NMDOH
NEW MEXICO DEPARTMENT OF HEALTH

2019 New Mexico Youth Risk and Resiliency Survey (YRRS)

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

YOUTH AT HIGH RISK
OSAP Recipient Meeting
February 17, 2021

Dan Green, Epidemiology and Response Division, NM Department of Health
Courtney FitzGerald, Prevention Research Center, UNM

What is the YRRS?

- Biennial survey of public High School and Middle School students
- Partners
  - CDC Division of Adolescent and School Health
  - NM Department of Health
  - NM Public Education Department
  - UNM Prevention Research Center
  - NM Behavioral Health Services Division (BHSD)
  - Albuquerque Area Southwest Tribal Epidemiology Center (AASTEC)
    - Tribes
  - Navajo Nation YRBS (Indian Health Board & Department of Health)
  - **<u>* School Districts and Schools *</u>**

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

Types of Information Collected with the YRRS

- Injury
- Violence and bullying
- Mental health and suicidal behaviors
- Tobacco Use
- Alcohol and Drug Use
- Sexual activity
- Physical activity and Nutrition
- Resiliency/Protective Factors
- Health Outcomes
  - Asthma
  - Obesity
- Demographic characteristics

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

YRRS: What can it tell us?

It CAN tell us…

- *What* kids are doing
- Associations
- Trends
- General information about groups of kids

It CAN'T tell us…

- *Why* they do it
- Causes
- Predictions
- Specific information about individual kids

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

2019 YRRS Participation

- **Middle School**
  - ~20,000 respondents
  - Response rate = **74%**

- **High School**
  - ~19,000 respondents
  - Response rate = **70%**

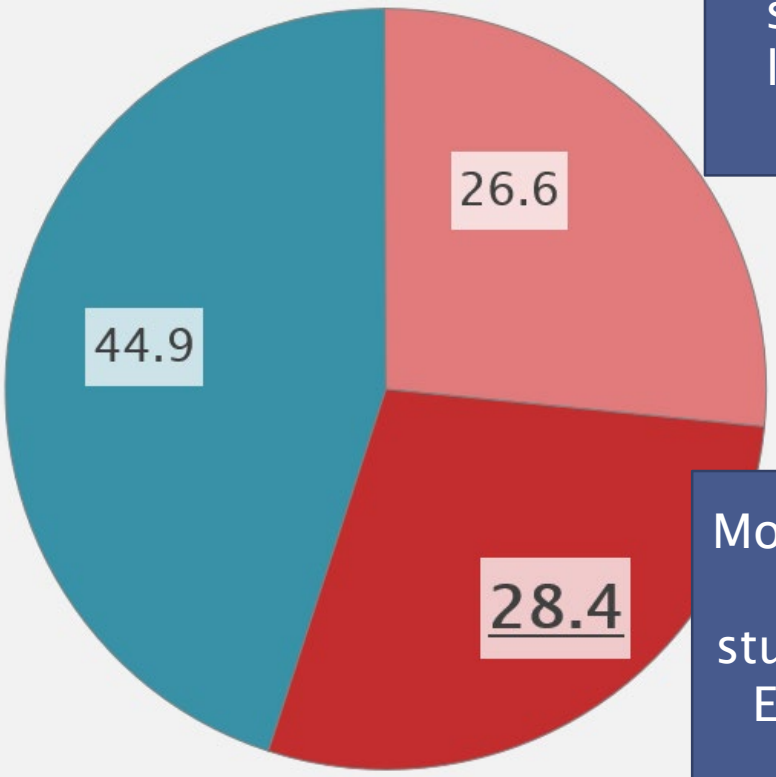
NMYRRS
YOUTH RISK & RESILIENCY SURVEY

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

Youth at High Risk

- Born outside the US
- Homeless
- Physical disabilities
- Lesbian, gay, or bisexual
- Transgender, Genderqueer, Genderfluid

Matching Game

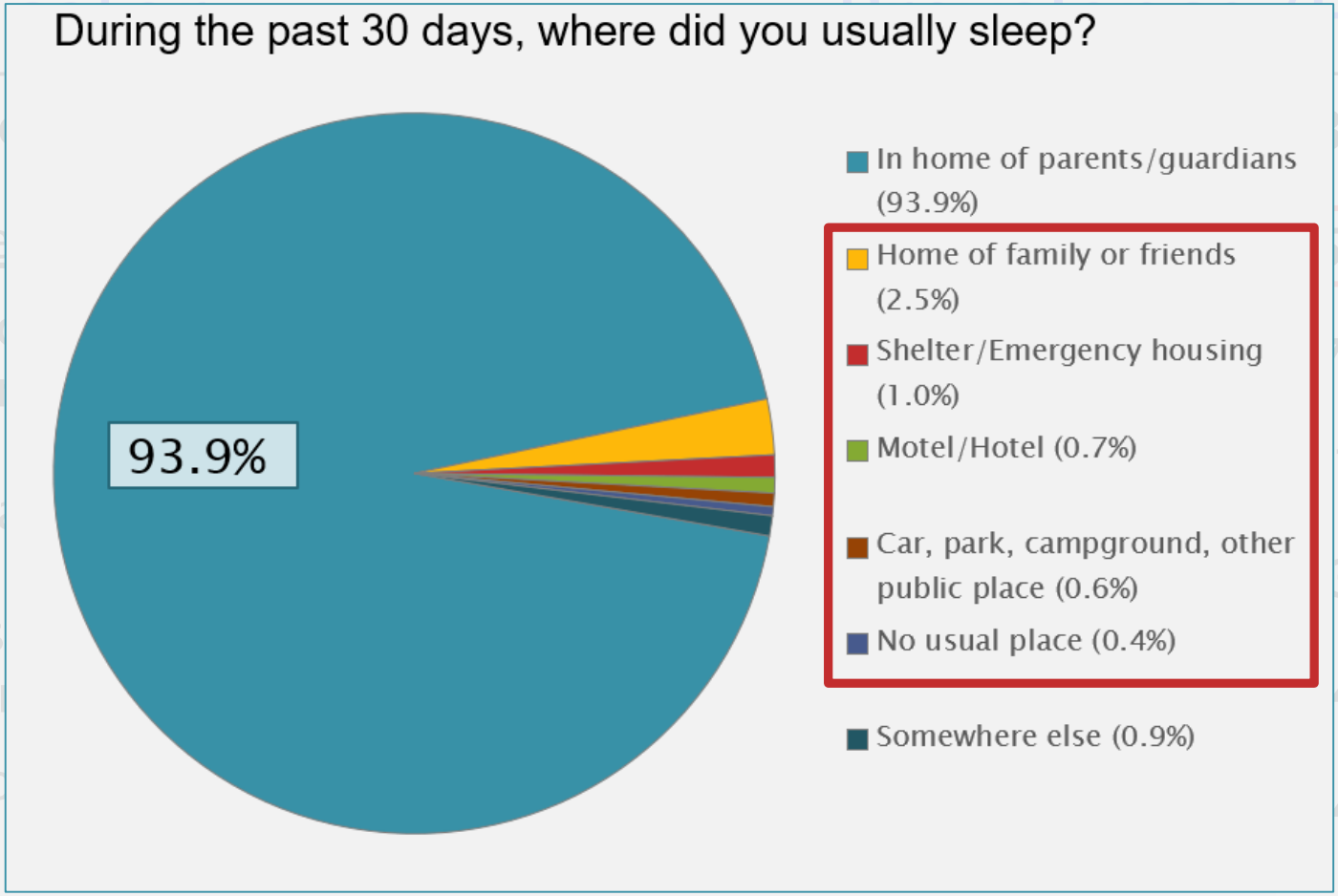


More than <u>50%</u> of foreign-born students spoke a non-English language at home at least half the time

More than <u>one-quarter</u> of foreign-born students spoke a non-English language at home <u>all the time</u>

NM YRRS
YOUTH RISK & RESILIENCY SURVEY

Matching Game



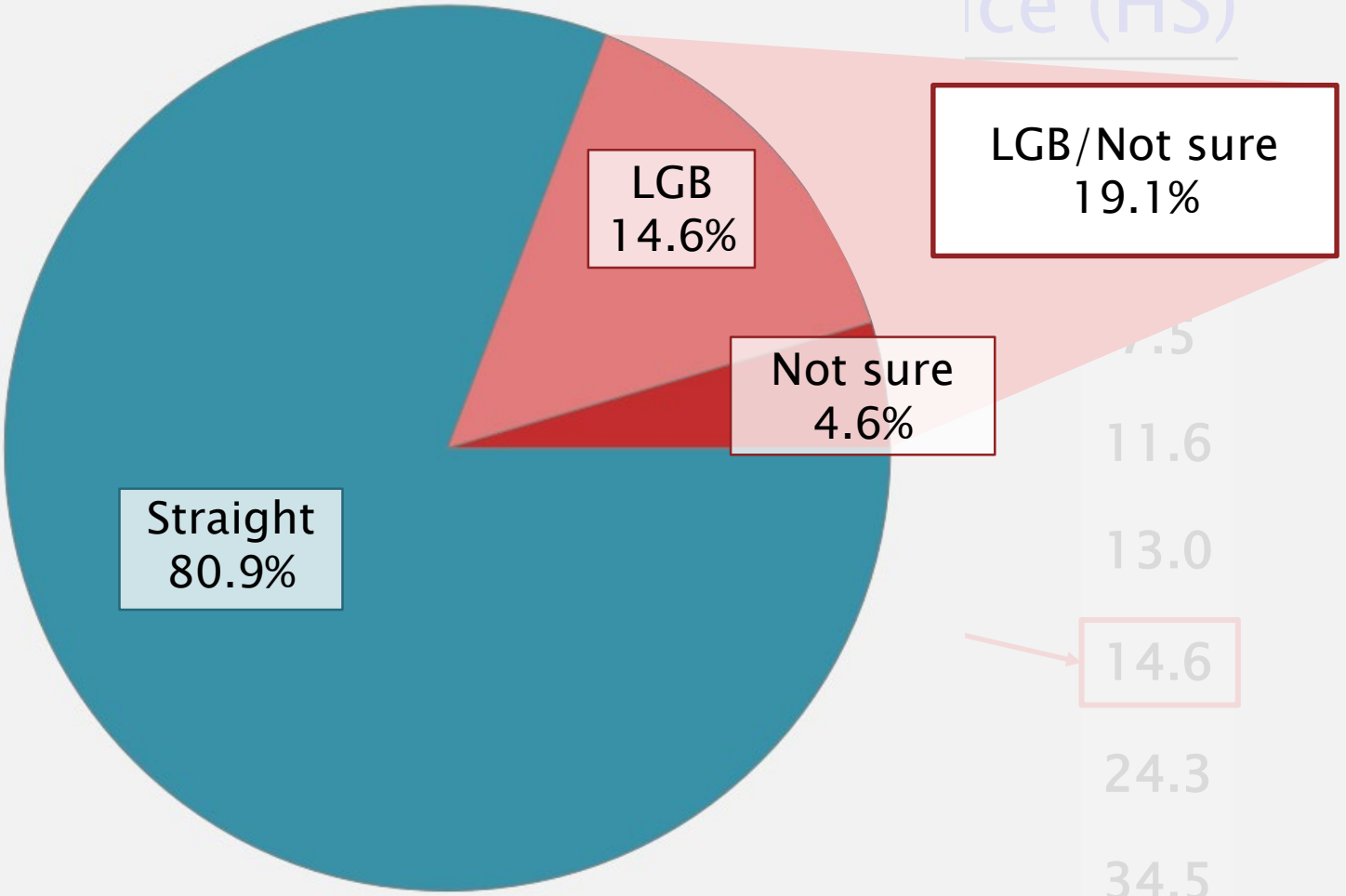
Matching Game

Indicator	Prevalence (HS)
Born outside the USA	3.2
Homele	5.2
Physical or Long	7.5
Lesbian	11.6
	13.0
Transgender, genderqueer, or genderfluid (TGQF)	14.6
One or more of these characteristics	24.3
	34.5

Do you have any physical disabilities or long-term health problems? (Long-term means 6 months or more.)

