

---

# Alcohol Use

---

## DRANK IN PAST 30 DAYS

*Definition: Respondents who report drinking alcohol in the past 30 days.*

### Prevalence of Drinking in Past 30 Days

- South Dakota 58.2%
- Nationwide median 54.4%

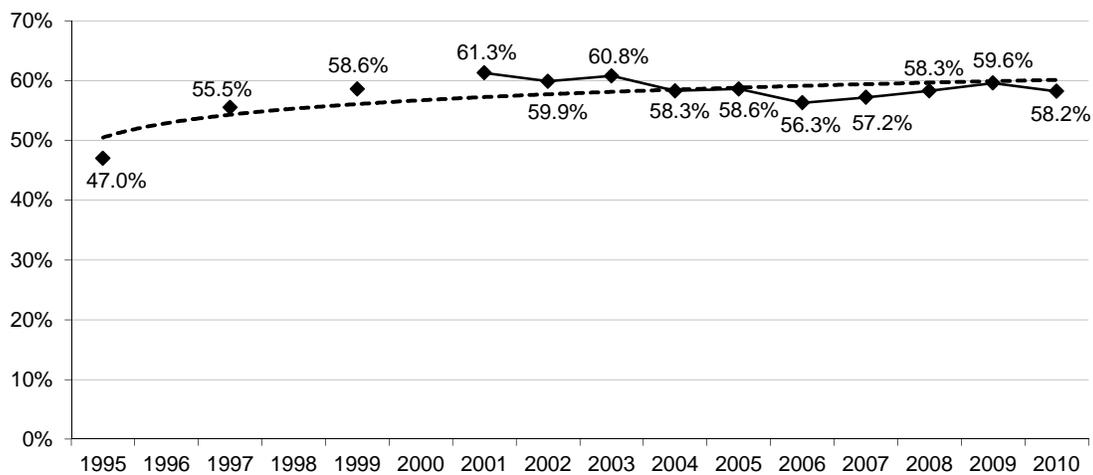
### Healthy People 2010 Objective

*There was no stated Healthy People 2010 Objective for drinking alcohol in the past 30 days.*

### Trend Analysis

Since 1995, there has been an overall increase in the percent of respondents who drank alcohol in the past 30 days. In 2010, 58.2 percent of respondents drank alcohol in the past 30 days, down slightly from 59.6 percent in 2009.

**Figure 50**  
**Percent of Respondents Who Drank Alcohol in the Past 30 Days,**  
**1995, 1997, 1999, and 2001-2010**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1995, 1997, 1999, and 2001-2010

