

Cardiovascular Disease Surveillance Data



Indicator ¹	2011	2012	2013	2014	2015	Indicator ¹	2011	2012	2013	2014	2015
Heart Attack⁶						Hypertension (High Blood Pressure)⁶					
Total	4.3	4.6	4.1	4.6	3.9	Total	29.4		29.7		30.4
Male	5.5	5.9	5.8	6.2	5.1	Male	30.7		31.9		31.0
Female	3.1	3.2	2.4	3.0	2.6	Female	27.5		27.6		29.8
American Indian	*	3.9	*	1.8	8.2	American Indian	24.0		*		37.9
Low Income ²	7.8	10.9	6.4	6.6	9.3	Low Income ²	32.7		41.8		45.0
Low Education ³	9.4	10.1	8.7	8.9	7.7	Low Education ³	40.6		33.5		45.2
Age 65+	12.2	13.6	13.7	14.9	11.5	Age 65+	57.3		60.5		61.6
Chronic Obstructive Pulmonary Disorder (COPD)⁶						Current Anti-Hypertension Medication Use⁸					
Total	9.4	10.0	10.3	11.0	5.1	Total	76.6		79.3		80.6
Male	4.8	4.1	4.6	4.5	4.3	Male	72.9		74.0		75.1
Female	4.6	4.3	5.0	4.9	6.0	Female	80.9		85.5		86.7
American Indian	*	5.9	*	5.0	9.3	American Indian	*		*		78.4
Low Income ²	9.6	9.2	11.7	9.7	14.9	Low Income ²	76.7		80.0		80.6
Low Education ³	7.3	8.1	10.0	9.0	9.1	Low Education ³	78.4		83.3		84.5
Age 65+	4.7	4.2	4.8	4.7	11.2	Age 65+	93.9		95.4		94.5
Coronary Heart Disease/Angina⁶						High Cholesterol⁶					
Total	4.1	4.1	4.1	4.0	3.6	Total	36.8		36.4		35.0
Male	5.0	5.2	4.7	5.0	4.1	Male	37.5		36.2		35.0
Female	3.1	3.0	3.4	3.1	3.1	Female	36.2		36.7		35.1
American Indian	4.0	4.3	*	4.0	3.4	American Indian	39.4		*		28.3
Low Income ²	5.6	6.6	5.6	6.2	9.7	Low Income ²	44.0		48.3		42.3
Low Education ³	7.4	6.5	5.8	6.2	*	Low Education ³	47.4		45.3		41.8
Age 65+	12.4	12.9	13.3	13.4	*	Age 65+	56.6		55.0		54.0
Heart Disease-Related Death Rates⁴						High Cholesterol Screening⁷					
Hypertension	10.1	7.1	7.9	8.4	9.1	Total	77.4		78.1		76.3
Diseases of the Heart	161.7	125.6	119.0	156.0	136.6	Male	73.8		74.7		73.9
COPD	44.17	22.54	23.05	34.86	36.7	Female	81.0		81.5		78.8
Heart Disease-Related Costs - in millions⁵						American Indian					
Hypertension					\$334	Low Income ²	65.2		65.6		71.0
Diseases of the heart					\$564	Low Education ³	69.4		74.4		69.3
COPD					NA	Age 65+	96.9		96.4		97.4

Cardiovascular Disease Surveillance Data

Indicator ¹	2011	2012	2013	2014	2015
Stroke⁶					
Total	2.2	2.5	2.5	2.4	2.5
Male	2.0	2.7	2.5	2.8	2.5
Female	2.5	2.2	2.5	1.9	2.5
American Indian	*	3.5	*	2.4	3.6
Low Income ²	4.3	6.0	6.5	6.4	6.6
Low Education ³	3.9	5.4	6.6	5.5	6.7
Age 65+	6.5	7.4	7.9	8.1	8.4
Aspirin use to prevent stroke⁹					
Total			69.5		
Males			68.0		
Females			71.3		
American Indian			*		
Low Income ²			65.3		
Low Education ³			59.4		
Age 65+			75.7		
Stroke Rehabilitation¹⁰					
Total			27.1		
Males			31.8		
Females			22.0		
American Indian			*		
Low Income ²			*		
Low Education ³			*		
Age 65+			28.3		
Stroke Death Rate⁴					
Stroke	40.3	24.9	25.8	32.6	29.3
Stroke-Related Costs - in millions⁵					
Stroke					\$205

Cardiovascular Disease Surveillance Data



<p>Note: In 2011, the BRFSS methodology was changed (i.e. beginning to sample cell phone-only users and changing the method for weighting of results) making 2010 and prior no longer comparable to 2011 and beyond.</p>
<p>* Data suppressed due to insufficient sample size.</p>
<p>¹ All indicators are percentages from the Behavior Risk factor Surveillance System (BRFSS) unless otherwise listed.</p>
<p>² Low income defined as earning less than \$15,000 per year.</p>
<p>³ Low education defined as having less than a high school diploma or GED.</p>
<p>⁴ Age-adjusted death rates per 100,000 population obtained from North Dakota Resident Vital Event Summary. Cerebrovascular category is used for stroke death rate.</p>
<p>⁵ Estimated total costs attributable to hypertension, diseases of the heart, COPD, and stroke for all payers and estimated costs related to absenteeism obtained from the Centers for Disease Control and Prevention's (CDC) Chronic Disease Cost Calculator - Version 2.</p>
<p>⁶ North Dakota adults reporting ever being told they have this condition by a doctor, nurse, or other health care professional.</p>
<p>⁷ North Dakota adults reporting ever having their blood cholesterol checked.</p>
<p>⁸ North Dakota adults reporting currently taking medicine for their high blood pressure.</p>
<p>⁹ North Dakota adults reporting they take aspirin to reduce their risk of stroke.</p>
<p>¹⁰ North Dakota adults reporting going to any kind of outpatient rehabilitation following their stroke.</p>