NM YRRS YOUTH RISK & RESILIENCY SURVEY

Matching Game



Matching Game

Indicator	Prevalence (HS)
Born outside the USA	3.2
Homeless	5.2
Physical disabilities or Long-term health problems	7.5
Lesbian, gay, or bisexual	13.0
Transgender, genderqueer, or genderfluid (TGQF)	14.6
One or more of these characteristics	24.3
	34.5

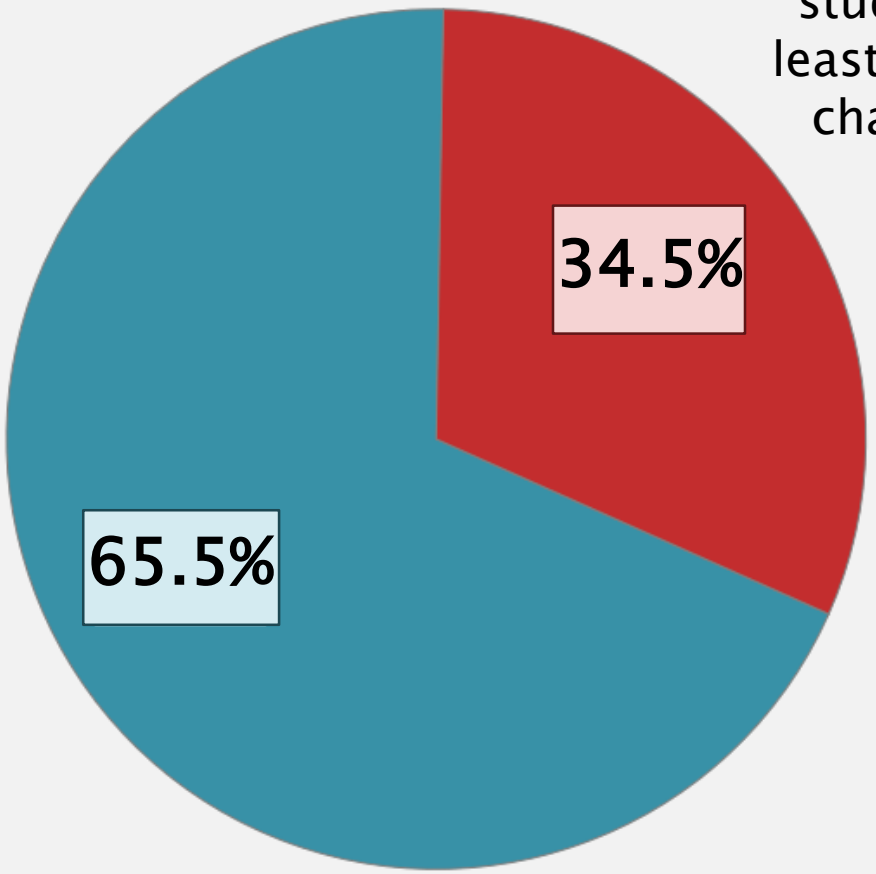
TGQF = 3.2%
Not sure = 2.8%

TGQF / Not sure
6.0%

NM YRRS
YOUTH RISK & RESILIENCY SURVEY

Matching Game

Just over 1/3 of all students had at least one of these characteristics



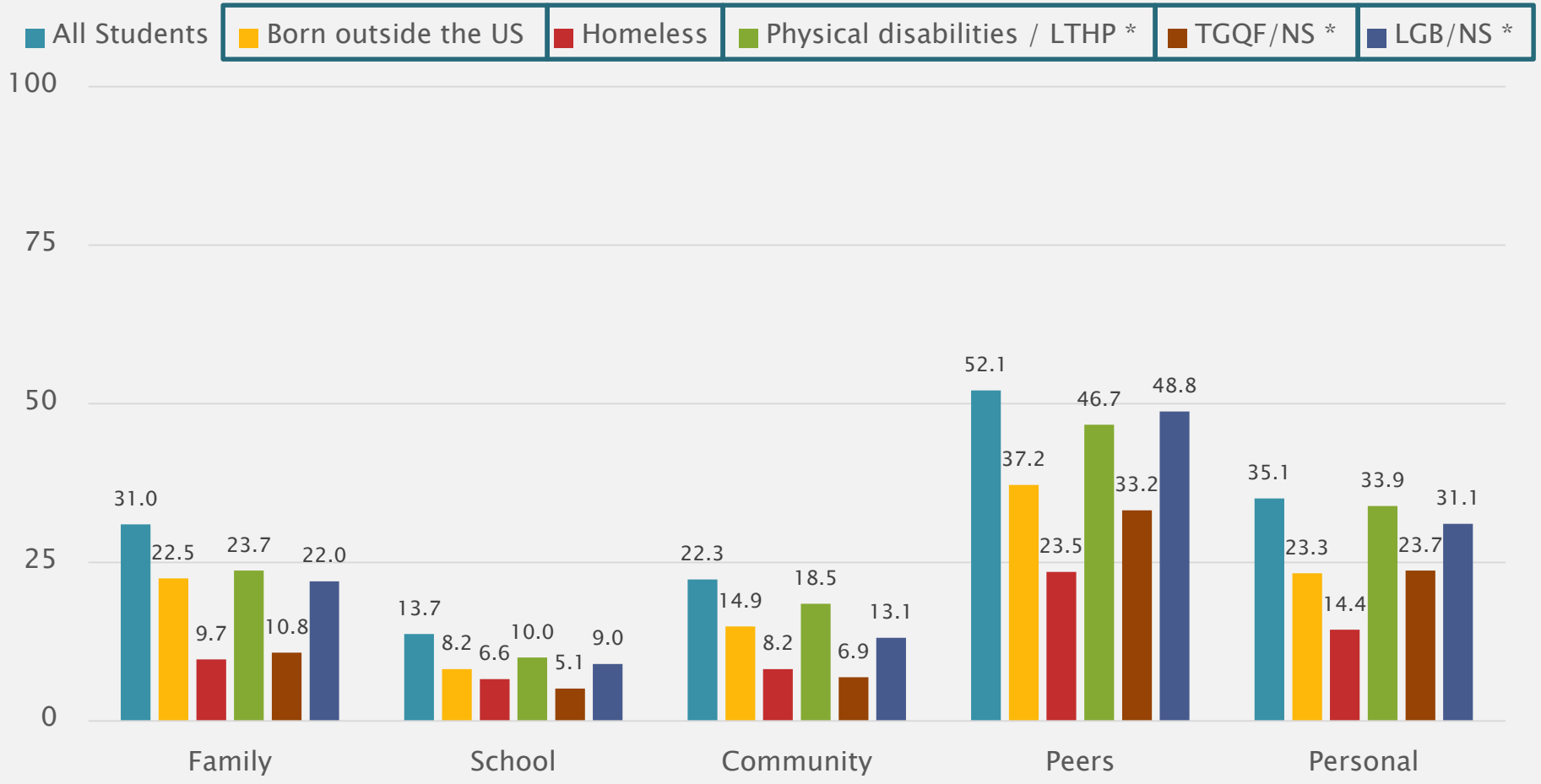
NM YRRS YOUTH RISK & RESILIENCY SURVEY

Matching Game

Indicator	Prevalence (HS)
Lesbian, gay, or bisexual	14.6
Transgender, genderqueer, or genderfluid (TGQF)	3.2
Homeless	5.2
Physical disabilities or Long-term health problems	13.0
Born outside the USA	7.5
One or more of these characteristics	34.5

