

2022-2023 Yellowstone County Community Health Needs Assessment

Data Packet: Injury & Violence

Recommended Citation: Professional Research Consultants, Inc.

2023 Community Health Needs Assessment Report: Yellowstone County, Montana

hbdyc.org/CHNA – Published January 4, 2023



How to Use This Data Packet

The graphs, data points, trends, and other insights shared in this data packet can be utilized when seeking:

- Verified local data for data acquisition or utilization purposes such as grant applications, local and non-local trend tracking, etc.
- High resolution slides for use in presentations or educational materials.
- Accessible, accurate data to increase understanding of community health topics and health disparities.
- A condensed, topic-specific alternative to reading 200+ pages of data!

Key Takeaways – Injury & Violence

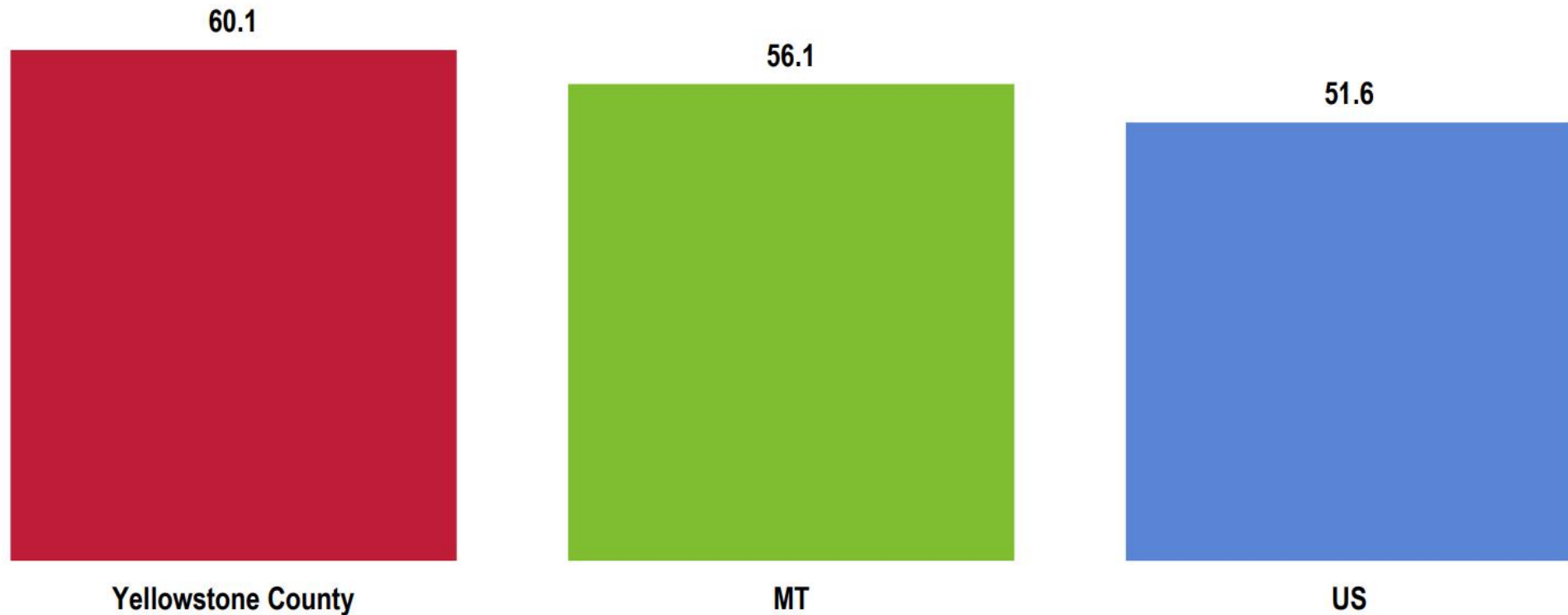
- Yellowstone County rates of age-adjusted **unintentional deaths have consistently risen since 2012-2014**, now outpacing state and national trends.
- **Falls are the leading cause of unintentional deaths in Yellowstone County**, followed by poisonings/drug overdoses and motor vehicle crashes.
- **The heavy majority of YC families do not have an emergency plan** in place detailing what they will do before, during, and after a natural disaster or other emergency.
- 38% of adults aged 45+ who fell in the last year **sustained an injury as a result of their fall.**

Key Takeaways – Injury & Violence

- While over 75% of YC residents perceived their own neighborhoods to be “quite,” or “extremely,” safe, **reports of lower levels of perceived neighborhood safety have risen significantly since 2020.**
- Reports of intimate partner violence continue to rise in Yellowstone County, a rising trend since 2010, with **23.5% of respondents reporting having been on the receiving end of intimate partner violence.**
- **Over 30% of YC residents currently have an unlocked firearm around their home or vehicle.**
 - While this figure may not vary drastically between population groups, the overall rate has risen significantly since 2020.

Unintentional Injuries: Age-Adjusted Mortality (2018-2020 Annual Average Deaths per 100,000 Population)

Healthy People 2030 = 43.2 or Lower



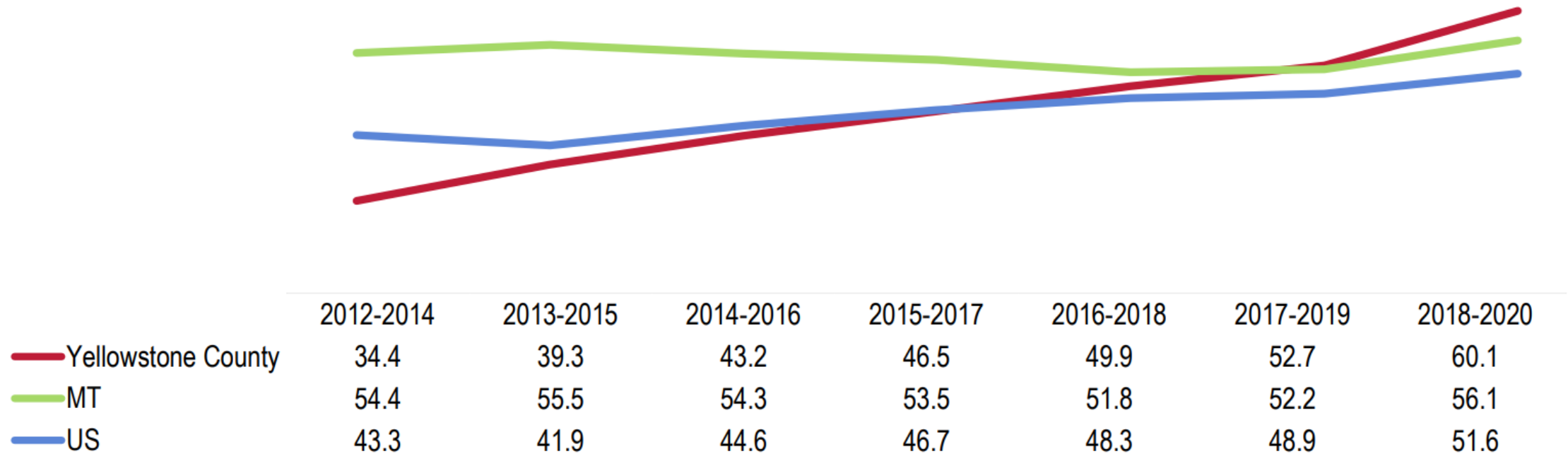
Sources:

- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted July 2022.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Unintentional Injuries: Age-Adjusted Mortality Trends

(Annual Average Deaths per 100,000 Population)

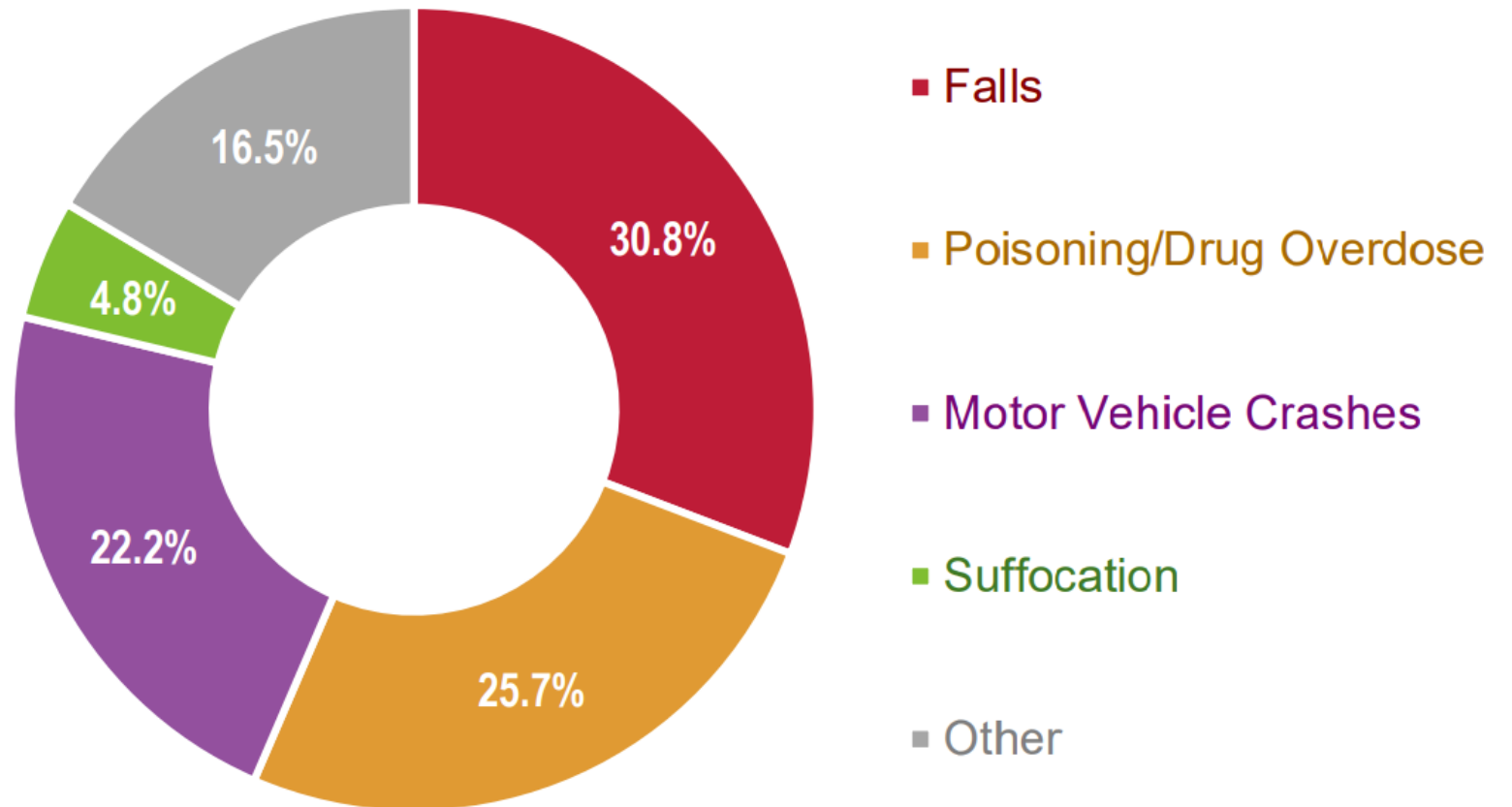
Healthy People 2030 = 43.2 or Lower



Sources:

- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted July 2022.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

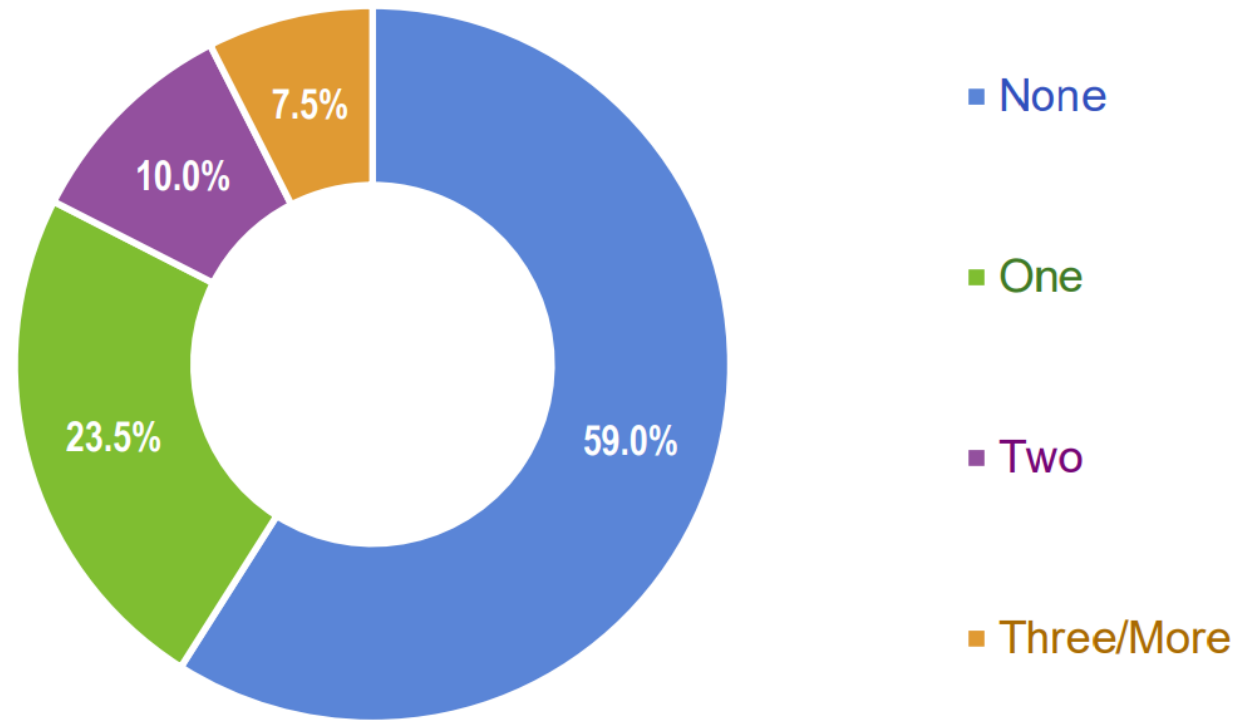
Leading Causes of Unintentional Injury Deaths (Yellowstone County, 2018-2020)



Sources: ● CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted July 2022.

