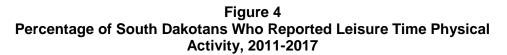
Physical Activity and Nutrition

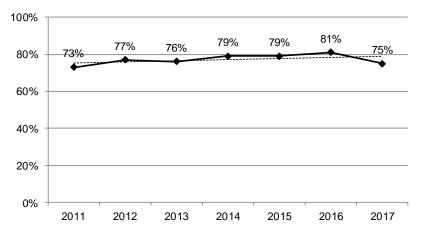
LEISURE TIME PHYSICAL ACTIVITY

Definition: South Dakotans who report leisure time physical activity or exercise during the past 30 days other than the respondent's regular job.

Prevalence of Leisure Time Physical Activity

- o South Dakota 75%
- Nationwide median 74%





Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2017

			tivity, 2013-2017 95% Confidence Interva		
		2013-2017	Low	High	
0	Male	77%	76.0%	78.4%	
Gender	Female	79%	77.7%	79.7%	
	18-29	86%	84.5%	88.1%	
	30-39	82%	79.4%	83.6%	
	40-49	78%	76.1%	80.4%	
Age	50-59	75%	73.6%	77.3%	
0	60-69	73%	71.0%	74.7%	
	70-79	73%	70.9%	75.4%	
	80+	65%	62.2%	68.4%	
_	White	78%	77.1%	78.7%	
Race	American Indian	77%	74.4%	80.2%	
	Hispanic	83%	76.2%	88.1%	
Ethnicity	Non-Hispanic	78%	77.1%	78.6%	
	Less than \$25,000	73%	71.5%	74.7%	
Household Income	\$25,000-\$74,999	79%	77.1%	79.9%	
	\$75,000+	85%	83.3%	85.9%	
	Less than High School, G.E.D.	65%	61.6%	68.7%	
	High School, G.E.D.	74%	72.0%	75.0%	
Education	Some Post-High School	80%	78.5%	81.1%	
	College Graduate	87%	85.5%	87.5%	
	Employed for Wages	81%	79.6%	81.8%	
	Self-employed	72%	69.9%	74.8%	
	Unemployed	76%	70.7%	80.0%	
Employment Status	Homemaker	82%	78.5%	85.5%	
	Student	91%	87.6%	93.6%	
	Retired	74%	72.5%	75.7%	
	Unable to Work	59%	54.9%	62.9%	
	Married/Unmarried Couple	79%	77.6%	79.6%	
	Divorced/Separated	73%	70.7%	75.3%	
Marital Status	Widowed	69%	66.2%	71.5%	
	Never Married	82%	80.1%	83.6%	
Home Ownership	Own Home	78%	77.2%	79.0%	
Status	Rent Home	77%	74.8%	78.4%	
oluluo	Children in Household (Ages 18-44)	83%	80.9%	84.1%	
Children Status	No Children in Household (Ages 18-44)	84%	82.3%	86.1%	
		75%			
Phone Status	Landline Cell Phone	80%	73.9% 78.6%	76.4%	
Pregnancy Status	Pregnant (Ages 18-44)	82%	72.1%	88.5%	
	Not Pregnant (Ages 18-44)	85%	83.4%	86.8%	
	Minnehaha	79%	76.6%	80.8%	
	Pennington	80%	77.4%	81.9%	
	Lincoln	82%	78.3%	84.6%	
County	Brown	77%	73.2%	80.2%	
-	Brookings	85%	81.4%	87.9%	
	Codington	77%	73.4%	80.5%	
	Meade	<u>79%</u> 83%	75.7% 80.7%	81.7% 85.3%	

Note:*Results based on small sample sizes have been suppressed.Source:The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2013-2017