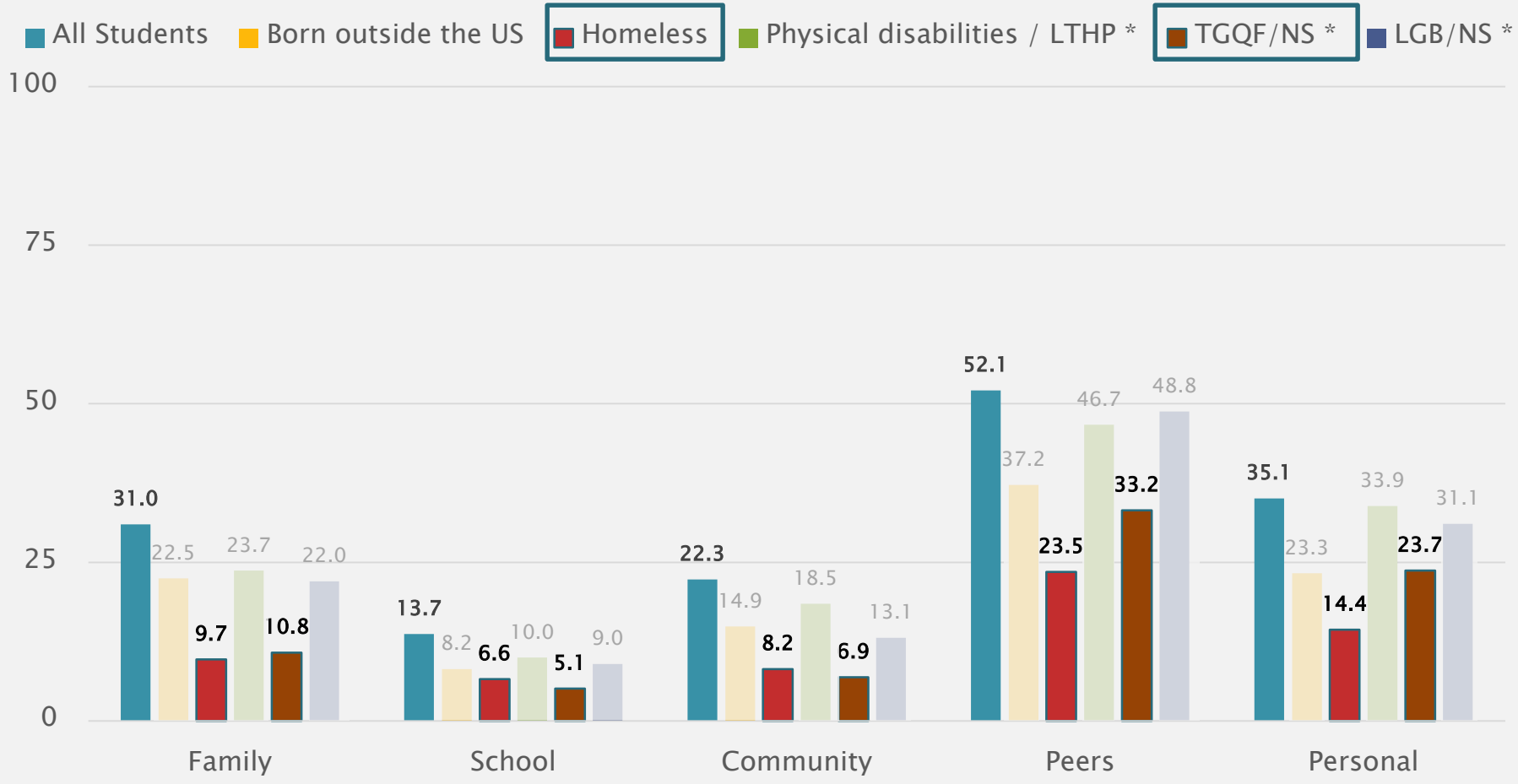
NM YRRS
YOUTH RISK & RESILIENCY SURVEY

Highest Level of Resiliency Factors by High-Risk Groups, Grades 9-12, 2019, NM



* *LTHP – Long term health problems*
TGQF/NS – Transgender, genderqueer, genderfluid, or Not sure of gender identity
LGB/NS – Lesbian, gay, bisexual or Not sure of sexual identity

Highest Level of Resiliency Factors by High-Risk Groups, Grades 9-12, 2019, NM



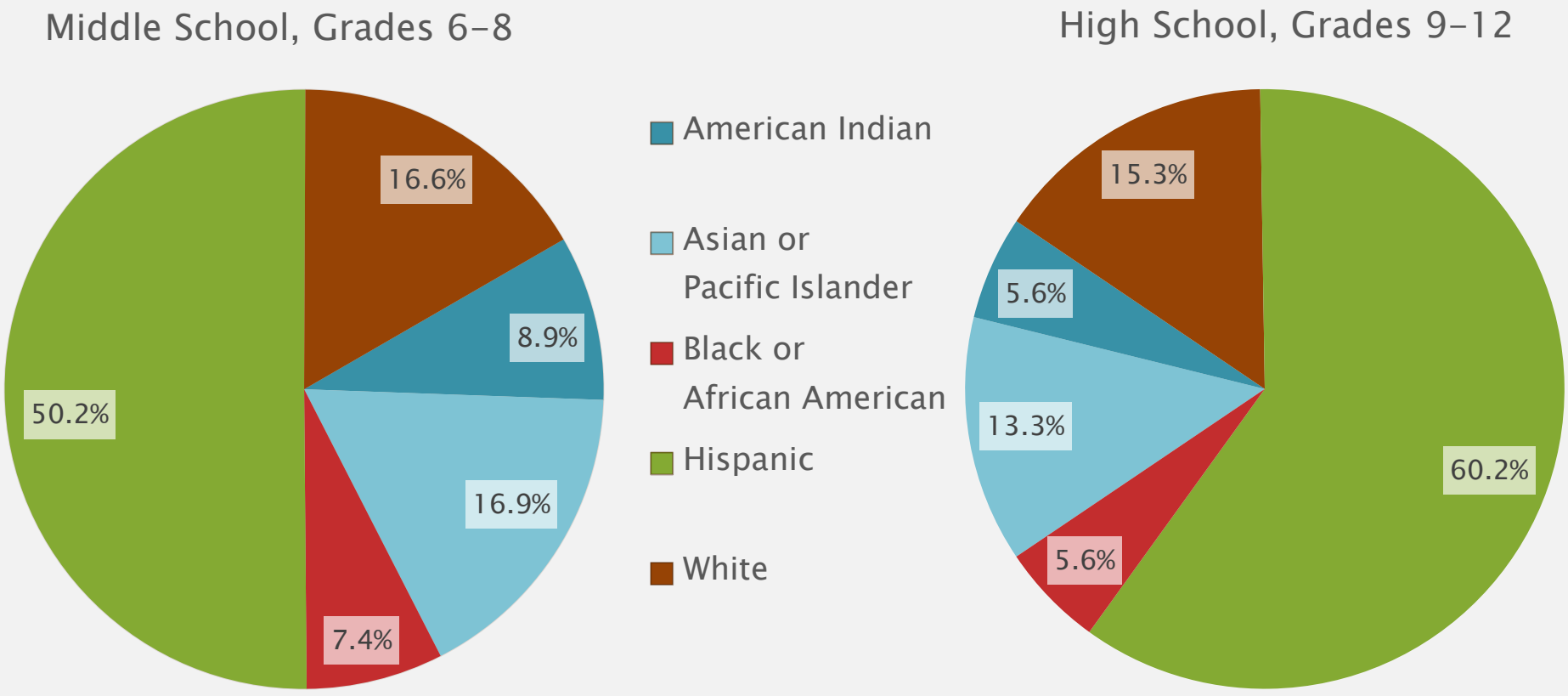
* *LTHP – Long term health problems*
TGQF/NS – Transgender, genderqueer, genderfluid, or Not sure of gender identity
LGB/NS – Lesbian, gay, bisexual or Not sure of sexual identity

Students Born Outside the United States

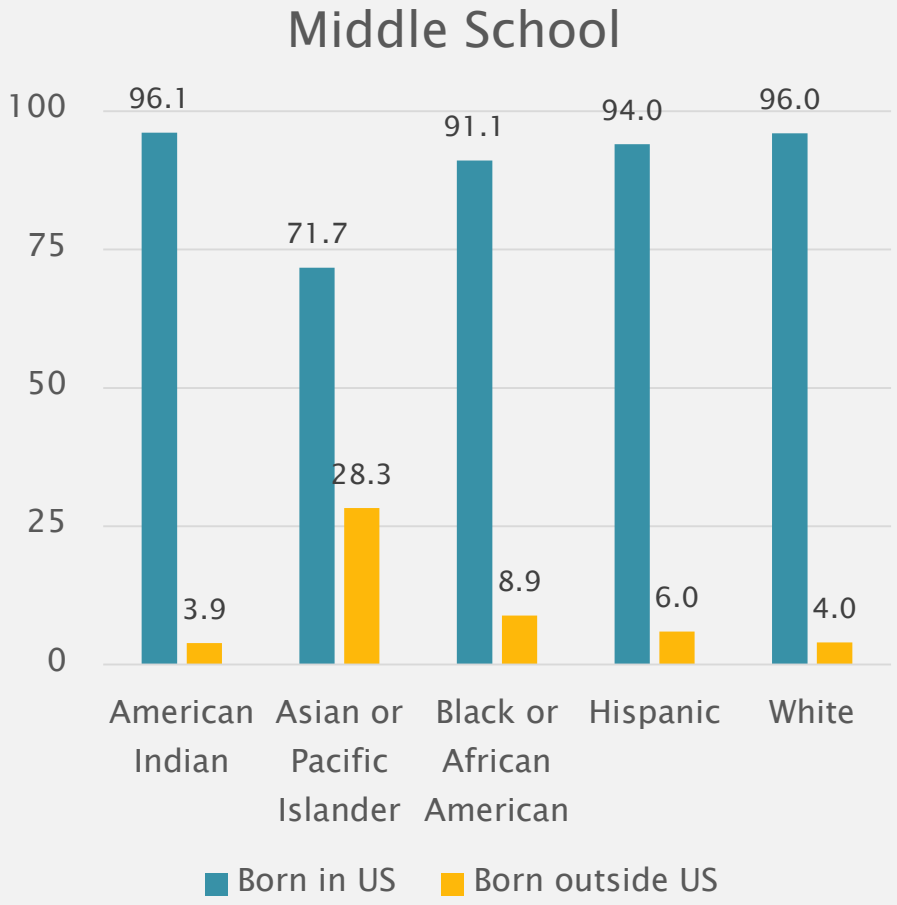
- Were you born in the USA? (Yes/No)
- We know
  - Race/ethnicity
  - Whether predominant language is English or another language
- We don't know
  - What country students were born in
  - How long they lived in the U.S.
  - What non-English language students speak
  - Other cultural characteristics

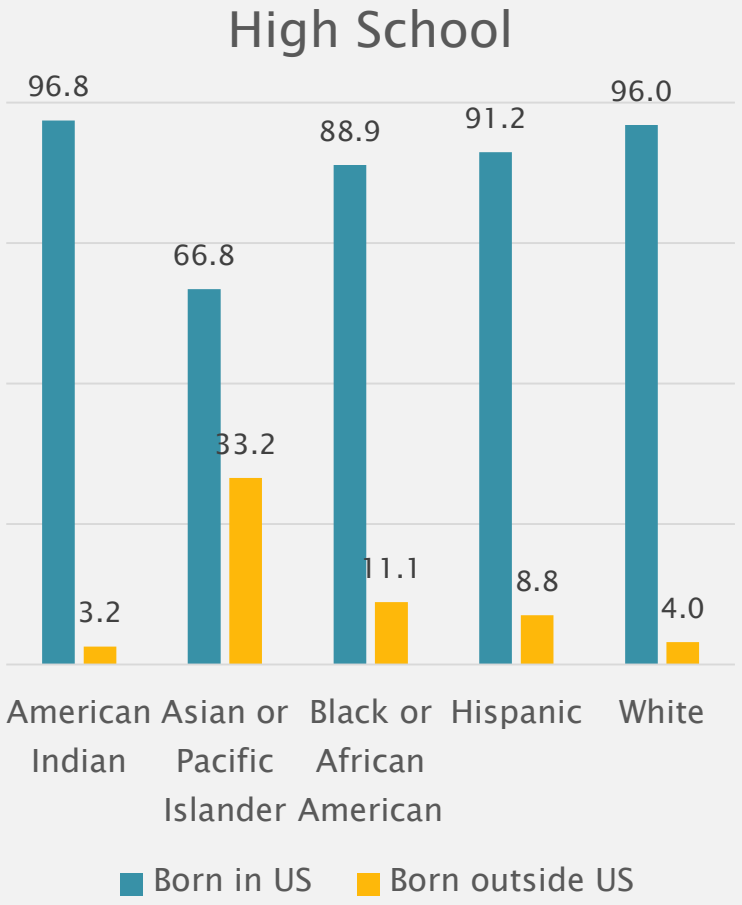
NMYRRS
YOUTH RISK & RESILIENCY SURVEY

Race/ethnicity of Students Born Outside the U.S. Middle School and High School, NM, 2019