Fall Prevalence in Yellowstone County

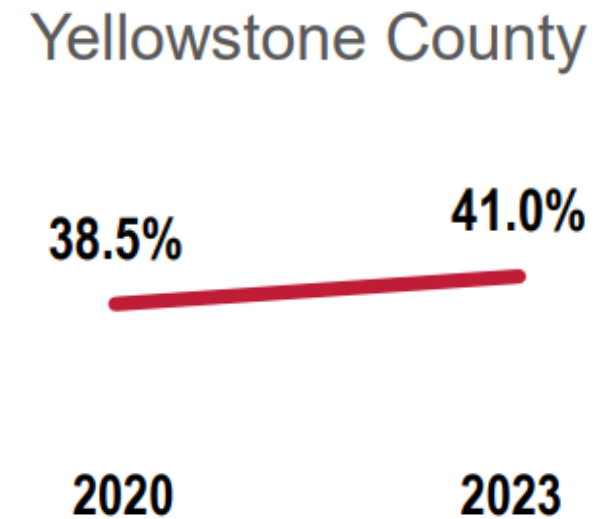
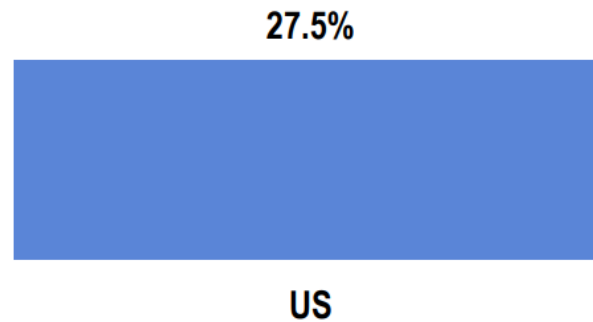
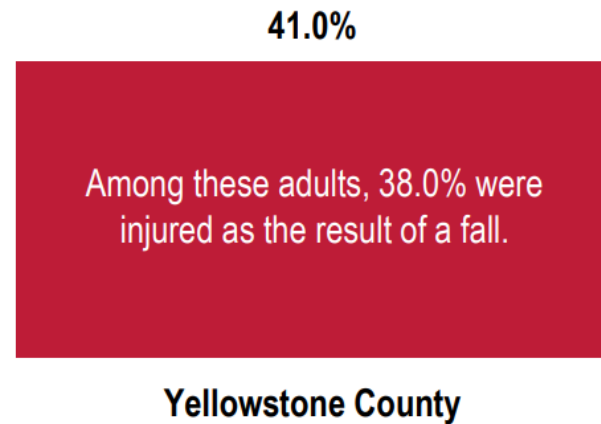
Number of Falls in Past 12 Months
(Adults Age 45 and Older, Yellowstone County, 2023)



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 328]
Notes: ● Asked of respondents age 45 and older.

Fall Prevalence in Yellowstone County

Fell One or More Times in the Past Year
(Adults Age 45 and Older, Yellowstone County, 2023)

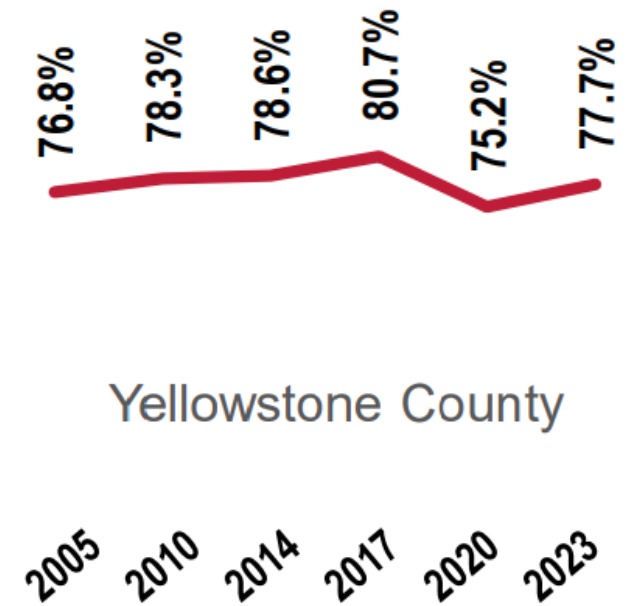
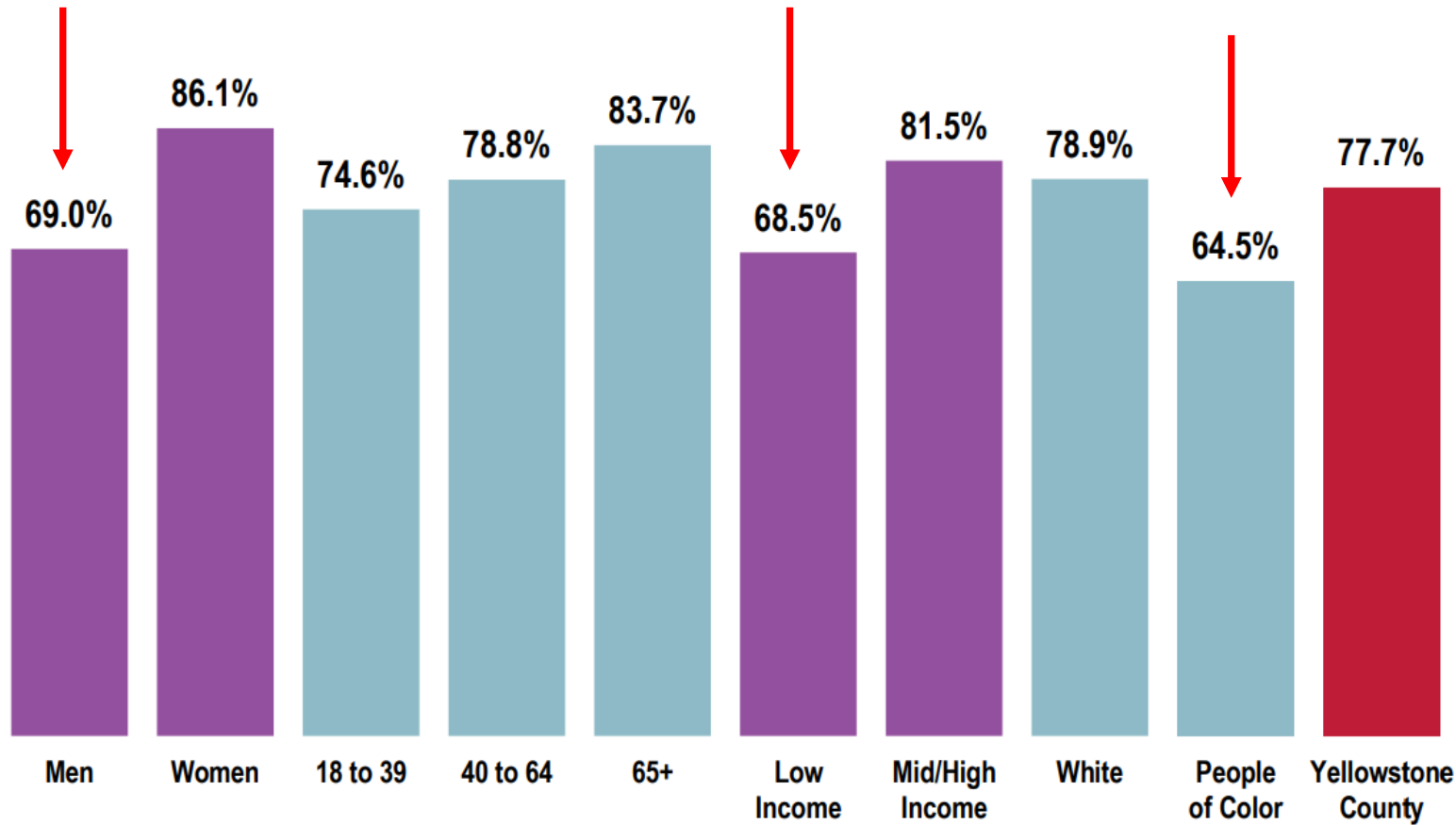


