

**Table 3E**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Racial and Ethnic Distribution by Region**

<b>Comparison of Racial and Ethnic Distribution</b> <sup>(2)</sup>								
<b>Region</b>	<b>Number Included in Analysis</b>	<b>White, Not Hispanic</b>	<b>Black, Not Hispanic</b>	<b>Hispanic</b>	<b>American Indian/Alaska Native</b>	<b>Asian/Pacific Islander</b>	<b>Multiple Races</b>	<b>All Other/Unknown</b>
		%	%	%	%	%	%	%
CDHU	157	77.7	1.3	5.7	11.5	0.0	3.8	0.0
FDHU	562	79.2	3.0	7.5	5.9	0.5	3.9	0.0
James R	249	85.9	4.0	7.2	1.6	1.2	0.0	0.0
LRDHU	263	31.9	1.9	4.6	58.2	0.8	2.7	0.0
North RR	586	65.0	5.3	14.2	7.5	3.1	4.8	0.2
Rolette	309	6.1	0.0	4.9	85.4	0.3	3.2	0.0
So Central	481	66.1	1.5	5.2	22.5	0.8	4.0	0.0
South RR	1,059	70.2	13.1	5.5	5.9	2.6	2.7	0.0
SWDHU	163	87.1	1.2	6.1	4.3	1.2	0.0	0.0
UMDHU	146	80.1	0.0	7.5	4.8	0.0	6.2	1.4
<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 4E**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Age Distribution by Region**

<b>Comparison of Age Distribution</b> <sup>(2)</sup>								
<b>Region</b>	<b>Number Included in Analysis</b>	<b>&lt; 15 Years %</b>	<b>15 - 17 Years %</b>	<b>18 - 19 Years %</b>	<b>20 - 29 Years %</b>	<b>30 - 39 Years %</b>	<b>&gt;= 40 Years %</b>	<b>Unknown %</b>
CDHU	157	0.0	1.9	13.4	66.9	17.2	0.6	0.0
FDHU	562	0.2	2.0	14.2	69.9	12.6	1.1	0.0
James R	249	0.0	3.6	10.4	65.1	18.5	2.4	0.0
LRDHU	263	0.4	5.3	20.9	58.6	14.4	0.4	0.0
North RR	586	0.5	2.6	13.1	65.7	17.4	0.7	0.0
Rolette	309	1.9	5.5	18.8	59.2	14.6	0.0	0.0
So Central	481	0.4	4.6	14.8	62.8	16.2	1.2	0.0
South RR	1,059	0.0	3.7	10.6	65.4	19.3	1.0	0.0
SWDHU	163	0.0	6.7	13.5	63.2	14.7	1.8	0.0
UMDHU	146	0.0	4.1	19.2	50.7	25.3	0.7	0.0
<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 5E**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Maternal Health Indicators by Region**

<b>Comparison of Maternal Health Indicators</b> <sup>(2, 3)</sup>															
<b>Region</b>	Prepregnancy BMI (4)			Weight Gain (5)			Anemia (Low Hb/Hct) (6)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy		
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum						
	Number	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%	Number
	(Rank)	(Rank)		(Rank)	(Rank)		(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)	(Rank)
CDHU	133	3.8 (9)	68.4 (10)	113	17.7 (6)	54.0 (6)	25	* *	105	20.0 (2)	139	4.3 (3)	139	10.1(3)	
FDHU	458	2.4 (4)	53.9 (1)	378	14.8 (2)	54.0 (6)	94	* *	293	14.3 (1)	441	7.0 (5)	444	12.6(5)	
James R	205	2.0 (2)	60.0 (7)	186	11.8 (1)	58.1 (9)	39	* *	117	21.4 (5)	225	7.6 (7)	222	9.5(2)	
LRDHU	239	2.5 (5)	59.0 (6)	200	16.5 (5)	54.5 (8)	40	* *	151	34.4 (8)	221	8.1 (9)	219	15.5(8)	
North RR	492	3.0 (6)	54.3 (2)	421	16.2 (4)	52.5 (5)	84	* *	309	21.0 (3)	471	7.6 (7)	470	17.4(10)	
Rolette	280	3.9 (10)	64.3 (9)	264	25.0 (9)	48.1 (2)	24	* *	212	26.9 (7)	292	4.1 (2)	292	13.7(6)	
So Central	434	3.7 (8)	56.7 (3)	376	16.0 (3)	50.3 (4)	72	* *	333	22.5 (6)	420	7.4 (6)	422	11.6(4)	
South RR	956	3.5 (7)	57.4 (4)	810	18.1 (7)	49.9 (3)	159	34.0 (1)	553	21.2 (4)	885	5.8 (4)	881	9.4(1)	
SWDHU	117	0.9 (1)	62.4 (8)	90	* *	* *	30	* *	65	* *	128	3.9 (1)	127	16.5(9)	
UMDHU	131	2.3 (3)	58.0 (5)	108	20.4 (8)	46.3 (1)	27	* *	90	* *	107	9.3 (10)	107	15.0(7)	
<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) Rank compares one region's rate to other regions. Rank 1 = best rate.  
(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).  
(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).  
(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.  
\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 6E**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Maternal Behavioral Indicators by Region**

