

2022-2023 Yellowstone County Community Health Needs Assessment

Overall Health Status and Social Determinants of Health (SDOH)

Recommended Citation: Professional Research Consultants, Inc.

2023 Community Health Needs Assessment Report: Yellowstone County, Montana

hbdyc.org/CHNA – Published January 4, 2023



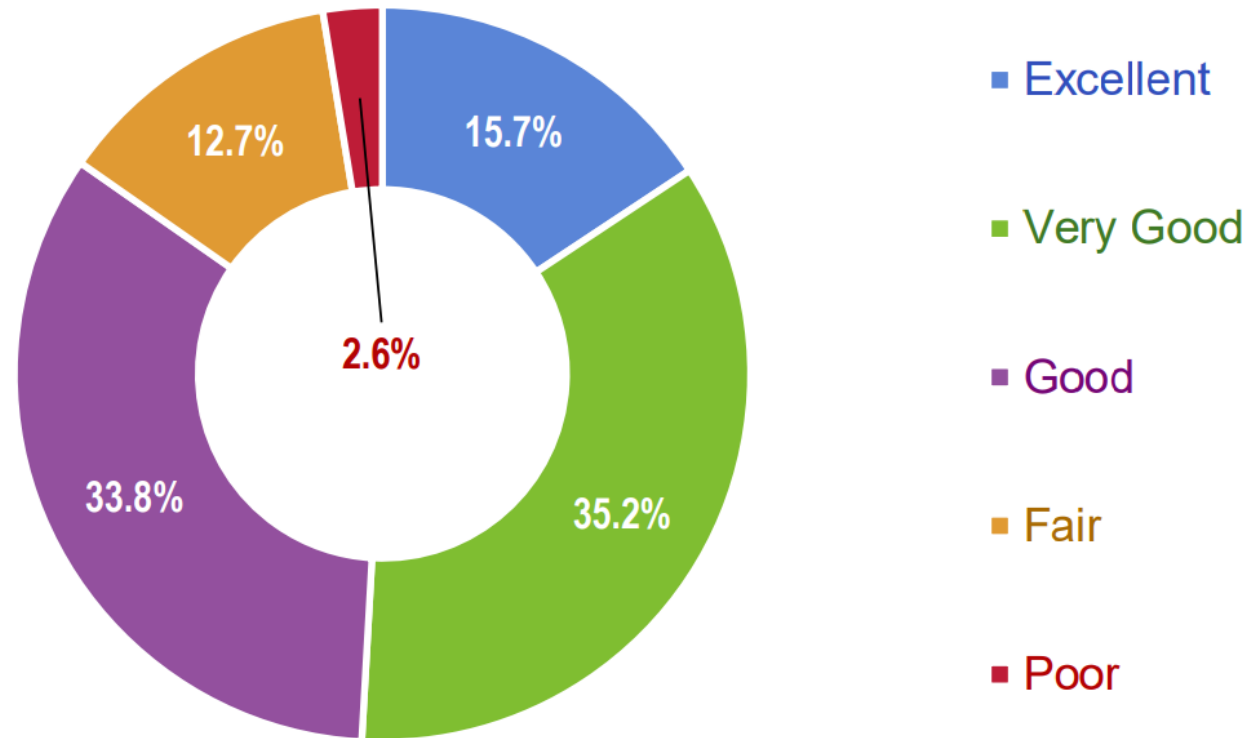
How to Use This Data Packet

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!

Overall Health Status

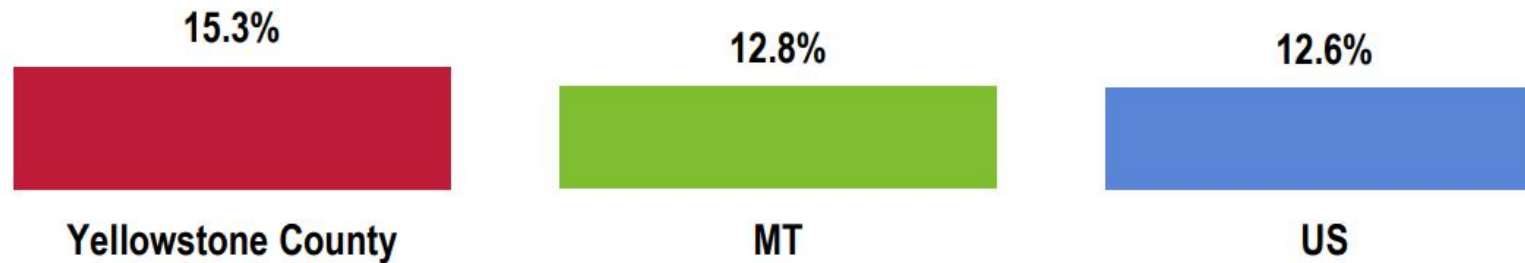
Self-Reported Health Status (Yellowstone County, 2023)



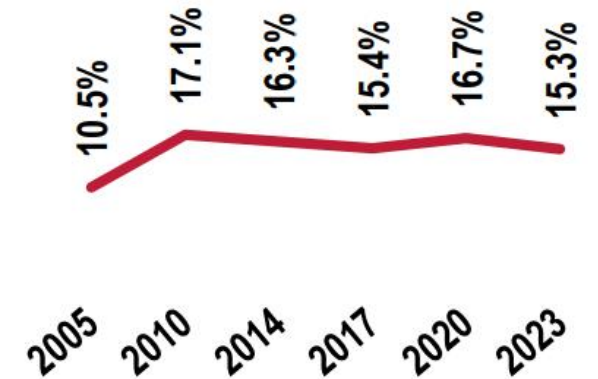
Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 5]
Notes: ● Asked of all respondents.

Overall Health Status

Experience “Fair” or “Poor” Overall Health

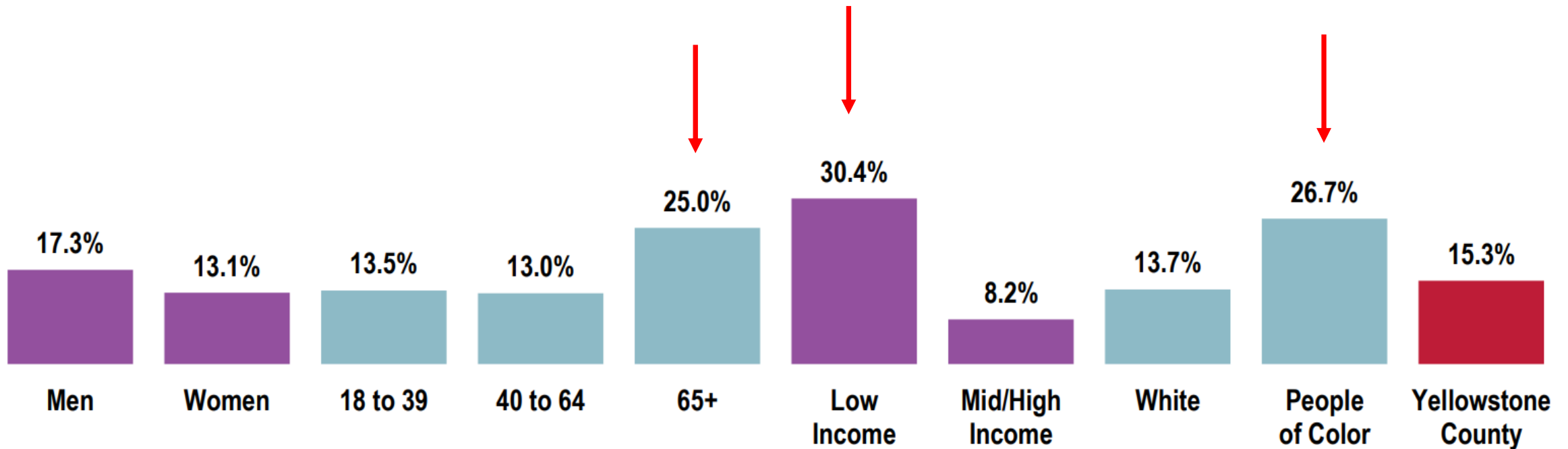


Yellowstone County



- Sources:
- 2023 PRC Community Health Survey, PRC, Inc. [Item 5]
 - Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2020 Montana data.
 - 2020 PRC National Health Survey, PRC, Inc.
- Notes:
- Asked of all respondents.

Experience “Fair” or “Poor” Overall Health (Yellowstone County, 2023)



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 5]

Notes: ● Asked of all respondents.

Social Determinants of Health Overview

Social determinants of health (SDOH) are the **conditions in the environments** where people are born, live, learn, work, play, worship, and age that **affect a wide range of health**, functioning, and quality-of-life outcomes and risks.

These conditions are often interconnected and can contribute to wide health disparities and inequities.

Examples include:

- Safe housing, transportation, and neighborhoods
- Racism, discrimination, and violence
- Education, job opportunities, and income
- Access to nutritious foods and physical activity opportunities
- Polluted air and water
- Language and literacy skills

Key Takeaways – Social Determinants of Health

- 26.1% of YC adults expressed some level of concern regarding **paying their rent or mortgage**.
 - **Adults with lower levels of income were significantly more likely to express this concern**, with 49.7% of this population expressing higher levels of concern.
- The **unemployment rate** in Yellowstone County has consistently decreased since 2011.
- **16.2% of YC adults would not be able to afford an unexpected \$400 expense without going into debt.**
 - Residents with lower income levels, People of Color, and women are significantly more likely to report this difficulty.
- 50.7% of parents rate the **availability of affordable childcare** as “fair,” or “poor.”

Key Takeaways – Social Determinants of Health

33.3% of YC adults report perceptions of being treated with less courtesy/respect.

The following experiences are disproportionately reported by **People of Color**:

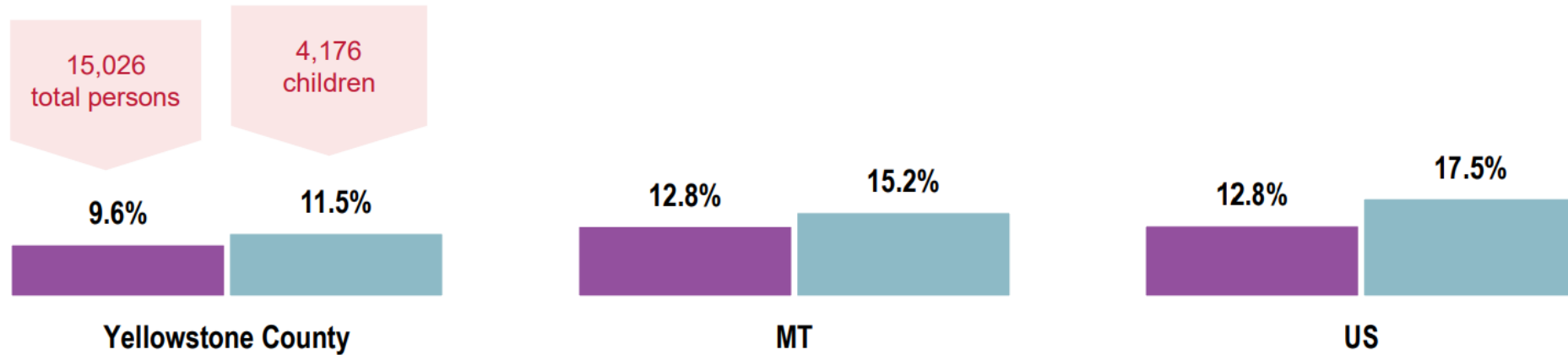
- **50.6%** report being treated with reduced levels of courtesy/respect.
- **47.6%** report receiving poorer service in restaurants/stores.
- **42%** report being treated as less intelligent.
- **31.6%** report being treated as a potential danger.
- **21.3% of YC residents have low food access**, meaning their nearest supermarket or large grocery store is more than ½ mile from their home.
- **Food insecurity continues to rise in Yellowstone County**, with significant disparities being revealed based on factors such as income and ethnicity.
- **Approximately 10% of Yellowstone County (YC) residents are living below the federal poverty level.**

Population in Poverty

(Populations Living Below the Poverty Level; 2016-2020)