Sources: • 2023 PRC Community Health Survey, PRC, Inc. [Items 328-329]

• 2020 PRC National Health Survey, PRC, Inc.

Notes: • Asked of respondents age 45 and older .

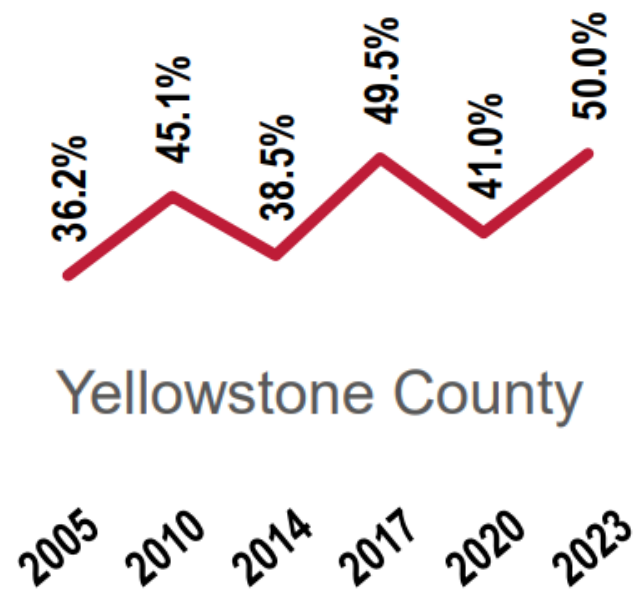
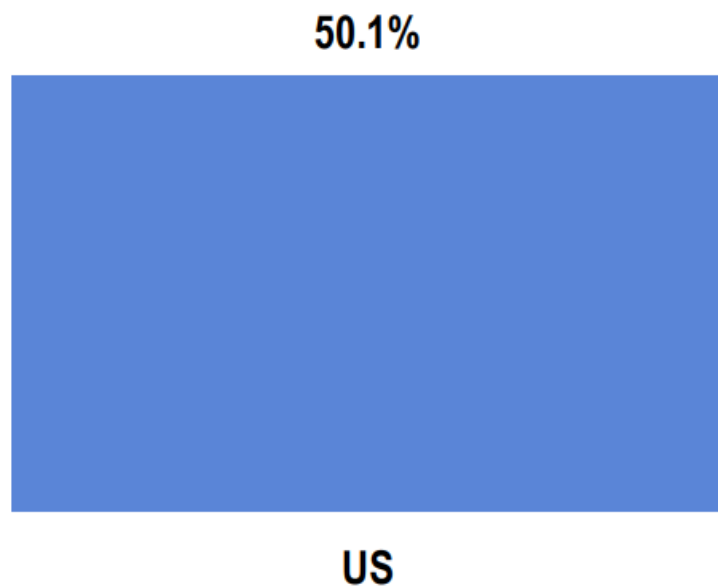
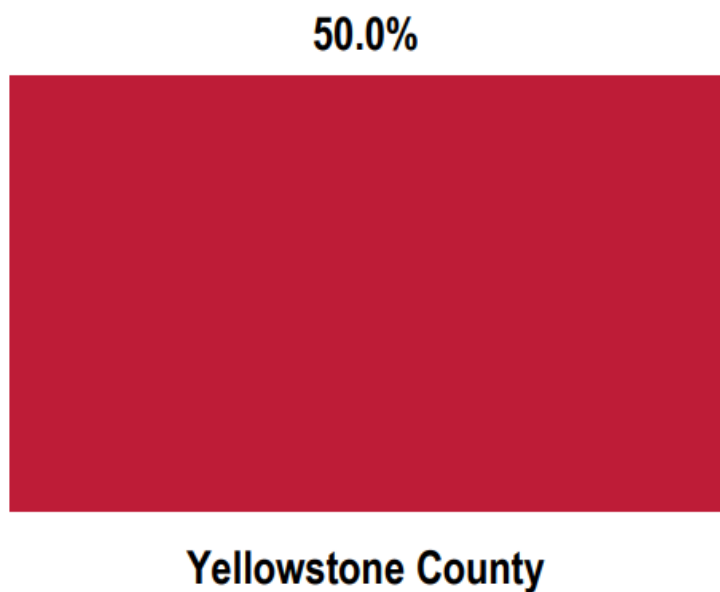
“Always” Wear a Seat Belt When Driving or Riding in a Vehicle (Yellowstone County, 2023)



Sources: • 2023 PRC Community Health Survey, PRC, Inc. [Item 305]

Notes: • Asked of all respondents.

Child “Always” Wears a Helmet When Riding a Bicycle (Parents of Children Age 5-17, Yellowstone County, 2023)

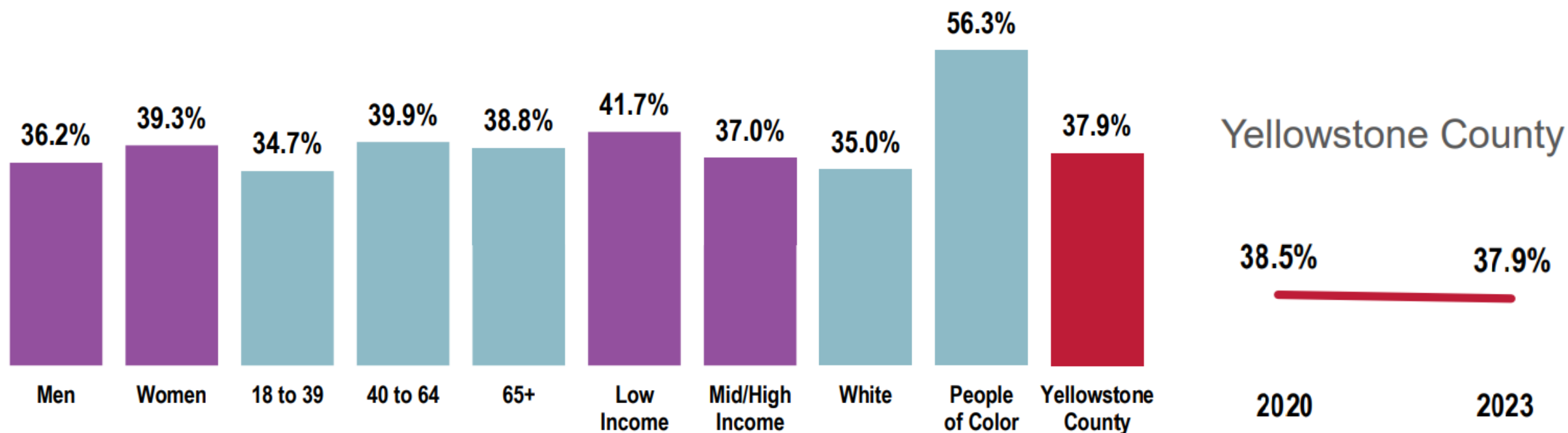


Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Items 340]