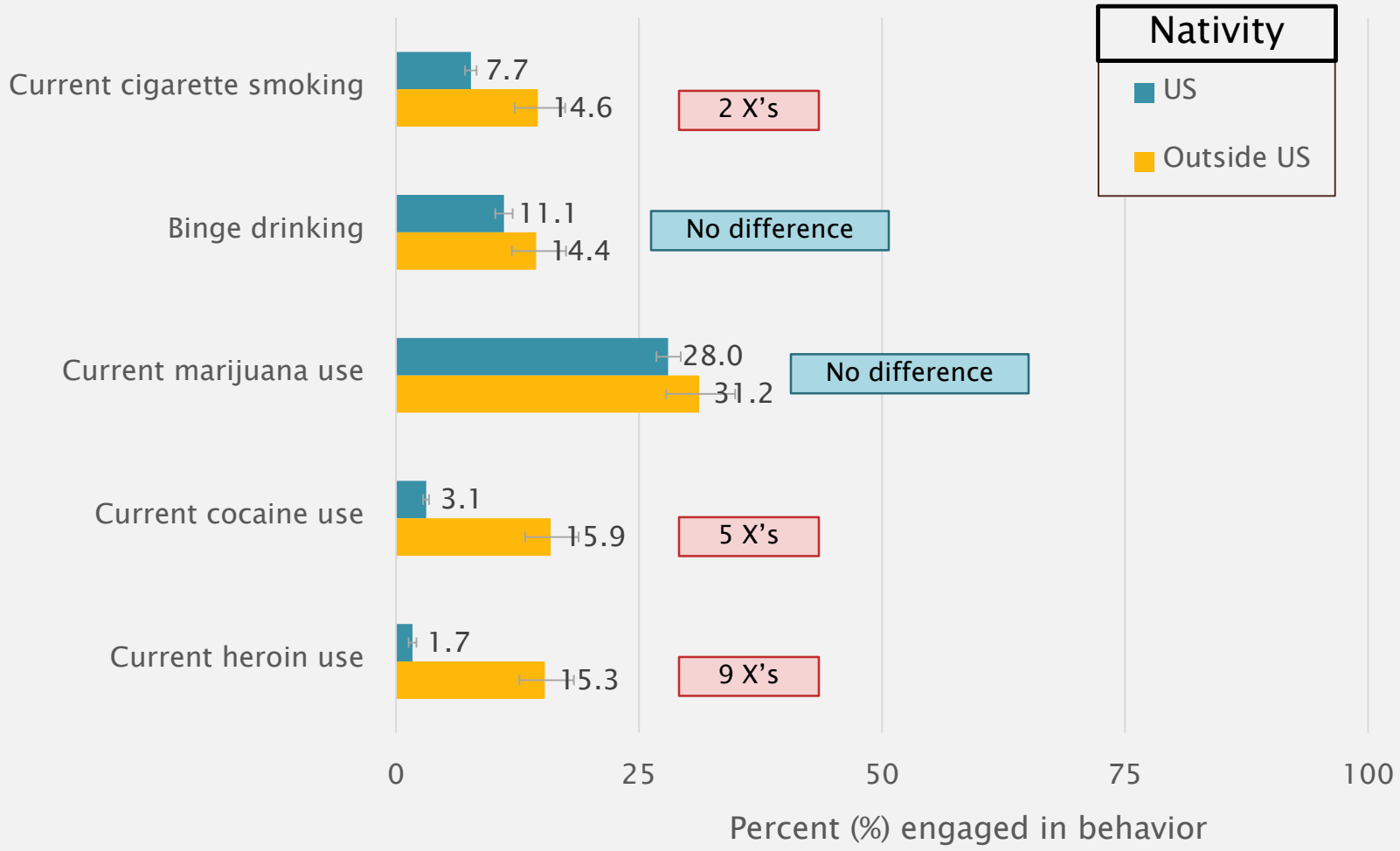


Nativity by Race/Ethnicity, Middle School and High School, NM, 2019

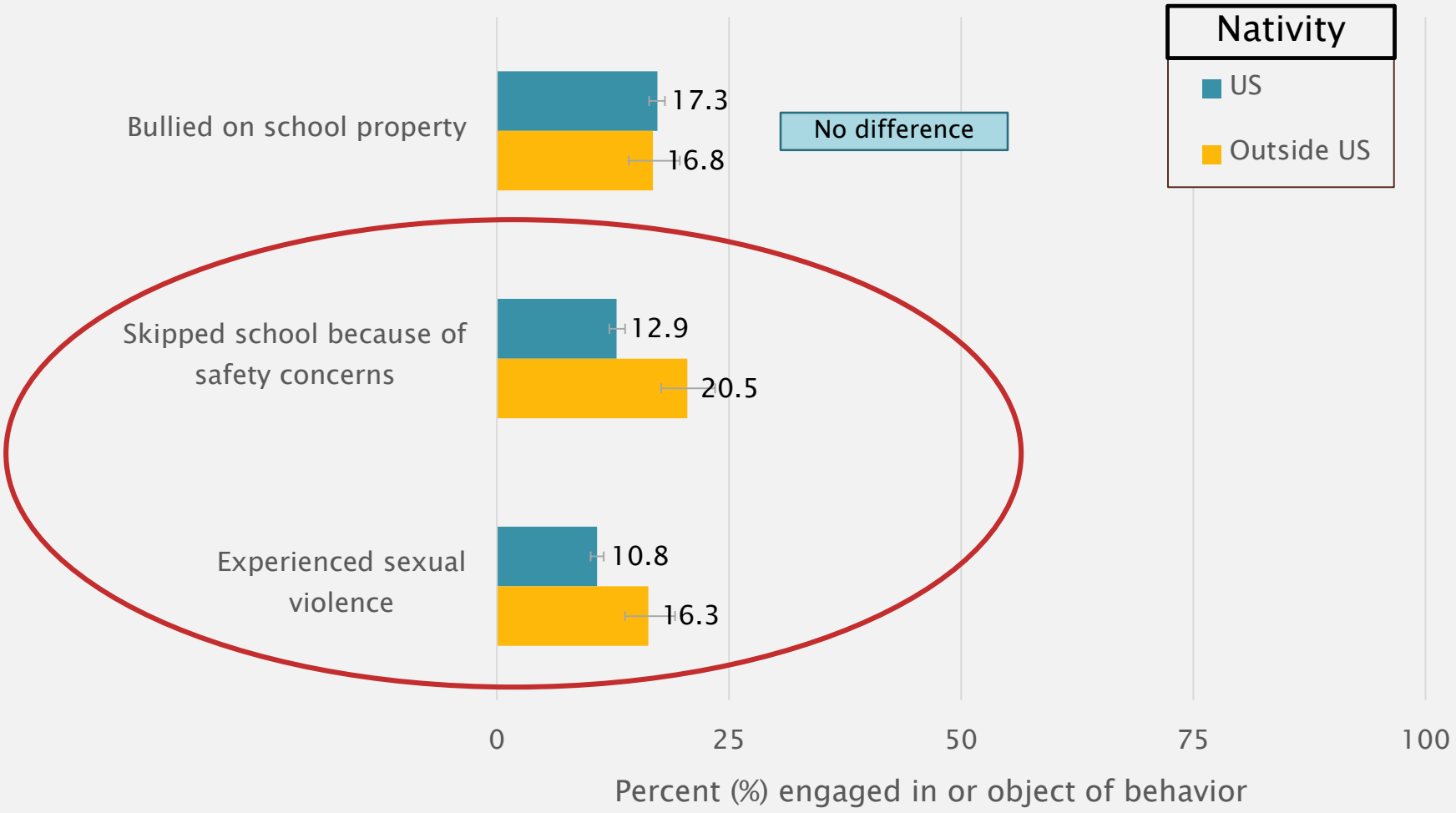




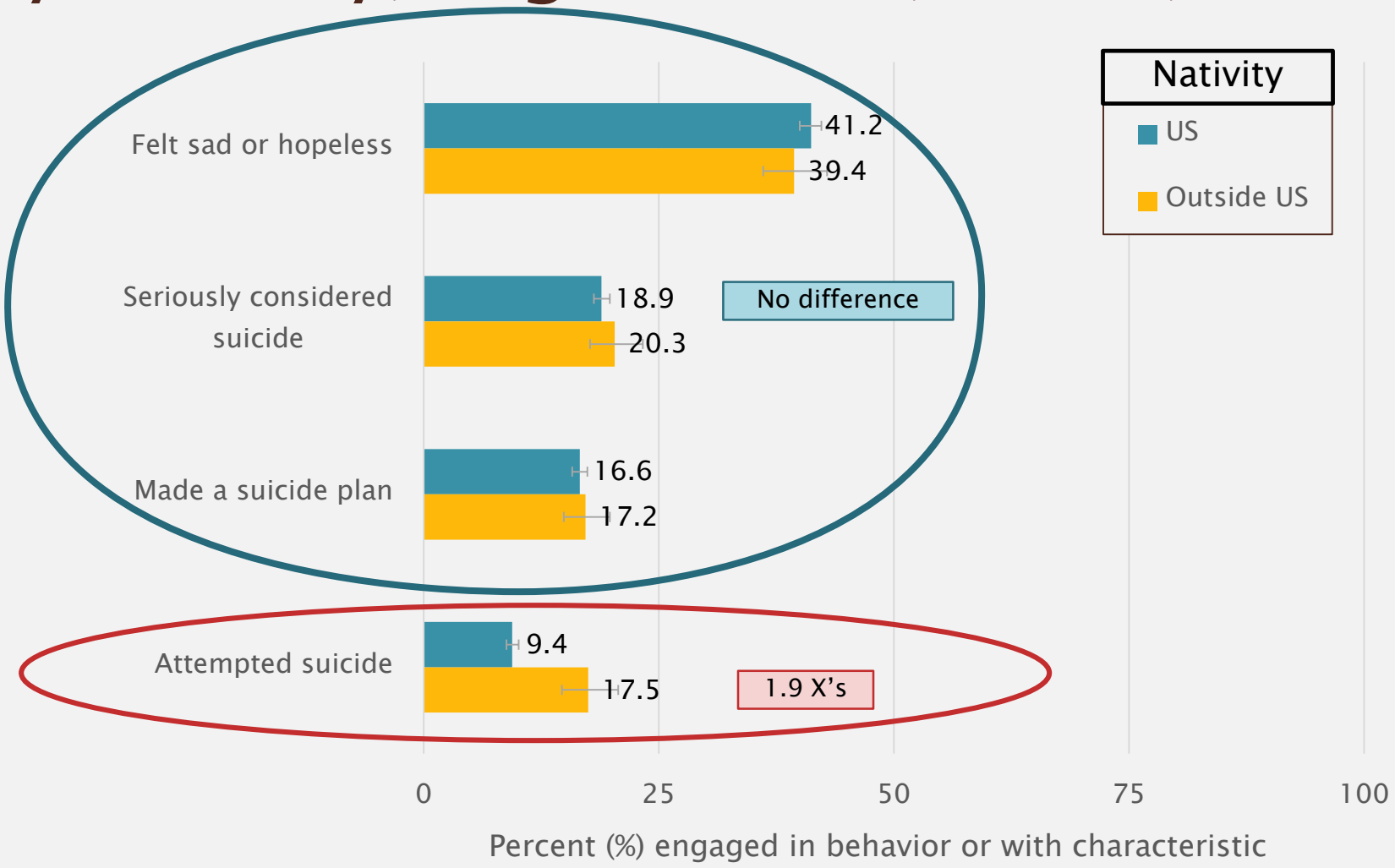
Alcohol, Tobacco and Drug Use by Nativity, High School, 2019, NM