**Table 38**  
**Respondents Who Drank Alcohol in the Past 30 Days, 2010**

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
<b>Total</b>	<b>6,689</b>	<b>58.2</b>	<b>(56.3-60.0)</b>	<b>2,637</b>	<b>65.8</b>	<b>(62.9-68.5)</b>	<b>4,052</b>	<b>50.7</b>	<b>(48.3-53.2)</b>
<b>Age</b>									
18-24	210	49.4	(40.6-58.2)	101	49.2	(37.0-61.6)	109	49.6	(37.4-61.9)
25-34	578	71.6	(66.9-75.8)	241	80.9	(74.7-85.9)	337	61.5	(54.7-67.8)
35-44	778	67.7	(63.5-71.7)	308	73.2	(66.7-78.8)	470	62.0	(56.5-67.3)
45-54	1,287	62.8	(59.4-66.1)	545	69.8	(64.6-74.5)	742	55.8	(51.3-60.2)
55-64	1,466	59.2	(56.1-62.2)	617	65.9	(61.3-70.2)	849	52.3	(48.2-56.4)
65-74	1,163	49.6	(46.0-53.1)	467	58.9	(53.4-64.1)	696	40.9	(36.5-45.4)
75+	1,172	30.8	(27.6-34.1)	351	44.6	(38.5-50.8)	821	22.1	(18.9-25.7)
<b>Race</b>									
White	5,665	59.6	(57.6-61.5)	2,242	67.0	(64.0-69.9)	3,423	52.3	(49.7-54.8)
American Indian	782	41.8	(34.9-49.1)	299	51.7	(41.9-61.4)	483	33.1	(24.1-43.4)
<b>Region</b>									
Southeast	1,345	62.5	(59.1-65.8)	527	69.6	(64.4-74.3)	818	55.7	(51.1-60.1)
Northeast	1,434	57.5	(53.7-61.2)	561	68.3	(62.5-73.6)	873	47.6	(42.8-52.4)
Central	1,285	58.3	(53.6-62.9)	504	63.9	(56.7-70.5)	781	53.1	(46.8-59.2)
West	1,323	54.4	(50.5-58.3)	536	60.8	(54.8-66.5)	787	47.5	(42.5-52.4)
American Indian Counties	1,302	46.3	(41.5-51.1)	509	55.4	(47.7-62.8)	793	36.7	(31.3-42.4)
<b>Household Income</b>									
Less than \$15,000	656	37.7	(31.0-44.9)	228	44.0	(33.5-55.1)	428	31.9	(23.4-41.8)
\$15,000-\$19,999	420	42.2	(34.3-50.5)	152	53.3	(40.2-66.0)	268	32.5	(24.6-41.5)
\$20,000-\$24,999	562	47.1	(40.3-54.0)	216	52.7	(42.5-62.8)	346	42.3	(33.4-51.8)
\$25,000-\$34,999	768	54.7	(48.5-60.7)	334	62.0	(52.8-70.5)	434	44.9	(37.0-53.0)
\$35,000-\$49,999	1,005	60.8	(56.3-65.2)	425	67.0	(59.7-73.6)	580	53.8	(48.4-59.2)
\$50,000-\$74,999	1,025	68.3	(64.2-72.1)	438	73.3	(66.8-78.9)	587	63.2	(57.9-68.1)
\$75,000+	1,175	73.6	(70.2-76.8)	555	77.8	(73.1-81.9)	620	68.8	(63.7-73.5)
<b>Education</b>									
Less than High School	601	46.0	(38.5-53.8)	268	49.8	(39.6-60.1)	333	39.7	(29.0-51.4)
High School or G.E.D.	2,177	48.9	(45.3-52.6)	888	59.3	(53.6-64.7)	1,289	37.9	(33.8-42.2)
Some Post-High School	1,868	60.7	(57.2-64.2)	687	68.6	(63.2-73.6)	1,181	54.3	(49.6-59.0)
College Graduate	2,034	67.4	(64.7-70.1)	791	74.6	(70.6-78.2)	1,243	60.7	(56.9-64.4)
<b>Marital Status</b>									
Married/Unmarried Couple	4,031	62.8	(60.8-64.7)	1,728	69.8	(66.9-72.4)	2,303	55.8	(53.0-58.4)
Divorced/Separated	848	54.4	(49.5-59.2)	341	66.7	(59.4-73.3)	507	43.3	(37.5-49.3)
Widowed	1,058	30.6	(27.2-34.1)	162	49.4	(40.1-58.8)	896	26.4	(23.0-30.1)
Never Married	743	51.5	(44.8-58.2)	403	53.8	(44.8-62.5)	340	48.4	(38.2-58.8)
<b>Children Status</b>									
Children in Household	1,166	64.1	(60.0-67.9)	440	71.1	(65.1-76.4)	726	57.6	(52.1-62.9)
No Children in Household	399	63.0	(55.2-70.1)	209	64.9	(54.2-74.3)	190	60.0	(48.9-70.1)