● 2020 PRC National Health Survey, PRC, Inc.

Notes: ● Asked of respondents with children age 5 to 17 at home.

Family Has an Emergency Plan (Yellowstone County, 2023)



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 308]

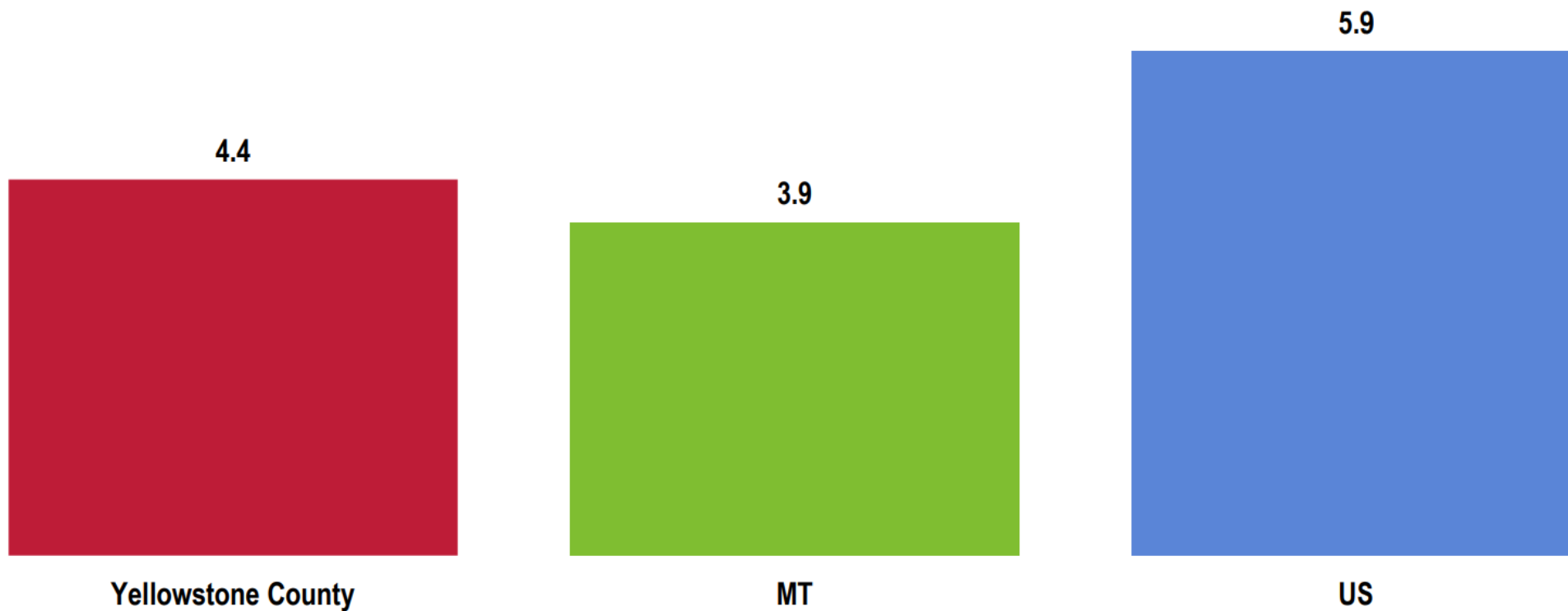
Notes: ● Asked of all respondents.

● Defined as a plan that describes what the family will do before, during, and after a natural disaster or emergency.

Homicide: Age-Adjusted Mortality

(2018-2020 Annual Average Deaths per 100,000 Population)

Healthy People 2030 = 5.5 or Lower

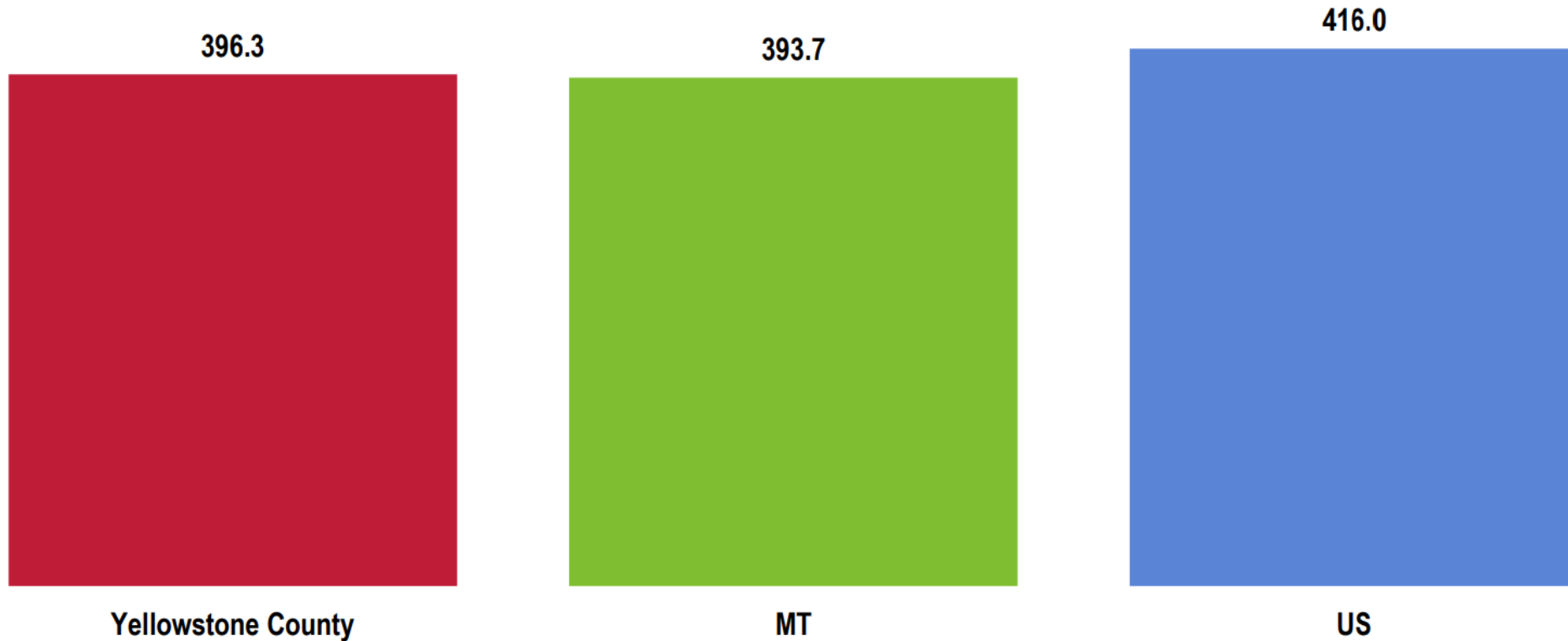


Sources:

- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted July 2022.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Violent Crime

(Rate per 100,000 Population, 2015-2017)



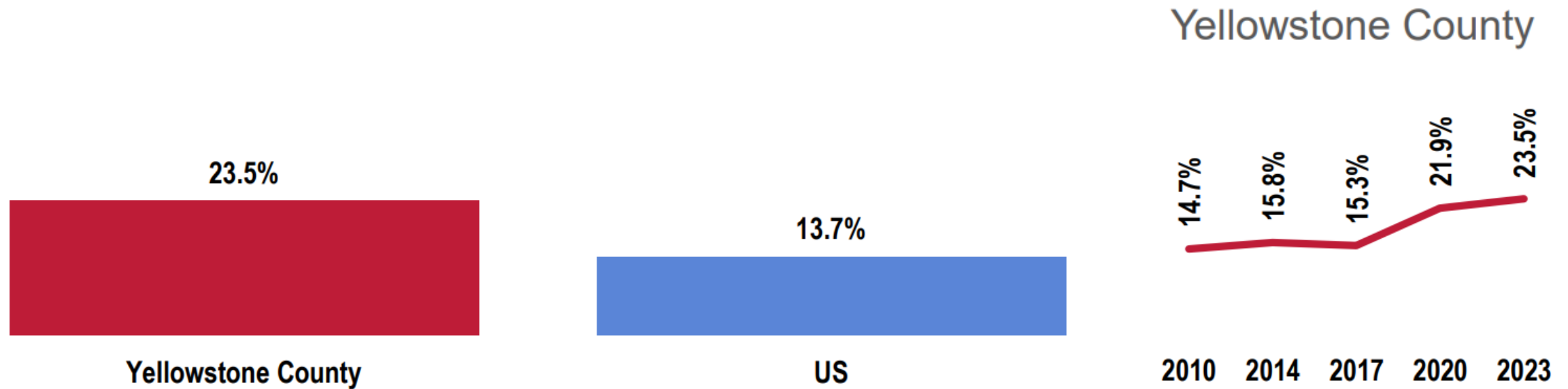
Sources: ● Federal Bureau of Investigation, FBI Uniform Crime Reports.

● Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved July 2022 via SparkMap (sparkmap.org).

Notes: ● This indicator reports the rate of violent crime offenses reported by the sheriff's office or county police department per 100,000 residents. Violent crime includes homicide, rape, robbery, and aggravated assault. This indicator is relevant because it assesses community safety.

● Participation by law enforcement agencies in the UCR program is voluntary. Sub-state data do not necessarily represent an exhaustive list of crimes due to gaps in reporting. Also, some institutions of higher education have their own police departments, which handle offenses occurring within campus grounds; these offenses are not included in the violent crime statistics but can be obtained from the Uniform Crime Reports Universities and Colleges data tables.

Have Ever Been Hit, Slapped, Pushed, Kicked, or Hurt in Any Way by an Intimate Partner

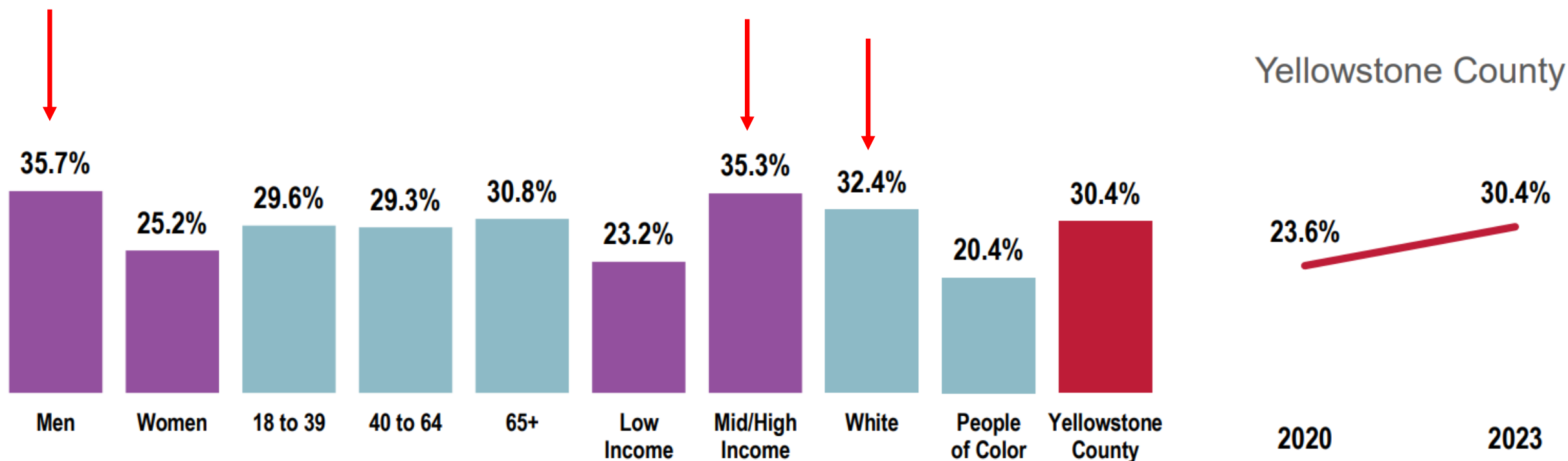


Sources: • 2023 PRC Community Health Survey, PRC, Inc. [Item 39]

• 2020 PRC National Health Survey, PRC, Inc.

