Suicide in Wyoming

Suicide is a serious public health issue that impacts people of all ages and backgrounds. It is estimated that every 13 minutes someone in the United States takes their life and many more attempt suicide or have suicidal ideations. In Wyoming, on average one person dies by suicide every two days. Suicide is the sixth leading cause of death for all ages, and the second leading cause of death for ages 15 to 44 years (2016).¹²

Suicide Rates are Increasing

Suicide rates in Wyoming are consistently higher than the US rates (Figure 1). In 2016, there were 142 suicides (24 per 100,000 persons) compared with the US suicide rate of 14 per 100,000. The Wyoming suicide rate has significantly increased from 17 per 100,000 in 2004 to 24 per 100,000 in 2016 (p<0.05).¹²

Cost of Suicide

When a person dies by suicide, it can have lasting impacts on individuals, families, and communities. A suicide survivor is a family member or friend of a person who died by suicide. Surviving the loss of a loved one to suicide is a risk factor for suicide. Studies estimate that for every one suicide, there is anywhere from 6 to 32 people left as suicide survivors, which most studies agree is an underestimate. Suicide survivors are deeply impacted by each suicide and experience a range of complex grief reactions including guilt, anger, abandonment, denial, helplessness, and shock.⁴⁻⁶

In addition to impacts on individuals and families, suicide has economic impacts. In 2015 in Wyoming, there was an estimated $202,862,000 in lifetime work loss and medical costs associated with suicides, or an average of $1,308,787 per suicide.¹²

Figure 1. Suicide Rates per 100,000, Wyoming and US, 2004-2016

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WYOMING FAST FACTS

64% of suicides were completed with firearms.²

80% of suicides were completed by men.²
Age Differences
Suicide rates for Wyoming residents 15 years and older are higher than the US suicide rates. Suicide rates increase rapidly after age 14 and peak at age groups 40-44 years and again at 80-84 years (Figure 2).\(^1\)\(^2\)

Gender Disparities
Men die by suicide at almost four times the rate of women and represent 80% of all suicides in Wyoming. The suicide rate for men is 35 per 100,000 compared to 9 per 100,000 among women.\(^3\) However, women are more likely than men to be hospitalized or visit an emergency room for a nonfatal self-harm injury. The self-harm related hospitalization rate for women is 49 per 100,000 compared to 26 per 100,000 for men.\(^3\)

Sexual Identity Disparities
Historically, few studies have gathered data on lesbian, gay, bisexual, and transgender individuals relating to suicide risk. The Youth Risk Behavior Surveillance Survey (YRBSS) is one survey that asks questions about sexual identity. In 2015, Wyoming High School students who self-identified as lesbian, gay, or bisexual were significantly more likely to report they had seriously considered attempting suicide (54%) or had attempted suicide (37%) in the past twelve months compared to students who identified as heterosexual (16% and 11% respectively).\(^8\)

Mechanisms of Suicide
Mechanisms of suicide vary by age group (Figure 3). Firearms account for 64% of suicides across all age groups, followed by suffocation and poisoning.\(^2\)

Self-harm and Suicide Ideation
In 2016, 15% of Wyoming adults 18+ reported that they have been told by a healthcare professional they have a form of depression. Women were more likely (20%) than men (11%) to report a form of depression.\(^9\) Among Wyoming students 6th-12th grade, 20% reported they had seriously considered attempting suicide, and 10% reported they actually attempted suicide in the past 12 months (2016).\(^10\)

Hospitalization rates related to self-harm are highest among youth and young adults 15-19 years. For years 2009-2015 among youth aged 15-19 years, the Self-harm Hospitalization Rate was 83 hospitalizations per 100,000 compared to the Self-harm Hospitalization Rate for all ages of 37 per 100,000.

Suicide Prevention
The Wyoming Injury & Violence Prevention Program continues to lead collaborative efforts on suicide prevention throughout the state by hosting suicide prevention gatekeeper trainings and providing technical assistance to local communities. To find out more information and to become involved with suicide prevention in the state of Wyoming, please visit the Wyoming Injury & Violence Prevention Program website or contact Sarah Spafford at 307-777-2923 or sarah.spafford@wyo.gov.
References