Healthy People 2030 = 8.0% or Lower

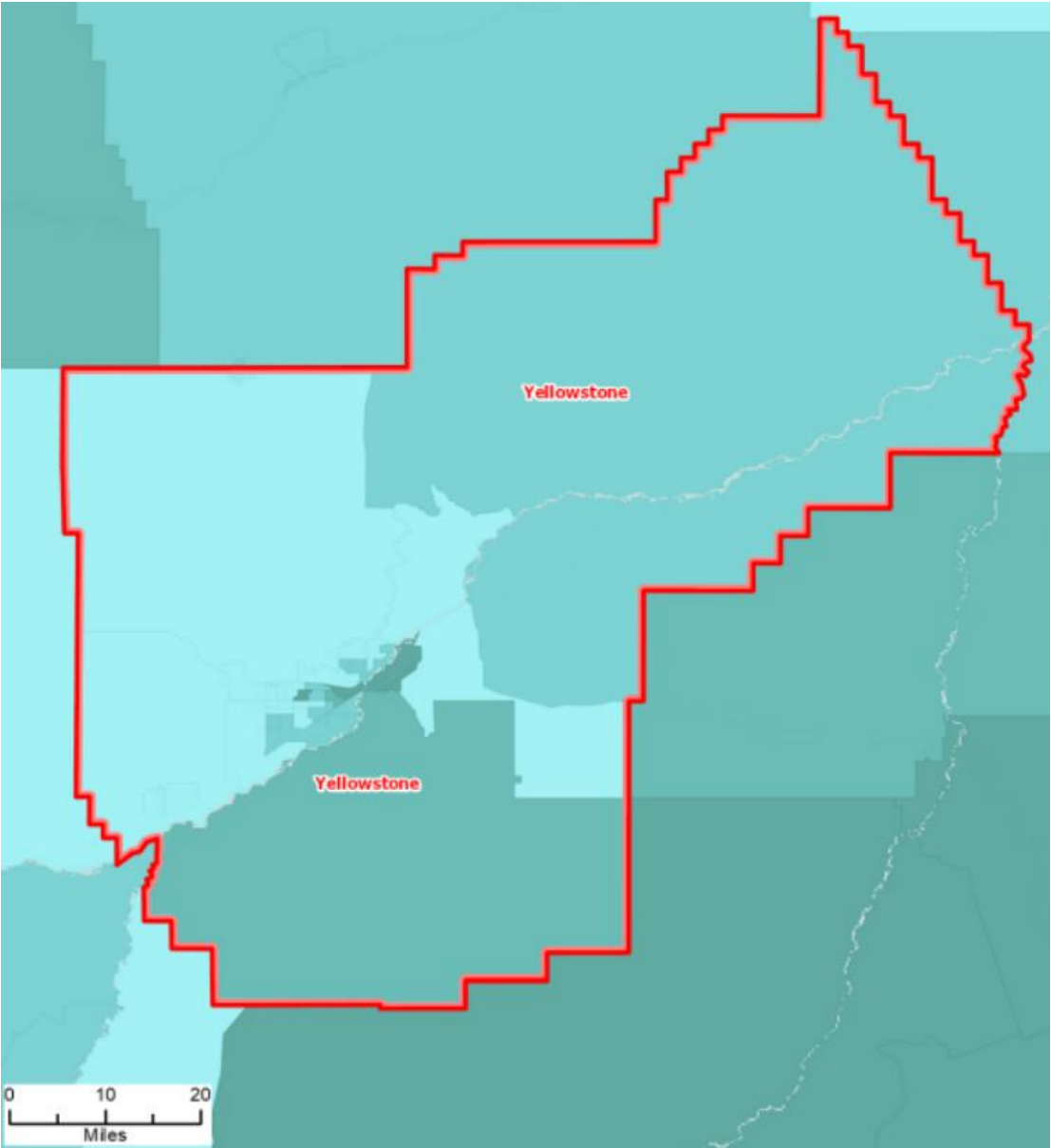
■ Total Population ■ Children



- Sources:
- US Census Bureau American Community Survey 5-year estimates.
 - Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved July 2022 via SparkMap (sparkmap.org).
 - US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

- Notes:
- Poverty is considered a key driver of health status. This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

Adults Living Below Poverty Level Heat Map



Population Below the Poverty Level, Percent by Tract, ACS 2016-20

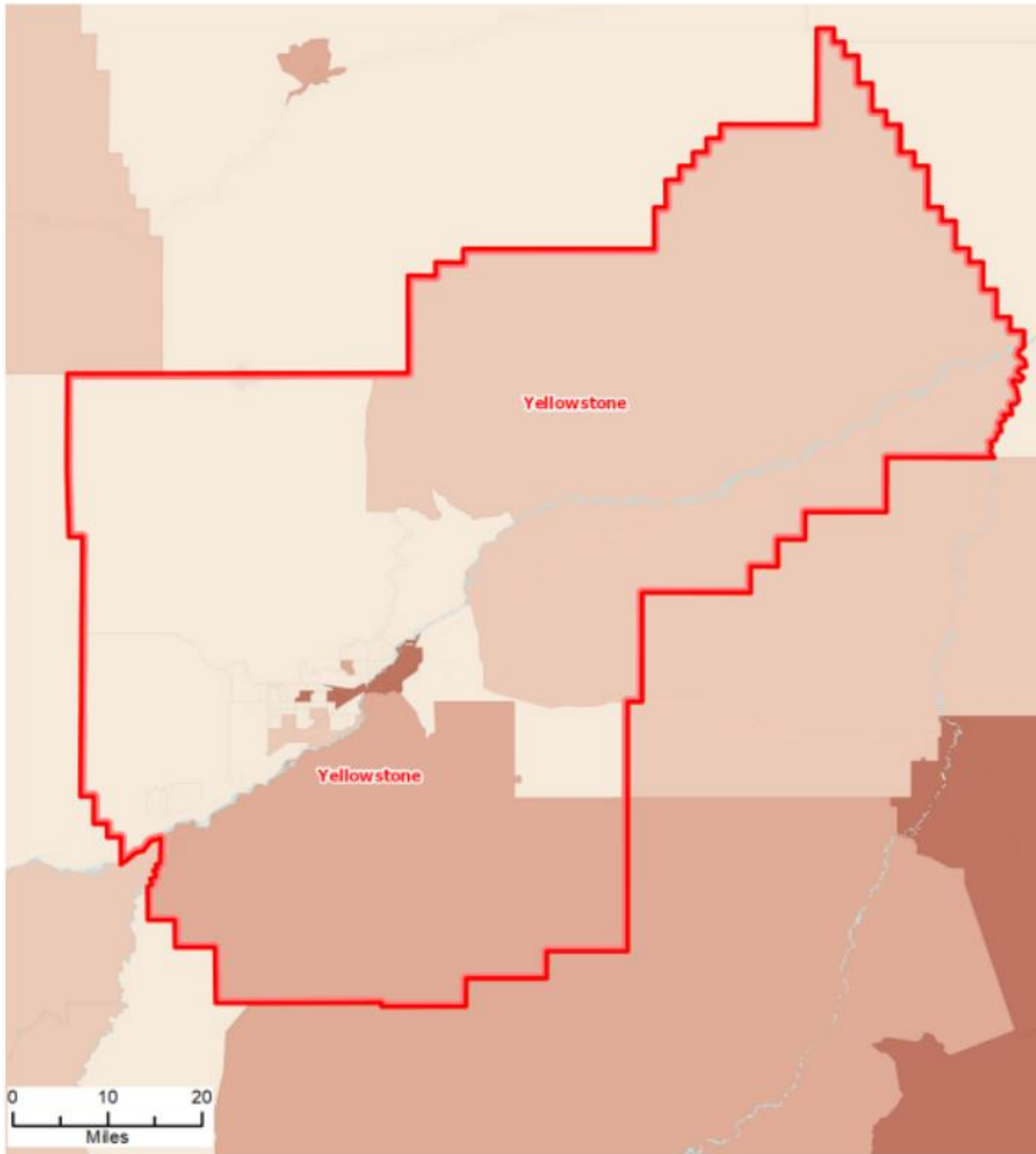
- Over 20.0%
- 15.1 - 20.0%
- 10.1 - 15.0%
- Under 10.1%
- No Data or Data Suppressed

Map Legend

Report Location, County



Children Living Below Poverty Level Heat Map



Population Below the Poverty Level, Children (Age 0-17), Percent by Tract, ACS 2016-20

- Over 30.0%
- 22.6 - 30.0%
- 15.1 - 22.5%
- Under 15.1%
- No Population Age 0-17 Reported
- No Data or Data Suppressed

Map Legend

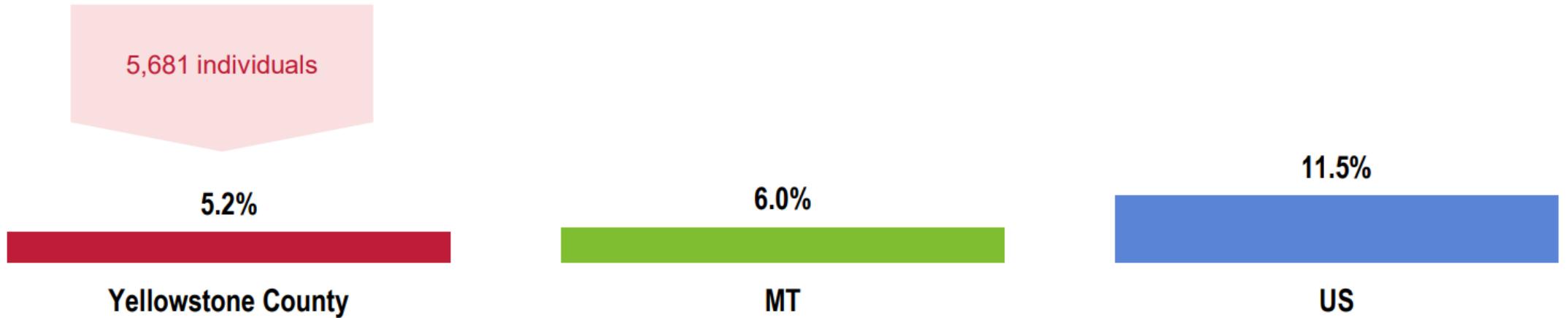
Report Location, County



SparkMap

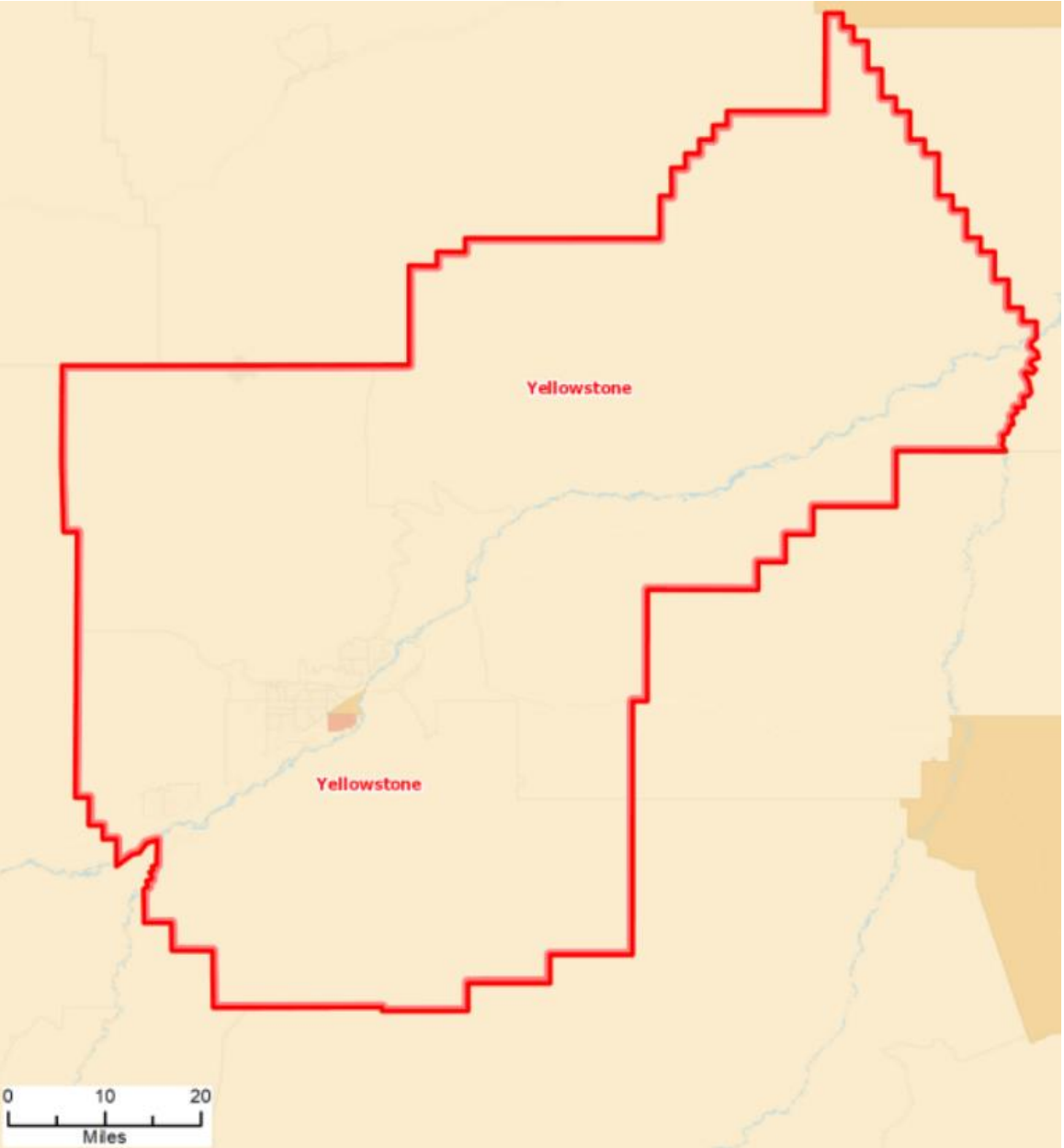
Population With No High School Diploma

(Population Age 25+ Without a High School Diploma or Equivalent, 2016-2020)



- Sources:
- US Census Bureau American Community Survey 5-year estimates.
 - Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved July 2022 via SparkMap (sparkmap.org).
- Notes:
- This indicator is relevant because educational attainment is linked to positive health outcomes.