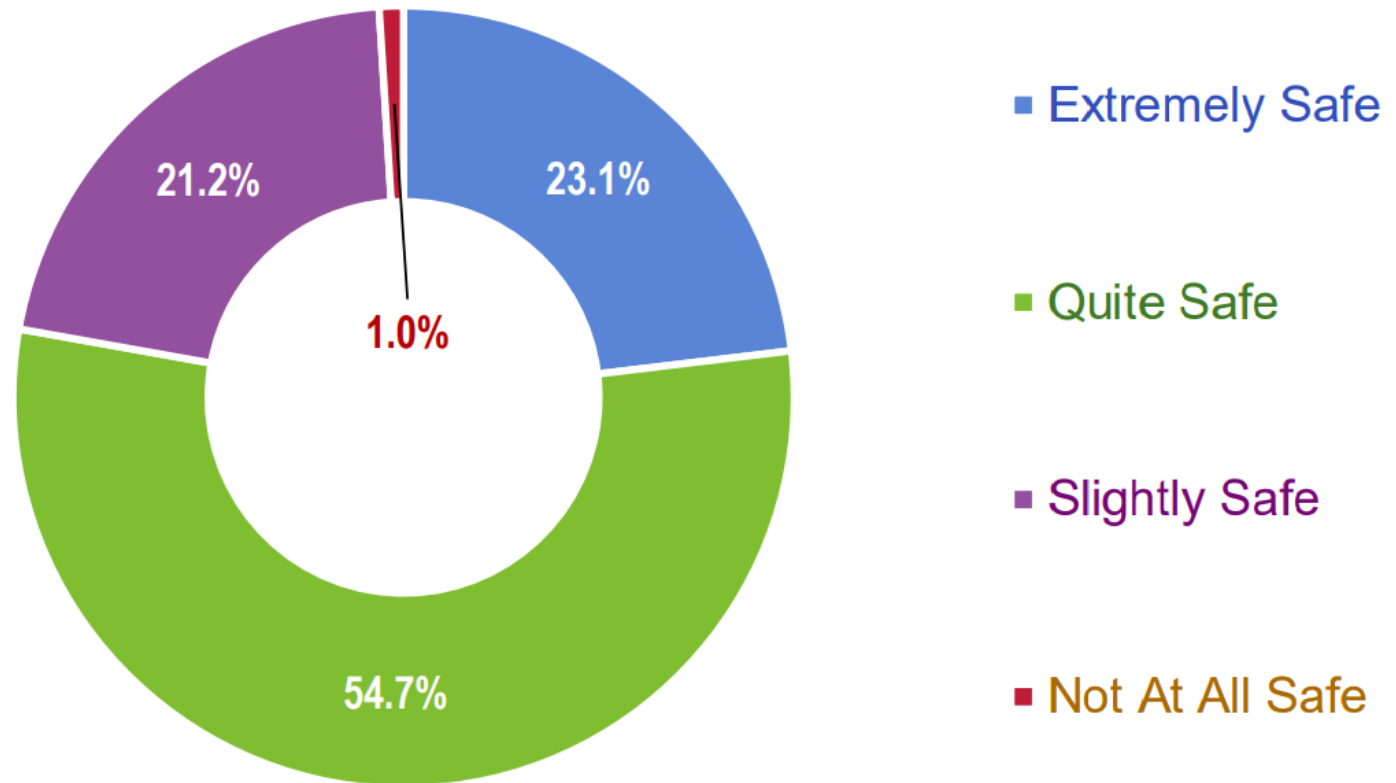
Notes: • Asked of all respondents.

Currently Have an Unlocked Firearm in or Around the Home or Vehicle (Yellowstone County, 2023)



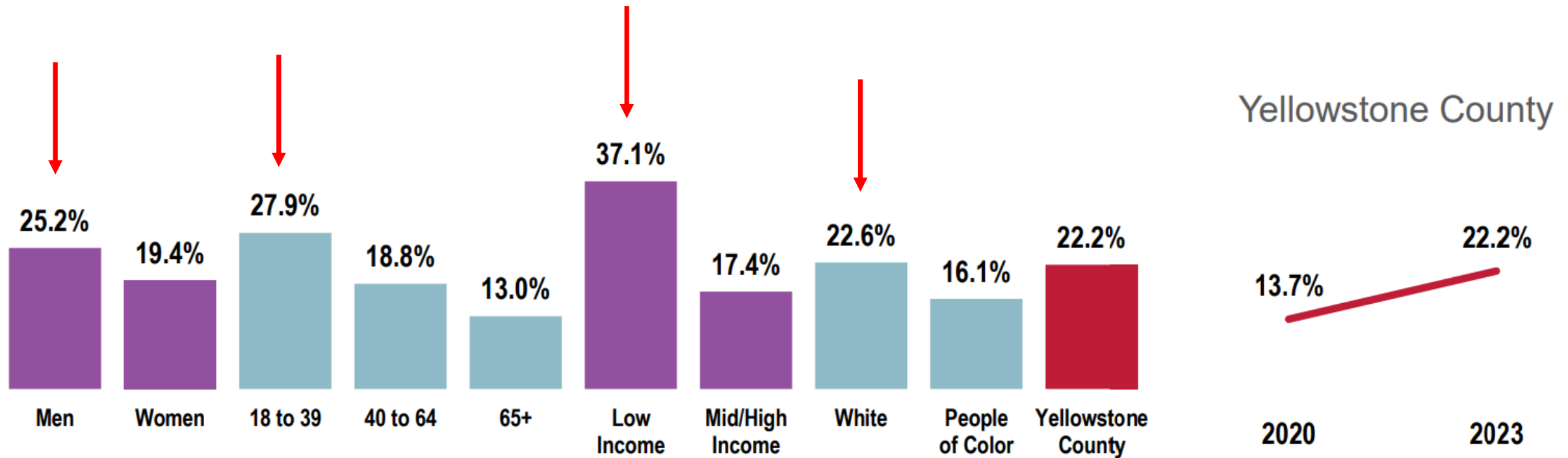
Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 310]
Notes: ● Asked of all respondents.
● In this case, the safety is not considered to be a lock.

Perceived Safety of Own Neighborhood (Yellowstone County, 2023)



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 306]
Notes: ● Asked of all respondents.

