

Breast and Cervical Cancer

NO MAMMOGRAM

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

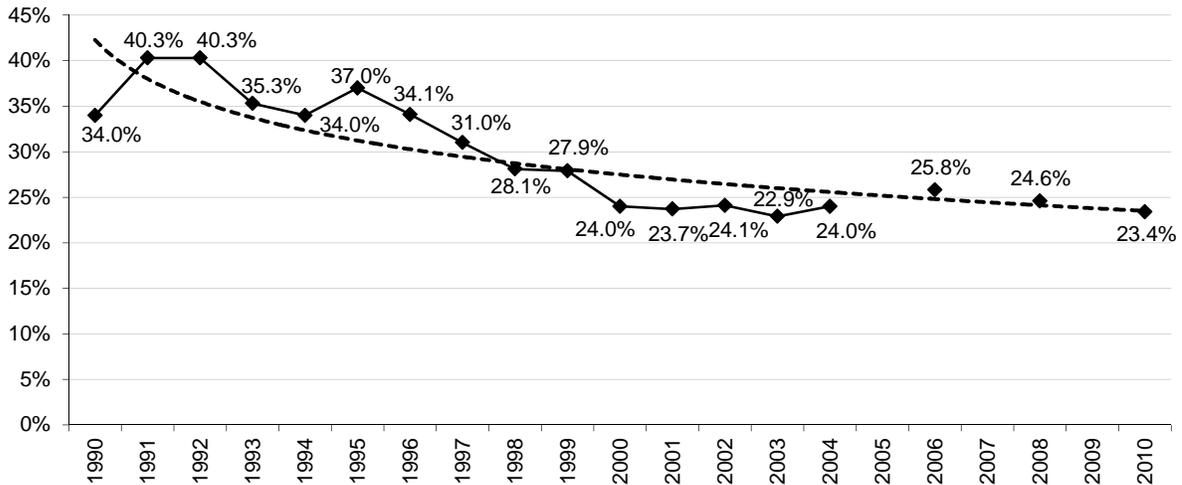
Prevalence of No Mammogram

- South Dakota 26%
- Nationwide median 26%

Healthy People 2020 Objective

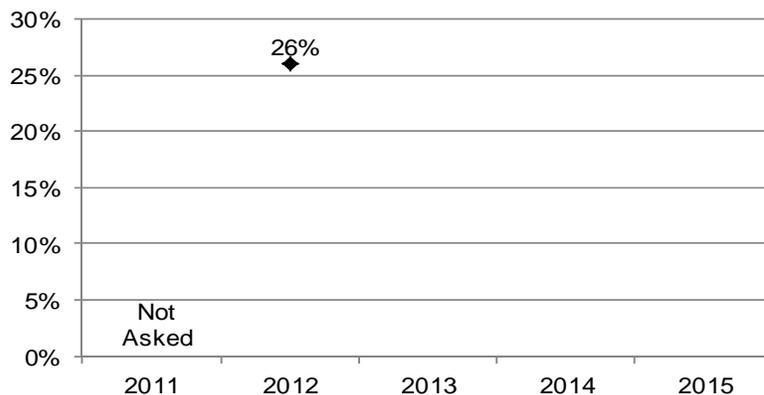
There is no comparable Healthy People 2020 Objective for women aged 40 years and older who have not received a mammogram within the preceding 2 years.

Figure 48
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

Figure 49
Percent of Female Respondents, Ages 40 and Older, Who Have Not Had a Mammogram in the Past 2 Years, 2012



Note: Beginning in 2011, the CDC began using a different methodology to weight the data, therefore current data estimates cannot be compared to previous years.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

Table 27		
Female Respondents, Ages 40 and Older, Who Have Not Had a Mammogram in the Past 2 Years, 2012		
		2012
Total		26%
Gender	Male	--
	Female	26%
Age	18-44	41%
	45-64	24%
	65+	26%
Race	White	26%
	American Indian	33%
Ethnicity	Hispanic	*
	Non-Hispanic	26%
Household Income	Less than \$25,000	35%
	\$25,000-\$49,999	26%
	\$50,000+	15%
Education	High School, G.E.D., or Less	30%
	Some Post-High School	25%
	College Graduate	22%
Employment Status	Employed for Wages	24%
	Self-employed	17%
	Unemployed	*
	Homemaker	25%
	Student	*
	Retired	27%
	Unable to Work	41%
Marital Status	Married/Unmarried Couple	24%
	Divorced/Separated	33%
	Widowed	30%
	Never Married	31%
Home Ownership Status	Own Home	24%
	Rent Home	32%
Children Status	Children in Household (Ages 18-44)	41%
	No Children in Household (Ages 18-44)	*
Phone Status	Landline	26%
	Cell Phone	30%
Pregnancy Status	Pregnant (Ages 18-44)	*
	Not Pregnant (Ages 18-44)	40%

