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# Prostate Cancer

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## NO PROSTATE-SPECIFIC ANTIGEN (PSA) TEST

**Definition:** Males, aged 40 and older, who have not had a PSA test within the past two years.

### Prevalence of No PSA Test

- South Dakota 40.2%
- Nationwide median 46.7%

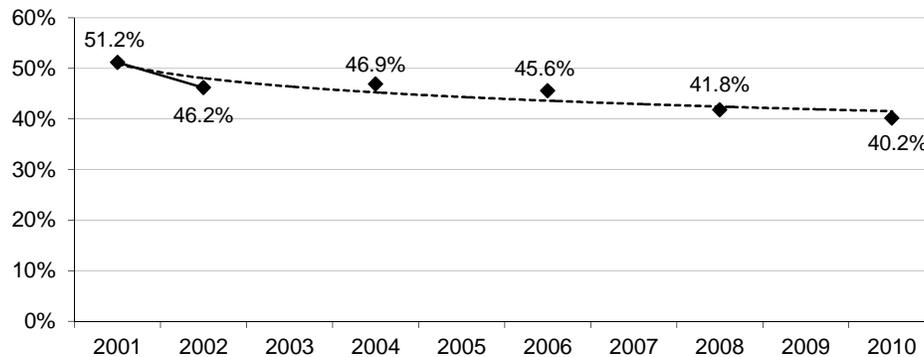
### Healthy People 2010 Objective

There was no stated Healthy People 2010 Objective for not having a PSA test within the past two years.

### Trend Analysis

Overall, the percent of male respondents who have not had a PSA test within the past two years has been decreasing. This trend includes an all time high of 51.2 percent in 2001 to an all-time low of 40.2 percent in 2010.

**Figure 32**  
**Percent of Male Respondents, Ages 40 and Older, Who Have Not Had a PSA Test Within the Past 2 Years, 2001-2002, 2004, 2006, 2008, and 2010**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2001-2002, 2004, 2006, 2008, and 2010

**Table 28**  
**Male Respondents, Ages 40 and Older, Who Have Not Had a PSA Test Within the Past 2**  
**Years, 2010**

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
<b>Total</b>	<b>1,990</b>	<b>40.2</b>	<b>(37.4-43.0)</b>	<b>1,990</b>	<b>40.2</b>	<b>(37.4-43.0)</b>	-	-	-
<b>Age</b>									
18-24	-	-	-	-	-	-	-	-	-
25-34	-	-	-	-	-	-	-	-	-
35-44	139	74.2	(64.1-82.2)	139	74.2	(64.1-82.2)	-	-	-
45-54	501	58.7	(53.2-64.1)	501	58.7	(53.2-64.1)	-	-	-
55-64	589	27.6	(23.4-32.1)	589	27.6	(23.4-32.1)	-	-	-
65-74	439	15.8	(12.2-20.1)	439	15.8	(12.2-20.1)	-	-	-
75+	322	18.8	(14.5-23.9)	322	18.8	(14.5-23.9)	-	-	-
<b>Race</b>									
White	1,749	39.3	(36.4-42.2)	1,749	39.3	(36.4-42.2)	-	-	-
American Indian	175	62.0	(50.8-72.1)	175	62.0	(50.8-72.1)	-	-	-
<b>Region</b>									
Southeast	410	37.6	(32.5-43.0)	410	37.6	(32.5-43.0)	-	-	-
Northeast	445	38.4	(33.4-43.7)	445	38.4	(33.4-43.7)	-	-	-
Central	393	39.5	(34.1-45.2)	393	39.5	(34.1-45.2)	-	-	-
West	409	43.9	(38.5-49.4)	409	43.9	(38.5-49.4)	-	-	-
American Indian Counties	333	62.4	(56.3-68.1)	333	62.4	(56.3-68.1)	-	-	-
<b>Household Income</b>									
Less than \$15,000	155	58.7	(47.0-69.4)	155	58.7	(47.0-69.4)	-	-	-
\$15,000-\$19,999	118	52.2	(40.0-64.1)	118	52.2	(40.0-64.1)	-	-	-
\$20,000-\$24,999	159	50.4	(39.9-61.0)	159	50.4	(39.9-61.0)	-	-	-
\$25,000-\$34,999	255	44.0	(36.5-51.8)	255	44.0	(36.5-51.8)	-	-	-
\$35,000-\$49,999	324	41.0	(34.4-47.9)	324	41.0	(34.4-47.9)	-	-	-
\$50,000-\$74,999	345	37.6	(31.5-44.1)	345	37.6	(31.5-44.1)	-	-	-
\$75,000+	442	35.5	(30.1-41.2)	442	35.5	(30.1-41.2)	-	-	-
<b>Education</b>									
Less than High School	189	43.4	(33.3-54.0)	189	43.4	(33.3-54.0)	-	-	-
High School or G.E.D.	665	42.8	(38.0-47.7)	665	42.8	(38.0-47.7)	-	-	-
Some Post-High School	518	41.4	(36.1-46.9)	518	41.4	(36.1-46.9)	-	-	-
College Graduate	616	36.5	(31.8-41.4)	616	36.5	(31.8-41.4)	-	-	-
<b>Marital Status</b>									
Married/Unmarried Couple	1,360	36.4	(33.3-39.7)	1,360	36.4	(33.3-39.7)	-	-	-
Divorced/Separated	280	60.8	(53.4-67.7)	280	60.8	(53.4-67.7)	-	-	-
Widowed	146	31.7	(23.3-41.4)	146	31.7	(23.3-41.4)	-	-	-
Never Married	203	61.6	(52.0-70.5)	203	61.6	(52.0-70.5)	-	-	-
<b>Children Status</b>									
Children in Household	*	*	*	*	*	*	-	-	-
No Children in Household	*	*	*	*	*	*	-	-	-