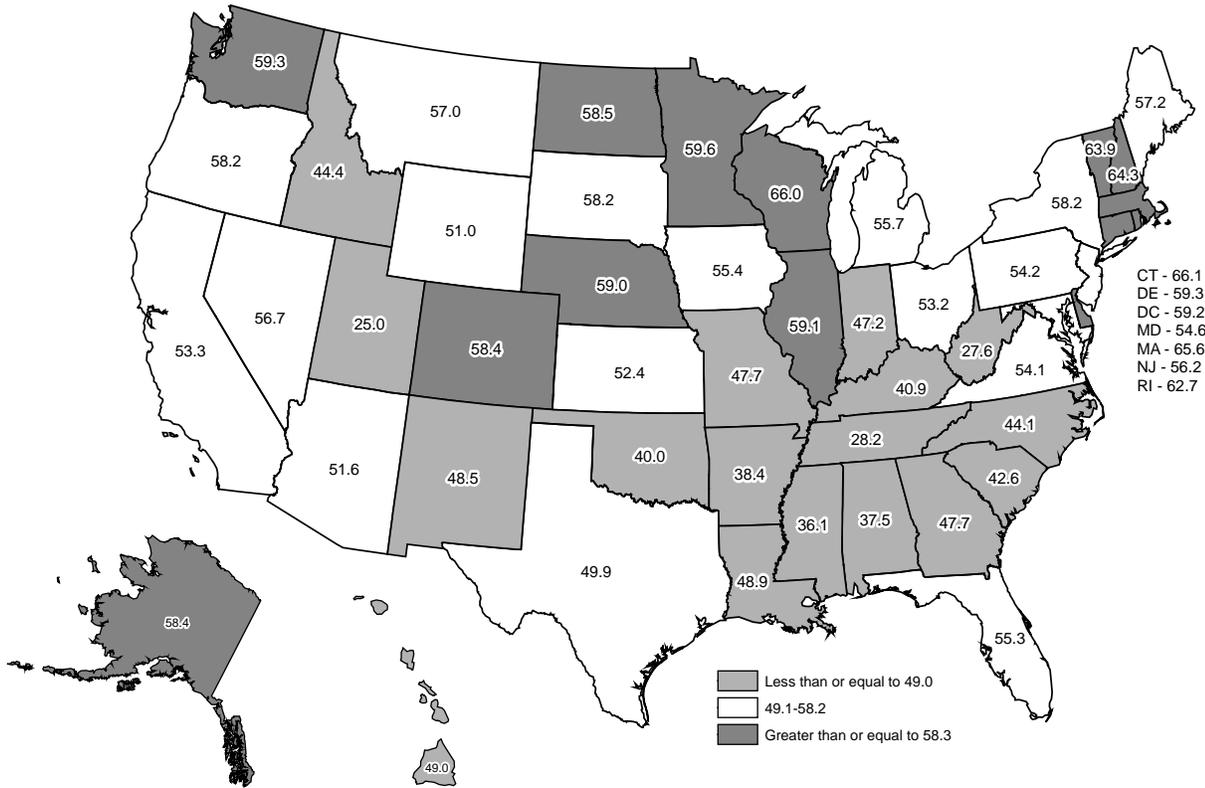
Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2010

**National Statistics**

The national median for respondents who drank in the past 30 days was 54.4 percent. South Dakota had 58.2 percent of respondents who drank in the past 30 days. Utah had the lowest percent of respondents who drank in the past 30 days with 25.0 percent, while Connecticut had the highest with 66.1 percent.

**Figure 51**  
**Nationally, Respondents Who Drink Alcohol in the Past 30 Days, 2010**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2010

## **BINGE DRINKING**

**Definition:** Male respondents who report having five or more alcoholic drinks on one occasion or female respondents who have four or more alcoholic drinks on one occasion, one or more times in the past month.