Demographics	
Gender	There is no gender difference regarding leisure time physical activity.
Age	The prevalence of leisure time physical activity decreases as age increases. This includes significant decreases when the 30s and 80s are reached.
Race	There are no significant racial differences regarding leisure time physical activity.
Ethnicity	There is no significant Hispanic difference in the prevalence of leisure time physical activity.
Household Income	The prevalence of leisure time physical activity increases as household income increases. This includes significant increases when the \$35,000-\$74,999 and \$75,000+ household income levels are reached.
Education	The prevalence of leisure time physical activity increases as education increases. This includes significant increases as the high school graduate, some post-high school, and college graduate levels are reached.
Employment	Students demonstrate a very high prevalence of leisure time physical activity, while those who are unable to work show a very low prevalence.
Marital Status	Those who are have never been married exhibit a very high prevalence of leisure time physical activity, while those who are divorced or widowed show a very low prevalence.
Home Ownership	The prevalence of leisure time physical activity does not seem to change based on home ownership.
Children Status	The prevalence of leisure time physical activity among adults does not seem to change based on the presence of children in the household.
Phone Status	Those with a cell phone show a significantly higher prevalence of leisure time physical activity than those with a landline phone.
Pregnancy Status	The prevalence of leisure time physical activity does not seem to change based on pregnancy status.
County	Residents of Brookings and Lawrence counties exhibit a very high prevalence of leisure time physical activity, while residents of Minnehaha, Brown, and Codington counties show a very low prevalence.

PHYSICAL ACTIVITY RECOMMENDATIONS

Definition: South Dakotans who report participating in 150 minutes or more of aerobic physical activity per week.

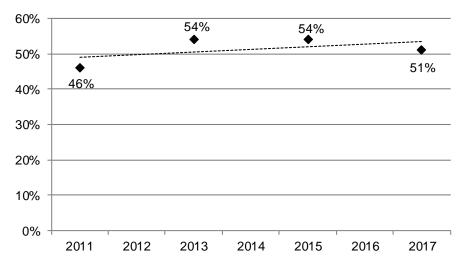
Prevalence of Meeting the Physical Activity Recommendations

- o South Dakota 51%
- Nationwide median 51%

South Dakota Department of Health Strategic Plan

Increase the percent of adults who are physically active on a regular basis to 59 percent by 2020.





Note: This question was not asked in 2012, 2014, or 2016. Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2017

Table 8 South Dakotans Who Met Physical Activity Recommendations, 2013-2017					
			95% Confidence Interval		
		2013-2017	Low	High	
Gender	Male	50%	47.8%	51.5%	
Gender	Female	56%	54.0%	57.4%	
	18-29	54%	50.4%	57.1%	
	30-39	52%	48.4%	55.3%	
	40-49	48%	44.4%	51.2%	
Age	50-59	52%	49.7%	55.0%	
	60-69	55%	51.9%	57.1%	
	70-79	58%	54.7%	61.0%	
	80+	51%	46.9%	55.6%	
Race	White	53%	51.3%	53.9%	
Race	American Indian	56%	51.2%	60.6%	
Ethericity (Hispanic	53%	42.7%	62.8%	
Ethnicity	Non-Hispanic	53%	51.4%	53.9%	
	Less than \$25,000	51%	48.4%	53.2%	
Household Income	\$25,000-\$74,999	52%	50.2%	54.7%	
	\$75,000+	59%	56.3%	61.0%	
	Less than High School, G.E.D.	42%	37.2%	46.9%	
	High School, G.E.D.	51%	48.5%	53.1%	
Education	Some Post-High School	54%	51.3%	55.8%	
	College Graduate	58%	56.0%	60.1%	
	Employed for Wages	52%	49.7%	53.4%	
	Self-employed	48%	44.3%	51.8%	
	Unemployed	57%	50.1%	63.4%	
Employment Status	Homemaker	62%	55.4%	67.3%	
	Student	56%	49.2%	63.2%	
	Retired	58%	56.2%	60.8%	
	Unable to Work	38%	33.2%	43.6%	
	Married/Unmarried Couple	55%	53.0%	56.1%	
Marital Ctatus	Divorced/Separated	50%	46.2%	53.2%	
Marital Status	Widowed	52%	48.8%	56.0%	
	Never Married	49%	45.8%	52.3%	
	Own Home	54%	52.6%	55.4%	
Home Ownership Status	Rent Home	48%	45.5%	51.3%	
	Children in Household (Ages 18-44)	55%	51.7%	57.3%	
Children Status	No Children in Household (Ages 18-44)	48%	44.7%	51.7%	
	Landline	53%	51.5%	55.1%	
Phone Status	Cell Phone	52%	50.5%	54.0%	
_	Pregnant (Ages 18-44)	51%	36.4%	65.6%	
Pregnancy Status	Not Pregnant (Ages 18-44)	57%	54.1%	60.4%	
	Minnehaha	52%	48.6%	55.2%	
	Pennington	57%	52.5%	60.7%	
	Lincoln	51%	44.9%	56.8%	
-	Brown	52%	45.9%	57.3%	
County	Brookings	55%	47.1%	62.0%	
	Codington	48%	41.5%	54.6%	
	Meade	52%	46.4%	58.5%	
	Lawrence	61%	54.8%	67.1%	