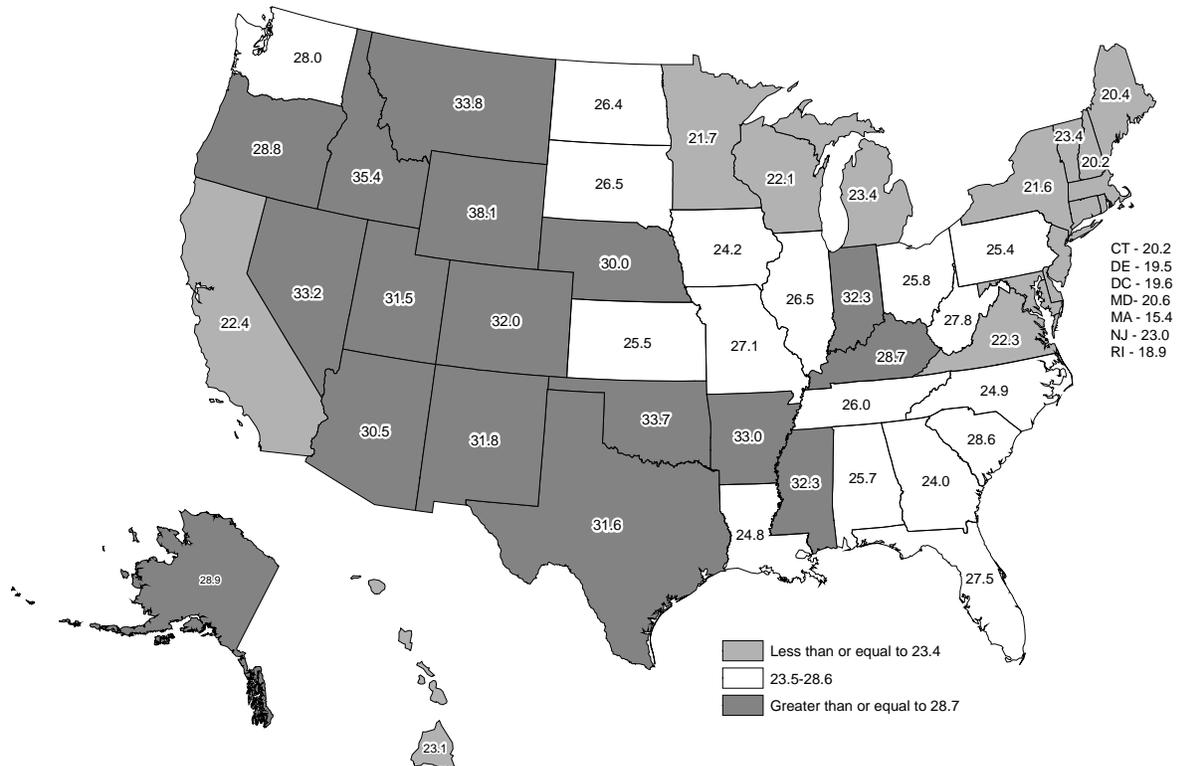
Note: *Results based on small sample sizes have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

National Statistics

The national median for female respondents who have not had a mammogram in the past two years was 26 percent as shown in Figure 50 on the next page. South Dakota had 26.5 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 15.4 percent, while Wyoming had the highest percent with 38.1 percent.

Figure 50
Nationally, Female Respondents, Ages 40 and Older, Who Have Not Had a Mammogram in the Past 2 Years, 2012



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

Further Analysis

Following are data illustrating the percent of females, ages 40 and older, who have not had a mammogram in the past 2 years for various health behaviors and conditions. For example, 41 percent of respondents who are heavy drinkers have not had a mammogram, while 26 percent of respondents who are not heavy drinkers have not had a mammogram.