<b>Comparison of Maternal Behavioral Indicators</b> <sup>(2, 3)</sup>													
<b>Region</b>	Medical Care				WIC Enrollment			Multivitamin Consumption					
	1st Trimester		No Care		1st Trimester			Prepregnancy (4)		During Pregnancy (5)			
	Number	% (Rank)	%	(Rank)	Number	%	(Rank)	Number	%	(Rank)	Number	%	(Rank)
CDHU	141	12.1 (8)	86.5 (9)		136	36.8 (7)		126	26.2 (4)		113	92.9 (6)	
FDHU	497	31.8 (2)	62.6 (2)		469	39.7 (5)		438	27.4 (3)		381	92.9 (6)	
James R	238	14.7 (7)	83.2 (7)		205	42.4 (3)		206	36.9 (1)		185	94.6 (4)	
LRDHU	231	19.5 (5)	73.6 (3)		240	35.8 (8)		179	22.9 (6)		195	96.4 (2)	
North RR	525	20.2 (3)	77.7 (4)		499	47.5 (2)		475	25.9 (5)		378	95.2 (3)	
Rolette	292	3.1 (10)	95.5 (10)		285	56.5 (1)		293	13.7 (9)		221	94.6 (4)	
So Central	432	18.1 (6)	79.6 (6)		447	38.9 (6)		387	18.6 (8)		331	98.5 (1)	
South RR	940	20.0 (4)	78.7 (5)		928	42.2 (4)		763	22.7 (7)		680	91.6 (8)	
SWDHU	139	76.3 (1)	12.9 (1)		115	33.9 (9)		114	28.1 (2)		99	* *	
UMDHU	128	10.2 (9)	85.9 (8)		140	31.4 (10)		80	* *		86	* *	
<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) Rank compares one region's rate to other regions. Rank 1 = best rate.

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

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

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



**Table 7E**  
**2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Smoking Indicators by Region**

Comparison of Smoking Indicators (2, 3)										
Region	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
CDHU	125	48.0 (6)	139	27.3 (7)	50	* *	117	8.5 (2)	135	0.7 (1)
FDHU	436	40.8 (4)	446	21.3 (4)	133	42.1 (2)	412	9.7 (5)	442	3.8 (5)
James R	205	38.0 (2)	226	19.9 (1)	67	* *	188	11.2 (6)	206	4.4 (6)
LRDHU	221	57.9 (9)	221	34.8 (8)	99	* *	211	20.9 (9)	217	9.2 (9)
North RR	463	38.4 (3)	467	20.8 (2)	129	36.4 (3)	437	8.9 (3)	435	3.2 (3)
Rolette	291	64.3 (10)	294	42.5 (10)	170	21.8 (5)	269	20.1 (8)	286	4.5 (7)
So Central	383	52.2 (8)	422	24.2 (6)	155	43.2 (1)	360	6.9 (1)	420	2.9 (2)
South RR	848	36.1 (1)	893	20.9 (3)	225	35.1 (4)	806	9.1 (4)	875	3.2 (3)
SWDHU	115	41.7 (5)	131	23.7 (5)	30	* *	108	13.0 (7)	129	4.7 (8)
UMDHU	103	51.5 (7)	107	38.3 (9)	32	* *	93	* *	90	* *
<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) Rank compares one region's rate to other regions. Rank 1 = best rate.  
(4) Among women who smoked 3 months prior to pregnancy.  
\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 8E**  
**2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Infant Health Indicators by Region**