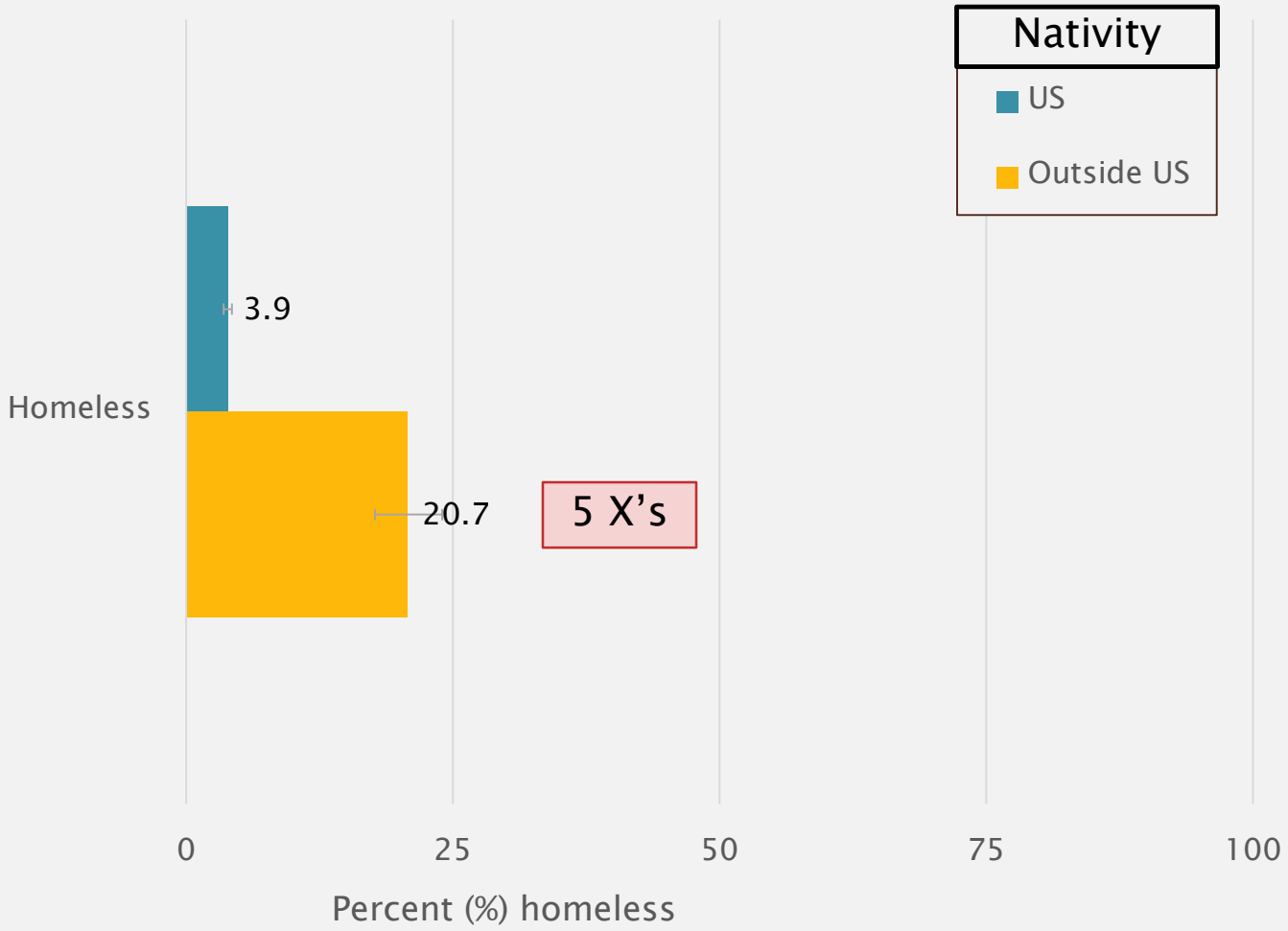
Bullying, School Safety, and Sexual Violence, High School, 2019, NM



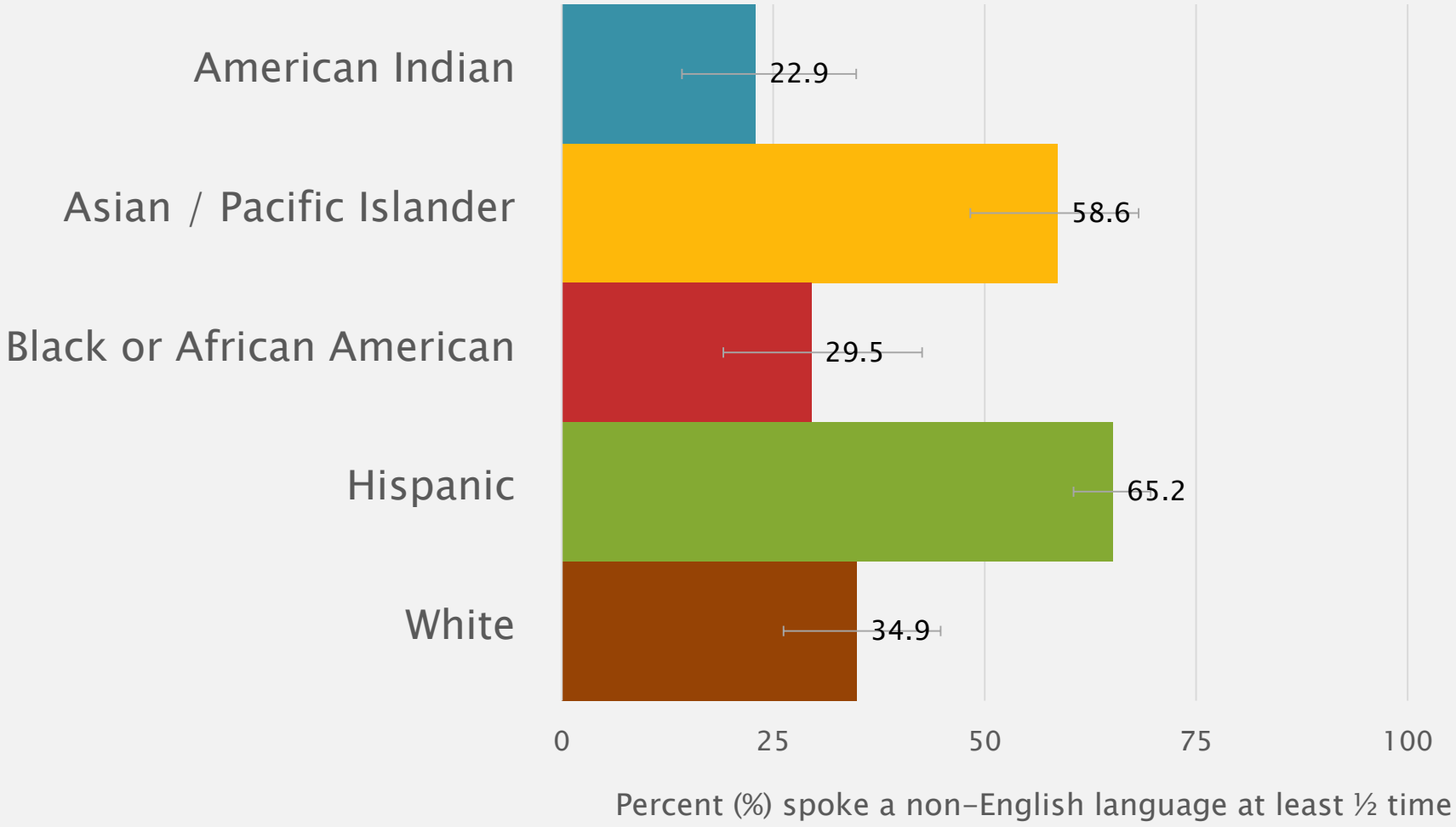
Mental Health and Suicidal Behaviors by Nativity, High School, 2019, NM



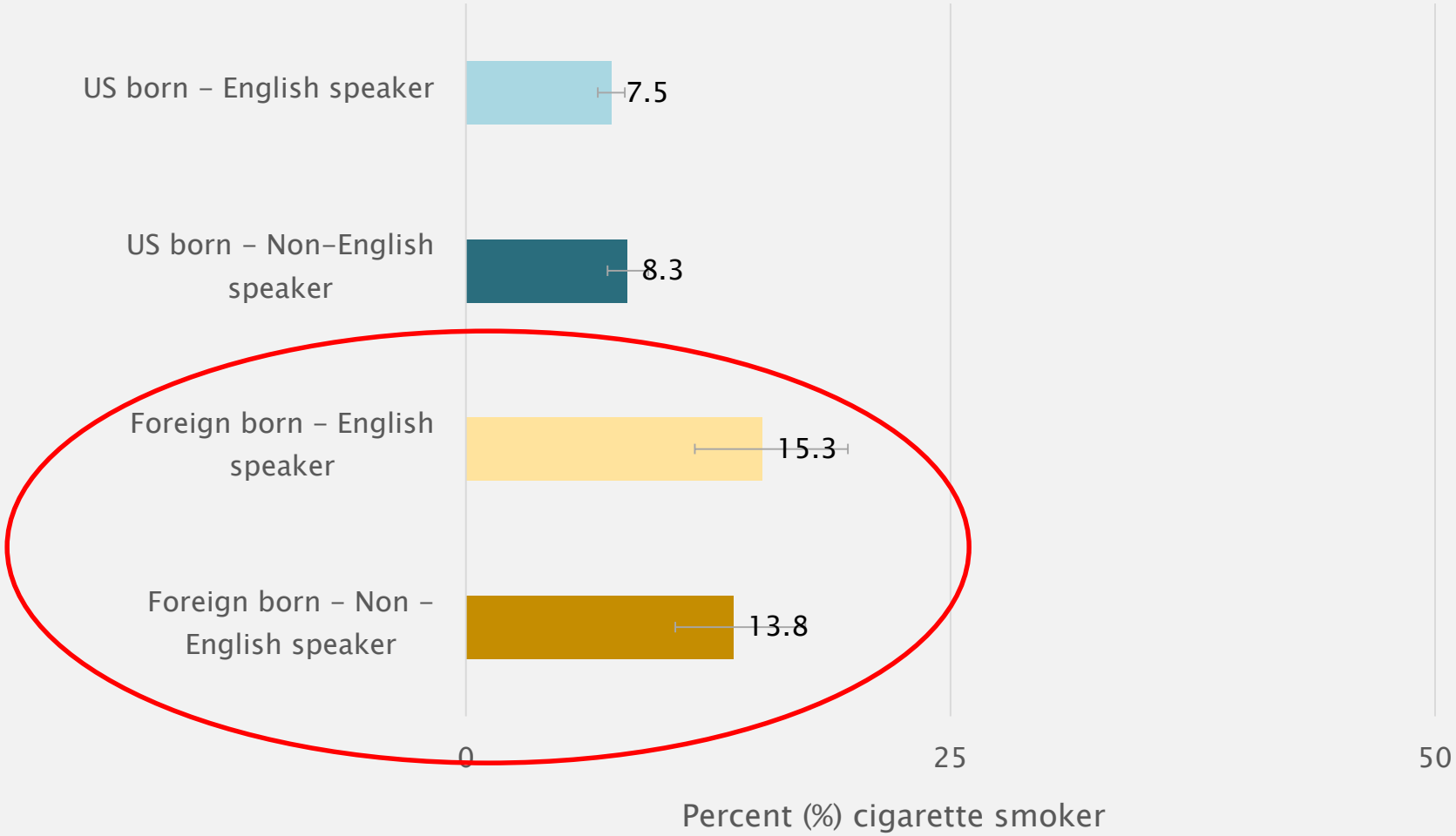
Homelessness by Nativity
High School, 2019, NM