Health Behavior or Condition	% No Mammogram
Underweight (BMI < 18.5)	*
Recommended (BMI = 18.5-24.9)	31%
Overweight (BMI = 25.0-29.9)	22%
Obese - Class I (BMI = 30.0-34.9)	21%
Obese - Classes II & III (BMI = 35.0+)	28%
Leisure Time Exercise	25%
No Leisure Time Exercise	30%
Current Smoker	41%
Former Smoker	20%
Never Smoked	25%
Smokeless Tobacco	*
No Smokeless Tobacco	27%
Diabetes	27%
No Diabetes	26%
High Blood Pressure	21%
No High Blood Pressure	30%

**Table 28 (continued)
No Mammogram for Females, Ages 40 and Older, for Selected
Health Behaviors and Conditions, 2012**

Health Behavior or Condition	% No Mammogram
Health Insurance (18-64)	23%
No Health Insurance (18-64)	70%
Employer Based Coverage (18-64)	21%
Private Health Plan (18-64)	29%
Medicare (18-64)	19%
Medicaid or Medical Assistance (18-64)	*
The Military, CHAMPUS, TriCare, or the VA (18-64)	*
The Indian Health Service (18-64)	34%
Breast Exam Within Past Two Years	13%
No Breast Exam Within Past Two Years	67%
Pap Smear Within Past Three Years	16%
No Pap Smear Within Past Three Years	68%
Blood Stool Test Within Past Two Years (50+)	7%
No Blood Stool Test Within Past Two Years (50+)	26%
Ever Had a Sigmoidoscopy or Colonoscopy (50+)	13%
Never Had a Sigmoidoscopy or Colonoscopy (50+)	43%
Flu Shot (65+)	21%
No Flu Shot (65+)	36%
Pneumonia Shot (65+)	20%
No Pneumonia Shot (65+)	37%
Previously Had Heart Attack	30%
Never Had Heart Attack	26%
Have Angina or Coronary Heart Disease	26%
Do Not Have Angina or Coronary Heart Disease	26%
Previously Had a Stroke	25%
Never Had a Stroke	27%
Cancer	18%
No Cancer	28%
Skin Cancer	16%
No Skin Cancer	27%
Current Asthma	22%
Former Asthma	*
Never Had Asthma	27%
Arthritis	24%
No Arthritis	28%
COPD	34%
No COPD	26%
Depression	30%
No Depression	25%
Kidney Disease	25%
No Kidney Disease	27%
Vision Impairment	31%
No Vision Impairment	25%
Been to the Dentist in the Past Year	20%
Haven't Been to the Dentist in the Past Year	44%
Always/Almost Always Wear Seat Belt	25%
Sometimes/Seldom/Never Wear Seat Belt	44%
Drank Alcohol in Past 30 Days	23%
Did Not Drink Alcohol in Past 30 Days	30%
Binge Drinker	34%
Not a Binge Drinker	26%

**Table 28 (continued)
No Mammogram for Females, Ages 40 and Older, for Selected
Health Behaviors and Conditions, 2012**

Health Behavior or Condition	% No Mammogram
Heavy Drinker	41%
Not a Heavy Drinker	26%
< 3 Sweetened Beverages per Day	25%
3+ Sweetened Beverages per Day	*
Good/Very Good/Excellent Health Status	25%
Fair/Poor Health Status	32%
Physical Health Not Good for 0-29 Days of the Past 30	26%
Physical Health Not Good for 30 Days of the Past 30	31%
Mental Health Not Good for 0-19 Days of the Past 30	25%
Mental Health Not Good for 20-30 Days of the Past 30	44%
Usual Activities Unattainable for 0-9 Days of the Past 30	26%
Usual Activities Unattainable for 10-30 Days of the Past 30	27%
Physical, Mental, or Emotional Problems	35%
No Physical, Mental, or Emotional Problems	24%
Disability with Special Equipment Needed	37%
No Disability with Special Equipment Needed	25%
Heard of "Healthy South Dakota" Program	24%
Not Heard of "Healthy South Dakota" Program	29%
Injured in a Fall in Past 12 Months (45+)	27%
Not Injured in a Fall in Past 12 Months (45+)	24%
Been Tested for HIV (18-64)	28%
Never Been Tested for HIV (18-64)	26%

