

Breast and Cervical Cancer

NO MAMMOGRAM

Definition: Female respondents, ages 40 and older, who have not had a mammogram in the past two years.

Prevalence of No Mammogram

- South Dakota 23.4%
- Nationwide median 24.4%

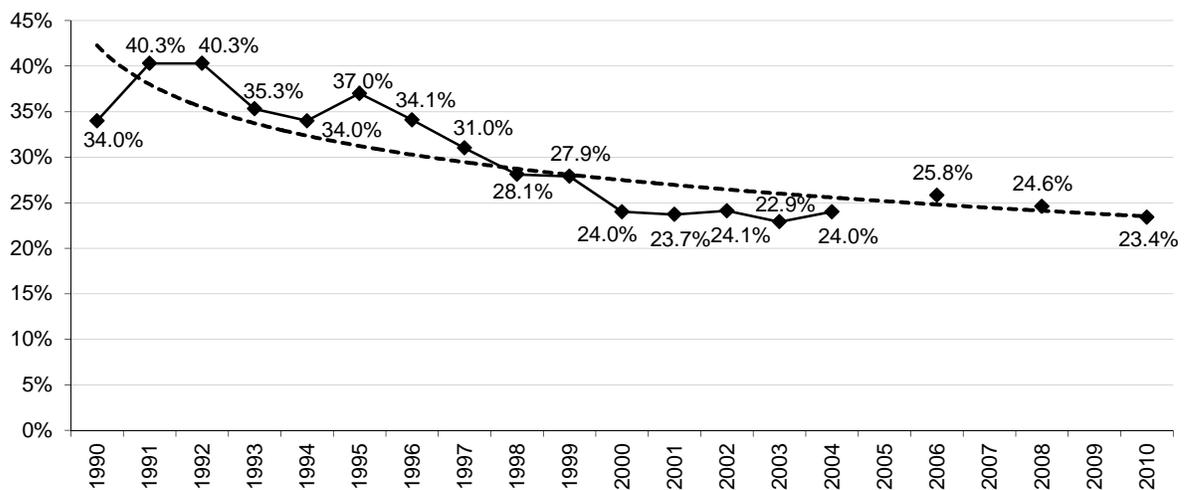
Healthy People 2010 Objective

Decrease the proportion of women aged 40 years and older who have not received a mammogram within the preceding 2 years to 30 percent.

Trend Analysis

Overall, the percent of female respondents who have not had a mammogram in the past two years has been decreasing since this question was first asked in 1990. Since 1998, South Dakota has met the *Healthy People 2010 Objective* of 30 percent. The percent of females who have not had a mammogram in the past two years decreased from 24.6 percent in 2008 to 23.4 percent in 2010.

Figure 27
Percent of Female Respondents, Ages 40 and Older, Who Have Not Had a Mammogram in the Past 2 Years, 1990-2004, 2006, 2008, and 2010



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1990-2004, 2006, 2008, and 2010