<b>Comparison of Infant Health Indicators</b> <sup>(2, 3)</sup>										
<b>Region</b>	Birthweight				Preterm (6)		Full Term LBW (7)		Ever Breastfed	
	Low (4)		High (5)							
	Number	% (Rank)	%	(Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
CDHU	118	11.0 (8)	8.5 (2)		100	13.0 (7)	87	* *	120	67.5 (4)
FDHU	320	8.8 (6)	10.0 (4)		246	10.6 (4)	218	2.8 (5)	330	57.9 (6)
James R	150	7.3 (2)	5.3 (1)		127	7.9 (2)	116	2.6 (3)	156	66.7 (5)
LRDHU	198	8.1 (4)	14.1 (8)		188	11.2 (5)	161	1.2 (1)	207	42.0 (8)
North RR	401	8.5 (5)	11.7 (6)		346	11.8 (6)	301	2.7 (4)	413	70.9 (2)
Rolette	240	10.4 (7)	12.5 (7)		231	13.0 (7)	199	3.0 (6)	245	49.8 (7)
So Central	375	7.5 (3)	9.1 (3)		357	9.0 (3)	319	3.1 (7)	385	68.8 (3)
South RR	714	6.0 (1)	10.1 (5)		686	7.1 (1)	632	2.4 (2)	725	74.3 (1)
SWDHU	85	* *	* *		52	* *	46	* *	91	* *
UMDHU	32	* *	* *		31	* *	27	* *	32	* *
<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) Rank compares one region's rate to other regions. Rank 1 = best rate.  
(4) <2500 g.  
(5) >4000 g.  
(6) <37 weeks gestation.  
(7) 37 or more weeks gestation and <2500 g.  
\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 3E**  
**2009 - 2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Racial and Ethnic Distribution by Region**  
**Combined 3 Years**

<b>Comparison of Racial and Ethnic Distribution</b> <sup>(2)</sup>								
<b>Region</b>	Number Included in Analysis	White, Not Hispanic  %	Black, Not Hispanic  %	Hispanic  %	American Indian/Alaska Native  %	Asian/Pacific Islander  %	Multiple Races  %	All Other/Unknown  %
CDHU	494	75.7	1.4	6.7	13.4	0.6	2.2	0.0
FDHU	1,806	77.7	2.7	8.5	6.0	1.1	4.0	0.0
James R	796	87.1	3.1	6.4	1.9	0.8	0.8	0.0
LRDHU	764	38.2	0.9	3.4	54.2	0.5	2.7	0.0
North RR	1,885	66.6	5.6	13.4	7.9	2.2	4.2	0.1
Rolette	913	3.8	0.0	4.4	89.3	0.2	2.2	0.1
So Central	1,395	67.7	1.1	4.7	22.6	0.6	3.3	0.0
South RR	3,156	73.5	11.0	6.0	5.0	2.3	2.1	0.1
SWDHU	494	87.7	1.0	5.7	4.7	0.8	0.2	0.0
UMDHU	446	77.6	0.2	10.1	4.9	0.4	5.2	1.6
<b>North Dakota</b>	<b>12,149</b>	<b>66.6</b>	<b>4.6</b>	<b>7.3</b>	<b>17.2</b>	<b>1.3</b>	<b>2.9</b>	<b>0.1</b>

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

(2) Excludes data with errors.