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

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

NO CLINICAL BREAST EXAM

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

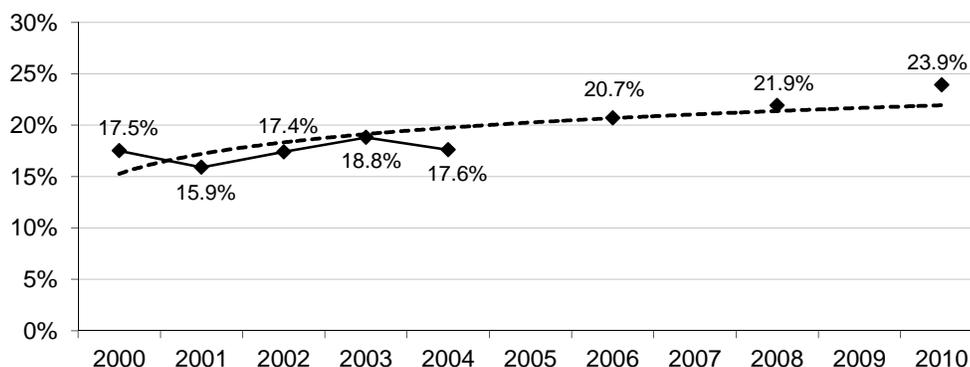
Prevalence of No Clinical Breast Exam

- South Dakota 26%
- There is no nationwide median for no clinical breast exam in the past two years

Healthy People 2020 Objective

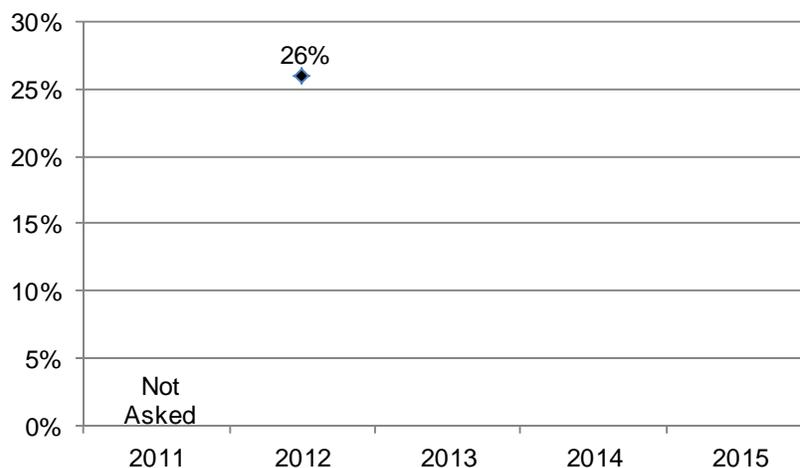
There is no comparable Healthy People 2020 Objective for women who have not had a clinical breast exam in the past two years.

Figure 51
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

Figure 52
Percent of Female Respondents Who Have Not Had a Clinical Breast Exam in the Past 2 Years, 2012



Note: Beginning in 2011, the CDC began using a different methodology to weight the data, therefore current data estimates cannot be compared to previous years.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

Table 29		
Female Respondents Who Have Not Had a Clinical Breast Exam in the Past 2 Years, 2012		
		2012
Total		26%
Gender	Male	--
	Female	26%
Age	18-44	28%
	45-64	20%
	65+	32%
Race	White	25%
	American Indian	36%
Ethnicity	Hispanic	*
	Non-Hispanic	26%
Household Income	Less than \$25,000	36%
	\$25,000-\$49,999	22%
	\$50,000+	14%
Education	High School, G.E.D., or Less	33%
	Some Post-High School	26%
	College Graduate	16%
Employment Status	Employed for Wages	19%
	Self-employed	18%
	Unemployed	52%
	Homemaker	32%
	Student	51%
	Retired	31%
	Unable to Work	46%
Marital Status	Married/Unmarried Couple	20%
	Divorced/Separated	28%
	Widowed	35%
	Never Married	43%
Home Ownership Status	Own Home	22%
	Rent Home	35%
Children Status	Children in Household (Ages 18-44)	27%
	No Children in Household (Ages 18-44)	31%
Phone Status	Landline	25%
	Cell Phone	28%
Pregnancy Status	Pregnant (Ages 18-44)	*
	Not Pregnant (Ages 18-44)	28%

Note: *Results based on small sample sizes have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

Further Analysis

Following are data illustrating the percent of females who have not had a clinical breast exam in the past two years for various health behaviors and conditions. For example, 67 percent of respondents who do not have health insurance have not had a clinical breast exam, while 20 percent of respondents who have health insurance have not had a clinical breast exam.