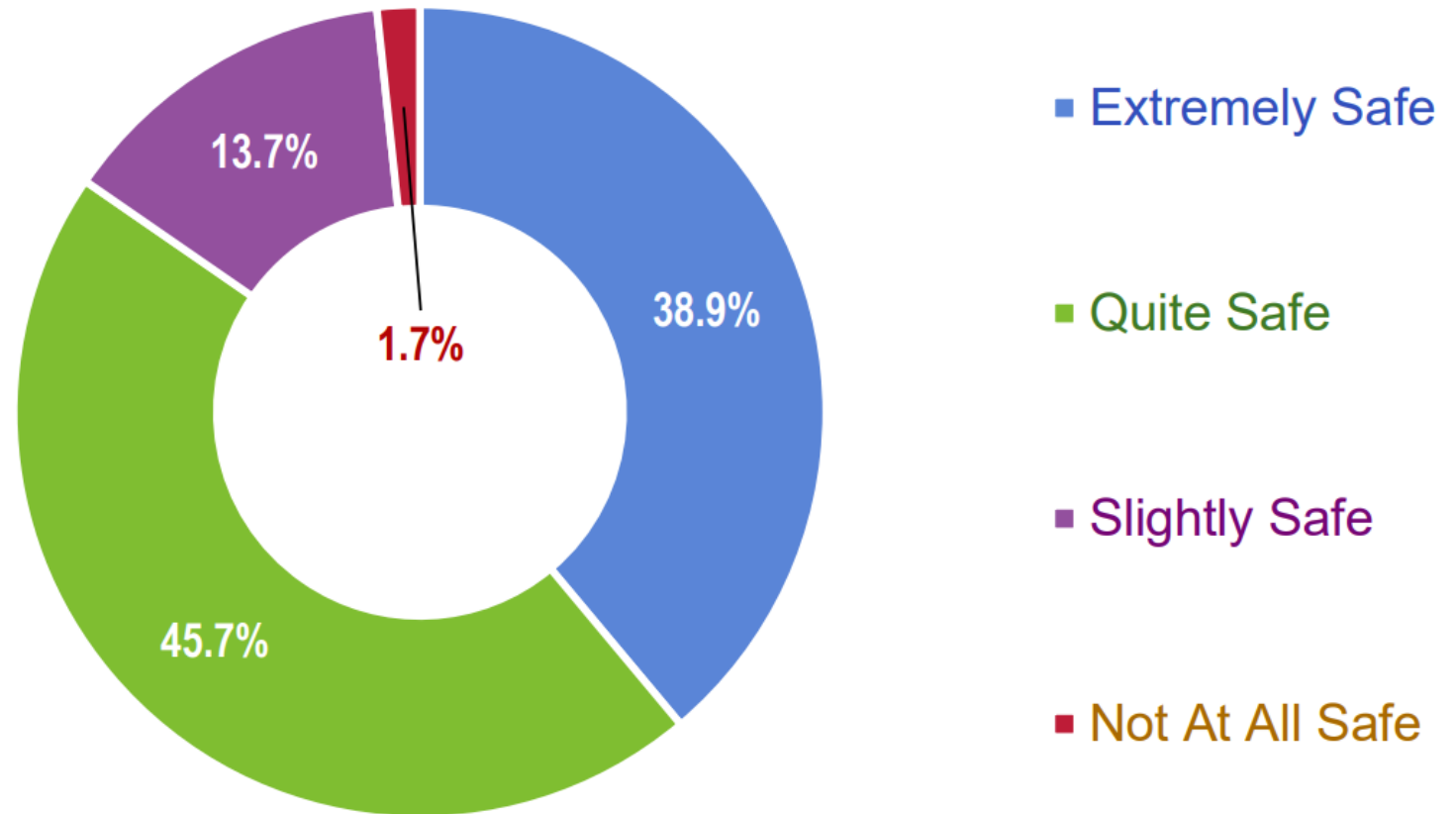
Perceive Own Neighborhood as “Slightly” or “Not At All” Safe (Yellowstone County, 2023)



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 306]

Notes: ● Asked of all respondents.

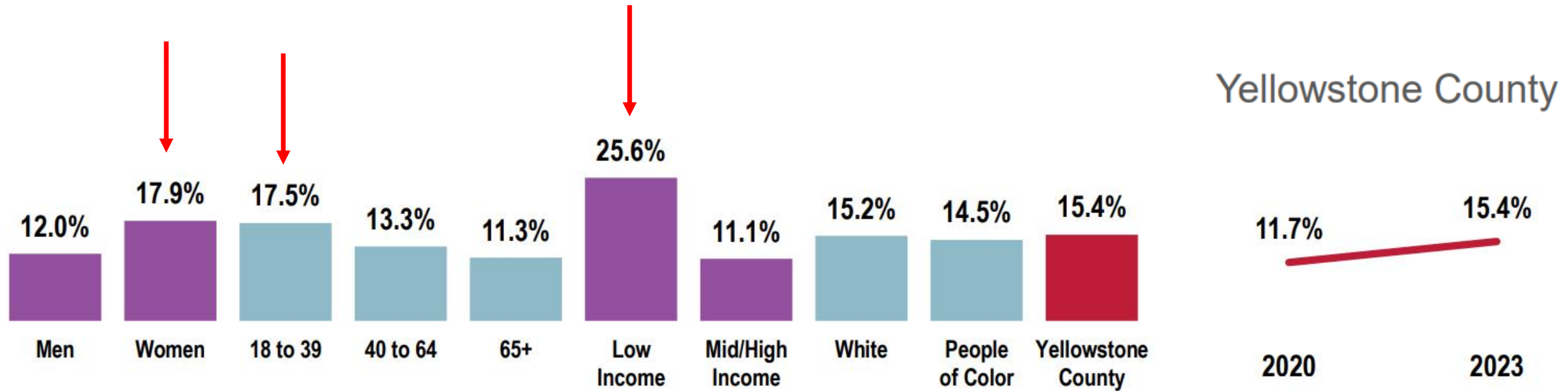
Perceived Safety of Walking Alone in the Neighborhood (Yellowstone County, 2023)



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 307]

Notes: ● Asked of all respondents.

Feel “Slightly/Not At All Safe” Walking Alone in the Neighborhood (Yellowstone County, 2023)



Sources: • 2023 PRC Community Health Survey, PRC, Inc. [Item 307]

Notes: • Asked of all respondents.

Injury & Violence: Key Informant Input

Perceptions of Injury and Violence as a Problem in the Community (Key Informants, 2023)

■ Major Problem ■ Moderate Problem ■ Minor Problem ■ No Problem At All



Sources: ● PRC Online Key Informant Survey, PRC, Inc.

Notes: ● Asked of all respondents.

Injury & Violence: Key Informant Input






























Key informants highlighted topics such as:

- Rising incidence/prevalence levels.
- High usage of and ease of access to substances and weapons.
- Substance abuse and addiction.
- Increased levels of homelessness and domestic abuse.
- Lack of funding for services such as EMS, mental health providers, substance abuse services, and law enforcement.

“There are many more shootings and violent behavior that is visible within the community and reported. I believe this is due to drugs, alcohol, and the abundance of guns available to so many. It seems that domestic abuse and homelessness are on the rise as well.” -
Community Leader

“Violence continues to be a problem fueled by addictions. **Also, breakdown in trust with our police department. The community perspective is that the police are very adversarial.**” -
Community Leader

Injury & Violence Health Forecast

INJURY & VIOLENCE	Yellowstone County	vs. MT	vs. US	vs. HP2030	TREND	% Have a Family Emergency Plan	37.9	 38.5		
Unintentional Injury (Age-Adjusted Death Rate)	60.1	 56.1	 51.6	 43.2	 34.4	Firearm-Related Deaths (Age-Adjusted Death Rate)	18.9	 19.1	 12.5	 10.7
Motor Vehicle Crashes (Age-Adjusted Death Rate)	14.6	 16.8	 11.4	 10.1		% Have an Unlocked Firearm in the Home or Vehicle	30.4			 23.6
% [Adults] "Always" Wear a Seat Belt	77.7				 76.8	Homicide (Age-Adjusted Death Rate)	4.4	 3.9	 5.9	 5.5
% [Child Age 5-17] "Always" Wear a Bike Helmet	50.0		 50.1		 36.2	Violent Crime Rate	396.3	 393.7	 416.0	
[65+] Falls (Age-Adjusted Death Rate)	106.3	 91.3	 67.1	 63.4		% Perceive Neighborhood as "Slightly/Not At All" Safe	22.2			 13.7
						% Feel "Slightly/Not at All Safe" Walking Alone in Neighborhood	15.4			 11.7
% [Age 45+] Fell in the Past Year	41.0		 27.5		 38.5	% Victim of Intimate Partner Violence	23.5		 13.7	 14.7

Published Community Health Needs Assessment at: www.hbdyc.org

*Visit the website to contact Healthy By Design
for additional information regarding the coalition or next steps*

Contact: Amy Queen, Community Health Improvement Manager
406.247.3223 amy@hbdyc.org