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**Table 4E**  
**2009 - 2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Age Distribution by Region**  
**Combined 3 Years**

<b>Comparison of Age Distribution</b> <sup>(2)</sup>								
<b>Region</b>	<b>Number Included in Analysis</b>	<b>&lt; 15 Years %</b>	<b>15 - 17 Years %</b>	<b>18 - 19 Years %</b>	<b>20 - 29 Years %</b>	<b>30 - 39 Years %</b>	<b>&gt;= 40 Years %</b>	<b>Unknown %</b>
CDHU	494	0.0	3.0	11.9	65.0	18.8	1.2	0.0
FDHU	1,806	0.1	2.7	13.7	70.1	12.6	0.7	0.1
James R	796	0.3	4.4	10.8	65.2	17.5	1.9	0.0
LRDHU	764	0.5	6.4	16.6	57.7	17.3	1.4	0.0
North RR	1,885	0.3	3.9	13.1	65.6	16.6	0.6	0.0
Rolette	913	0.9	8.0	16.3	59.3	15.3	0.2	0.0
So Central	1,395	0.1	4.7	14.3	62.9	17.1	0.9	0.1
South RR	3,156	0.1	3.7	11.5	65.1	18.3	1.2	0.1
SWDHU	494	0.0	5.5	13.2	64.8	14.8	1.6	0.2
UMDHU	446	0.0	5.2	18.6	56.1	19.3	0.9	0.0
<b>North Dakota</b>	<b>12,149</b>	<b>0.2</b>	<b>4.3</b>	<b>13.4</b>	<b>64.4</b>	<b>16.6</b>	<b>1.0</b>	<b>0.0</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 5E**  
**2009 - 2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Maternal Health Indicators by Region**  
**Combined 3 Years**

<b>Comparison of Maternal Health Indicators</b> <sup>(2, 3)</sup>														
<b>Region</b>	<b>Prepregnancy BMI</b> (4)			<b>Weight Gain</b> (5)			<b>Anemia</b> (Low Hb/Hct) (6)				<b>Gestational Diabetes</b> During Pregnancy		<b>Hypertension</b> During Pregnancy	
	<b>Under-weight</b>		<b>Over-weight</b>	<b>&lt; Ideal</b>		<b>&gt; Ideal</b>	<b>3rd Trimester</b>		<b>Postpartum</b>					
	<b>Number</b>	<b>% (Rank)</b>	<b>% (Rank)</b>	<b>Number</b>	<b>% (Rank)</b>	<b>% (Rank)</b>	<b>Number</b>	<b>% (Rank)</b>	<b>Number</b>	<b>% (Rank)</b>	<b>Number</b>	<b>% (Rank)</b>	<b>Number</b>	<b>% (Rank)</b>
CDHU	437	3.0 (8)	59.7 (7)	378	15.1 (3)	51.9 (8)	79	* *	325	18.5 (4)	423	7.1 (9)	424	7.8(1)
FDHU	1,455	2.4 (2)	53.9 (1)	1,198	14.6 (2)	54.4 (9)	305	21.0 (2)	932	14.4 (2)	1,357	5.8 (5)	1,360	11.7(6)
James R	648	2.3 (1)	60.3 (8)	568	13.2 (1)	54.6 (10)	116	19.0 (1)	400	21.5 (6)	637	5.5 (4)	635	10.7(3)
LRDHU	711	2.4 (2)	56.0 (4)	602	17.8 (7)	48.5 (1)	102	39.2 (6)	406	29.3(10)	598	6.9 (7)	597	15.2(10)
North RR	1,553	2.4 (2)	54.3 (2)	1,262	16.4 (4)	51.3 (5)	322	33.2 (5)	891	26.4 (9)	1,435	5.4 (3)	1,434	14.3(9)
Rolette	843	2.6 (5)	64.2 (10)	784	21.0 (10)	48.7 (2)	80	* *	582	24.4 (8)	808	5.1 (2)	810	11.2(5)
So Central	1,271	3.3 (9)	56.5 (5)	1,089	16.5 (5)	51.7 (6)	206	28.2 (3)	956	20.5 (5)	1,178	6.9 (7)	1,179	12.0(7)
South RR	2,826	3.6 (10)	55.7 (3)	2,380	17.1 (6)	50.9 (4)	466	32.8 (4)	1,859	22.8 (7)	2,582	6.3 (6)	2,576	8.7(2)
SWDHU	378	2.9 (7)	61.1 (9)	286	17.8 (7)	51.7 (6)	89	* *	180	17.2 (3)	351	4.6 (1)	350	11.1(4)
UMDHU	395	2.8 (6)	59.2 (6)	318	18.9 (9)	49.1 (3)	87	* *	254	12.6 (1)	313	8.3 (10)	312	13.8(8)
<b>North Dakota</b>	<b>10,517</b>	<b>2.9</b>	<b>56.8</b>	<b>8,865</b>	<b>16.8</b>	<b>51.4</b>	<b>1,852</b>	<b>27.8</b>	<b>6,785</b>	<b>21.5</b>	<b>9,682</b>	<b>6.1</b>	<b>9,677</b>	<b>11.3</b>

