2020 Annual Meeting

Session 2: State of Cardiovascular Health in South Dakota: Data Driven Missions

September 9, 2020
9:00 - 10:30am CT
Welcome!

Welcome to Session 2: State of Cardiovascular Health in South Dakota: Data Driven Missions of the 2020 Cardiovascular Collaborative Annual Meeting!

Chrissy Meyer, MBA
Communications Director
American Heart Association
Today's Agenda

• State of Cardiovascular Health in SD
• Short Break
• Breakout Groups: Data Driven Missions
• Annual Meeting Next Steps
How are you doing today?

Relaxed and refreshed after the holiday.

Already thinking about dinner...

Juggling way too many things!

I'm doing great and ready to get started!
State of Cardiovascular Health in South Dakota
CARDIOVASCULAR DISEASE PREVALENCE
Cardiovascular Prevalence | South Dakota BRFSS

Objective 4.1
- Decrease Heart Attacks

Objective 4.2
- Decrease Strokes
Prevalence of Heart Attack | BRFFS 2018
Prevalence of Stroke | BRFFS 2018
Prevalence by Selected Factors | 2014-2018

- **American Indian, Non-Hispanic**
  - Heart Attack: 6
  - Stroke: 3

- **White, Non-Hispanic**
  - Heart Attack: 5
  - Stroke: 3

- **Hispanic**
  - Heart Attack: 5
  - Stroke: 3

- **Income Level**
  - <$35,000
    - Heart Attack: 7
    - Stroke: 4
  - $35,000-$74,999
    - Heart Attack: 5
    - Stroke: 2.5
  - $75,000+
    - Heart Attack: 2
    - Stroke: 1
Cardiovascular Related Deaths
Age-adjusted Heart Disease Deaths by Gender SD | 2000-2018

<table>
<thead>
<tr>
<th>Year</th>
<th>Female</th>
<th>Male</th>
<th>Overall</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
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<td>2007</td>
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<tr>
<td>2009</td>
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<td>121.9</td>
<td>191.3</td>
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</tr>
<tr>
<td>2018</td>
<td>120.6</td>
<td>206.2</td>
<td>205.3</td>
</tr>
</tbody>
</table>
Age-adjusted Heart Disease Deaths by Race | 2004-2008

Objective 2.1: Decrease age-adjusted death rate due to heart disease among American Indians to 202.0 by 2021

<table>
<thead>
<tr>
<th>Year</th>
<th>White</th>
<th>American Indian</th>
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<tbody>
<tr>
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<td>2005</td>
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<tr>
<td>2012</td>
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<td>2013</td>
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<td>2015</td>
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<td>2016</td>
<td>150.4</td>
<td>210.6</td>
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<tr>
<td>2017</td>
<td>145.1</td>
<td>241.4</td>
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<tr>
<td>2018</td>
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<td>290.9</td>
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</table>
Heart Disease Deaths Among Hispanic Population | 2004-2018

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Deaths</th>
</tr>
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<tbody>
<tr>
<td>2006-2010</td>
<td>23</td>
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<td>2007-2011</td>
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<tr>
<td>2013-2017</td>
<td>45</td>
</tr>
<tr>
<td>2014-2018</td>
<td>46</td>
</tr>
</tbody>
</table>

Age-adjusted per 100,000
Age-adjusted Stroke Deaths by Gender | 2000-2018

Per 100,000


Female 56.9 50.6 53.9 47.3 45 49.8 39.6 37.9 34.7 38.6 42.2 35.4 37.4 37.2 34.3 38 33.6 30.9
Male 67.1 56.5 54.6 52.4 50.4 53.4 46.9 39.8 41.3 38.7 37.4 40.1 39.8 37.9 39.6 30.4 31.9 38.3 36.9
Overall 61.7 52.8 54.4 49.7 47.3 51.6 42.3 38.9 37.6 38.8 39.2 42 37.6 37.5 38.8 33 35.8 36.3 33.3
Objective 2.2: Decrease the Age-adjusted death rates due to stroke among American Indians to 46 per 100,000 by 2021.