Gender Females exhibit a significantly higher prevalence of being physically active than males. Age The prevalence of being physically active does not seem to change as age changes. Race The prevalence of being physically active does not seem to change based on race. Ethnicity The prevalence of being physically active does not seem to change based on ethnicity. Household The prevalence of being physically active increases as household income increases. This includes a significant increase as the \$75,000+ income group Income is reached. Education The prevalence of being physically active increases as education levels increase. This includes significant increases as the high school and college graduate levels are reached. Employment Those who are unemployed, a homemaker, a student, or retired demonstrate a very high prevalence of being physically active, while those who are unable to work show a very low prevalence. Marital Those who are married exhibit a very high prevalence of being physically Status active, while those who have never been married show a very low prevalence. Home Those who own their home show a significantly higher prevalence of being Ownership physically active than those who rent their home. Children The prevalence of being physically active does not seem to change based on Status the presence of children in the household. Phone Status The prevalence of being physically active does not seem to change based on phone status. County Lawrence county demonstrates a very high prevalence of being physically active, while Codington county shows a very low prevalence.

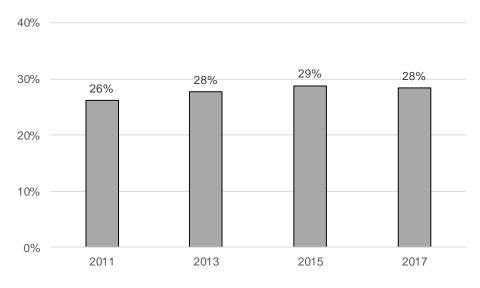
The following table shows the physical activity categories for South Dakotans in the past four years.

Table 9 Physical Activity Categories for South Dakotans, 2011-2017							
2011 2013 2015 2017							
Highly Active	25%	35%	33%	30%			
Active	21%	18%	21%	20%			
Insufficiently Active	26%	21%	23%	22%			
Inactive	28%	25%	23%	27%			

Source: South Dakota Behavioral Risk Factor Surveillance System, 2011-2017

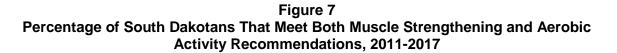
The following figure shows the percent of South Dakotans that meet muscle strengthening recommendations. For the past four years, less than one third of South Dakotans meet muscle strengthening recommendations.

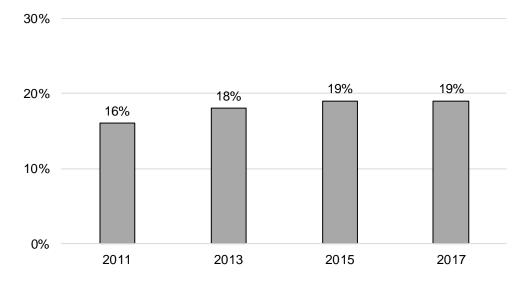
Figure 6 Percentage of South Dakotans That Meet Muscle Strengthening Recommendations, 2011-2017



Source: South Dakota Behavioral Risk Factor Surveillance System, 2011-2017

The following figure shows the percent of South Dakotans that met both muscle strengthening and aerobic activity recommendations. For the past four years, less than 20 percent of South Dakotans met both recommendations.