Table 30	
No Clinical Breast Exam for Females in the Past Two Years for Selected Health Behaviors and Conditions, 2012	
Health Behavior or Condition	% No Clinical Breast Exam
Underweight (BMI < 18.5)	*
Recommended (BMI = 18.5-24.9)	27%
Overweight (BMI = 25.0-29.9)	27%
Obese - Class I (BMI = 30.0-34.9)	23%
Obese - Classes II & III (BMI = 35.0+)	29%

Table 30 (continued)
No Clinical Breast Exam for Females in the Past Two Years for
Selected Health Behaviors and Conditions, 2012

Health Behavior or Condition	% No Clinical Breast Exam
Leisure Time Exercise	24%
No Leisure Time Exercise	34%
Current Smoker	33%
Former Smoker	20%
Never Smoked	26%
Smokeless Tobacco	*
No Smokeless Tobacco	26%
Diabetes	36%
No Diabetes	25%
High Blood Pressure	23%
No High Blood Pressure	26%
Health Insurance (18-64)	20%
No Health Insurance (18-64)	67%
Employer Based Coverage (18-64)	16%
Private Health Plan (18-64)	21%
Medicare (18-64)	37%
Medicaid or Medical Assistance (18-64)	36%
The Military, CHAMPUS, TriCare, or the VA (18-64)	*
The Indian Health Service (18-64)	39%
Mammogram Within Past Two Years (40+)	11%
No Mammogram Within Past Two Years (40+)	63%
Pap Smear Within Past Three Years	14%
No Pap Smear Within Past Three Years	73%
Blood Stool Test Within Past Two Years (50+)	8%
No Blood Stool Test Within Past Two Years (50+)	28%
Ever Had a Sigmoidoscopy or Colonoscopy (50+)	18%
Never Had a Sigmoidoscopy or Colonoscopy (50+)	39%
Flu Shot (65+)	29%
No Flu Shot (65+)	36%
Pneumonia Shot (65+)	30%
No Pneumonia Shot (65+)	40%
Previously Had Heart Attack	43%
Never Had Heart Attack	26%
Have Angina or Coronary Heart Disease	43%
Do Not Have Angina or Coronary Heart Disease	26%
Previously Had a Stroke	37%
Never Had a Stroke	26%
Cancer	22%
No Cancer	27%
Skin Cancer	24%
No Skin Cancer	26%
Current Asthma	30%
Former Asthma	28%
Never Had Asthma	25%
Arthritis	27%
No Arthritis	26%
COPD	37%
No COPD	26%
Kidney Disease	30%
No Kidney Disease	26%
Vision Impairment	34%
No Vision Impairment	25%

Table 30 (continued)
No Clinical Breast Exam for Females in the Past Two Years for
Selected Health Behaviors and Conditions, 2012

Health Behavior or Condition	% No Clinical Breast Exam
Depression	28%
No Depression	25%
Been to the Dentist in the Past Year	22%
Haven't Been to the Dentist in the Past Year	39%
Always/Almost Always Wear Seat Belt	25%
Sometimes/Seldom/Never Wear Seat Belt	36%
Drank Alcohol in Past 30 Days	21%
Did Not Drink Alcohol in Past 30 Days	32%
Binge Drinker	25%
Not a Binge Drinker	26%
Heavy Drinker	35%
Not a Heavy Drinker	25%
< 3 Sweetened Beverages per Day	25%
3+ Sweetened Beverages per Day	42%
Good/Very Good/Excellent Health Status	25%
Fair/Poor Health Status	37%
Physical Health Not Good for 0-29 Days of the Past 30	26%
Physical Health Not Good for 30 Days of the Past 30	37%
Mental Health Not Good for 0-19 Days of the Past 30	26%
Mental Health Not Good for 20-30 Days of the Past 30	37%
Usual Activities Unattainable for 0-9 Days of the Past 30	25%
Usual Activities Unattainable for 10-30 Days of the Past 30	37%
Physical, Mental, or Emotional Problems	33%
No Physical, Mental, or Emotional Problems	24%
Disability with Special Equipment Needed	45%
No Disability with Special Equipment Needed	25%
Heard of "Healthy South Dakota" Program	19%
Not Heard of "Healthy South Dakota" Program	31%
Injured in a Fall in Past 12 Months (45+)	30%
Not Injured in a Fall in Past 12 Months (45+)	24%
Been Tested for HIV (18-64)	23%
Never Been Tested for HIV (18-64)	27%