No High School Diploma for Age 25+ Heat Map



Population with No High School Diploma (Age 25+), Percent by Tract, ACS 2016-20

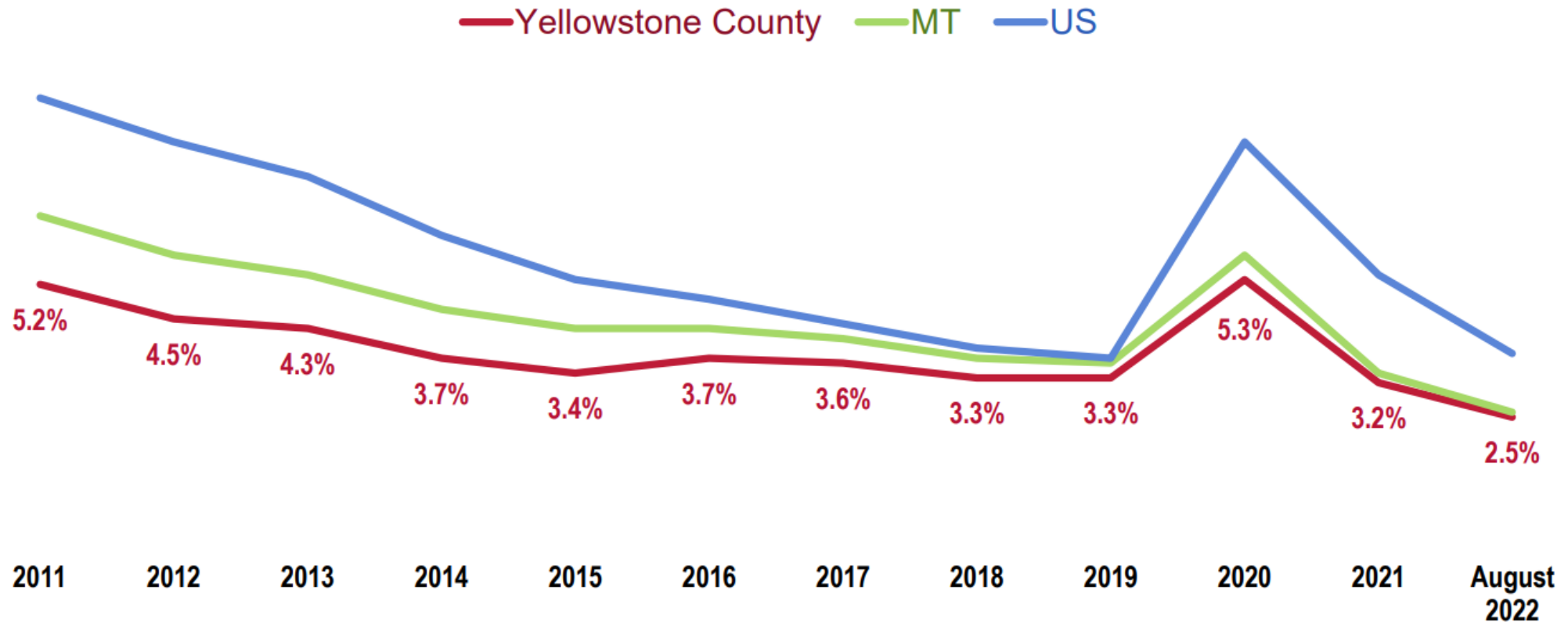
- Over 21.0%
- 16.1 - 21.0%
- 11.1 - 16.0%
- Under 11.1%
- No Data or Data Suppressed

Map Legend
Report Location, County



Unemployment Rate

(Percent of Non-Institutionalized Population Age 16+ Unemployed, Not Seasonally-Adjusted)

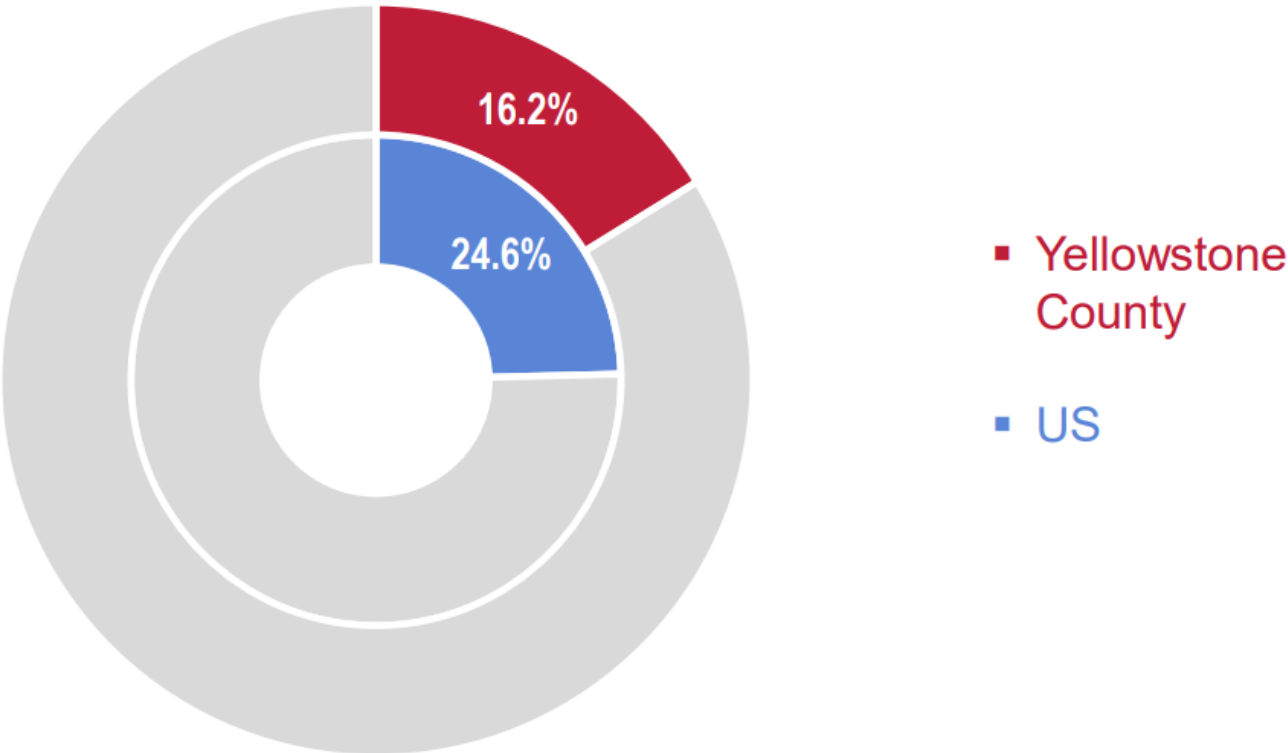


Sources: ● US Department of Labor, Bureau of Labor Statistics.

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

Notes: ● This indicator is relevant because unemployment creates financial instability and barriers to access including insurance coverage, health services, healthy food, and other necessities that contribute to poor health status.

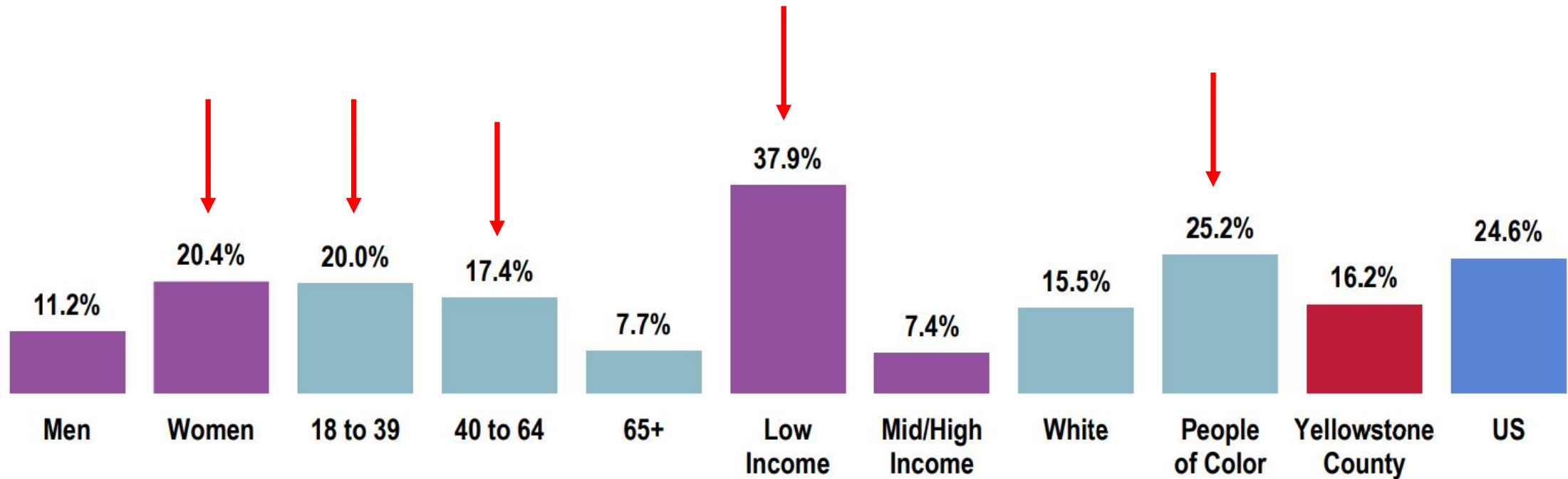
Do Not Have Cash on Hand to Cover a \$400 Emergency Expense



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 63]
● 2020 PRC National Health Survey, PRC, Inc.

Notes: ● Asked of all respondents.
● Includes respondents who say they would not be able to pay for a \$400 emergency expense either with cash, by taking money from their checking or savings account, or by putting it on a credit card that they could pay in full at the next statement.