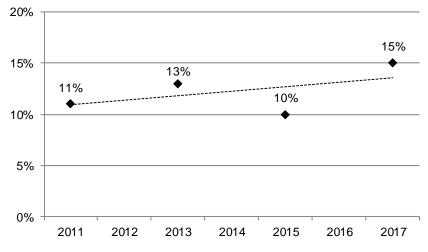
FIVE SERVINGS OF FRUITS AND VEGETABLES

Definition: South Dakotans who report they consume at least five servings of fruits and vegetables per day.

Prevalence of Consuming at Least Five Servings of Fruits and Vegetables Per Day

- o South Dakota 15%
- There is no nationwide median for consuming five fruits and vegetables per day





Note: This question was not asked in 2012, 2014, or 2016.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2017

	Vegetables Per Day, 201		95% Confidence Interva		
				1	
	1	2013-2017	Low	High	
Gender	Male	10%	8.8%	11.2%	
	Female	15%	14.0%	16.4%	
	18-29	11%	8.7%	12.9%	
	30-39	14%	11.8%	17.0%	
	40-49	13%	10.8%	15.8%	
Age	50-59	14%	12.0%	15.7%	
	60-69	12%	10.3%	13.4%	
	70-79	12%	10.2%	14.1%	
	80+	12%	9.5%	14.6%	
Race	White	12%	11.5%	13.2%	
Nace	American Indian	13%	10.2%	16.2%	
Ethnicity	Hispanic	14%	8.6%	22.9%	
Emmenty	Non-Hispanic	12%	11.7%	13.4%	
	Less than \$25,000	12%	10.1%	13.5%	
Household Income	\$25,000-\$74,999	12%	11.0%	14.0%	
	\$75,000+	15%	13.2%	16.7%	
	Less than High School, G.E.D.	11%	7.8%	15.9%	
	High School, G.E.D.	9%	8.1%	10.7%	
Education	Some Post-High School	13%	11.5%	14.6%	
	College Graduate	17%	15.0%	18.2%	
	Employed for Wages	13%	11.6%	14.2%	
	Self-employed	12%	10.2%	14.8%	
	Unemployed	12%	8.5%	17.0%	
Employment Status	Homemaker	14%	10.8%	17.9%	
	Student	13%	8.9%	18.4%	
	Retired	12%	10.8%	13.6%	
	Unable to Work	11%	7.8%	14.8%	
	Married/Unmarried Couple	13%	12.0%	14.1%	
	Divorced/Separated	12%	10.0%	14.7%	
Marital Status	Widowed	13%	11.1%	15.5%	
	Never Married	11%	9.2%	13.8%	
Home Ownership	Own Home	13%	12.4%	14.4%	
Status	Rent Home	11%	9.1%	13.0%	
	Children in Household (Ages 18-44)	13%	11.6%	15.5%	
Children Status	No Children in Household (Ages 18-44)	11%	8.9%	14.0%	
	Landline	12%	11.3%	13.8%	
Phone Status	Cell Phone	13%	11.5%	13.8%	
	Pregnant (Ages 18-44)	12%	7.2%	19.7%	
Pregnancy Status	Not Pregnant (Ages 18-44)	12%	12.7%	17.3%	
	Minnehaha	11%	9.5%	13.9%	
	Pennington	14%	11.6%	17.2%	
	Lincoln	10%	6.7%	14.0%	
County	Brown	12%	8.9%	16.4%	
-	Brookings	10%	6.8%	14.7%	
	Codington	14%	10.4%	19.4%	
	Meade	<u> </u>	6.6% 7.9%	12.9%	