**Table 25
Female Respondents, Ages 40 and Older, Who Have Not Had a Mammogram
in the Past 2 Years, 2010**

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Total	3,313	23.4	(21.6-25.3)	-	-	-	3,313	23.4	(21.6-25.3)
Age									
18-24	-	-	-	-	-	-	-	-	-
25-34	-	-	-	-	-	-	-	-	-
35-44	252	35.4	(28.3-43.1)	-	-	-	252	35.4	(28.3-43.1)
45-54	736	22.5	(19.0-26.4)	-	-	-	736	22.5	(19.0-26.4)
55-64	835	19.5	(16.5-22.8)	-	-	-	835	19.5	(16.5-22.8)
65-74	687	15.4	(12.4-18.9)	-	-	-	687	15.4	(12.4-18.9)
75+	803	28.1	(24.5-31.9)	-	-	-	803	28.1	(24.5-31.9)
Race									
White	2,869	22.6	(20.8-24.6)	-	-	-	2,869	22.6	(20.8-24.6)
American Indian	337	39.3	(31.6-47.7)	-	-	-	337	39.3	(31.6-47.7)
Region									
Southeast	674	18.6	(15.5-22.1)	-	-	-	674	18.6	(15.5-22.1)
Northeast	745	21.4	(18.2-25.0)	-	-	-	745	21.4	(18.2-25.0)
Central	643	22.2	(18.9-26.0)	-	-	-	643	22.2	(18.9-26.0)
West	656	32.5	(28.5-36.8)	-	-	-	656	32.5	(28.5-36.8)
American Indian Counties	595	34.8	(30.3-39.6)	-	-	-	595	34.8	(30.3-39.6)
Household Income									
Less than \$15,000	347	31.2	(25.3-37.8)	-	-	-	347	31.2	(25.3-37.8)
\$15,000-\$19,999	224	30.1	(22.5-39.0)	-	-	-	224	30.1	(22.5-39.0)
\$20,000-\$24,999	295	28.1	(22.1-35.1)	-	-	-	295	28.1	(22.1-35.1)
\$25,000-\$34,999	369	29.7	(24.1-36.0)	-	-	-	369	29.7	(24.1-36.0)
\$35,000-\$49,999	491	24.0	(19.6-28.9)	-	-	-	491	24.0	(19.6-28.9)
\$50,000-\$74,999	449	21.1	(16.6-26.5)	-	-	-	449	21.1	(16.6-26.5)
\$75,000+	481	13.6	(10.3-17.8)	-	-	-	481	13.6	(10.3-17.8)
Education									
Less than High School	282	37.4	(30.2-45.1)	-	-	-	282	37.4	(30.2-45.1)
High School or G.E.D.	1,111	22.8	(19.9-26.0)	-	-	-	1,111	22.8	(19.9-26.0)
Some Post-High School	964	24.5	(21.2-28.3)	-	-	-	964	24.5	(21.2-28.3)
College Graduate	952	20.2	(17.1-23.7)	-	-	-	952	20.2	(17.1-23.7)
Marital Status									
Married/Unmarried Couple	1,844	20.3	(18.2-22.7)	-	-	-	1,844	20.3	(18.2-22.7)
Divorced/Separated	440	29.6	(24.2-35.6)	-	-	-	440	29.6	(24.2-35.6)
Widowed	865	30.6	(27.0-34.6)	-	-	-	865	30.6	(27.0-34.6)
Never Married	159	33.3	(23.6-44.7)	-	-	-	159	33.3	(23.6-44.7)
Children Status									
Children in Household	198	33.2	(25.6-41.9)	-	-	-	198	33.2	(25.6-41.9)
No Children in Household	*	*	*	-	-	-	*	*	*

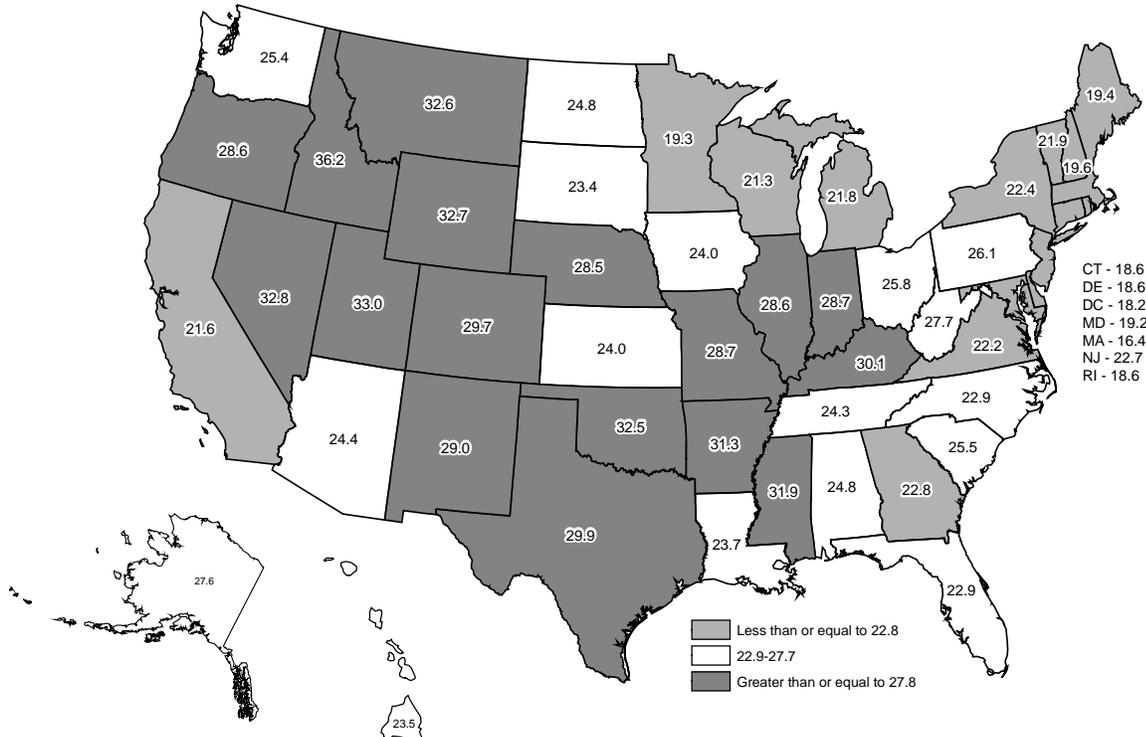
Note: *Results based on sample sizes less than 100 have been suppressed.