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



**Table 6E**  
**2009 - 2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Maternal Behavioral Indicators by Region**  
**Combined 3 Years**

<b>Comparison of Maternal Behavioral Indicators</b> <sup>(2, 3)</sup>											
<b>Region</b>	<b>Medical Care</b>				<b>WIC Enrollment</b>			<b>Multivitamin Consumption</b>			
	<b>1st Trimester</b>		<b>No Care</b>		<b>1st Trimester</b>			<b>Prepregnancy</b> (4)		<b>During Pregnancy</b> (5)	
	<b>Number</b>	<b>% (Rank)</b>	<b>% (Rank)</b>		<b>Number</b>	<b>% (Rank)</b>		<b>Number</b>	<b>% (Rank)</b>	<b>Number</b>	<b>% (Rank)</b>
CDHU	329	47.4 (8)	46.8 (9)		447	35.6 (9)		379	22.2 (7)	333	44.7 (3)
FDHU	1,197	59.1 (2)	33.3 (2)		1,498	40.1 (5)		1,391	26.5 (3)	1,224	41.2 (9)
James R	565	50.1 (5)	45.0 (7)		655	46.9 (3)		643	31.6 (2)	566	47.2 (1)
LRDHU	590	47.5 (7)	36.9 (3)		719	37.4 (8)		460	25.2 (5)	579	44.2 (4)
North RR	1,216	51.1 (3)	42.6 (4)		1,584	47.0 (2)		1,490	24.2 (6)	1,209	42.1 (8)
Rolette	724	43.0 (10)	49.3 (10)		856	57.7 (1)		856	14.3 (10)	673	42.8 (6)
So Central	955	49.5 (6)	44.5 (6)		1,308	39.3 (7)		1,092	20.0 (9)	956	46.8 (2)
South RR	2,157	50.5 (4)	43.0 (5)		2,748	44.3 (4)		2,192	21.3 (8)	2,060	42.4 (7)
SWDHU	320	80.3 (1)	7.5 (1)		379	40.1 (5)		369	33.1 (1)	311	41.2 (9)
UMDHU	272	46.3 (9)	46.7 (8)		413	35.4 (10)		213	25.4 (4)	285	43.2 (5)
<b>North Dakota</b>	<b>8,325</b>	<b>51.7</b>	<b>40.9</b>		<b>10,607</b>	<b>43.4</b>		<b>9,085</b>	<b>23.3</b>	<b>8,196</b>	<b>43.3</b>

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one region's rate to other regions. Rank 1 = best rate.

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

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

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



**Table 7E**  
**2009 - 2011 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Smoking Indicators by Region**  
**Combined 3 Years**