### **Prevalence of Binge Drinking**

- South Dakota 17.7%
- Nationwide median 15.1%

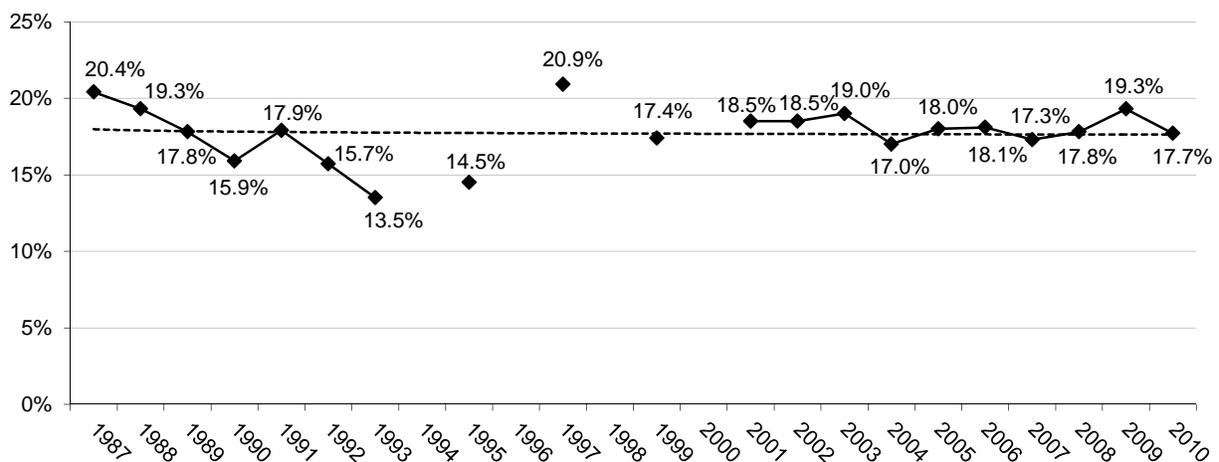
### **Healthy People 2010 Objective**

Reduce the proportion of adults engaging in binge drinking to 6 percent.

### **Trend Analysis**

Since 1987, the percent of respondents who engaged in binge drinking has remained steady. There was a sharp decrease from 19.3 percent in 2009 to 17.7 percent in 2010. South Dakota did not meet the *Healthy People 2010 Objective* goal of 6 percent.

**Figure 52**  
**Percent of Respondents Who Engage in Binge Drinking,**  
**1987-1993, 1995, 1997, 1999, and 2001-2010**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1987-1993, 1995, 1997, 1999, and 2001-2010