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

National Statistics

The national median for female respondents who have not had a mammogram in the past two years was 24.4 percent. South Dakota had 23.4 percent of female respondents who have not had a mammogram in the past two years. Massachusetts had the lowest percent of female respondents who have not had a mammogram in the past two years with 16.4 percent, while Idaho had the highest percent with 36.2 percent.

Figure 28
Nationally, Female Respondents, Ages 40 and Older, Who Have Not Had a Mammogram in the Past 2 Years, 2010



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

NO CLINICAL BREAST EXAM

Definition: Female respondents who have not had a clinical breast exam in the past two years.

Prevalence of No Clinical Breast Exam

- South Dakota 23.9%
- There is no nationwide median for no clinical breast exam in the past two years

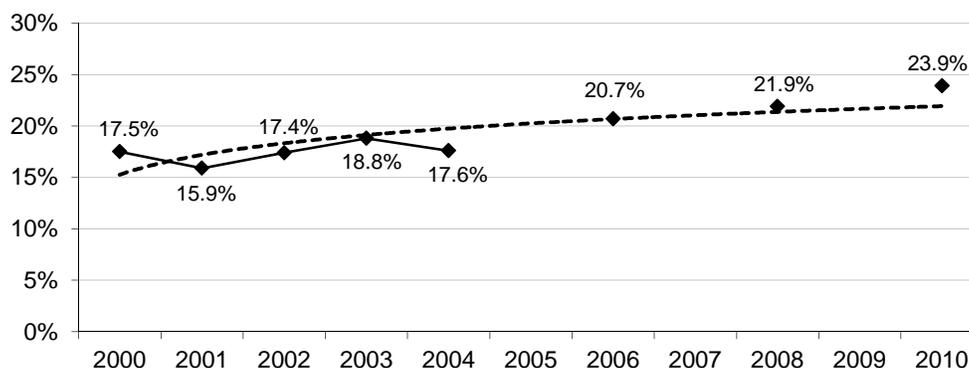
Healthy People 2010 Objective

There was no stated Healthy People 2010 Objective for not having a clinical breast exam in the past two years.

Trend Analysis

Overall, the percent of female respondents who have not had a clinical breast exam in the past two years has been increasing. This trend includes a low of 15.9 percent in 2001 to a high of 23.9 percent in 2010.

Figure 29
Percent of Female Respondents Who Have Not Had a Clinical Breast Exam in the Past 2 Years, 2000-2004, 2006, 2008, and 2010



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2000-2004, 2006, 2008, and 2010

Table 26
Female Respondents Who Have Not Had a Clinical Breast Exam in the Past 2 Years, 2010