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

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

INSUFFICIENT CERVICAL CANCER SCREENING

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

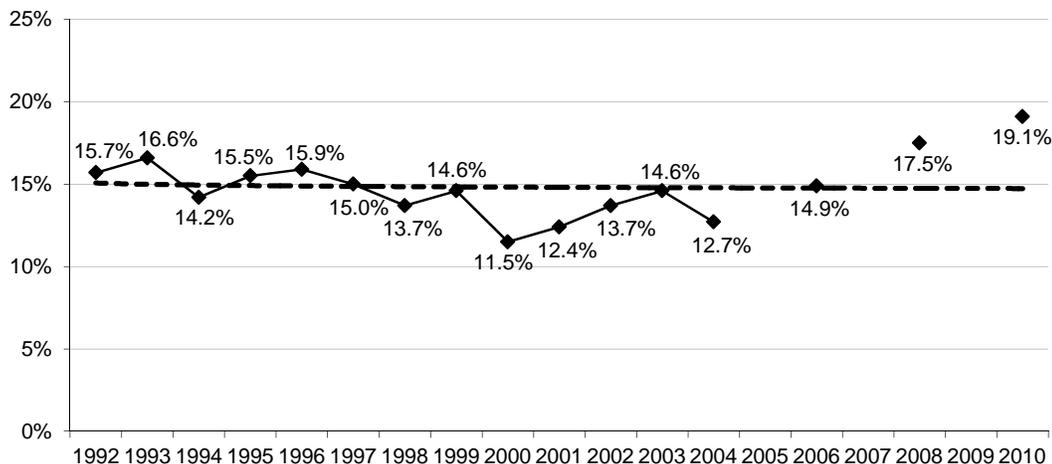
Prevalence of Insufficient Cervical Cancer Screening

- South Dakota 21%
- Nationwide median 22%

Healthy People 2020 Objective

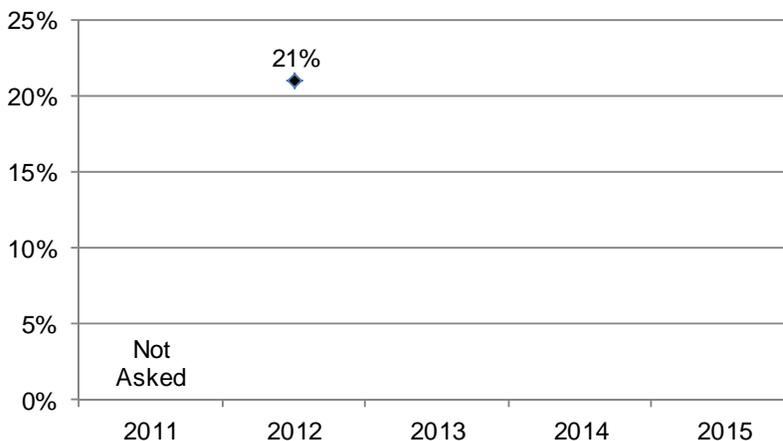
There is no comparable Healthy People 2020 Objective for women who have not received a Pap test within the past 3 years.

Figure 53
Percent of Female Respondents Who Had Insufficient Cervical Cancer Screening in the Past Three Years, 1992-2004, 2006, 2008, and 2010



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

Figure 54
Percent of Female Respondents Who Had Insufficient Cervical Cancer Screening in the Past Three Years, 2012



Note: Beginning in 2011, the CDC began using a different methodology to weight the data, therefore current data estimates cannot be compared to previous years.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

Table 31		
Female Respondents Who Had Insufficient Cervical Cancer Screening in the Past Three Years, 2012		
		2012
Total		21%
Gender	Male	--
	Female	21%
Age	18-44	17%
	45-64	16%
	65+	46%
Race	White	21%
	American Indian	19%
Ethnicity	Hispanic	*
	Non-Hispanic	21%
Household Income	Less than \$25,000	28%
	\$25,000-\$49,999	20%
	\$50,000+	10%
Education	High School, G.E.D., or Less	29%
	Some Post-High School	20%
	College Graduate	12%
Employment Status	Employed for Wages	14%
	Self-employed	11%
	Unemployed	35%
	Homemaker	20%
	Student	35%
	Retired	45%
	Unable to Work	30%
Marital Status	Married/Unmarried Couple	15%
	Divorced/Separated	16%
	Widowed	45%
	Never Married	34%
Home Ownership Status	Own Home	18%
	Rent Home	24%
Children Status	Children in Household (Ages 18-44)	15%
	No Children in Household (Ages 18-44)	21%
Phone Status	Landline	24%
	Cell Phone	16%
Pregnancy Status	Pregnant (Ages 18-44)	*
	Not Pregnant (Ages 18-44)	17%