Do Not Have Cash on Hand to Cover a \$400 Emergency Expense (Yellowstone County, 2023)

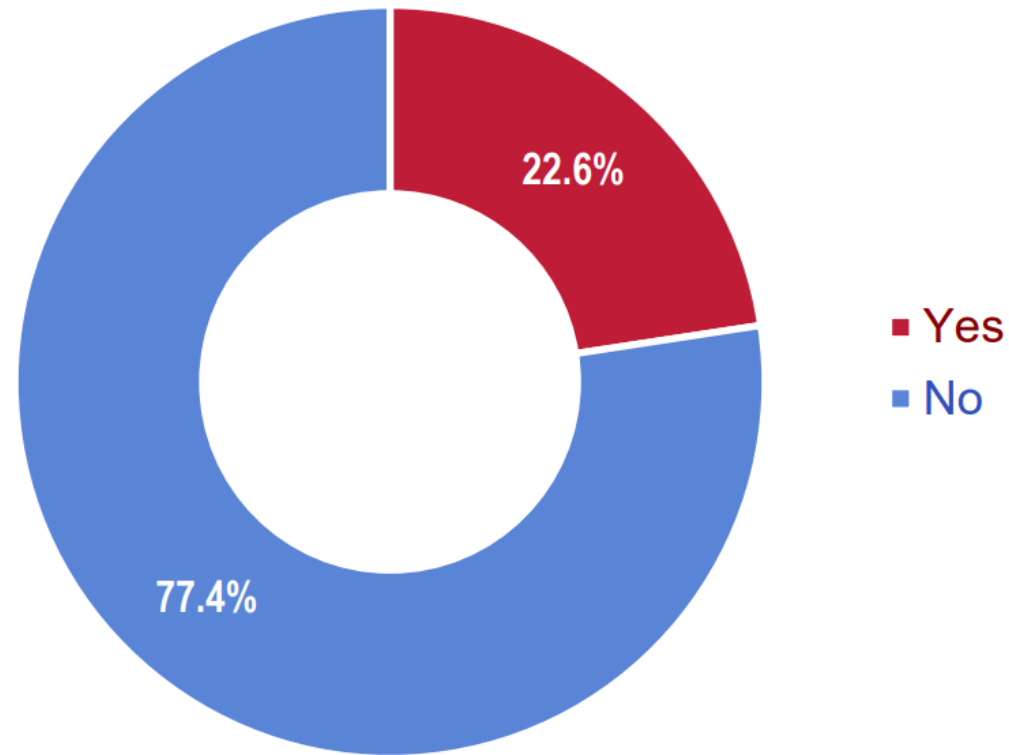


Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 63]

Notes: ● Asked of all respondents.

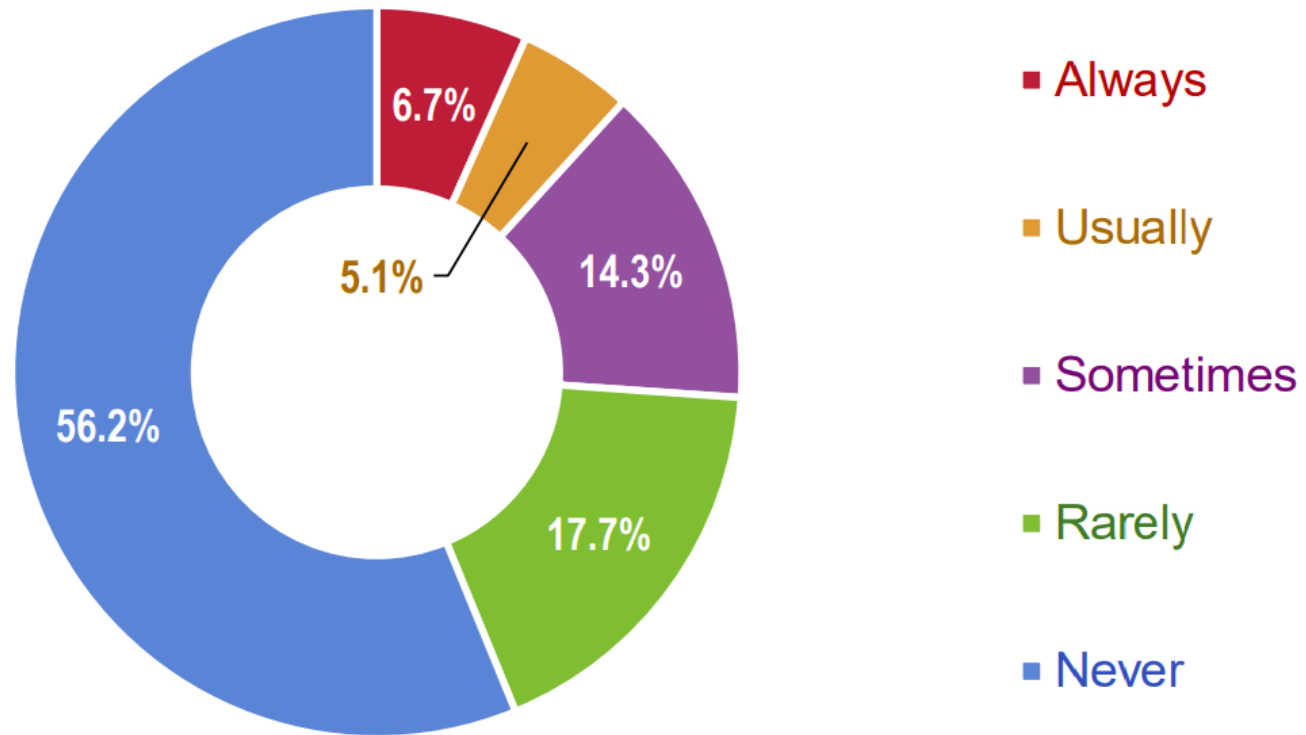
● Includes respondents who say they would not be able to pay for a \$400 emergency expense either with cash, by taking money from their checking or savings account, or by putting it on a credit card that they could pay in full at the next statement.

Household Member Has Lost a Job, Hours/Wages, or Health Insurance Since the Beginning of the Pandemic (Yellowstone County, 2023)



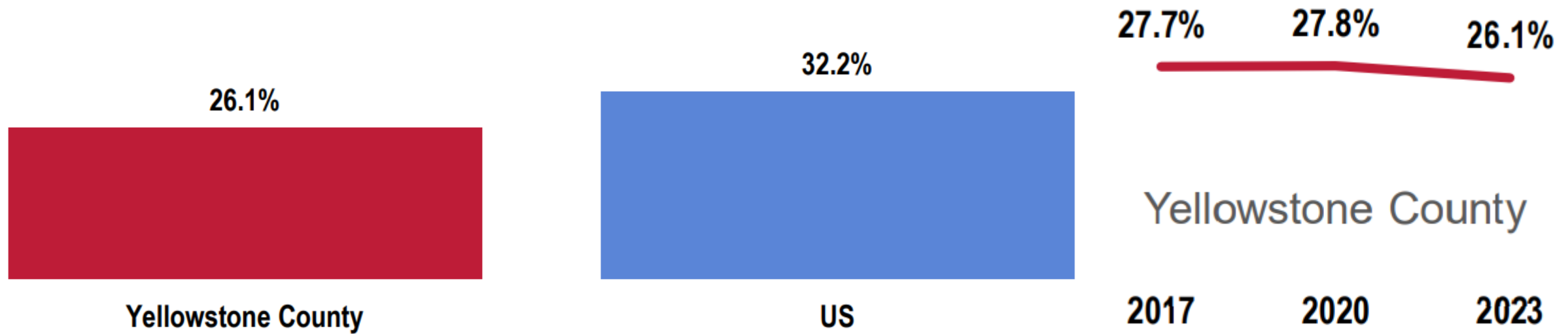
Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 332]
Notes: ● Asked of all respondents.

Frequency of Worry or Stress Over Paying Rent or Mortgage in the Past Year (Yellowstone County, 2023)



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 66]
Notes: ● Asked of all respondents.

“Always/Usually/Sometimes” Worried About Paying Rent/Mortgage in the Past Year

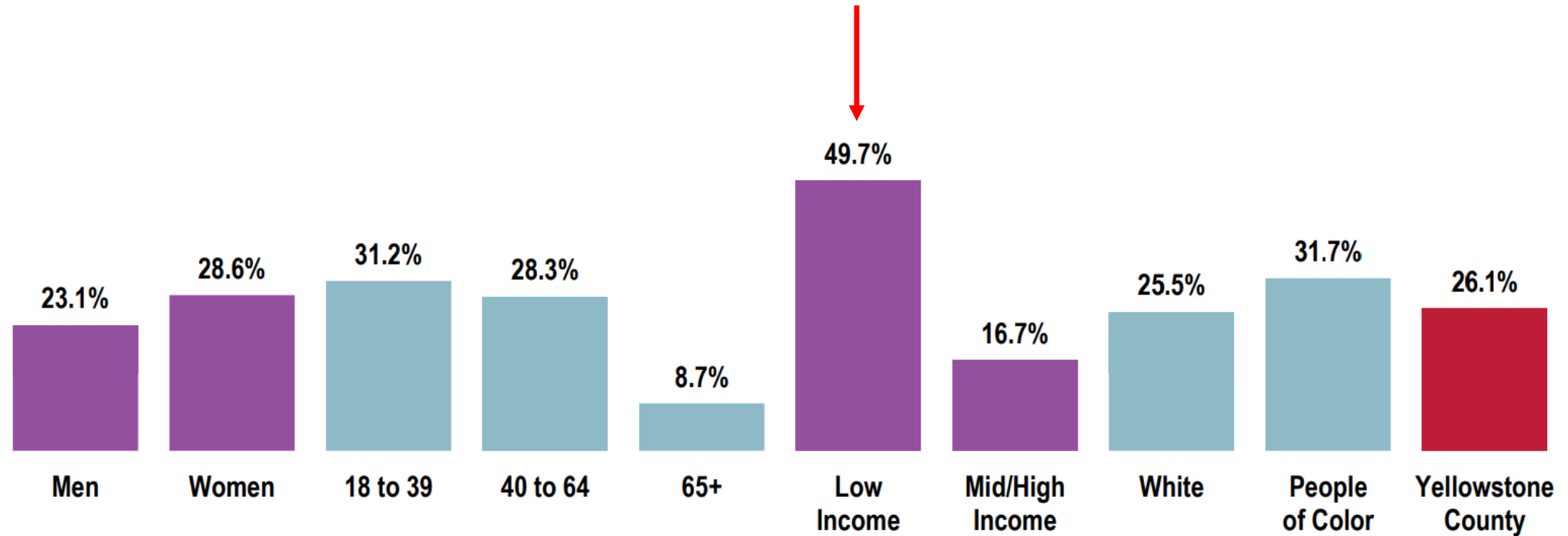


Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 66]

● 2020 PRC National Health Survey, PRC, Inc.

Notes: ● Asked of all respondents.

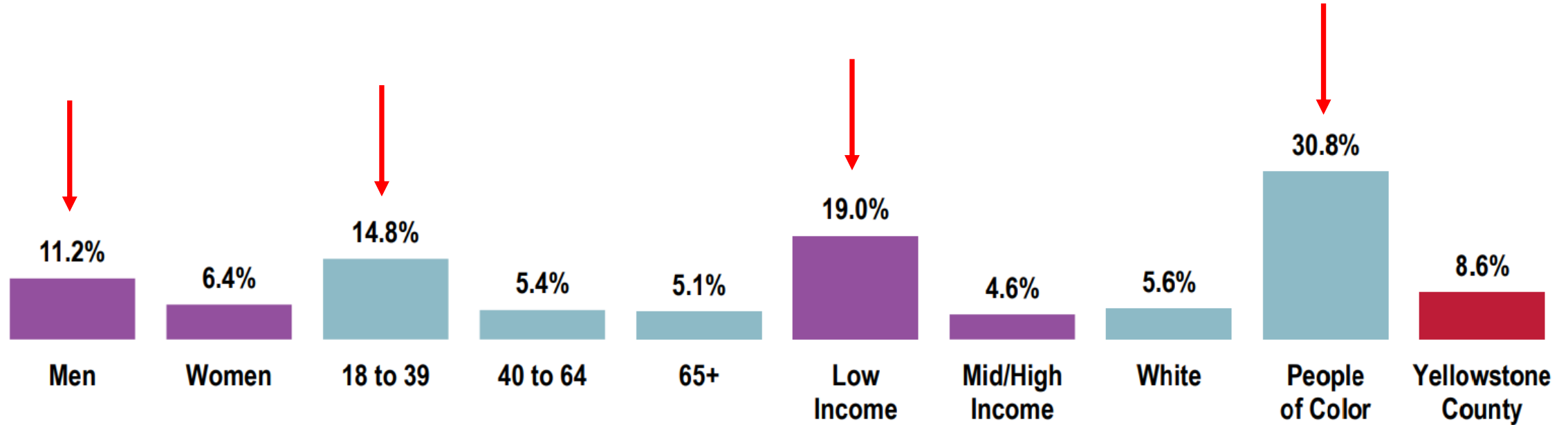
“Always/Usually/Sometimes” Worried About Paying Rent/Mortgage in the Past Year (Yellowstone County, 2023)



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 66]

Notes: ● Asked of all respondents.