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Total	3,980	23.9	(21.6-26.4)	-	-	-	3,980	23.9	(21.6-26.4)
Age									
18-24	107	52.9	(40.5-64.9)	-	-	-	107	52.9	(40.5-64.9)
25-34	336	12.6	(9.0-17.4)	-	-	-	336	12.6	(9.0-17.4)
35-44	468	16.1	(12.7-20.3)	-	-	-	468	16.1	(12.7-20.3)
45-54	735	17.2	(14.2-20.8)	-	-	-	735	17.2	(14.2-20.8)
55-64	832	17.3	(14.5-20.5)	-	-	-	832	17.3	(14.5-20.5)
65-74	684	22.0	(18.4-26.1)	-	-	-	684	22.0	(18.4-26.1)
75+	792	38.7	(34.7-42.8)	-	-	-	792	38.7	(34.7-42.8)
Race									
White	3,365	22.9	(20.5-25.5)	-	-	-	3,365	22.9	(20.5-25.5)
American Indian	472	39.2	(28.9-50.7)	-	-	-	472	39.2	(28.9-50.7)
Region									
Southeast	801	20.6	(16.4-25.5)	-	-	-	801	20.6	(16.4-25.5)
Northeast	856	23.9	(19.3-29.2)	-	-	-	856	23.9	(19.3-29.2)
Central	763	27.2	(21.2-34.2)	-	-	-	763	27.2	(21.2-34.2)
West	778	25.4	(21.2-30.1)	-	-	-	778	25.4	(21.2-30.1)
American Indian Counties	782	34.7	(29.5-40.3)	-	-	-	782	34.7	(29.5-40.3)
Household Income									
Less than \$15,000	420	44.4	(34.8-54.4)	-	-	-	420	44.4	(34.8-54.4)
\$15,000-\$19,999	261	37.7	(29.5-46.6)	-	-	-	261	37.7	(29.5-46.6)
\$20,000-\$24,999	343	24.0	(18.6-30.4)	-	-	-	343	24.0	(18.6-30.4)
\$25,000-\$34,999	430	30.4	(22.9-39.0)	-	-	-	430	30.4	(22.9-39.0)
\$35,000-\$49,999	576	18.3	(14.8-22.4)	-	-	-	576	18.3	(14.8-22.4)
\$50,000-\$74,999	581	11.8	(9.1-15.1)	-	-	-	581	11.8	(9.1-15.1)
\$75,000+	615	12.0	(8.3-17.1)	-	-	-	615	12.0	(8.3-17.1)
Education									
Less than High School	323	47.8	(39.4-56.4)	-	-	-	323	47.8	(39.4-56.4)
High School or G.E.D.	1,251	30.5	(25.9-35.4)	-	-	-	1,251	30.5	(25.9-35.4)
Some Post-High School	1,171	23.3	(18.8-28.4)	-	-	-	1,171	23.3	(18.8-28.4)
College Graduate	1,229	15.1	(12.1-18.7)	-	-	-	1,229	15.1	(12.1-18.7)
Marital Status									
Married/Unmarried Couple	2,277	16.0	(14.1-18.1)	-	-	-	2,277	16.0	(14.1-18.1)
Divorced/Separated	497	25.6	(20.7-31.2)	-	-	-	497	25.6	(20.7-31.2)
Widowed	867	38.6	(34.7-42.6)	-	-	-	867	38.6	(34.7-42.6)
Never Married	334	51.3	(41.0-61.4)	-	-	-	334	51.3	(41.0-61.4)
Marital Status									
Children in Household	722	22.8	(17.9-28.6)	-	-	-	722	22.8	(17.9-28.6)
No Children In Household	189	33.5	(23.2-45.6)	-	-	-	189	33.5	(23.2-45.6)

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

INSUFFICIENT CERVICAL CANCER SCREENING

Definition: Female respondents, ages 18 and older, who have not received a Pap test within the past three years.