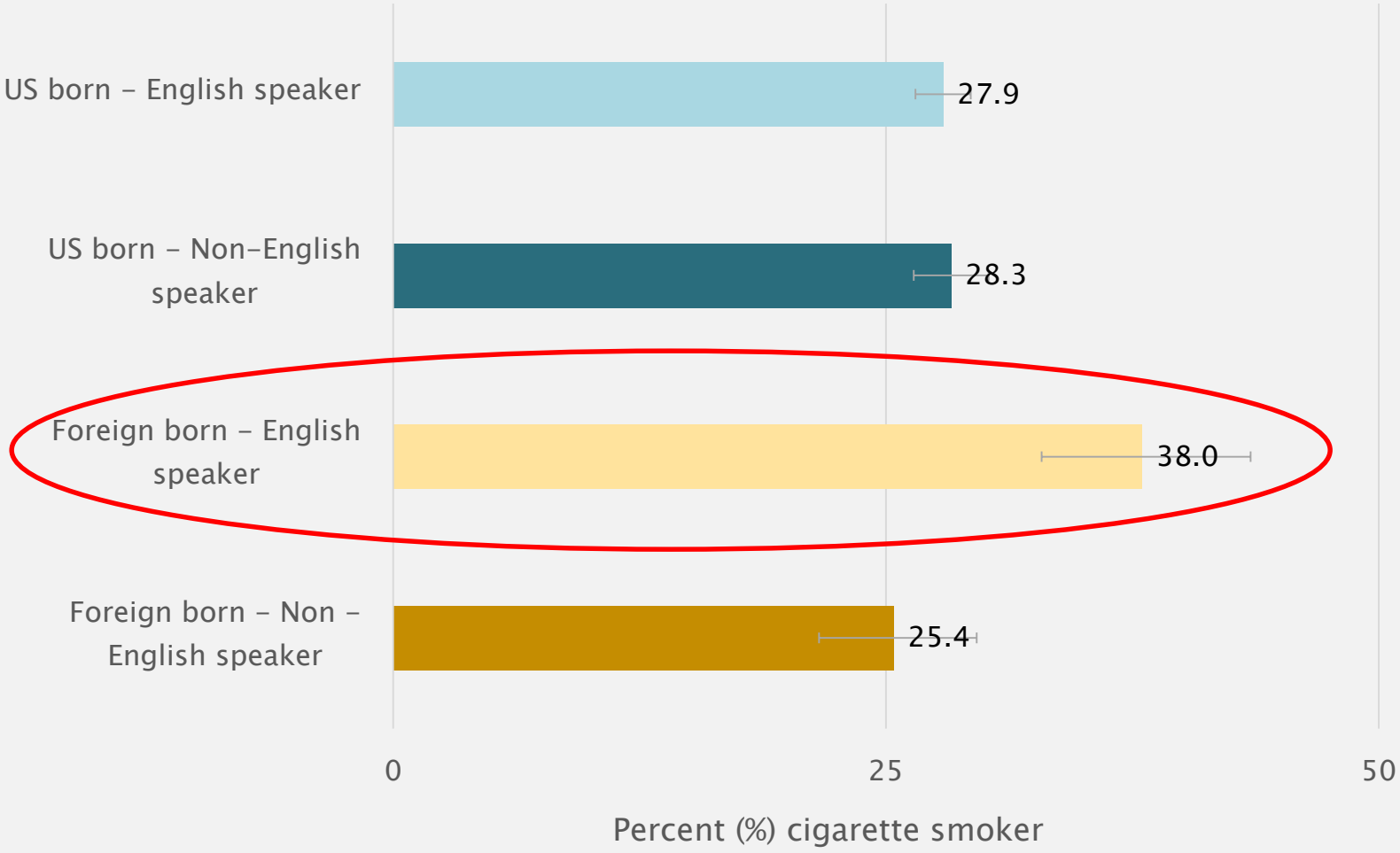
Non-English Language Spoken at Home among Foreign-born Students by Race/ethnicity, High School, 2019, NM



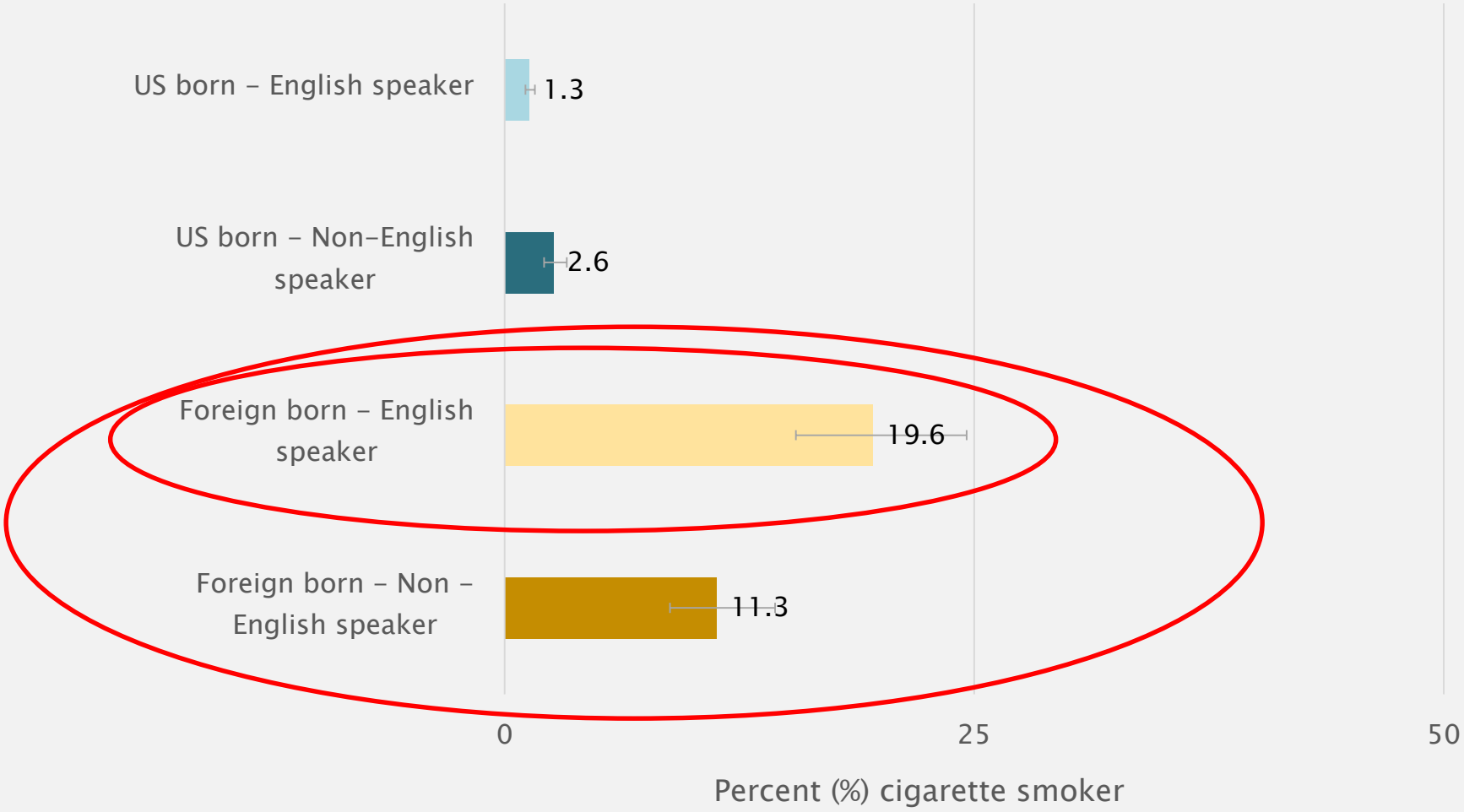
Current Cigarette Smoking by Nativity and Language Spoken at Home, High School, 2019, NM