Age-adjusted Stroke Deaths by Race | 2004-2018

<table>
<thead>
<tr>
<th>Year</th>
<th>White</th>
<th>American Indian</th>
</tr>
</thead>
<tbody>
<tr>
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<td>47</td>
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<tr>
<td>2005</td>
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<td>2018</td>
<td>33.3</td>
<td>38.6</td>
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</table>
Stroke Deaths Among Hispanic Population | 2004-2018

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-2010</td>
<td>7</td>
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<td>2013-2017</td>
<td>13</td>
</tr>
<tr>
<td>2014-2018</td>
<td>17</td>
</tr>
</tbody>
</table>
What do you think:

Which county has the highest/lowest rate of stroke deaths?

❌ Highest Rate
⭐ Lowest Rate
Age-adjusted Death Rates by County | 2014-2018

Source: South Dakota Department of Health, Office of Vital Statistics, August, 2020
Additional Objectives of the Cardiovascular Collaborative
Objective 3.1: Decrease Emergency Response Time

Response Times

- 2016: 4.3
- 2017: 4.2
- 2018: 3.3
- 2019: 2.9
Objective 3.2: Increase Number of EMTS

<table>
<thead>
<tr>
<th>Year</th>
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<td>2018</td>
<td>3301</td>
</tr>
<tr>
<td>2019</td>
<td>3328</td>
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</table>
Risk Factors
Physical Inactivity Among Adults in SD | 2014-2018

Race/Ethnicity

- American Indian, Non-Hispanic: 24
- White, Non-Hispanic: 22
- Hispanic: 19

Income

- <$25,000: 28
- $25,000-$74,999: 21
- $75,000+: 15
Physical Inactivity, Adults Aged 20+ Years
Age-adjusted Percentage SD | 2017

Source: www.cdc.gov/diabetes/data
Disclaimer: This is a user-generated report. The findings and conclusions are those of the user and do not necessarily represent the views of the CDC
National Center for Chronic Disease Prevention and Health Promotion
Division of Diabetes Translation
Obesity, Total, Adults Aged 20+ years, Age-adjusted Percentage SD | 2017

Source: [www.cdc.gov/diabetes/data](http://www.cdc.gov/diabetes/data)

Disclaimer: This is a user-generated report. The findings and conclusions are those of the user and do not necessarily represent the views of the CDC National Center for Chronic Disease Prevention and Health Promotion

Division of Diabetes Translation
Adult Smoking in the US and SD


- South Dakota: 23% in 2011, 16.1% in 2018
- US: 22% in 2011, 19% in 2018

The graph shows a decrease in smoking rates in both South Dakota and the US over the years.
Thank You!
Data Driven Missions
# Breakout Groups

## Goal Area 2
- Kiley
- Larissa
- Betty
- Stacie
- Kayla
- Kathy
- Kathi
- Lori
- Taylor
- Carley
- Shannon
- Joshua
- Ben
- JoLind
- Mandi
- Lori
- Ashley
- Peggy

## Goal Area 3
- Mark
- Rachel
- Madonna
- Amanda
- Emily
- Lynn
- Maynard
- Theresa
- Tom
- Jacki
- Amanda
- Lindsey
- Scott
- Trisha
- Misty

## Goal Area 4
- Chrissy
- Mary
- Mark
- Rachel
- Madonna
- Amanda
- Emily
- Lynn
- Maynard
- Theresa
- Tom
- Jacki
- Amanda
- Lindsey
- Scott
- Trisha
- Misty

## Goal Area 2
- Hump
- Skjonsberg
- Crandall
- Fredenburg
- Magee
- Jedlicka
- Mueller
- Oster
- Sandberg
- Swanson
- Udy
- Ohrtman
- Tiensvold
- Houselog
- Steenga
- Dumke
- Miller
- Goos

## Goal Area 3
- East
- Sehr
- Dolphus
- Ferguson
- Roth
- Thomas
- Konechne
- Newcomb
- Stys
- Holmes
- Jans
- Karlson
- Christensen
- Flemmer
- Rudebusch

## Goal Area 4
- Meyer
- Michaels
- Le
- Mazourek
- Piroutek
- Vander Zee
- Williams
- Kopfmann
- Kleinschmidt
- Needham
- Weatherstone
- Atkins
- Blunt
- Johnson
- Hieb
Take a Break!
What's Next?

1. Session 1
   Sep. 2nd

2. Session 2
   Sep. 9th

3. Prioritization Survey
   Sep. 10th-16th

4. Goal Area Group Meeting
   Sep. 16th - Oct. 2nd
THANK YOU