Prevalence of Insufficient Cervical Cancer Screening

- South Dakota 19.1%
- Nationwide median 19.0%

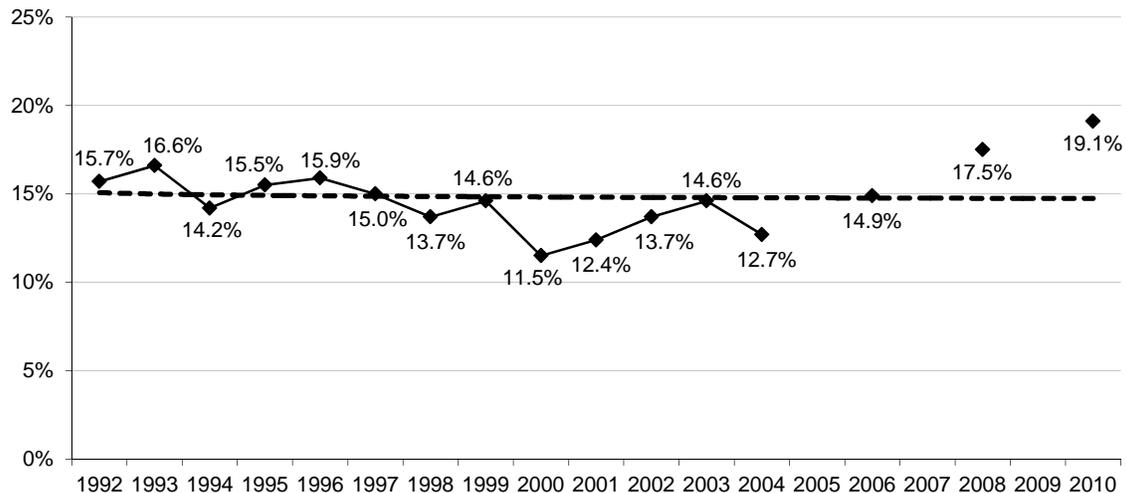
Healthy People 2010 Objective

Decrease the proportion of women aged 18 years and older who have not received a Pap test in the preceding 3 years to 10 percent.

Trend Analysis

Overall, the percent of females who had insufficient cervical cancer screening has remained steady for the past nineteen years. In 2010, females having insufficient cervical cancer screening reached an all-time high with 19.1 percent. South Dakota did not meet the *Healthy People 2010 Objective* of 10 percent.

Figure 30
Percent of Female Respondents Who Had Insufficient Cervical Cancer Screening, 1992-2004, 2006, 2008, and 2010



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1992-2004, 2006, 2008, and 2010

Table 27
Female Respondents Who Had Insufficient Cervical Cancer Screening, 2010

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Total	2,772	19.1	(16.6-22.0)	-	-	-	2,772	19.1	(16.6-22.0)
Age									
18-24	106	38.9	(26.9-52.4)	-	-	-	106	38.9	(26.9-52.4)
25-34	329	4.4	(2.6-7.4)	-	-	-	329	4.4	(2.6-7.4)
35-44	419	8.8	(6.1-12.6)	-	-	-	419	8.8	(6.1-12.6)
45-54	520	12.7	(9.7-16.5)	-	-	-	520	12.7	(9.7-16.5)
55-64	570	16.3	(13.0-20.1)	-	-	-	570	16.3	(13.0-20.1)
65-74	394	23.7	(19.1-29.0)	-	-	-	394	23.7	(19.1-29.0)
75+	434	52.8	(47.1-58.4)	-	-	-	434	52.8	(47.1-58.4)
Race									
White	2,278	19.6	(16.8-22.7)	-	-	-	2,278	19.6	(16.8-22.7)
American Indian	385	16.3	(11.5-22.6)	-	-	-	385	16.3	(11.5-22.6)
Region									
Southeast	545	15.8	(11.4-21.5)	-	-	-	545	15.8	(11.4-21.5)
Northeast	595	20.8	(15.6-27.3)	-	-	-	595	20.8	(15.6-27.3)
Central	519	18.9	(14.2-24.7)	-	-	-	519	18.9	(14.2-24.7)
West	516	22.9	(17.7-29.1)	-	-	-	516	22.9	(17.7-29.1)
American Indian Counties	597	19.4	(15.2-24.5)	-	-	-	597	19.4	(15.2-24.5)
Household Income									
Less than \$15,000	272	34.1	(23.4-46.8)	-	-	-	272	34.1	(23.4-46.8)
\$15,000-\$19,999	173	26.7	(18.8-36.3)	-	-	-	173	26.7	(18.8-36.3)
\$20,000-\$24,999	221	21.7	(15.6-29.3)	-	-	-	221	21.7	(15.6-29.3)
\$25,000-\$34,999	301	23.6	(15.7-34.0)	-	-	-	301	23.6	(15.7-34.0)
\$35,000-\$49,999	416	18.3	(13.6-24.2)	-	-	-	416	18.3	(13.6-24.2)
\$50,000-\$74,999	436	6.2	(4.3-9.0)	-	-	-	436	6.2	(4.3-9.0)
\$75,000+	463	7.8	(4.4-13.5)	-	-	-	463	7.8	(4.4-13.5)
Education									
Less than High School	196	36.1	(26.7-46.6)	-	-	-	196	36.1	(26.7-46.6)
High School or G.E.D.	821	25.1	(20.2-30.8)	-	-	-	821	25.1	(20.2-30.8)
Some Post-High School	821	21.8	(16.4-28.4)	-	-	-	821	21.8	(16.4-28.4)
College Graduate	932	10.2	(7.7-13.6)	-	-	-	932	10.2	(7.7-13.6)
Marital Status									
Married/Unmarried Couple	1,620	10.7	(9.1-12.5)	-	-	-	1,620	10.7	(9.1-12.5)
Divorced/Separated	354	17.6	(13.2-23.2)	-	-	-	354	17.6	(13.2-23.2)
Widowed	492	47.2	(41.9-52.5)	-	-	-	492	47.2	(41.9-52.5)
Never Married	303	41.0	(30.4-52.5)	-	-	-	303	41.0	(30.4-52.5)
Children Status									
Children in Household	678	12.6	(8.4-18.6)	-	-	-	678	12.6	(8.4-18.6)
No Children in Household	176	27.0	(17.3-39.5)	-	-	-	176	27.0	(17.3-39.5)