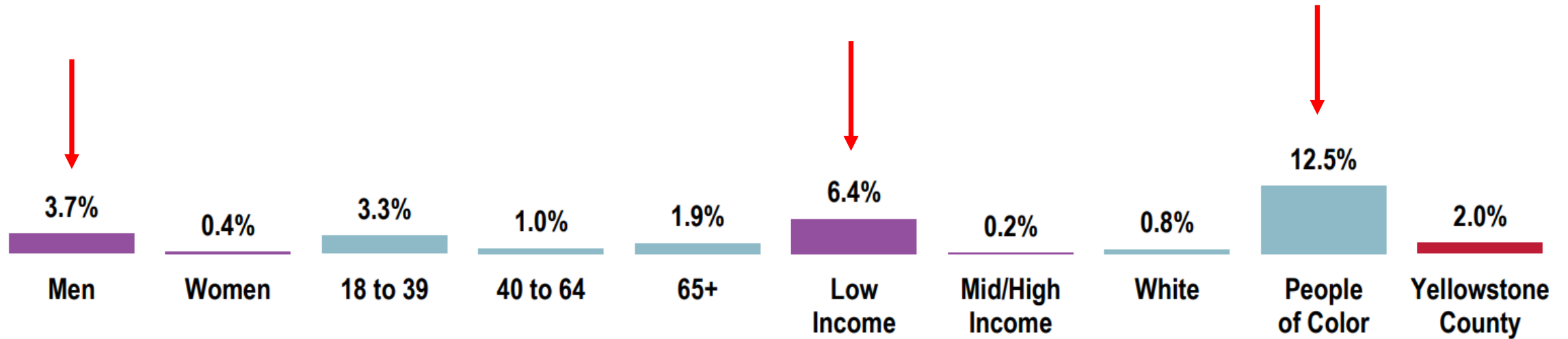
Lived With a Friend or Relative in the Past Two Years Because of an Emergency (Yellowstone County, 2023)



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 312]

Notes: ● Asked of all respondents.

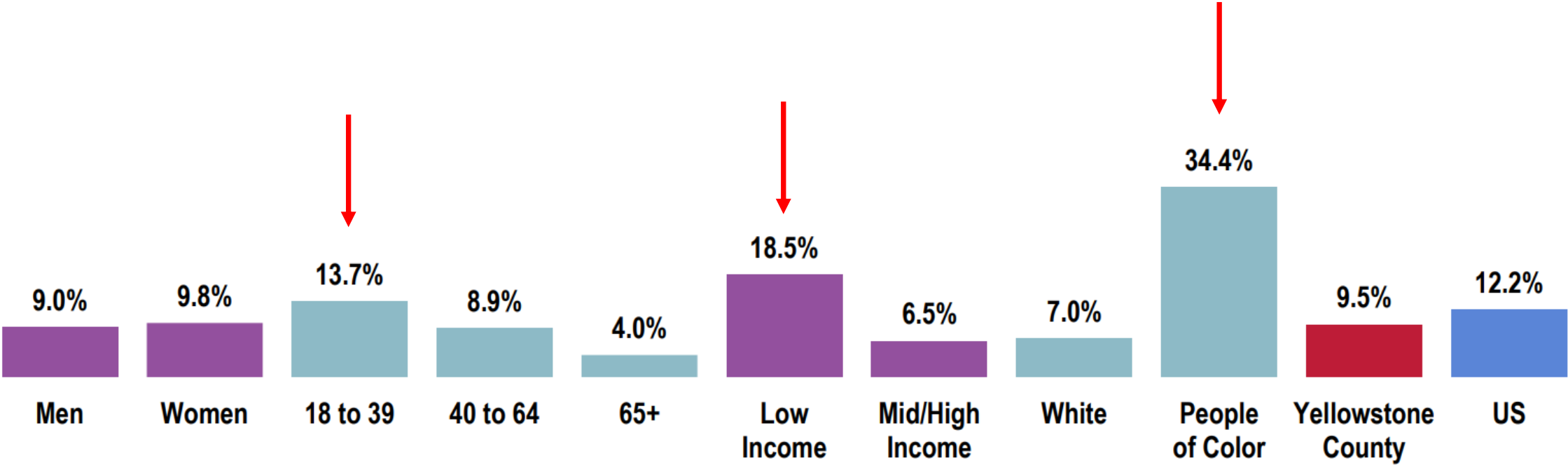
Lived in a Car or a Shelter in the Past Year (Yellowstone County, 2023)



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 313]

Notes: ● Asked of all respondents.

Unhealthy or Unsafe Housing Conditions in the Past Year (Yellowstone County, 2023)



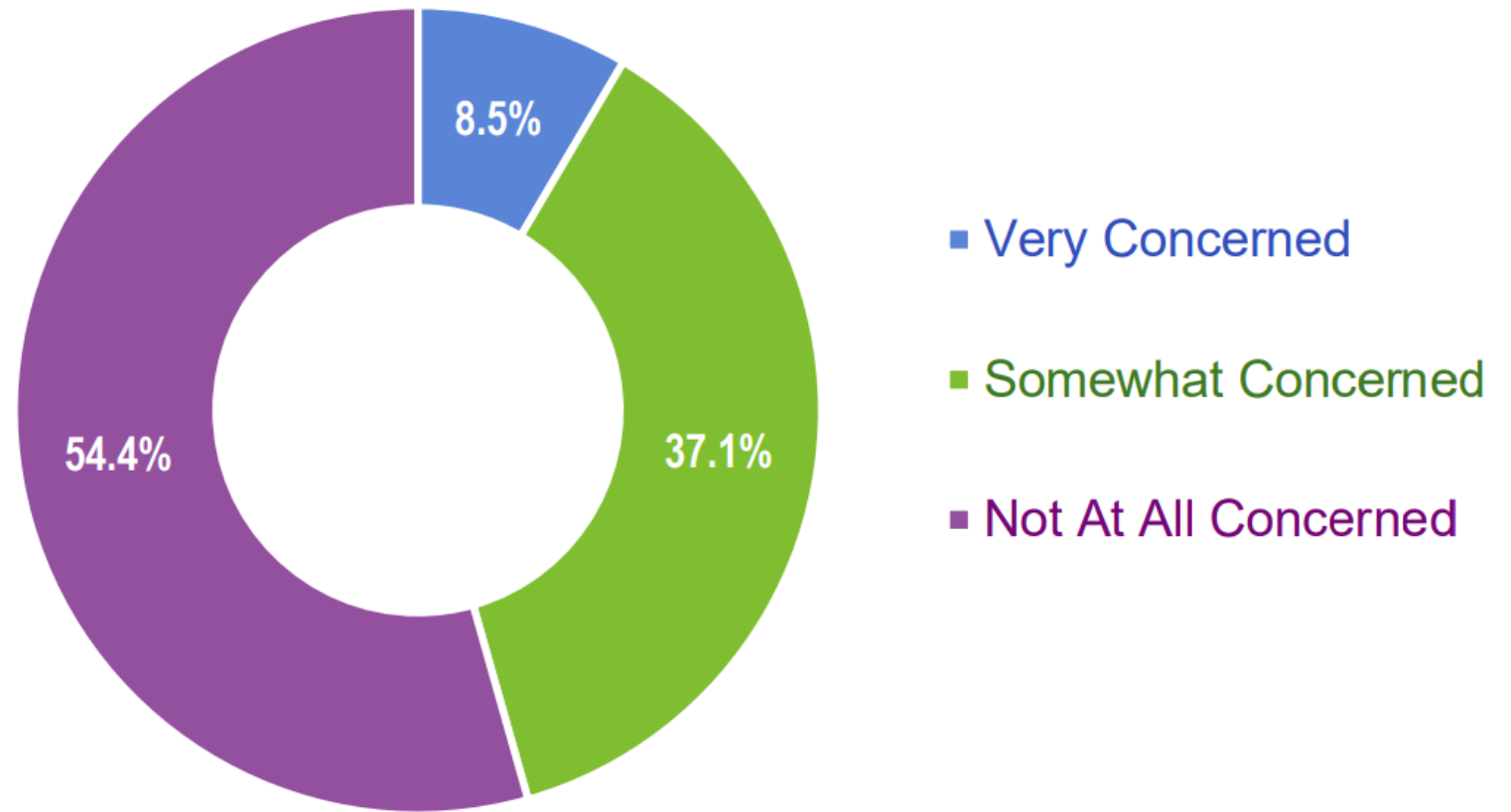
Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 65]

● 2020 PRC National Health Survey, PRC, Inc.

Notes: ● Asked of all respondents.

● Includes respondents who say they experienced ongoing problems in their current home with water leaks, rodents, insects, mold, or other housing conditions that might make living there unhealthy or unsafe.

Level of Concern Regarding Household Hazards and Safety (Yellowstone County, 2023)



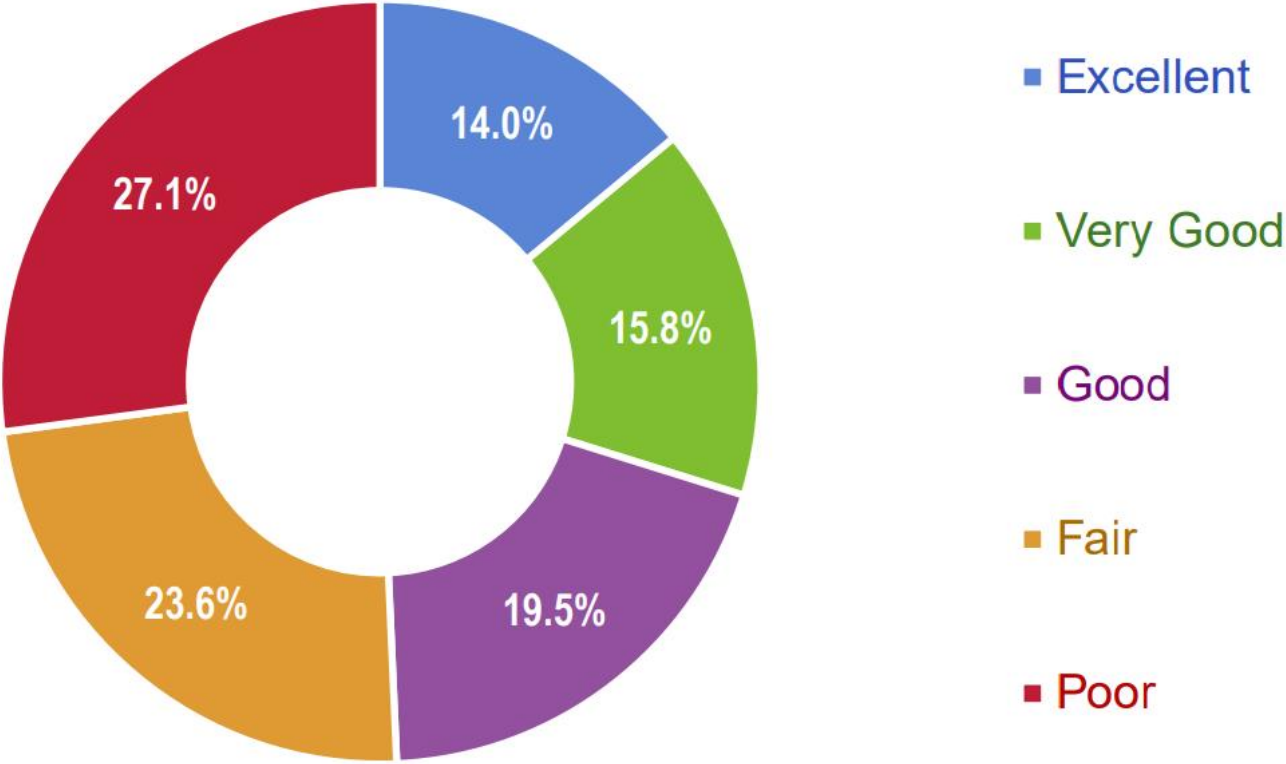
- Sources:
- 2023 PRC Community Health Survey, PRC, Inc. [Item 336]
- Notes:
- Asked of all respondents.
 - Household hazards include radon, mold, pests, lead, carbon monoxide, etc.