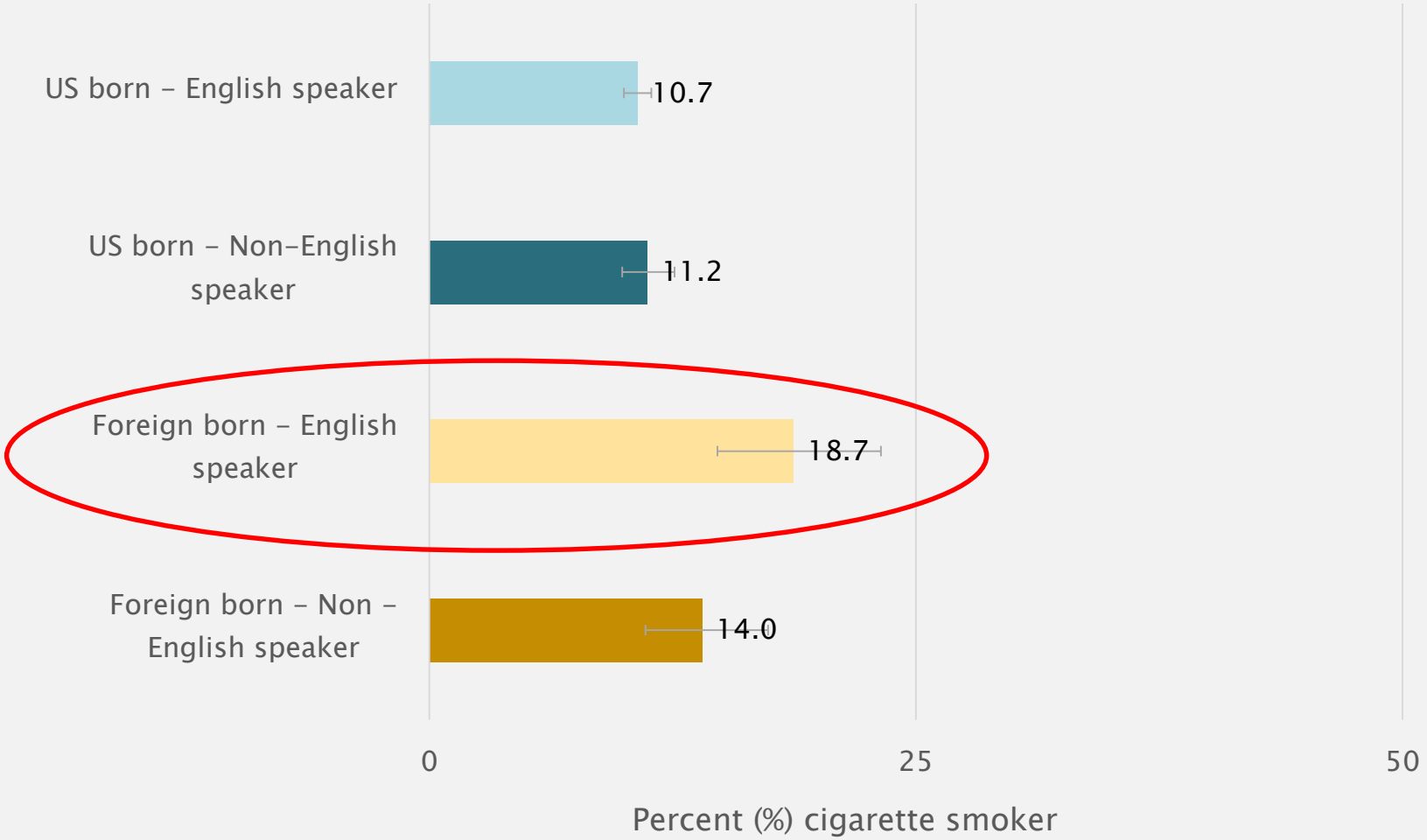
Current Marijuana Use by Nativity and Language Spoken at Home, High School, 2019, NM



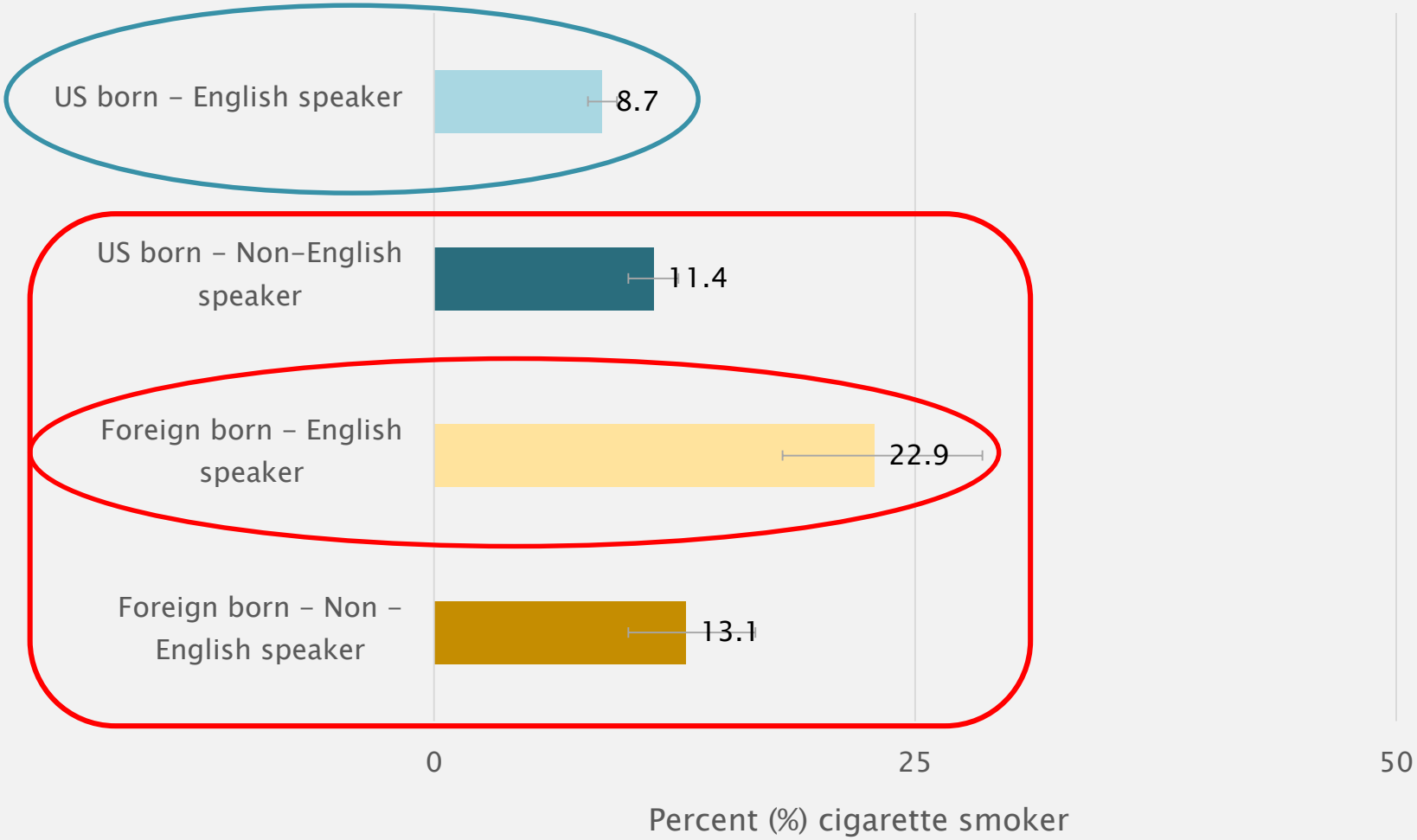
Current Heroin Use by Nativity and Language Spoken at Home, High School, 2019, NM



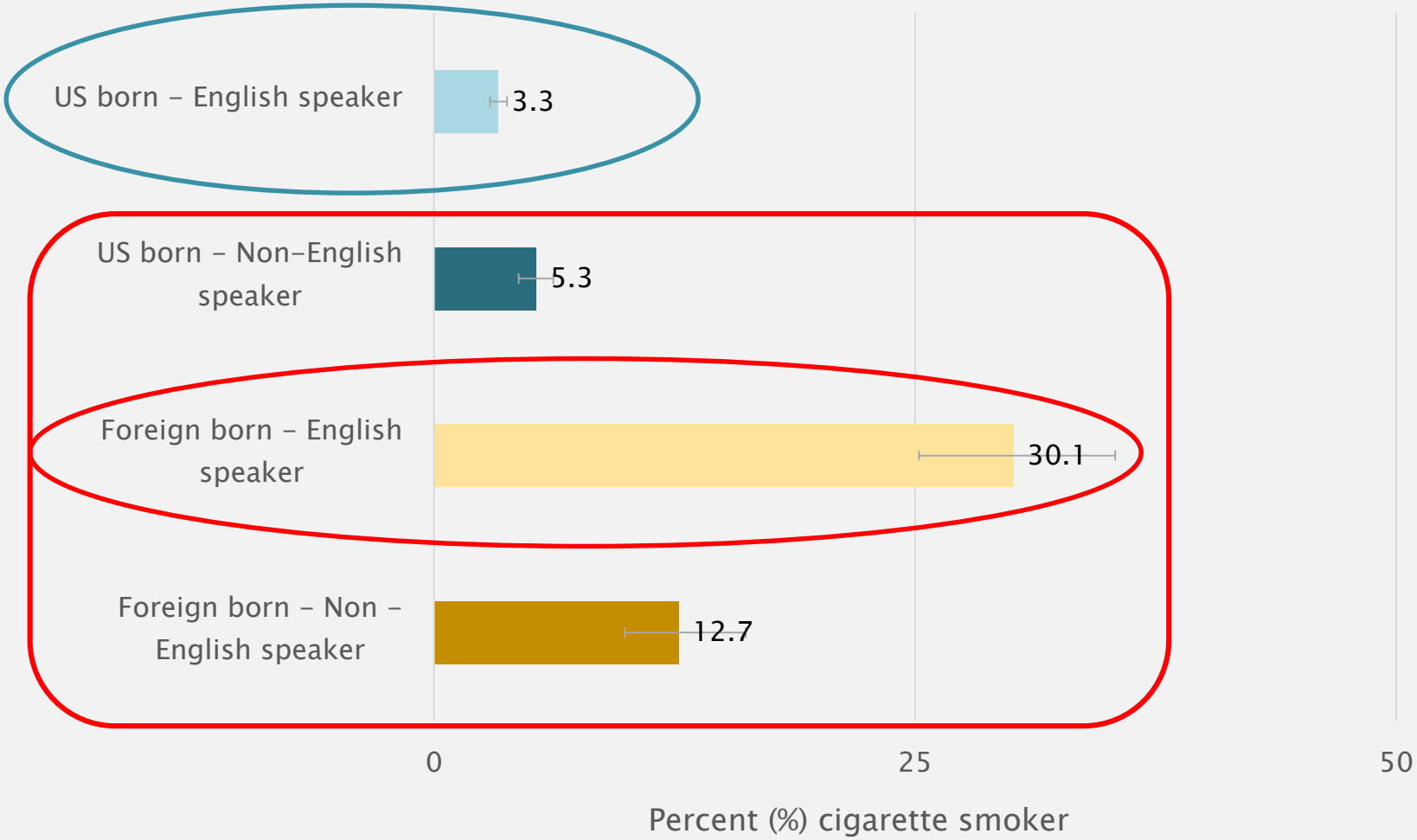
Experienced Sexual Violence by Nativity and Language Spoken at Home, High School, 2019, NM