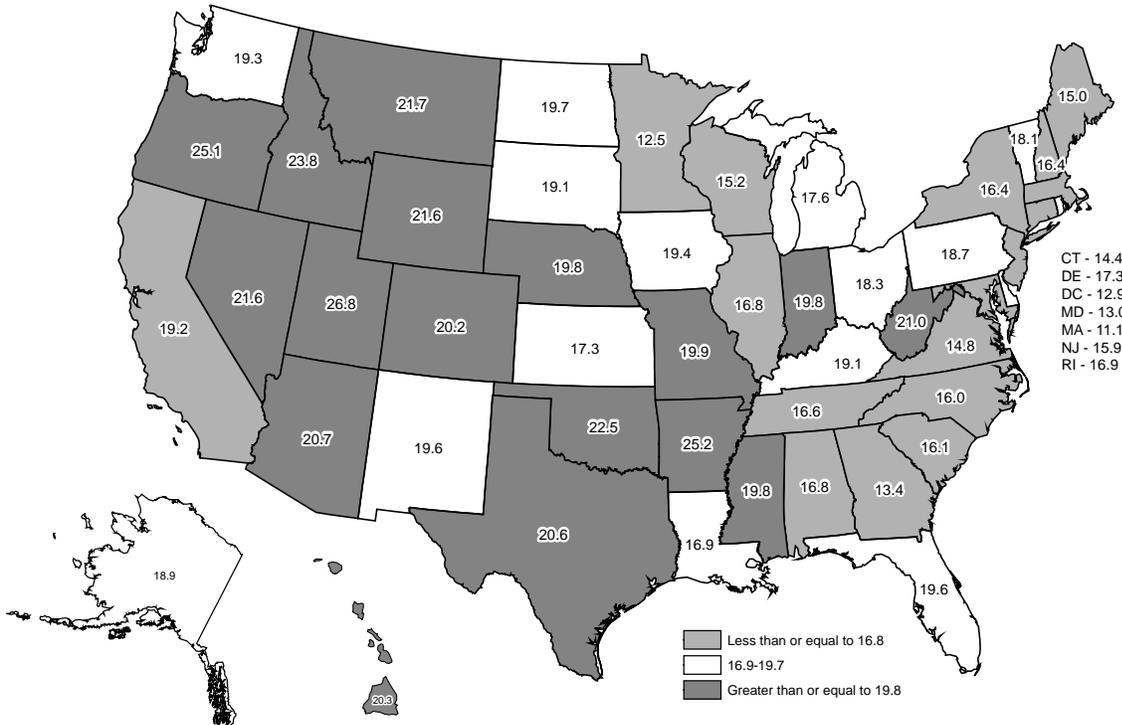
Note: *Results based on sample sizes less than 100 have been suppressed.

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

National Statistics

The national median for female respondents who had insufficient cervical cancer screening was 19.0 percent. South Dakota had 19.1 percent of female respondents who had insufficient cervical cancer screening. Massachusetts had the lowest percent of female respondents who had insufficient cervical cancer screening with 11.1 percent, while Utah had the highest with 26.8 percent.

Figure 31
Nationally, Female Respondents Who Had Insufficient Cervical Cancer Screening, 2010



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