Rating of Availability of Affordable Child Care Services in the Community

(Yellowstone County Parents of Children <18, 2023)

“Fair/poor” response by age of child:

0 to 4 years	54.6%
5 to 12 years	44.6%
13 to 17 years	54.8%

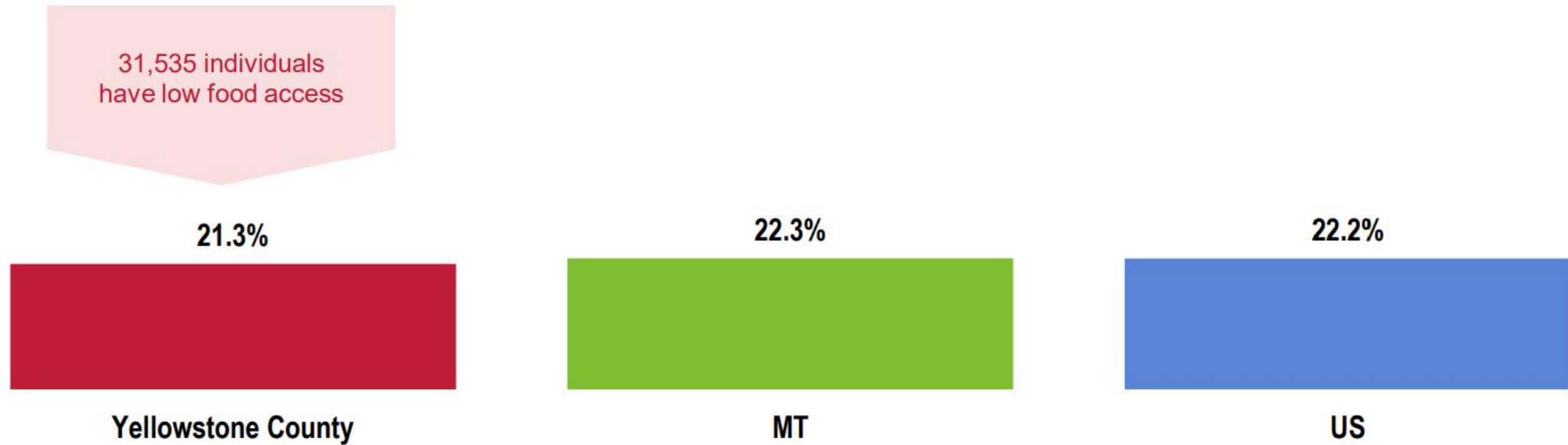


Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 341]

Notes: ● Asked of all respondents with a child under 18 at home.

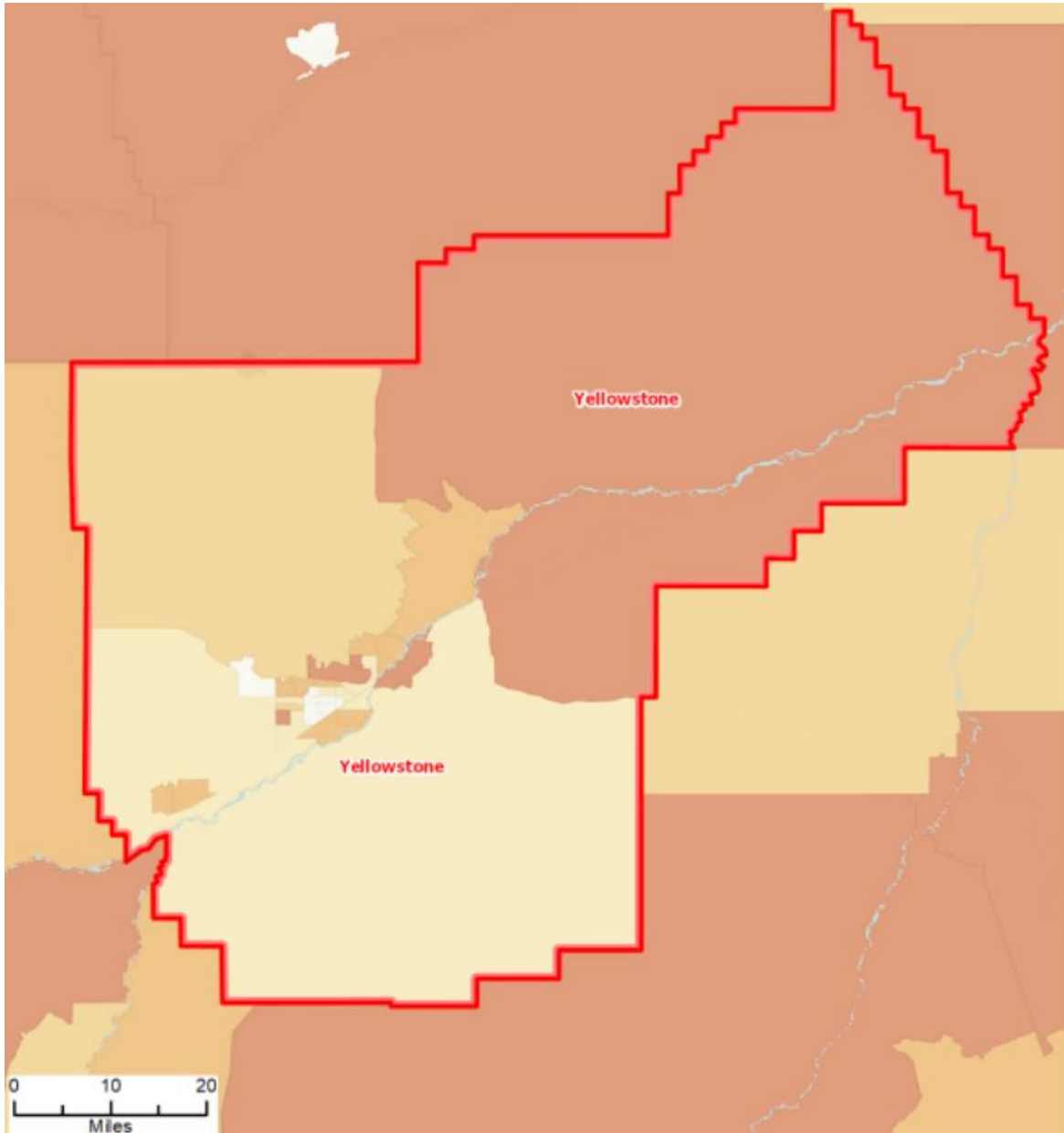
Population With Low Food Access

(Percent of Population That Is Far From a Supermarket or Large Grocery Store, 2019)



- Sources:
- US Department of Agriculture, Economic Research Service, USDA - Food Access Research Atlas (FARA).
 - Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved July 2022 via SparkMap (sparkmap.org).
- Notes:
- This indicator reports the percentage of the population with low food access. Low food access is defined as living more than ½ mile from the nearest supermarket, supercenter, or large grocery store. This indicator is relevant because it highlights populations and geographies facing food insecurity.

Limited Food Access Heat Map



Population with Limited Food Access, Percent
by Tract, USDA - FARA 2019



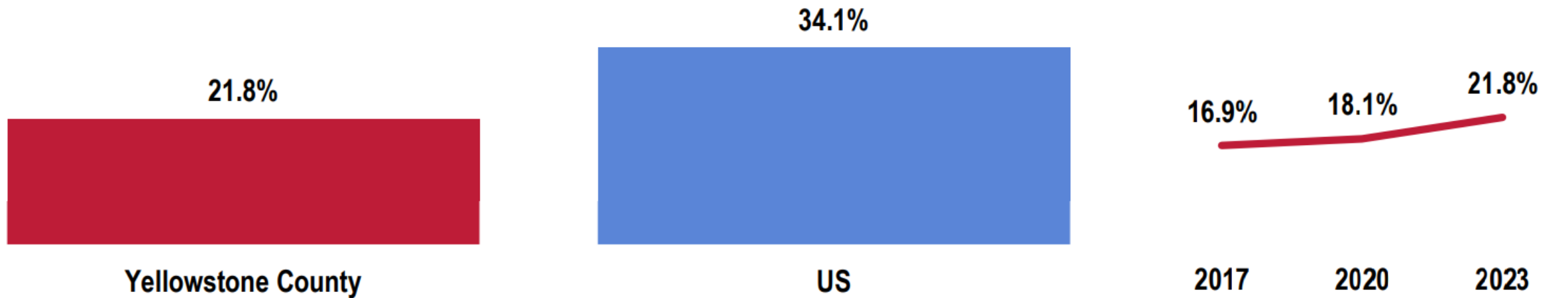
Map Legend

Report Location, County



SparkMap

Food Insecurity



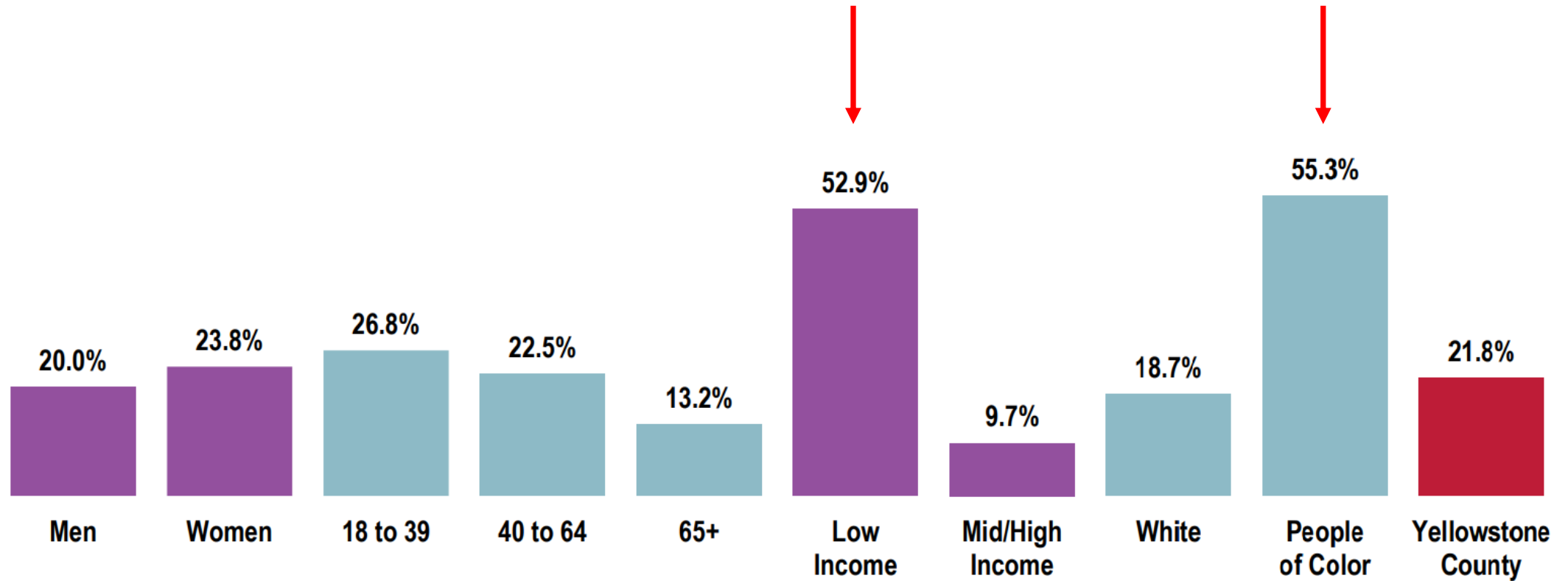
Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 112]

● 2020 PRC National Health Survey, PRC, Inc.

Notes: ● Asked of all respondents.

● Includes adults who A) ran out of food at least once in the past year and/or B) worried about running out of food in the past year.