**Table 39  
Respondents Who Engage in Binge Drinking, 2010**

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
<b>Total</b>	<b>6,603</b>	<b>17.7</b>	<b>(16.2-19.4)</b>	<b>2,589</b>	<b>23.8</b>	<b>(21.2-26.6)</b>	<b>4,014</b>	<b>11.9</b>	<b>(10.2-13.7)</b>
<b>Age</b>									
18-24	203	25.4	(18.4-33.9)	100	31.0	(20.6-43.8)	103	19.1	(11.5-30.2)
25-34	572	28.3	(23.7-33.3)	237	36.4	(29.2-44.4)	335	19.5	(14.7-25.4)
35-44	768	24.4	(20.7-28.6)	302	33.3	(27.1-40.3)	466	15.2	(11.7-19.6)
45-54	1,267	18.2	(15.6-21.1)	534	22.3	(18.3-26.9)	733	14.1	(11.0-17.7)
55-64	1,447	11.5	(9.5-13.9)	606	16.0	(12.6-20.0)	841	7.0	(5.0-9.7)
65-74	1,149	4.8	(3.5-6.6)	456	7.3	(5.0-10.6)	693	2.5	(1.3-4.7)
75+	1,166	1.1	(0.6-2.2)	349	1.2	(0.5-3.0)	817	1.0	(0.4-2.6)
<b>Race</b>									
White	5,597	17.5	(15.9-19.3)	2,202	23.6	(20.8-26.6)	3,395	11.6	(9.9-13.6)
American Indian	767	25.2	(19.2-32.3)	293	34.0	(24.9-44.5)	474	17.3	(10.4-27.3)
<b>Region</b>									
Southeast	1,333	18.1	(15.2-21.3)	519	22.4	(17.8-27.7)	814	13.9	(10.8-17.8)
Northeast	1,414	19.4	(16.4-22.8)	546	28.2	(23.0-34.0)	868	11.5	(8.6-15.1)
Central	1,267	15.1	(12.0-18.8)	496	21.2	(15.8-27.8)	771	9.3	(6.9-12.6)
West	1,309	15.5	(12.4-19.2)	529	21.0	(16.0-27.0)	780	9.5	(6.5-13.7)
American Indian Counties	1,280	24.7	(20.3-29.7)	499	34.0	(26.7-42.0)	781	14.9	(10.8-20.2)
<b>Household Income</b>									
Less than \$15,000	645	16.1	(12.0-21.4)	223	23.1	(15.6-32.8)	422	9.9	(6.3-15.1)
\$15,000-\$19,999	416	19.4	(12.7-28.4)	152	26.8	(15.3-42.7)	264	12.8	(7.1-22.1)
\$20,000-\$24,999	556	16.5	(11.3-23.4)	211	21.3	(13.2-32.7)	345	12.3	(6.7-21.6)
\$25,000-\$34,999	757	17.2	(12.4-23.5)	325	20.4	(13.9-28.9)	432	13.1	(6.9-23.7)
\$35,000-\$49,999	999	19.2	(15.3-23.9)	423	26.9	(20.6-34.4)	576	10.4	(7.0-15.2)
\$50,000-\$74,999	1,011	17.9	(14.7-21.6)	429	20.4	(15.7-26.2)	582	15.3	(11.5-20.2)
\$75,000+	1,167	21.5	(18.2-25.3)	548	27.9	(22.7-33.7)	619	14.2	(10.8-18.5)
<b>Education</b>									
Less than High School	591	21.6	(15.0-30.0)	262	25.2	(16.2-37.0)	329	15.3	(8.2-26.9)
High School or G.E.D.	2,139	16.6	(13.7-19.8)	868	25.2	(20.3-30.9)	1,271	7.5	(5.5-10.0)
Some Post-High School	1,843	19.7	(16.9-22.8)	671	25.8	(21.2-31.0)	1,172	14.7	(11.6-18.5)
College Graduate	2,021	16.4	(14.0-19.2)	785	20.4	(16.5-24.9)	1,236	12.7	(9.8-16.3)
<b>Marital Status</b>									
Married/Unmarried Couple	3,987	16.8	(15.1-18.6)	1,703	21.4	(18.7-24.3)	2,284	12.1	(10.3-14.2)
Divorced/Separated	830	21.5	(17.1-26.7)	331	32.0	(24.2-41.0)	499	12.3	(8.8-17.1)
Widowed	1,052	3.2	(2.0-5.1)	160	11.9	(6.8-20.2)	892	1.2	(0.5-2.9)
Never Married	726	25.6	(20.1-32.0)	393	30.7	(23.0-39.6)	333	18.2	(11.7-27.3)
<b>Children Status</b>									
Children in Household	1,151	23.7	(20.4-27.3)	434	32.1	(26.7-38.1)	717	15.9	(12.4-20.1)
No Children in Household	391	32.3	(25.8-39.7)	204	37.3	(28.1-47.6)	187	24.7	(16.8-34.6)