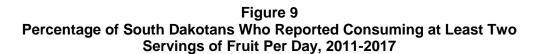
Gender	Females exhibit a significantly higher prevalence of eating five or more fruits and vegetables a day than males.
Age	There seems to be no difference in the prevalence of eating five or more fruits and vegetables a day as age changes.
Race	There seems to be no racial difference in the prevalence of eating five or more fruits and vegetables a day.
Ethnicity	The prevalence of eating five or more fruits and vegetables a day does not seem to change based on ethnicity.
Household Income	The prevalence of eating five or more fruits and vegetables a day does not seem to change as household income changes.
Education	There seems to be no difference in the prevalence of eating five or more fruits and vegetables a day regarding education level.
Employment	There seems to be no difference in the prevalence of eating five or more fruits and vegetables a day regarding employment status.
Marital Status	There seems to be no difference in the prevalence of eating five or more fruits and vegetables a day regarding marital status.
Home Ownership	There seems to be no difference in the prevalence of eating five or more fruits and vegetables a day regarding home ownership.
Children Status	There seems to be no difference in the prevalence of eating five or more fruits and vegetables a day regarding the presence of children in the household.
Phone Status	There seems to be no difference in the prevalence of eating five or more fruits and vegetables a day regarding phone status.
Pregnancy Status	There seems to be no difference in the prevalence of eating five or more fruits and vegetables a day regarding pregnancy status.
County	There seems to be no difference in the prevalence of eating five or more fruits and vegetables a day regarding the eight available counties.

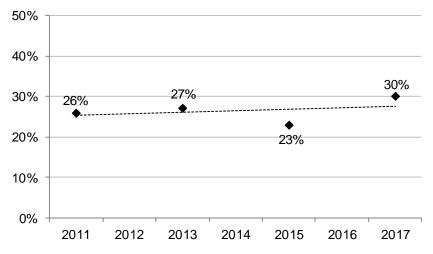
TWO SERVINGS OF FRUITS PER DAY

Definition: South Dakotans who report they consume at least two servings of fruits per day.

Prevalence of Consuming at Least Two Servings of Fruits Per Day

- o South Dakota 30%
- o There is no nationwide median for two servings of fruits per day





Note: This question was not asked in 2012, 2014, or 2016. Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2017

		2013-2017	95% Confidence Interval		
			Low	High	
Gender	Male	21%	19.8%	22.8%	
Gender	Female	31%	29.9%	32.9%	
	18-29	23%	20.3%	26.0%	
	30-39	25%	22.5%	28.5%	
	40-49	24%	21.4%	27.3%	
Age	50-59	24%	22.4%	26.7%	
	60-69	27%	24.9%	29.3%	
	70-79	33%	30.0%	35.7%	
	80+	39%	35.0%	43.1%	
Race	White	26%	25.3%	27.6%	
Race	American Indian	27%	23.5%	31.3%	
Ethnicity	Hispanic	26%	17.9%	36.6%	
Ethnicity	Non-Hispanic	26%	25.3%	27.4%	
	Less than \$25,000	26%	24.1%	28.4%	
Household Income	\$25,000-\$74,999	26%	24.3%	28.1%	
	\$75,000+	27%	24.8%	28.9%	
Education	Less than High School, G.E.D.	23%	19.2%	28.0%	
	High School, G.E.D.	22%	20.5%	24.0%	
	Some Post-High School	27%	25.1%	29.0%	
	College Graduate	32%	30.1%	33.9%	
	Employed for Wages	25%	23.4%	26.5%	
	Self-employed	23%	20.3%	26.2%	
	Unemployed	23%	18.4%	29.2%	
Employment Status	Homemaker	33%	27.6%	37.9%	
	Student	21%	16.4%	26.9%	
	Retired	33%	31.2%	35.4%	
	Unable to Work	26%	21.3%	30.6%	
	Married/Unmarried Couple	27%	25.4%	28.0%	
Marital Status	Divorced/Separated	24%	21.0%	26.8%	
Walital Status	Widowed	36%	33.0%	39.6%	
	Never Married	24%	21.1%	26.7%	
Home Ownership	Own Home	28%	26.3%	28.7%	
Status	Rent Home	23%	21.1%	26.1%	
Children Status	Children in Household (Ages 18-44)	25%	23.0%	27.7%	
Children Status	No Children in Household (Ages 18-44)	23%	19.9%	26.0%	
Phone Status	Landline	29%	27.0%	30.1%	
Phone Status	Cell Phone	25%	23.6%	26.5%	
Dreameney Status	Pregnant (Ages 18-44)	28%	18.7%	39.9%	
Pregnancy Status	Not Pregnant (Ages 18-44)	28%	25.3%	30.8%	
	Minnehaha	25%	22.7%	28.3%	
	Pennington	27%	23.6%	30.5%	
	Lincoln	27%	21.9%	32.3%	
County	Brown	27%	21.9%	32.0%	
County	Brookings	26%	20.1%	32.4%	
	Codington	27%	21.8%	33.8%	
	Meade	20%	16.0%	25.3%	
	Lawrence	23%	17.8%	28.5%	