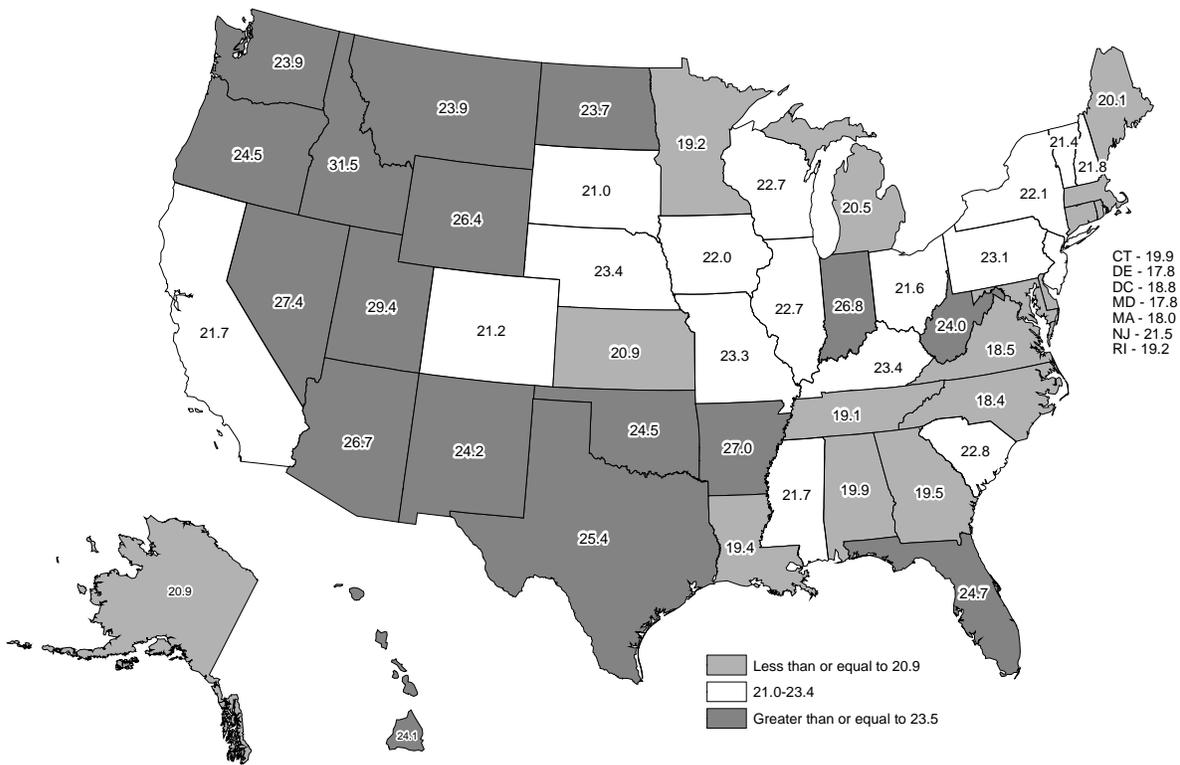
Note: *Results based on small sample sizes have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

National Statistics

The national median for female respondents who had insufficient cervical cancer screening was 22 percent, as shown in Figure 55 on the next page. South Dakota had 21.0 percent of female respondents who had insufficient cervical cancer screening. Delaware and Maryland tied with the lowest percent of female respondents who had insufficient cervical cancer screening with 17.8 percent, while Idaho had the highest with 31.5 percent.

Figure 55
Nationally, Female Respondents Who Had Insufficient Cervical Cancer Screening in the Past Three Years, 2012



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

Further Analysis

Following are data illustrating the percent of female respondents who have not had a cervical cancer screening in the past three years for various health behaviors and conditions. For example, 42 percent of respondents who do not have health insurance have not had a cervical cancer screening, while 12 percent of respondents who have health insurance have not had a cervical cancer screening.