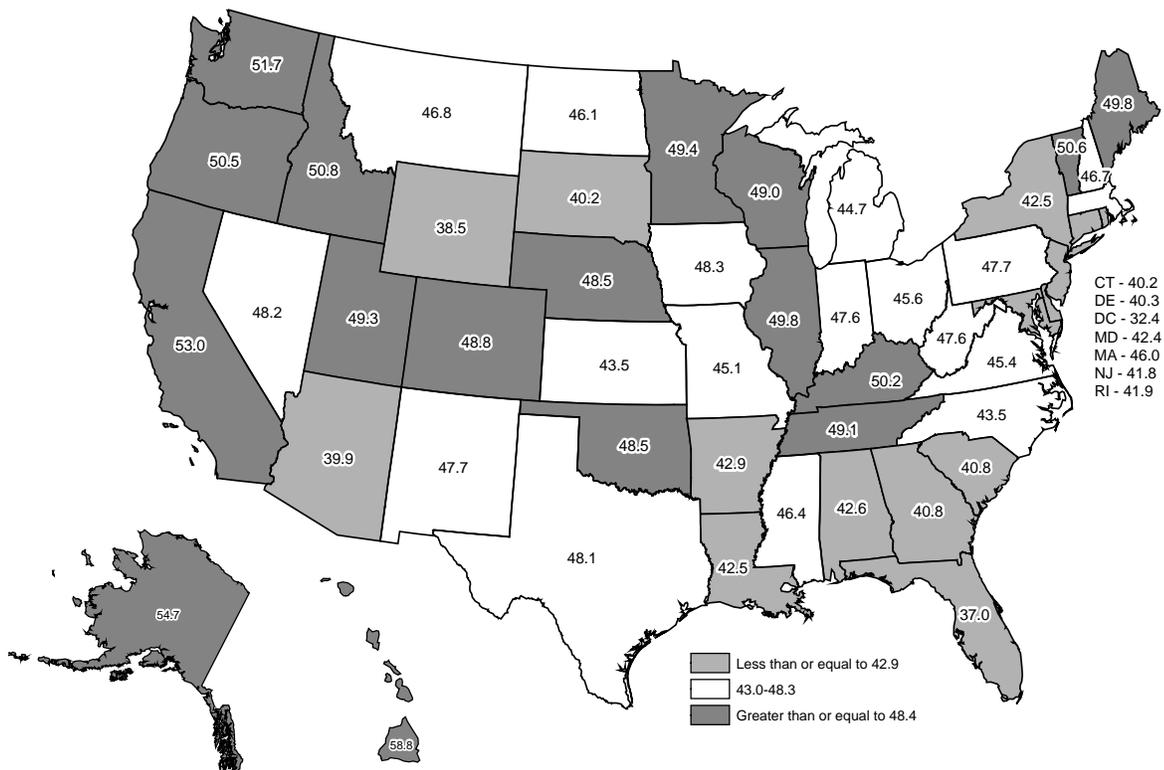
Note: \*Results based on sample sizes less than 100 have been suppressed.