Food Insecurity (Yellowstone County, 2023)

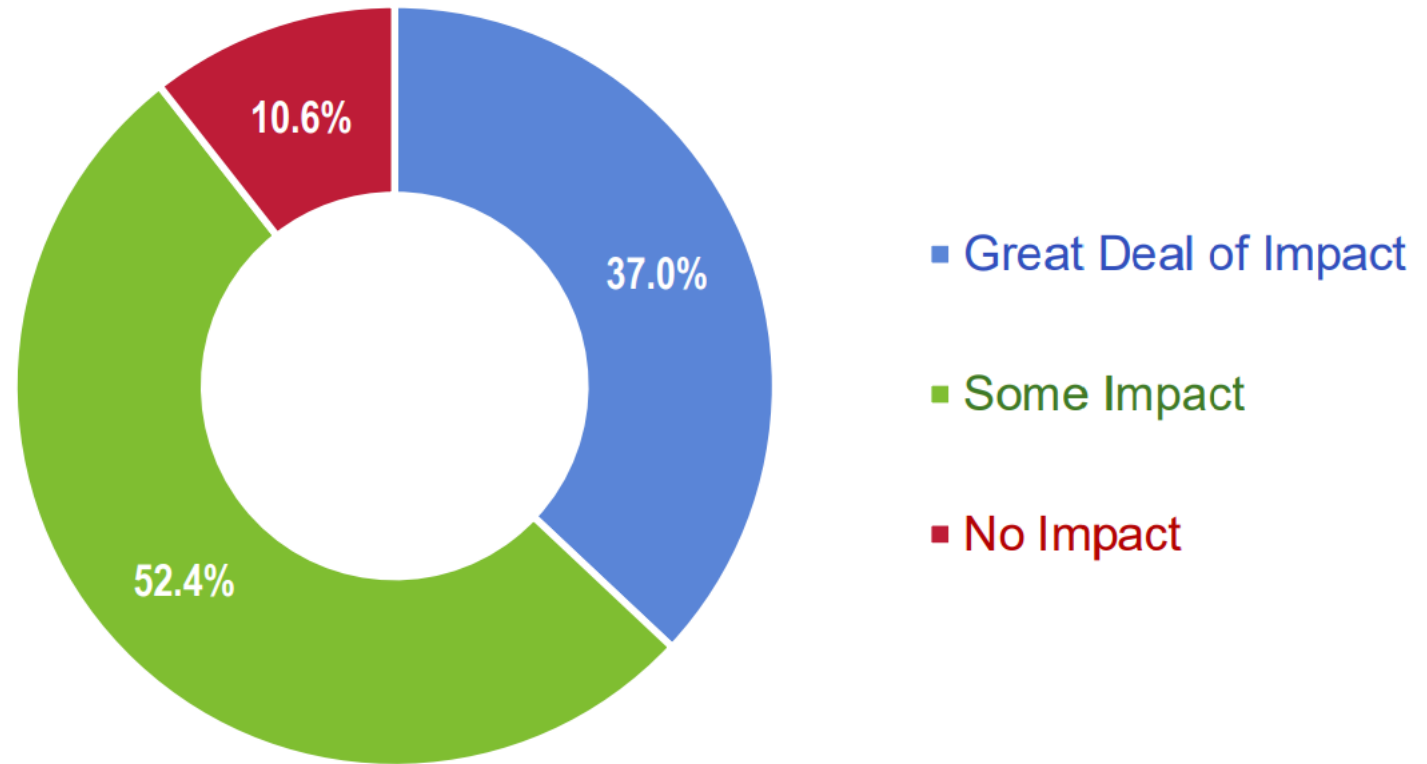


Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 112]

Notes: ● Asked of all respondents.

● Includes adults who A) ran out of food at least once in the past year and/or B) worried about running out of food in the past year.

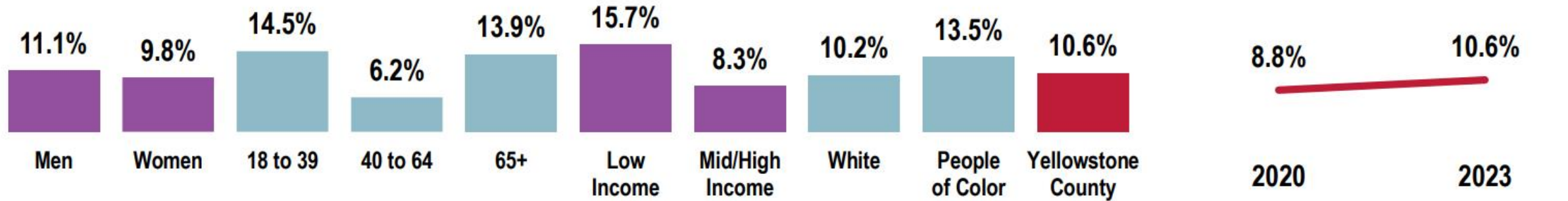
Perceived Degree of Impact on Making the Community a Better Place to Live (Yellowstone County, 2023)



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 333]

Notes: ● Asked of all respondents.

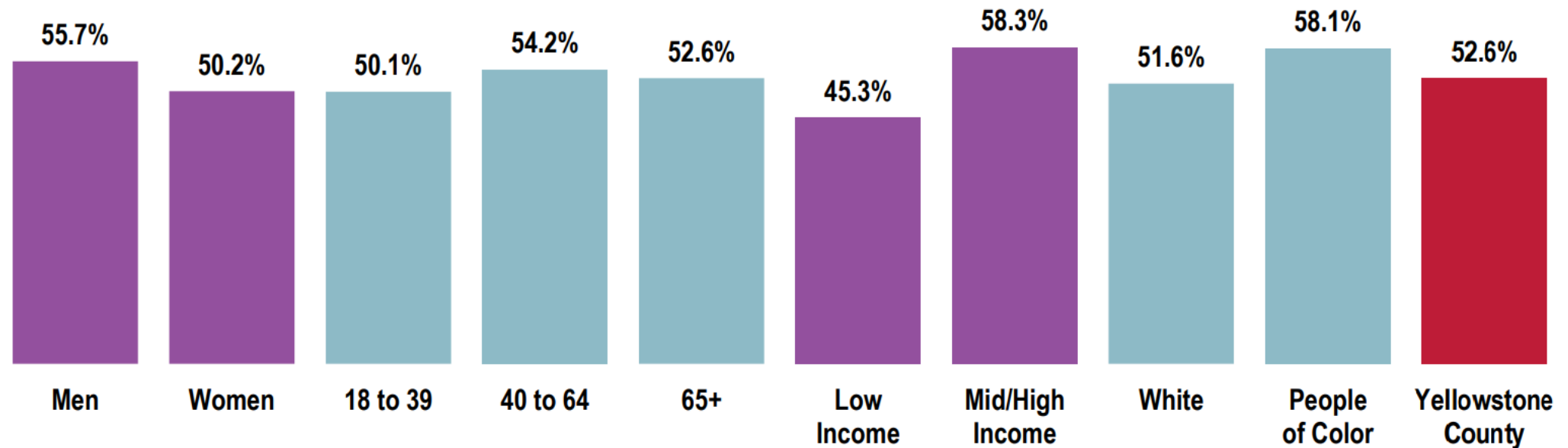
Have “No Impact” on Improving Life in the Community (Yellowstone County, 2023)



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 333]

Notes: ● Asked of all respondents.

Volunteered Time to Charitable Causes, Organizations, or Events Within the Past Year (Yellowstone County, 2023)

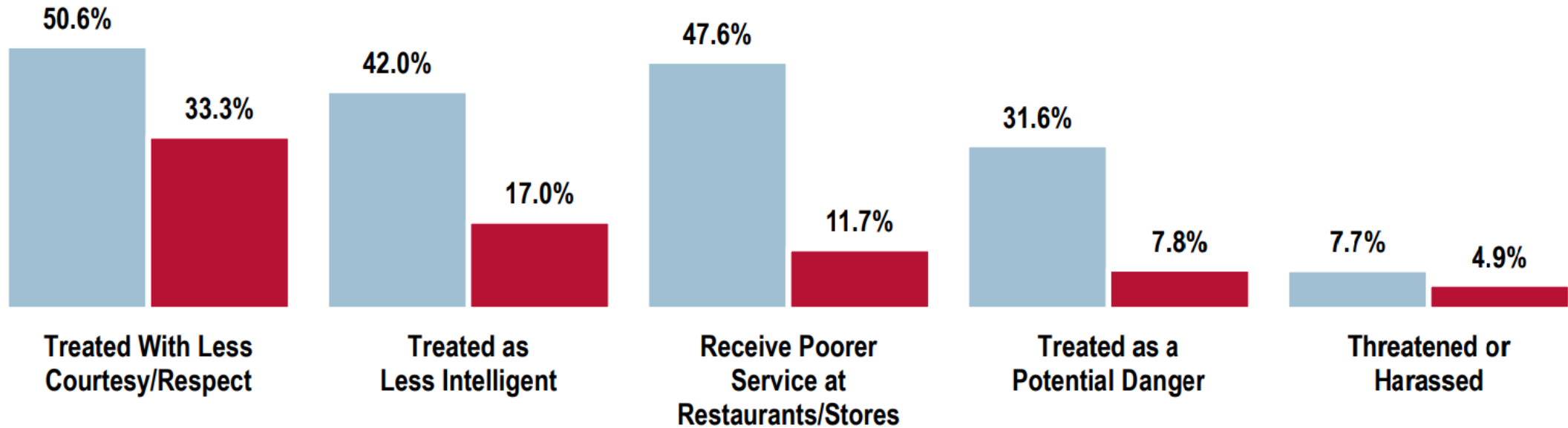


Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 335]

Notes: ● Asked of all respondents.

Perceptions of Unfair Treatment in Day-to-Day Life (Yellowstone County, 2023)

■ People of Color ■ Yellowstone County Overall



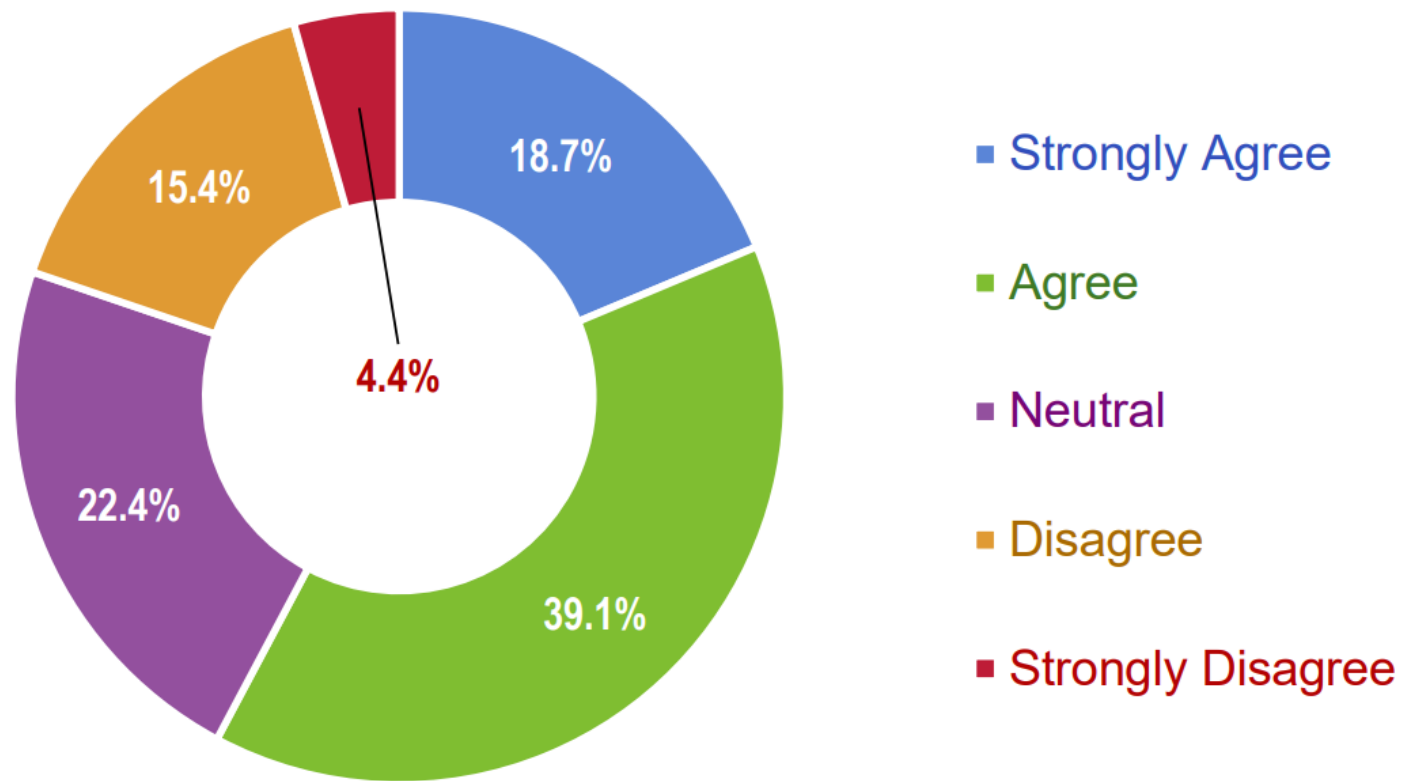
Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Items 319-323]

Notes: ● Asked of all respondents.