- **Gender** Females exhibit a significantly higher prevalence of eating at least two servings of fruit per day than males.
- Age The prevalence of eating at least two servings of fruit per day generally increases as age increases. This includes a significant increase as the 70s are reached.
- **Race** The prevalence of eating at least two servings of fruit per day does not seem to differ based on race.
- **Ethnicity** The prevalence of eating at least two servings of fruit per day does not seem to differ based on ethnicity.
- **Household** The prevalence of eating at least two servings of fruit per day does not seem to differ based on household income.
- **Education** The prevalence of eating at least two servings of fruit per day does not seem to differ based on education.
- **Employment** Those who are a homemaker or retired demonstrate a significantly higher prevalence of eating at least two servings of fruit per day than all other types of employment.
- MaritalThose who are widowed exhibit a significantly higher prevalence of eating at
least two servings of fruit per day than all other types of marital status.

HomeThose who own their home show a significantly higher prevalence of eating atOwnershipleast two servings of fruit per day than those who rent their home.

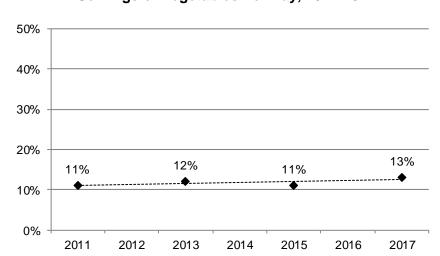
- ChildrenThe prevalence of eating at least two servings of fruit per day does not seemStatusto differ based on the presence of children in the household.
- **Phone Status** Those who use a landline phone demonstrate a significantly higher prevalence of eating at least two servings of fruit per day than those who use a cell phone.
- PregnancyThe prevalence of eating at least two servings of fruit per day does not seemStatusto differ based on pregnancy status.
- **County** There seems to be no county difference regarding eating at least two servings of fruit per day.

THREE SERVINGS OF VEGETABLES PER DAY

Definition: South Dakotans who report they consume at least three servings of vegetables per day.

Prevalence of Consuming at Least Three Servings of Vegetables Per Day

- o South Dakota 13%
- o There is no nationwide median for consuming three servings of vegetables per day





Note: This question was not asked in 2012, 2014 or 2016. Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2017