<b>Comparison of Smoking Indicators</b> (2, 3)										
<b>Region</b>	<b>Smoking</b>				<b>Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)</b>		<b>Smoking in Household</b>			
	<b>3 Months Prior to Pregnancy</b>		<b>Last 3 Months of Pregnancy</b>				<b>Prenatal</b>		<b>Postpartum</b>	
	<b>Number</b>	<b>% (Rank)</b>	<b>Number</b>	<b>% (Rank)</b>	<b>Number</b>	<b>% (Rank)</b>	<b>Number</b>	<b>% (Rank)</b>	<b>Number</b>	<b>% (Rank)</b>
CDHU	379	49.9 (6)	423	24.6 (6)	151	34.4 (4)	364	12.4 (3)	416	3.1 (1)
FDHU	1,375	42.3 (5)	1,369	19.5 (1)	391	42.2 (1)	1,312	13.3 (5)	1,346	6.2 (4)
James R	650	40.9 (4)	663	22.9 (4)	207	33.3 (6)	605	13.4 (6)	612	7.5 (7)
LRDHU	661	53.6 (8)	607	35.1 (8)	255	31.8 (8)	623	22.8 (8)	599	9.3 (8)
North RR	1,470	38.5 (1)	1,440	20.9 (2)	377	36.3 (3)	1,379	12.2 (2)	1,324	6.3 (5)
Rolette	852	63.0 (10)	817	41.6 (10)	465	24.1 (9)	818	24.4 (9)	799	7.4 (6)
So Central	1,099	50.1 (7)	1,180	24.1 (5)	433	38.3 (2)	1,048	11.2 (1)	1,164	3.8 (2)
South RR	2,511	39.8 (3)	2,596	21.6 (3)	756	34.3 (5)	2,399	13.1 (4)	2,526	4.1 (3)
SWDHU	374	39.3 (2)	359	25.3 (7)	92	* *	357	15.1 (7)	349	10.9 (9)
UMDHU	314	57.6 (9)	315	39.0 (9)	111	32.4 (7)	292	29.8 (10)	274	17.2 (10)
<b>North Dakota</b>	<b>9,685</b>	<b>45.1</b>	<b>9,769</b>	<b>24.9</b>	<b>3,238</b>	<b>34.2</b>	<b>9,197</b>	<b>15.0</b>	<b>9,409</b>	<b>6.1</b>

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one region's rate to other regions. Rank 1 = best rate.

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

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



**Table 8E**  
**2009 - 2011 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Infant Health Indicators by Region**  
**Combined 3 Years**

<b>Comparison of Infant Health Indicators</b> <sup>(2, 3)</sup>										
<b>Region</b>	<b>Birthweight</b>				<b>Preterm</b> (6)		<b>Full Term LBW</b> (7)		<b>Ever Breastfed</b>	
	<b>Low</b> (4)		<b>High</b> (5)							
	<b>Number</b>	<b>% (Rank)</b>	<b>% (Rank)</b>		<b>Number</b>	<b>% (Rank)</b>	<b>Number</b>	<b>% (Rank)</b>	<b>Number</b>	<b>% (Rank)</b>
CDHU	343	10.8 (8)	8.2 (3)		304	11.5 (5)	269	3.3 (7)	374	40.9 (7)
FDHU	839	8.2 (5)	8.2 (3)		626	12.3 (7)	540	2.0 (2)	925	43.1 (6)
James R	367	6.3 (2)	9.3 (7)		292	7.9 (1)	265	2.6 (4)	403	49.1 (2)
LRDHU	449	5.8 (1)	13.4 (9)		433	11.8 (6)	370	1.4 (1)	512	30.9 (9)
North RR	1,061	8.8 (6)	9.0 (6)		848	13.2 (8)	728	2.9 (6)	1,180	49.0 (3)
Rolette	617	11.0 (9)	11.8 (8)		586	13.3 (9)	506	3.8 (8)	675	31.3 (8)
So Central	995	7.6 (4)	8.1 (1)		940	9.9 (3)	838	2.1 (3)	1,057	47.4 (4)
South RR	1,598	7.4 (3)	8.1 (1)		1,498	9.2 (2)	1,352	2.8 (5)	1,687	53.8 (1)
SWDHU	183	9.3 (7)	8.2 (3)		117	11.1 (4)	100	5.0 (9)	207	46.9 (5)
UMDHU	44	*	*	*	38	*	31	*	46	*
<b>North Dakota</b>	<b>6,496</b>	<b>8.3</b>	<b>9.1</b>		<b>5,682</b>	<b>11.0</b>	<b>4,999</b>	<b>2.7</b>	<b>7,066</b>	<b>45.7</b>

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