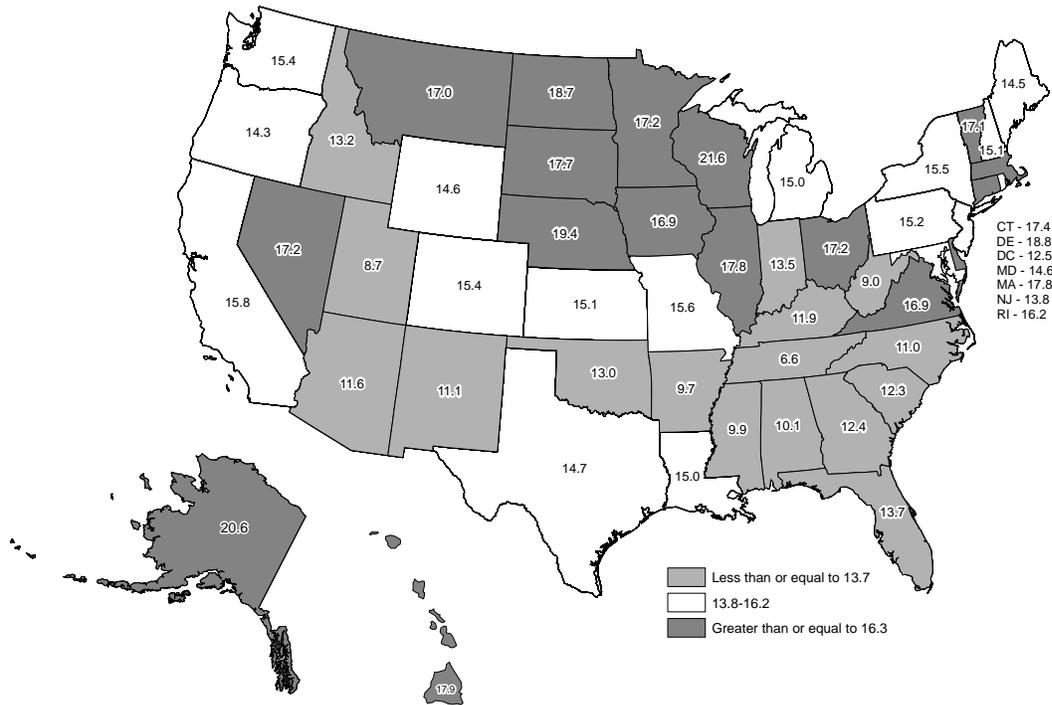
Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2010

## National Statistics

The national median for respondents who binge drink is 15.1 percent. South Dakota had 17.7 percent of respondents who binge drink. Tennessee had the lowest percent of respondents who binge drink with 6.6 percent, while Wisconsin had the highest with 21.6 percent.

**Figure 53**  
**Nationally, Respondents Who Engage in Binge Drinking, 2010**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2010

## HEAVY DRINKING

**Definition:** Male respondents who report having more than 2 drinks per day, or female respondents who report having more than 1 drink per day.

### Prevalence of Heavy Drinking

- South Dakota 4.8%
- Nationwide median 5.1%

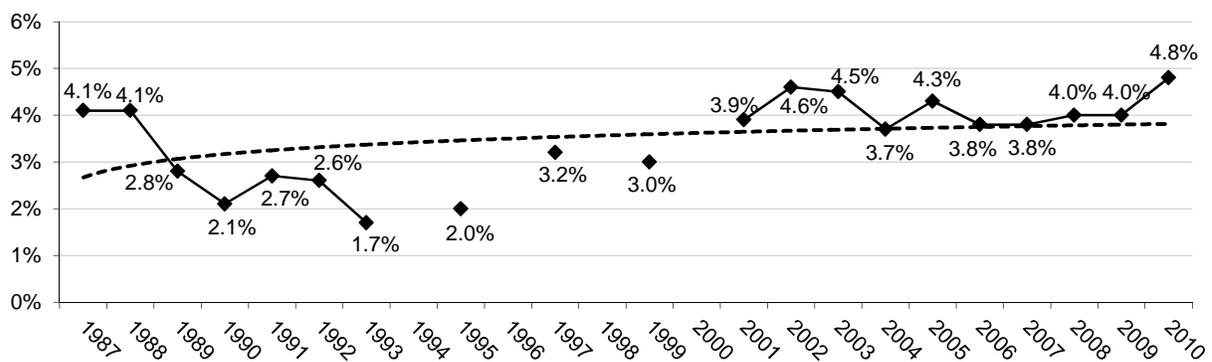
### Healthy People 2010 Objective

There was no stated Healthy People 2010 Objective for heavy drinking.

### Trend Analysis

The percent of respondents who engage in heavy drinking hit an all-time high in 2010 with 4.8 percent. The overall trend of those who engage in heavy drinking has been increasing since the question was first asked in 1987.