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

## National Statistics

The national median for male respondents who have not had a PSA test within the past two years was 46.7 percent. South Dakota had 40.2 percent of male respondents who have not had a PSA test within the past two years. The District of Columbia had the lowest percent of male respondents who have not had a PSA test within the past two years at 32.4 percent, while Hawaii had the highest at 58.8 percent.

**Figure 33**  
**Nationally, Male Respondents, Ages 40 and Older, Who Have Not Had a PSA Test Within the Past 2 Years, 2010**



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

## **NO DIGITAL RECTAL EXAM**

**Definition:** Males, aged 40 and older, who have not had a digital rectal exam within the past two years.

### **Prevalence of No Digital Rectal Exam**

- South Dakota 45.7%
- There is no nationwide median for no digital rectal exam within the past two years

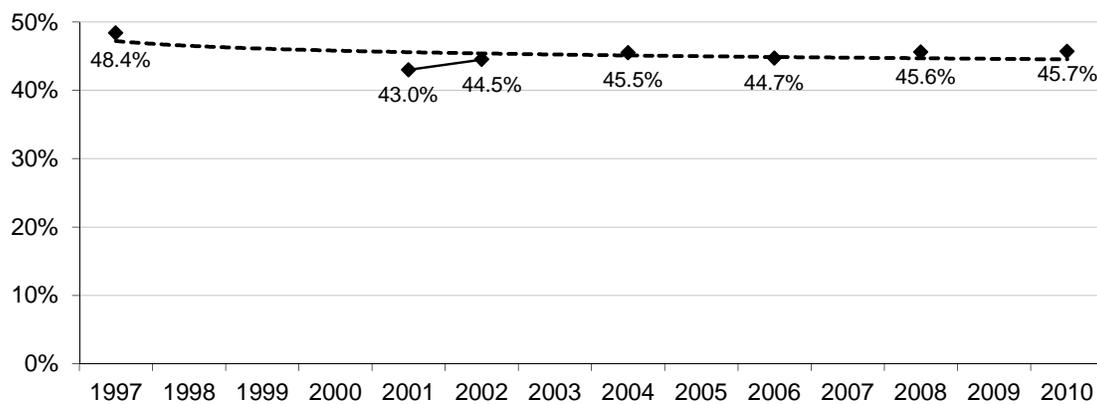
### **Healthy People 2010 Objective**

There was no stated Healthy People 2010 Objective for not having a digital rectal exam within the past two years.

### **Trend Analysis**

This question was first asked in 1997 when 48.4 percent of male respondents reported they had not had a digital rectal exam with the past two years. Overall, the percent of male respondents who have not had a digital rectal exam within the past two years remains steady.

**Figure 34**  
**Percent of Male Respondents, Ages 40 and Older, Who Have Not Had a Digital Rectal Exam Within the Past 2 Years, 1997, 2001-2002, 2004, 2006, 2008, and 2010**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1997, 2001-2002, 2004, 2006, 2008, and 2010

**Table 29**  
**Male Respondents, Ages 40 and Older, Who Have Not Had a Digital Rectal Exam Within the Past 2 Years, 2010**