● Percentages represent combined responses of "Almost Every Day," "At Least Once a Week," and "A Few Times a Month."

Level of Agreement About the Community as a Welcoming Place for People of All Races and Ethnicities (Yellowstone County, 2023)

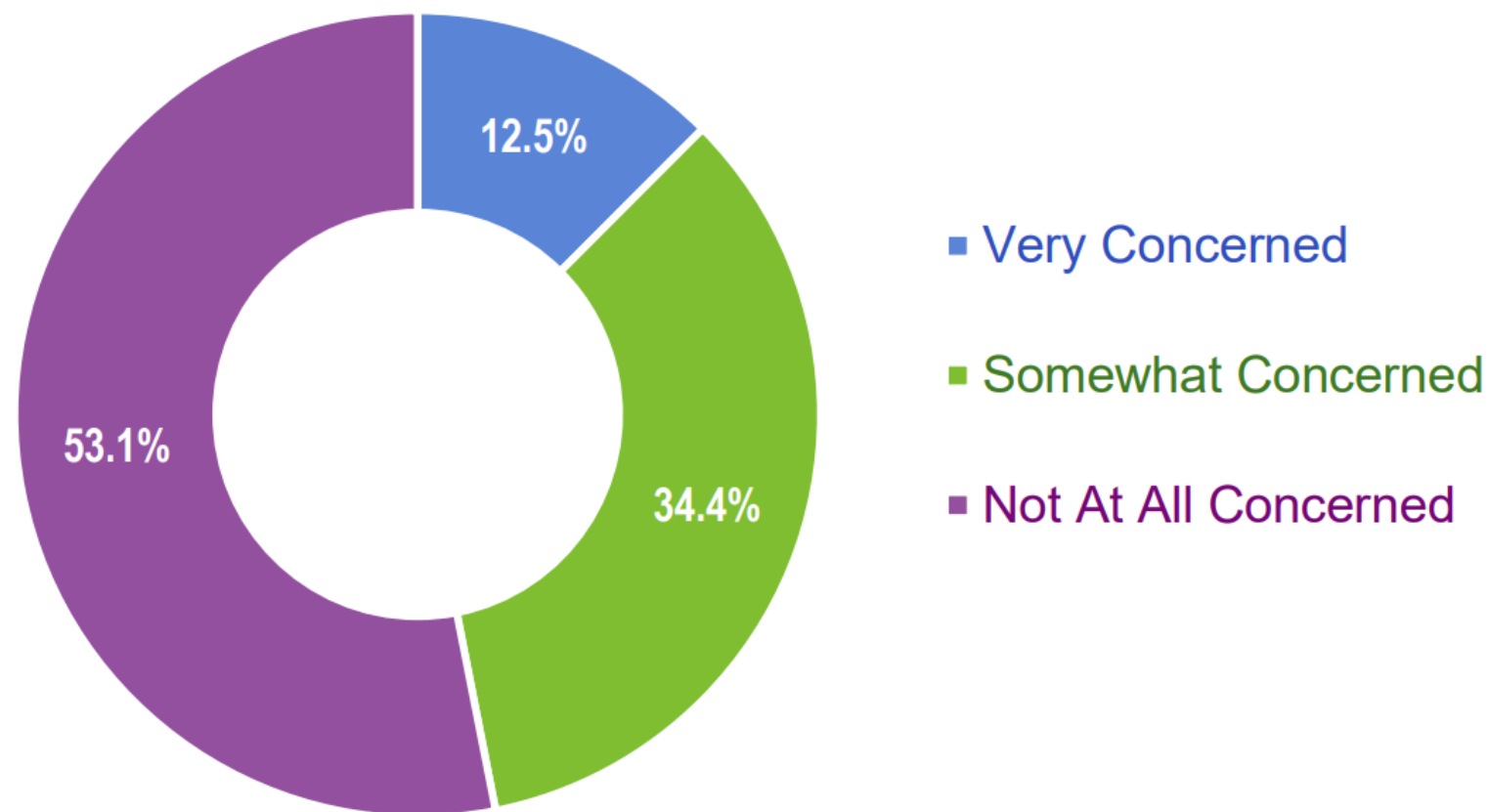
Among People of Color, 16.0% “disagree” or “strongly disagree” that the community is welcoming to all.



Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 334]

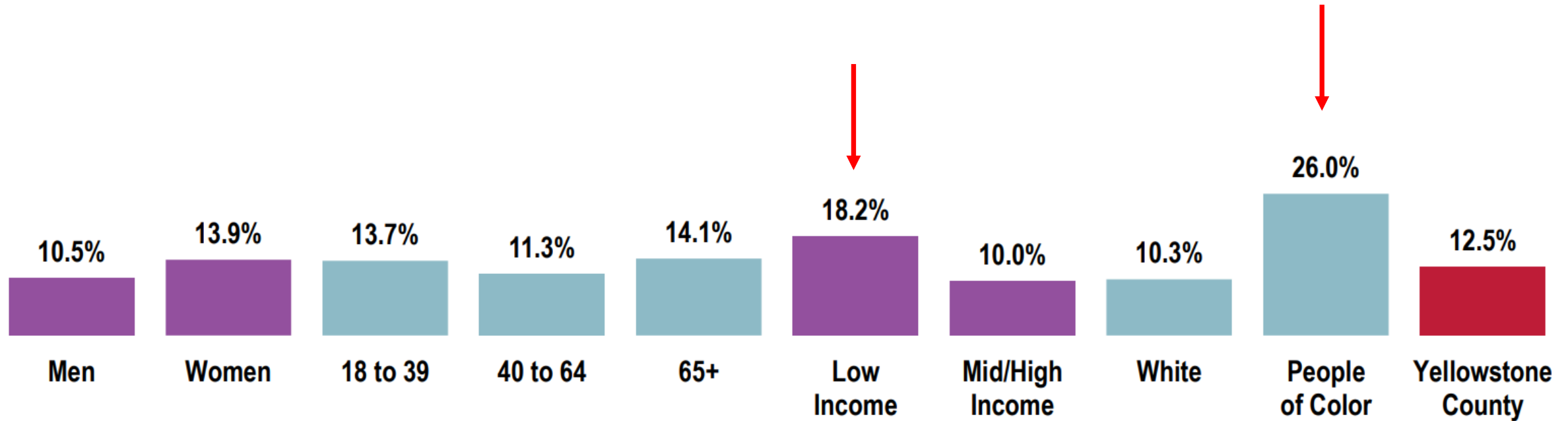
Notes: ● Asked of all respondents.

Level of Concern Regarding Environmental Safety in Schools (Yellowstone County, 2023)



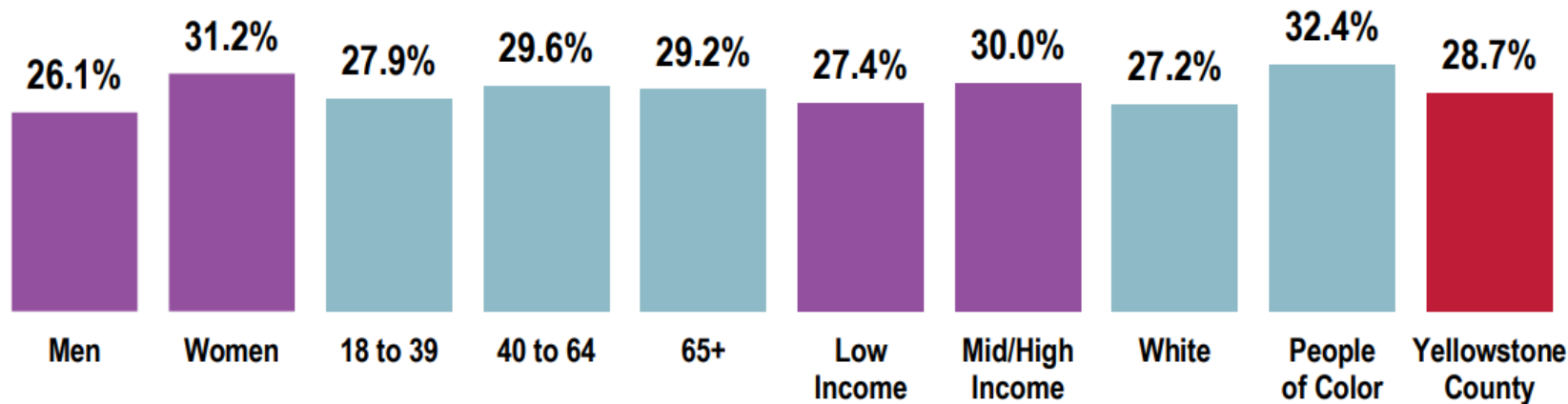
- Sources:
- 2023 PRC Community Health Survey, PRC, Inc. [Item 338]
- Notes:
- Asked of all respondents.
 - Safety concerns include indoor air quality, food, playgrounds, chemistry labs, etc.

“Very Concerned” About Environmental Safety in Schools (Yellowstone County, 2023)

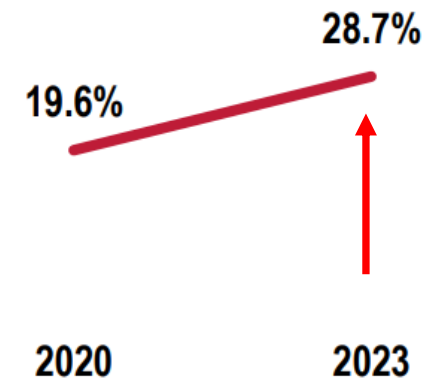


- Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 338]
- Notes: ● Asked of all respondents.
● Safety concerns include indoor air quality, food, playgrounds, chemistry labs, etc.

Awareness of Montana 2-1-1 (Yellowstone County, 2023)

















Yellowstone County








Sources: ● 2023 PRC Community Health Survey, PRC, Inc. [Item 309]



- Notes:
- Asked of all respondents.
 - Montana 2-1-1 was defined as a website and phone number designed to connect people who live in Montana with information and help from state and local resources anonymously and for free. Food or housing assistance, child care, crisis counseling, and substance abuse treatment were given as examples of services that could be accessed.

Health Forecast - Social Determinants of Health

SOCIAL DETERMINANTS	Yellowstone County	vs. MT	vs. US	vs. HP2030	TREND
Linguistically Isolated Population (Percent)	0.3	 0.3	 4.1		
Population in Poverty (Percent)	9.6	 12.8	 12.8	 8.0	
Children in Poverty (Percent)	11.5	 15.2	 17.5	 8.0	
No High School Diploma (Age 25+, Percent)	5.2	 6.0	 11.5		
Unemployment Rate (Age 16+, Percent)	2.5	 2.6	 3.8		 5.2
% Unable to Pay Cash for a \$400 Emergency Expense	16.2		 24.6		

Health Forecast - Social Determinants of Health

SOCIAL DETERMINANTS	Yellowstone County	vs. MT	vs. US	vs. HP2030	TREND
% Worry/Stress Over Rent/Mortgage in Past Year	26.1		 32.2		 27.7
% Financially Impacted by the Pandemic	22.6				
% Unhealthy/Unsafe Housing Conditions	9.5		 12.2		
% "Very Concerned" About Household Hazards	8.5				
% Lived with Friend/Relative Due to Housing Emergency in Past 2 Yrs	8.6				
% Lived in a Car or Shelter in the Past Year	2.0				
% Food Insecure	21.8		 34.1		 16.9

SOCIAL DETERMINANTS	Yellowstone County	vs. MT	vs. US	vs. HP2030	TREND
% Regularly Treated With Less Respect Than Others	33.3				
% Regularly Receive Poorer Service Than Others at Restaurants/Stores	11.7				
% Regularly Treated as Less Intelligent Than Others	17.0				
% Regularly Treated as a Potential Danger	7.8				
% Regularly Threatened/Harassed	4.9				
% Disagree That the Community is Welcoming to All	19.8				
% Have "No Impact" on Improving Community Life	10.6				 8.8
% Volunteered in the Past Year	52.6				
% Aware of Montana 2-1-1	28.7				 19.6

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