Health Behavior or Condition	% No Pap Test
Underweight (BMI < 18.5)	*
Recommended (BMI = 18.5-24.9)	21%
Overweight (BMI = 25.0-29.9)	23%
Obese - Class I (BMI = 30.0-34.9)	16%
Obese - Classes II & III (BMI = 35.0+)	22%
Leisure Time Exercise	20%
No Leisure Time Exercise	27%
Current Smoker	22%
Former Smoker	16%
Never Smoked	22%
Smokeless Tobacco	*
No Smokeless Tobacco	21%
Diabetes	30%
No Diabetes	20%
High Blood Pressure	26%
No High Blood Pressure	19%

Table 32 (continued)
Insufficient Cervical Cancer Screening in the Past Three Years
for Selected Health Behaviors and Conditions, 2012

Health Behavior or Condition	% No Pap Test
Health Insurance (18-64)	12%
No Health Insurance (18-64)	42%
Employer Based Coverage (18-64)	10%
Private Health Plan (18-64)	16%
Medicare (18-64)	*
Medicaid or Medical Assistance (18-64)	18%
The Military, CHAMPUS, TriCare, or the VA (18-64)	*
The Indian Health Service (18-64)	19%
Breast Exam Within Past Two Years	7%
No Breast Exam Within Past Two Years	58%
Mammogram Within Past Two Years (40+)	11%
No Mammogram Within Past Two Years (40+)	57%
Blood Stool Test Within Past Two Years (50+)	15%
No Blood Stool Test Within Past Two Years (50+)	30%
Ever Had a Sigmoidoscopy or Colonoscopy (50+)	20%
Never Had a Sigmoidoscopy or Colonoscopy (50+)	42%
Flu Shot (65+)	47%
No Flu Shot (65+)	45%
Pneumonia Shot (65+)	45%
No Pneumonia Shot (65+)	52%
Previously Had Heart Attack	*
Never Had Heart Attack	21%
Have Angina or Coronary Heart Disease	*
Do Not Have Angina or Coronary Heart Disease	21%
Previously Had a Stroke	*
Never Had a Stroke	20%
Cancer	23%
No Cancer	21%
Skin Cancer	25%
No Skin Cancer	21%
Current Asthma	20%
Former Asthma	*
Never Had Asthma	21%
Arthritis	27%
No Arthritis	20%
COPD	35%
No COPD	20%
Depression	15%
No Depression	22%
Kidney Disease	*
No Kidney Disease	21%
Vision Impairment	27%
No Vision Impairment	20%
Been to the Dentist in the Past Year	17%
Haven't Been to the Dentist in the Past Year	32%
Always/Almost Always Wear Seat Belt	21%
Sometimes/Seldom/Never Wear Seat Belt	24%
Drank Alcohol in Past 30 Days	14%
Did Not Drink Alcohol in Past 30 Days	29%
Binge Drinker	12%
Not a Binge Drinker	23%

**Table 32 (continued)
Insufficient Cervical Cancer Screening in the Past Three Years
for Selected Health Behaviors and Conditions, 2012**

Health Behavior or Condition	% No Pap Test
Heavy Drinker	30%
Not a Heavy Drinker	20%
< 3 Sweetened Beverages per Day	20%
3+ Sweetened Beverages per Day	21%
Good/Very Good/Excellent Health Status	19%
Fair/Poor Health Status	34%
Physical Health Not Good for 0-29 Days of the Past 30	20%
Physical Health Not Good for 30 Days of the Past 30	38%
Mental Health Not Good for 0-19 Days of the Past 30	21%
Mental Health Not Good for 20-30 Days of the Past 30	24%
Usual Activities Unattainable for 0-9 Days of the Past 30	21%
Usual Activities Unattainable for 10-30 Days of the Past 30	20%
Physical, Mental, or Emotional Problems	29%
No Physical, Mental, or Emotional Problems	19%
Disability with Special Equipment Needed	51%
No Disability with Special Equipment Needed	19%
Heard of "Healthy South Dakota" Program	18%
Not Heard of "Healthy South Dakota" Program	22%
Injured in a Fall in Past 12 Months (45+)	31%
Not Injured in a Fall in Past 12 Months (45+)	25%
Been Tested for HIV (18-64)	11%
Never Been Tested for HIV (18-64)	25%

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

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012