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
<b>Total</b>	<b>2,064</b>	<b>45.7</b>	<b>(43.0-48.5)</b>	<b>2,064</b>	<b>45.7</b>	<b>(43.0-48.5)</b>	-	-	-
<b>Age</b>									
18-24	-	-	-	-	-	-	-	-	-
25-34	-	-	-	-	-	-	-	-	-
35-44	142	70.6	(60.5-79.1)	142	70.6	(60.5-79.1)	-	-	-
45-54	523	58.5	(53.1-63.8)	523	58.5	(53.1-63.8)	-	-	-
55-64	600	33.0	(28.7-37.7)	600	33.0	(28.7-37.7)	-	-	-
65-74	452	29.1	(24.4-34.3)	452	29.1	(24.4-34.3)	-	-	-
75+	341	37.5	(31.8-43.7)	341	37.5	(31.8-43.7)	-	-	-
<b>Race</b>									
White	1,812	44.8	(42.0-47.7)	1,812	44.8	(42.0-47.7)	-	-	-
American Indian	184	67.7	(56.6-77.1)	184	67.7	(56.6-77.1)	-	-	-
<b>Region</b>									
Southeast	427	40.0	(34.9-45.2)	427	40.0	(34.9-45.2)	-	-	-
Northeast	453	44.6	(39.6-49.8)	453	44.6	(39.6-49.8)	-	-	-
Central	410	47.8	(42.3-53.3)	410	47.8	(42.3-53.3)	-	-	-
West	426	52.9	(47.6-58.1)	426	52.9	(47.6-58.1)	-	-	-
American Indian Counties	348	68.3	(62.5-73.5)	348	68.3	(62.5-73.5)	-	-	-
<b>Household Income</b>									
Less than \$15,000	164	62.7	(51.5-72.7)	164	62.7	(51.5-72.7)	-	-	-
\$15,000-\$19,999	125	61.1	(49.3-71.7)	125	61.1	(49.3-71.7)	-	-	-
\$20,000-\$24,999	170	56.2	(46.1-65.8)	170	56.2	(46.1-65.8)	-	-	-
\$25,000-\$34,999	265	61.8	(54.6-68.5)	265	61.8	(54.6-68.5)	-	-	-
\$35,000-\$49,999	335	46.8	(40.1-53.6)	335	46.8	(40.1-53.6)	-	-	-
\$50,000-\$74,999	346	40.3	(34.1-46.8)	346	40.3	(34.1-46.8)	-	-	-
\$75,000+	449	34.7	(29.6-40.2)	449	34.7	(29.6-40.2)	-	-	-
<b>Education</b>									
Less than High School	204	56.4	(46.8-65.6)	204	56.4	(46.8-65.6)	-	-	-
High School or G.E.D.	690	52.3	(47.6-57.0)	690	52.3	(47.6-57.0)	-	-	-
Some Post-High School	536	45.3	(40.0-50.6)	536	45.3	(40.0-50.6)	-	-	-
College Graduate	632	38.1	(33.5-42.9)	632	38.1	(33.5-42.9)	-	-	-
<b>Marital Status</b>									
Married/Unmarried Couple	1,399	41.9	(38.7-45.1)	1,399	41.9	(38.7-45.1)	-	-	-
Divorced/Separated	294	61.0	(53.6-67.9)	294	61.0	(53.6-67.9)	-	-	-
Widowed	156	52.8	(43.2-62.2)	156	52.8	(43.2-62.2)	-	-	-
Never Married	213	65.9	(56.3-74.4)	213	65.9	(56.3-74.4)	-	-	-
<b>Children Status</b>									
Children in Household	100	68.0	(56.1-77.9)	100	68.0	(56.1-77.9)	-	-	-
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

## **PROSTATE CANCER**

***Definition: Males, aged 40 and older, who were told by a doctor or other health professional that they had prostate cancer.***

### **Prevalence of Prostate Cancer**

- South Dakota 5.2%
- There is no nationwide median for prostate cancer

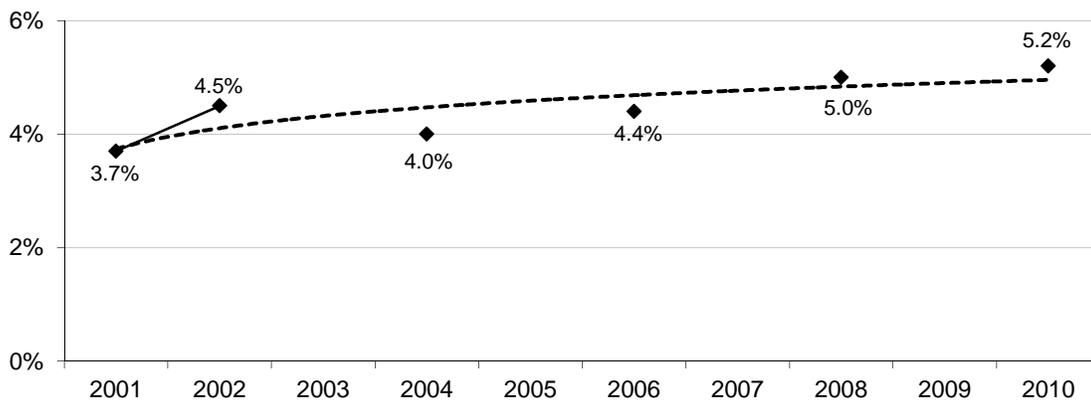
### **Healthy People 2010 Objective**

*There was no stated Healthy People 2010 Objective for prostate cancer.*

### **Trend Analysis**

Overall, the percent of male respondents who have had prostate cancer has been increasing since the question first began in 2001. In 2010, the percent of male respondents who had prostate cancer reached an all-time high of 5.2 percent.