			95% Confidence Interval		
		2013-2017	Low	High	
Gender	Male	11%	9.3%	11.9%	
Jenuer	Female	14%	12.5%	14.8%	
	18-29	10%	8.0%	12.0%	
	30-39	15%	12.7%	18.3%	
	40-49	13%	10.8%	15.4%	
Age	50-59	13%	11.1%	14.7%	
	60-69	12%	10.2%	13.4%	
	70-79	11%	8.5%	13.1%	
	80+	9%	6.9%	11.4%	
Race	White	12%	10.9%	12.6%	
	American Indian	12%	9.0%	15.6%	
Theicity	Hispanic	11%	6.4%	19.0%	
Ethnicity	Non-Hispanic	12%	11.2%	12.9%	
	Less than \$25,000	11%	9.2%	12.7%	
Household Income	\$25,000-\$74,999	12%	10.4%	13.3%	
	\$75,000+	15%	13.5%	17.1%	
Education	Less than High School, G.E.D.	11%	7.6%	16.0%	
	High School, G.E.D.	10%	8.4%	11.0%	
Education	Some Post-High School	12%	10.8%	13.8%	
	College Graduate	15%	13.8%	16.8%	
	Employed for Wages	12%	11.0%	13.5%	
	Self-employed	13%	10.3%	15.3%	
	Unemployed	11%	7.8%	16.0%	
Employment Status	Homemaker	16%	12.2%	21.1%	
	Student	12%	7.9%	16.8%	
	Retired	11%	9.2%	12.3%	
	Unable to Work	12%	8.0%	16.8%	
	Married/Unmarried Couple	13%	11.8%	13.9%	
Marital Status	Divorced/Separated	11%	9.5%	13.8%	
viantai Status	Widowed	11%	8.9%	13.5%	
	Never Married	11%	8.6%	13.1%	
Home Ownership	Own Home	13%	11.7%	13.6%	
Status	Rent Home	11%	9.2%	13.3%	
Children Status	Children in Household (Ages 18-44)	13%	10.8%	14.5%	
Shildren Status	No Children in Household (Ages 18-44)	12%	9.8%	15.0%	
Dhama Ctatua	Landline	11%	10.1%	12.5%	
Phone Status	Cell Phone	13%	11.4%	13.8%	
Dramance Otates	Pregnant (Ages 18-44)	9%	4.0%	17.7%	
Pregnancy Status	Not Pregnant (Ages 18-44)	14%	11.9%	16.3%	
	Minnehaha	13%	10.4%	15.1%	
	Pennington	13%	10.8%	16.5%	
	Lincoln	9%	6.4%	12.9%	
Secondary .	Brown	12%	8.9%	16.2%	
County	Brookings	8%	5.4%	12.1%	
	Codington	12%	8.9%	17.0%	
	Meade	11%	8.2%	15.9%	
	Lawrence	11%	7.7%	14.8%	

- **Gender** Females exhibit a significantly higher prevalence of eating at least three servings of vegetables per day than males.
- Age The prevalence of eating at least three servings of vegetables per day peaks with those in their 30s. The prevalence then decreases as age increases.
- **Race** The prevalence of eating at least three servings of vegetables per day does not seem to differ based on race.
- **Ethnicity** The prevalence of eating at least three servings of vegetables per day does not seem to differ based on ethnicity.
- **Household** The prevalence of eating at least three servings of vegetables increases as household income increases. This includes a significant increase as the \$75,000+ income group is reached.
- **Education** The prevalence of eating at least three servings of vegetables per day does not seem to differ based on education.
- **Employment** The prevalence of eating at least three servings of vegetables per day does not seem to differ based on employment.
- MaritalThe prevalence of eating at least three servings of vegetables per day doesStatusnot seem to differ based on marital status.
- HomeThe prevalence of eating at least three servings of vegetables per day doesOwnershipnot seem to differ based on home ownership.
- ChildrenThe prevalence of eating at least three servings of vegetables per day doesStatusnot seem to differ based on the presence of children in the household.
- **Phone Status** The prevalence of eating at least three servings of vegetables per day does not seem to differ based on phone status.
- PregnancyThe prevalence of eating at least three servings of vegetables per day doesStatusnot seem to differ based on pregnancy status.
- **County** There seems to be no difference regarding eating at least three servings of vegetables per day among the eight counties with sufficient sample size.