**Figure 54**  
**Percent of Respondents Who Engage in Heavy Drinking,**  
**1987-1993, 1995, 1997, 1999, and 2001-2010**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1987-1993, 1995, 1997, 1999, and 2001-2010

**Table 40  
Respondents Who Engage in Heavy Drinking, 2010**

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
<b>Total</b>	<b>6,546</b>	<b>4.8</b>	<b>(4.0-5.7)</b>	<b>2,556</b>	<b>5.6</b>	<b>(4.3-7.2)</b>	<b>3,990</b>	<b>4.0</b>	<b>(3.1-5.1)</b>
<b>Age</b>									
18-24	199	4.4	(2.2-8.8)	*	*	*	*	*	*
25-34	567	8.0	(5.3-11.9)	233	12.2	(7.5-19.2)	334	3.6	(1.8-6.9)
35-44	766	4.0	(2.5-6.5)	299	4.8	(2.3-9.8)	467	3.2	(1.9-5.2)
45-54	1,260	5.4	(4.0-7.3)	526	5.1	(3.2-8.1)	734	5.8	(4.0-8.3)
55-64	1,438	4.7	(3.4-6.5)	603	5.5	(3.5-8.5)	835	4.0	(2.5-6.4)
65-74	1,134	3.2	(2.1-5.0)	450	4.6	(2.6-7.8)	684	2.0	(0.9-4.2)
75+	1,153	1.2	(0.6-2.2)	344	0.8	(0.2-3.7)	809	1.4	(0.7-2.8)
<b>Race</b>									
White	5,551	4.8	(3.9-5.8)	2,181	5.5	(4.1-7.1)	3,370	4.1	(3.1-5.3)
American Indian	760	7.3	(4.1-12.7)	284	10.4	(4.7-21.7)	476	4.7	(2.5-8.9)
<b>Region</b>									
Southeast	1,322	6.2	(4.6-8.2)	514	7.0	(4.6-10.5)	808	5.4	(3.6-7.9)
Northeast	1,402	3.5	(2.2-5.4)	542	5.0	(2.7-9.0)	860	2.1	(1.3-3.3)
Central	1,257	3.4	(2.3-5.0)	489	3.1	(1.8-5.2)	768	3.7	(2.2-6.3)
West	1,298	4.4	(3.0-6.3)	523	4.9	(3.1-7.8)	775	3.8	(2.1-7.0)
American Indian Counties	1,267	5.1	(3.5-7.4)	488	6.5	(3.8-10.8)	779	3.6	(2.2-5.9)
<b>Household Income</b>									
Less than \$15,000	633	5.4	(3.2-9.0)	217	7.3	(3.6-14.2)	416	3.8	(1.8-7.8)
\$15,000-\$19,999	414	2.0	(1.0-3.9)	147	2.3	(0.8-6.3)	267	1.8	(0.8-4.1)
\$20,000-\$24,999	552	5.3	(3.2-8.9)	210	6.0	(2.7-12.8)	342	4.8	(2.4-9.3)
\$25,000-\$34,999	757	6.5	(3.7-11.2)	326	6.7	(3.2-13.5)	431	6.2	(2.6-14.3)
\$35,000-\$49,999	992	8.4	(5.6-12.4)	419	11.8	(7.2-18.7)	573	4.6	(2.4-8.6)
\$50,000-\$74,999	1,007	2.5	(1.5-3.9)	425	3.3	(1.8-6.3)	582	1.6	(0.8-2.9)
\$75,000+	1,163	4.7	(3.5-6.2)	548	4.0	(2.4-6.4)	615	5.4	(3.8-7.7)
<b>Education</b>									
Less Than High School	584	4.8	(2.1-10.7)	257	6.4	(2.4-16.1)	327	2.0	(0.9-4.7)
High School or G.E.D.	2,115	4.4	(3.2-6.0)	854	5.6	(3.8-8.2)	1,261	3.2	(1.8-5.6)
Some Post-High School	1,829	5.2	(3.7-7.2)	661	6.8	(4.2-10.6)	1,168	4.0	(2.5-6.3)
College Graduate	2,009	4.7	(3.5-6.4)	781	4.4	(2.6-7.2)	1,228	5.0	(3.5-7.2)
<b>Marital Status</b>									
Married/Unmarried Couple	3,954	4.1	(3.3-5.1)	1,685	4.9	(3.6-6.7)	2,269	3.3	(2.4-4.4)
Divorced/Separated	826	8.7	(5.6-13.5)	328	11.5	(5.9-21.2)	498	6.3	(3.8-10.2)
Widowed	1,040	1.5	(0.7-3.1)	156	1.5	(0.2-8.9)	884	1.5	(0.7-3.3)
Never Married	719	6.9	(4.5-10.5)	386	6.2	(3.4-10.9)	333	8.0	(4.2-14.5)
<b>Children Status</b>									
Children in Household	1,140	5.1	(3.5-7.3)	424	6.6	(4.1-10.5)	716	3.7	(2.0-6.5)
No Children in Household	391	7.0	(4.2-11.2)	203	7.0	(3.5-13.5)	188	6.9	(3.5-13.0)

