
	2006	0	*	*	0	*	0	*	0	*
	2005	81	*	*	76	*	67	*	84	*
	2004	75	*	*	64	*	52	*	78	*
	2003	122	4.9	9.0	99	*	89	*	123	58.5
	2002	81	*	*	66	*	53	*	84	*
American Indian/Alaska Native	2011	522	9.0	14.0	482	12.4	416	2.2	534	46.8
	2010	440	8.4	11.1	405	11.4	356	3.7	462	25.5
	2009	313	6.4	12.5	282	13.1	244	1.2	420	14.0
	2008	352	7.4	13.1	313	14.1	265	3.0	377	19.4
	2007	424	6.1	17.9	334	14.1	287	2.1	436	12.6
	2006	0	*	*	0	*	0	*	0	*
	2005	374	6.4	13.1	340	14.4	283	2.5	386	42.7
	2004	337	5.9	13.6	309	12.6	263	1.9	348	34.8
	2003	438	6.8	14.6	387	11.4	333	2.1	447	36.0
	2002	417	7.2	14.9	356	12.6	307	3.6	427	36.8

- (1) Reporting period is January 1 through December 31.
- (2) Excludes data with 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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)	Number	%	Number	%	Number	%
		Number	%	%						
Asian/Pacific Islander	2011	39	*	*	35	*	34	*	40	*
	2010	31	*	*	28	*	26	*	33	*
	2009	13	*	*	9	*	9	*	17	*
	2008	24	*	*	20	*	18	*	24	*
	2007	17	*	*	10	*	8	*	17	*
	2006	0	*	*	0	*	0	*	0	*
	2005	29	*	*	26	*	22	*	29	*
	2004	26	*	*	18	*	14	*	28	*
	2003	25	*	*	21	*	18	*	26	*
	2002	30	*	*	28	*	25	*	30	*
Multiple Races	2011	83	*	*	82	*	70	*	87	*
	2010	56	*	*	49	*	46	*	61	*
	2009	47	*	*	39	*	34	*	58	*
	2008	49	*	*	44	*	41	*	50	*
	2007	47	*	*	37	*	28	*	49	*
	2006	0	*	*	0	*	0	*	0	*
	2005	0	*	*	0	*	0	*	0	*
	2004	0	*	*	0	*	0	*	0	*
	2003	0	*	*	0	*	0	*	0	*
	2002	0	*	*	0	*	0	*	0	*

- (1) Reporting period is January 1 through December 31.
- (2) Excludes data with 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**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)	Number	%	Number	%	Number	%
		Number	%	%						
All Other/Unknown	2011	1	*	*	0	*	0	*	1	*
	2010	1	*	*	0	*	0	*	1	*
	2009	0	*	*	0	*	0	*	0	*
	2008	0	*	*	0	*	0	*	0	*
	2007	0	*	*	0	*	0	*	0	*
	2006	0	*	*	0	*	0	*	0	*
	2005	0	*	*	0	*	0	*	0	*
	2004	0	*	*	0	*	0	*	0	*
	2003	0	*	*	0	*	0	*	0	*
	2002	0	*	*	0	*	0	*	0	*
Total All Race/Ethnic Groups	2011	2,633	8.1	10.3	2,364	9.7	2,106	2.8	2,704	64.8
	2010	2,186	8.5	7.8	1,924	11.7	1,679	3.0	2,297	39.7
	2009	1,677	8.2	8.7	1,394	12.4	1,214	2.1	2,065	27.2
	2008	1,902	8.7	9.5	1,621	12.3	1,415	3.0	1,970	32.8
	2007	1,930	7.9	11.6	1,471	12.7	1,284	2.6	1,966	21.8
	2006	0	*	*	0	*	0	*	0	*
	2005	2,342	6.7	9.6	2,141	11.8	1,816	2.6	2,439	56.8
	2004	2,362	5.6	10.1	2,049	11.8	1,743	1.8	2,436	54.9
	2003	2,758	6.9	9.8	2,328	10.6	2,044	2.1	2,795	54.8
	2002	2,695	7.1	9.6	2,284	11.7	1,952	3.4	2,777	54.6

- (1) Reporting period is January 1 through December 31.
- (2) Excludes data with 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.

