2020 CHNA Data Packet: Diabetes

In this section are all the data points and key findings related to Diabetes from the 2020 CHNA (pages 127 – 132). Please visit www.hbdyc.org to access the full report.

Recommended Citation:

Key Takeaways – Diabetes in Yellowstone County
• Between 2015 and 2017, Yellowstone County residents died from diabetes at a rate of 19.9 deaths per 100,000 residents, an improvement since 2017, a favorable lower rate than Montana and the US.
• 12.5% of adults were diagnosed with diabetes, most commonly among older adults.

Diabetes: Age-Adjusted Mortality
(2015-2017 Annual Average Deaths per 100,000 Population)
Healthy People 2020 = 20.5 or Lower (Adjusted)

Yellowstone County: 19.9
MT: 23.2
US: 21.3

Sources:
- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted October 2019
- Rates are per 100,000 population, age-adjusted to the 2000 US STANDARD population.
- The Healthy People 2020 target for Diabetes is adjusted to account for only diabetes mellitus coded deaths.
Diabetes: Age-Adjusted Mortality Trends
(Annual Average Deaths per 100,000 Population)
Healthy People 2020 = 20.5 or Lower (Adjusted)

<table>
<thead>
<tr>
<th>Year</th>
<th>Yellowstone Co</th>
<th>MT</th>
<th>US</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-2010</td>
<td>17.5</td>
<td>20.3</td>
<td>22.6</td>
</tr>
<tr>
<td>2009-2011</td>
<td>16.6</td>
<td>19.8</td>
<td>22.3</td>
</tr>
<tr>
<td>2010-2012</td>
<td>16.1</td>
<td>19.7</td>
<td>21.1</td>
</tr>
<tr>
<td>2011-2013</td>
<td>17.6</td>
<td>19.9</td>
<td>21.2</td>
</tr>
<tr>
<td>2012-2014</td>
<td>19.9</td>
<td>21.3</td>
<td>21.1</td>
</tr>
<tr>
<td>2013-2015</td>
<td>22.9</td>
<td>22.4</td>
<td>21.1</td>
</tr>
<tr>
<td>2014-2016</td>
<td>22.3</td>
<td>23.2</td>
<td>21.3</td>
</tr>
<tr>
<td>2015-2017</td>
<td>19.9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sources:
- CDC WONDER Online Query System, Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted October 2019.
- Deaths are coded using the Tenth Revision of the International Statistical Classification of Diseases and Related Health Problems (ICD-10).
- Rates are per 100,000 population, age-adjusted to the 2000 US Standard Population.
- The Healthy People 2020 target for Diabetes is adjusted to account for only diabetes mellitus coded deaths.

6.4%
Diagnosed with “prediabetes”, or “borderline” diabetes

Prevalence of Diabetes

Another 6.4% of adults have been diagnosed with “prediabetes” or “borderline” diabetes.

Sources:
- 2020 PRC Community Health Survey, PRC, Inc. [Item 140]
- Behavioral Risk Factor Surveillance System Survey Data, Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC) 2019 Montana data.
- 2017 PRC National Health Survey, PRC, Inc.
Notes:
- Asked of all respondents.
Community Feedback:
Select Key Informant Survey Responses

We are seeing a higher prevalence of reported pre-diabetes in adults. Higher prevalence in American Indian population. Less healthy lifestyles are leading to increased prevalence. Difficult to manage the disease. – Public Health Representative

Access to affordable and convenient healthy food options, time and support for exercise and activity, community support for healthy and active lifestyles. – Government Representative
Perceptions of Diabetes as a Problem in the Community (Key Informants, 2020)

<table>
<thead>
<tr>
<th>Major Problem</th>
<th>Moderate Problem</th>
<th>Minor Problem</th>
<th>No Problem At All</th>
</tr>
</thead>
<tbody>
<tr>
<td>37.0%</td>
<td>39.9%</td>
<td>14.5%</td>
<td>8.7%</td>
</tr>
</tbody>
</table>

Community Feedback: Top concerns of Key Informants
- Disease Management
- Access to Medications & Supplies
- Contributing Factors
- Prevalence/Incidence
- Awareness/Education
- Obesity
- Access to Healthy Food
- Access to Providers
- Diagnosis & Treatment
- Poverty
- Prevention
- Access to Care/Services
- Affordable Care/Services
- Lifestyle

Diabetes

<table>
<thead>
<tr>
<th></th>
<th>Yellowstone County</th>
<th>Yellowstone vs. Benchmarks</th>
<th>Yellowstone County Trends</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>vs. MT</td>
<td>vs. US</td>
<td>vs. HP2020</td>
</tr>
<tr>
<td>Diabetes Mellitus</td>
<td>19.9</td>
<td>23.2</td>
<td>21.3</td>
</tr>
<tr>
<td>(Age-Adjusted Death Rate)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Diabetes/High Blood Sugar</td>
<td>12.5</td>
<td>9.4</td>
<td>13.3</td>
</tr>
<tr>
<td>% Borderline/Pre-Diabetes</td>
<td>6.4</td>
<td>9.5</td>
<td></td>
</tr>
</tbody>
</table>

For survey indicators, this represents baseline findings (earliest year available) vs. 2020 (current findings). For secondary data indicators (those marked with a *), data years can vary but typically represent a span of 7 to 10 years.

Sources: PRC Online Key Informant Survey, PRC, Inc.
Notes: Asked of all respondents.