**Figure 35**  
**Percent of Male Respondents, 40 and Older, Who Have Been Told They Had Prostate Cancer, 2001-2002, 2004, 2006, 2008, and 2010**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2001-2002, 2004, 2006, 2008, and 2010

**Table 30**  
**Male Respondents, Ages 40 and Older, Who Have Been Told They Had Prostate Cancer, 2010**

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
<b>Total</b>	<b>2,097</b>	<b>5.2</b>	<b>(4.2-6.4)</b>	<b>2,097</b>	<b>5.2</b>	<b>(4.2-6.4)</b>	-	-	-
<b>Age</b>									
18-24	-	-	-	-	-	-	-	-	-
25-34	-	-	-	-	-	-	-	-	-
35-44	142	0.2	(0.0-1.7)	142	0.2	(0.0-1.7)	-	-	-
45-54	530	0.7	(0.1-3.1)	530	0.7	(0.1-3.1)	-	-	-
55-64	608	3.2	(1.9-5.5)	608	3.2	(1.9-5.5)	-	-	-
65-74	460	11.6	(8.4-15.8)	460	11.6	(8.4-15.8)	-	-	-
75+	351	17.0	(12.8-22.3)	351	17.0	(12.8-22.3)	-	-	-
<b>Race</b>									
White	1,844	5.2	(4.2-6.4)	1,844	5.2	(4.2-6.4)	-	-	-
American Indian	185	3.3	(1.4-7.6)	185	3.3	(1.4-7.6)	-	-	-
<b>Region</b>									
Southeast	431	5.7	(3.9-8.3)	431	5.7	(3.9-8.3)	-	-	-
Northeast	463	4.7	(3.1-7.0)	463	4.7	(3.1-7.0)	-	-	-
Central	421	5.9	(4.1-8.3)	421	5.9	(4.1-8.3)	-	-	-
West	428	4.6	(3.1-6.8)	428	4.6	(3.1-6.8)	-	-	-
American Indian Counties	354	4.1	(2.2-7.6)	354	4.1	(2.2-7.6)	-	-	-
<b>Household Income</b>									
Less than \$15,000	168	1.9	(0.9-4.1)	168	1.9	(0.9-4.1)	-	-	-
\$15,000-\$19,999	128	7.6	(3.6-15.0)	128	7.6	(3.6-15.0)	-	-	-
\$20,000-\$24,999	173	6.5	(3.6-11.2)	173	6.5	(3.6-11.2)	-	-	-
\$25,000-\$34,999	269	5.8	(3.3-10.1)	269	5.8	(3.3-10.1)	-	-	-
\$35,000-\$49,999	338	3.9	(2.3-6.5)	338	3.9	(2.3-6.5)	-	-	-
\$50,000-\$74,999	351	6.4	(3.9-10.4)	351	6.4	(3.9-10.4)	-	-	-
\$75,000+	454	3.3	(2.0-5.5)	454	3.3	(2.0-5.5)	-	-	-
<b>Education</b>									
Less than High School	206	5.7	(3.2-9.8)	206	5.7	(3.2-9.8)	-	-	-
High School or G.E.D.	705	6.3	(4.6-8.5)	705	6.3	(4.6-8.5)	-	-	-
Some Post-High School	544	3.7	(2.2-6.0)	544	3.7	(2.2-6.0)	-	-	-
College Graduate	639	5.2	(3.5-7.7)	639	5.2	(3.5-7.7)	-	-	-
<b>Marital Status</b>									
Married/Unmarried Couple	1,420	5.0	(3.9-6.4)	1,420	5.0	(3.9-6.4)	-	-	-
Divorced/Separated	298	4.5	(2.6-7.8)	298	4.5	(2.6-7.8)	-	-	-
Widowed	160	18.7	(12.3-27.4)	160	18.7	(12.3-27.4)	-	-	-
Never Married	218	0.9	(0.3-2.5)	218	0.9	(0.3-2.5)	-	-	-
<b>Children Status</b>									
Children in Household	100	0.3	(0.0-2.2)	100	0.3	(0.0-2.2)	-	-	-
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