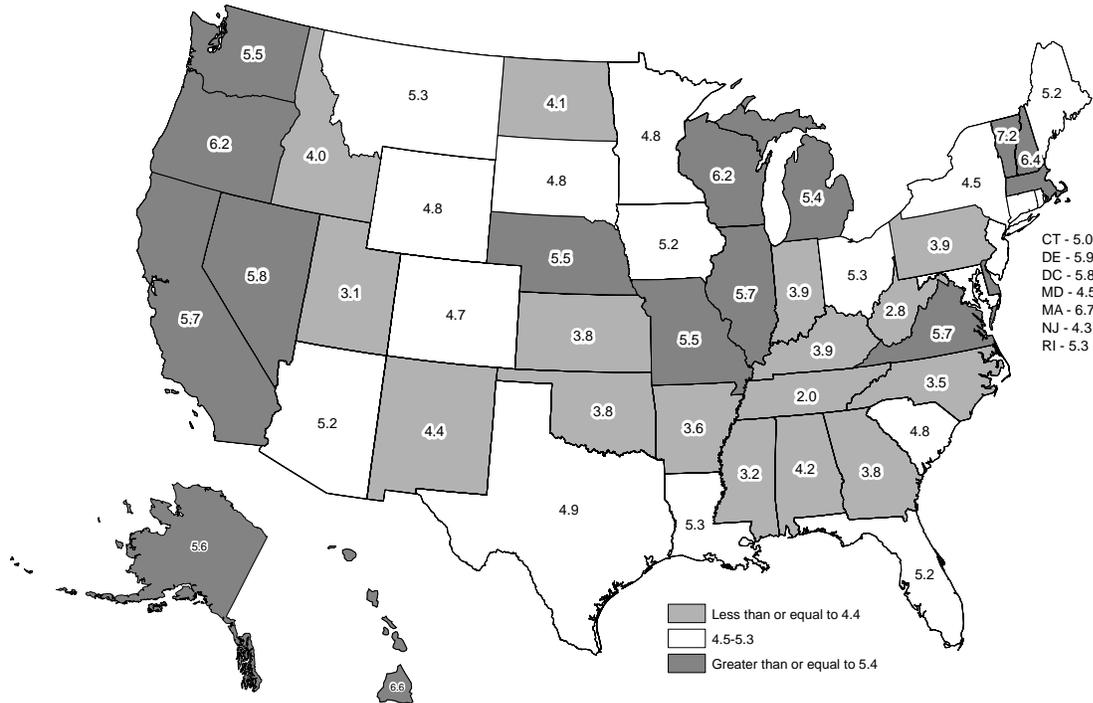
Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2010

**National Statistics**

The national median for respondents who engage in heavy drinking is 5.1 percent. South Dakota had 4.8 percent of respondents who engage in heavy drinking. Tennessee had the lowest percent of respondents who engage in heavy drinking with 2.0 percent, while Vermont had the highest with 7.2 percent.

**Figure 55**  
**Nationally, Respondents Who Engage in Heavy Drinking, 2010**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2010