Suicide Attempt by Nativity and Language Spoken at Home, High School, 2019, NM



Homelessness by Nativity and Language Spoken at Home, High School, 2019, NM

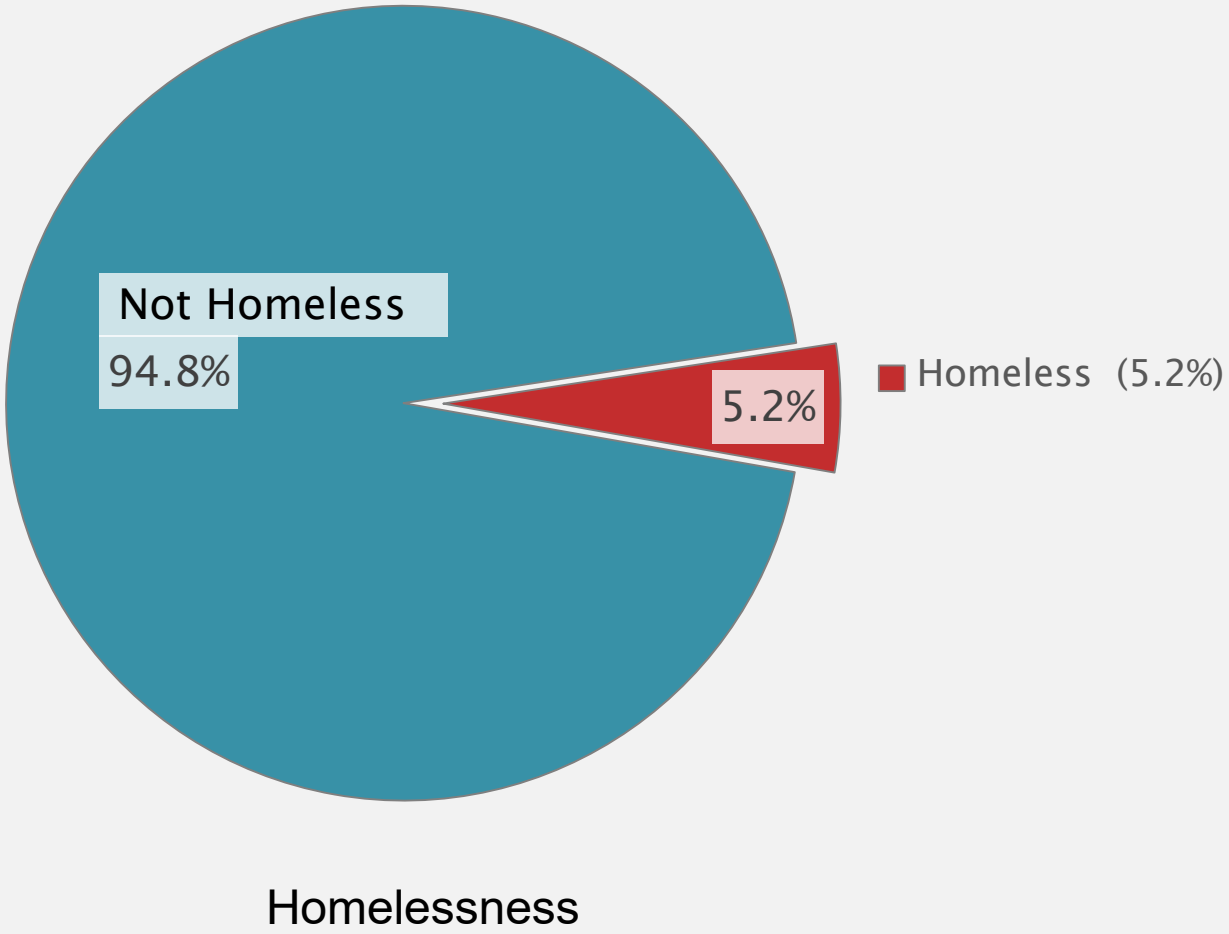


Homeless Students

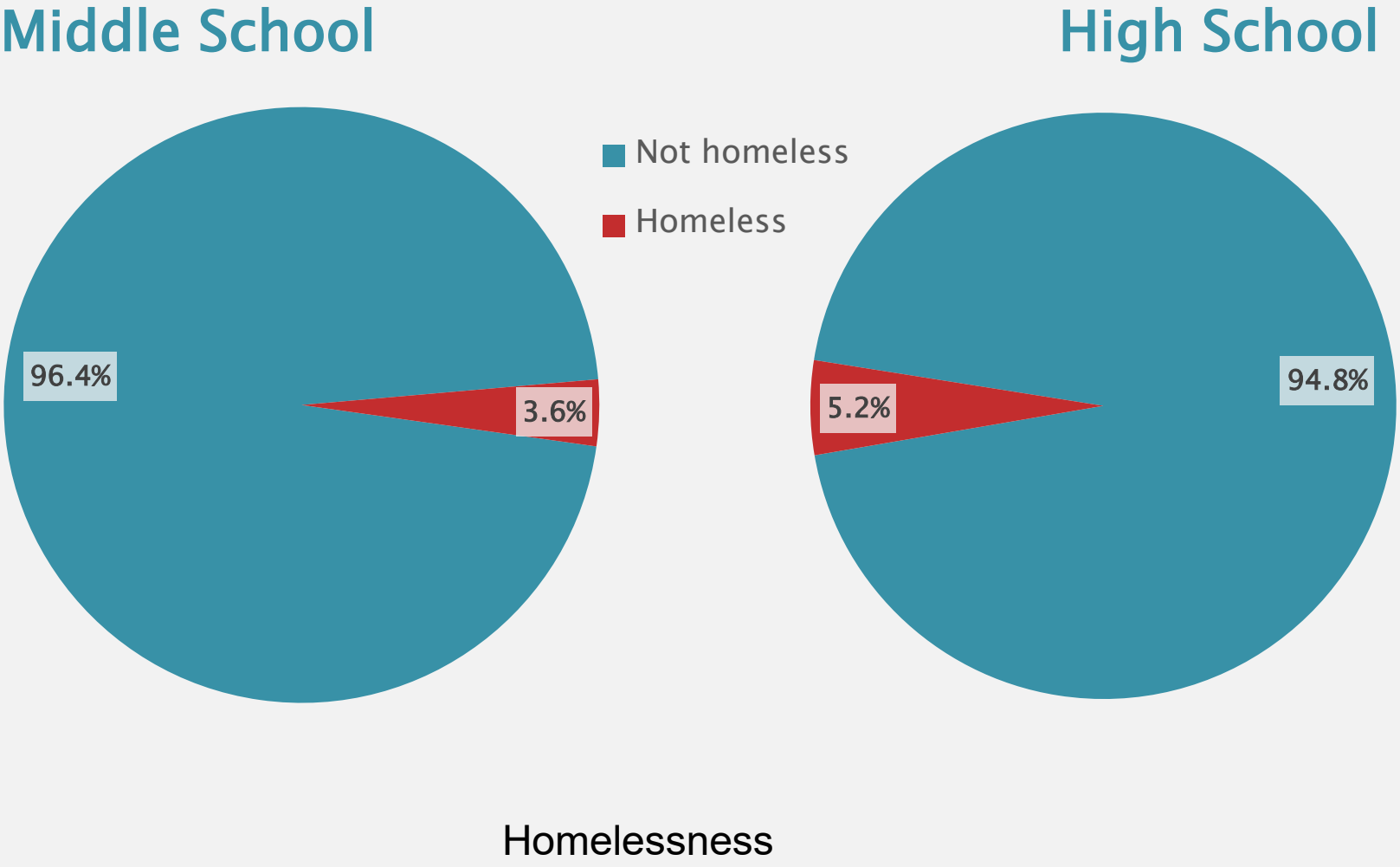
- During the past 30 days, where did you usually sleep?
- Complemented by new question about accompaniment –
  - During the past 30 days, did you ever sleep away from your parents or guardians because you were kicked out, ran away, or were abandoned? (Yes/No)

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

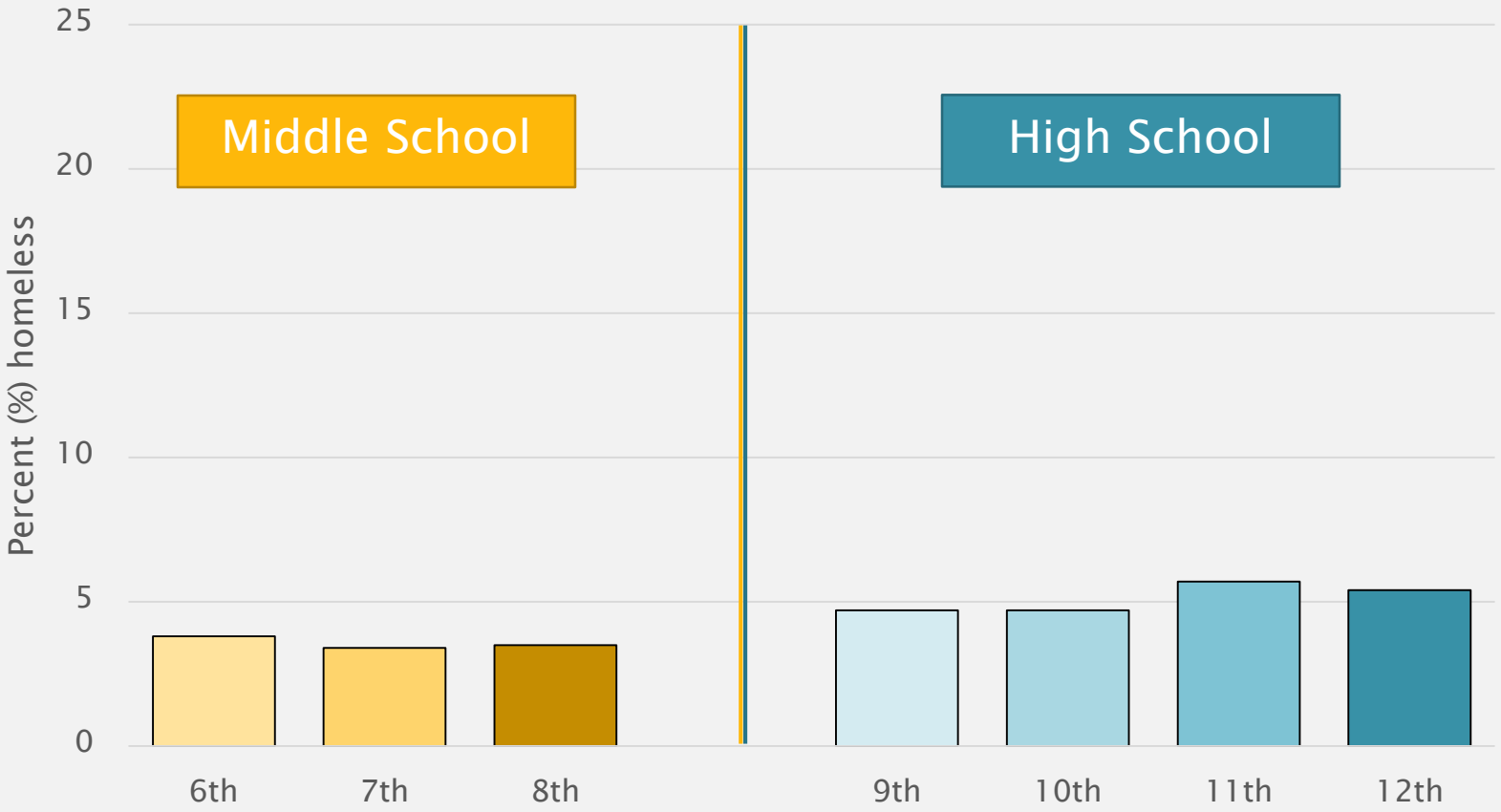
Homelessness, High School 2019, NM



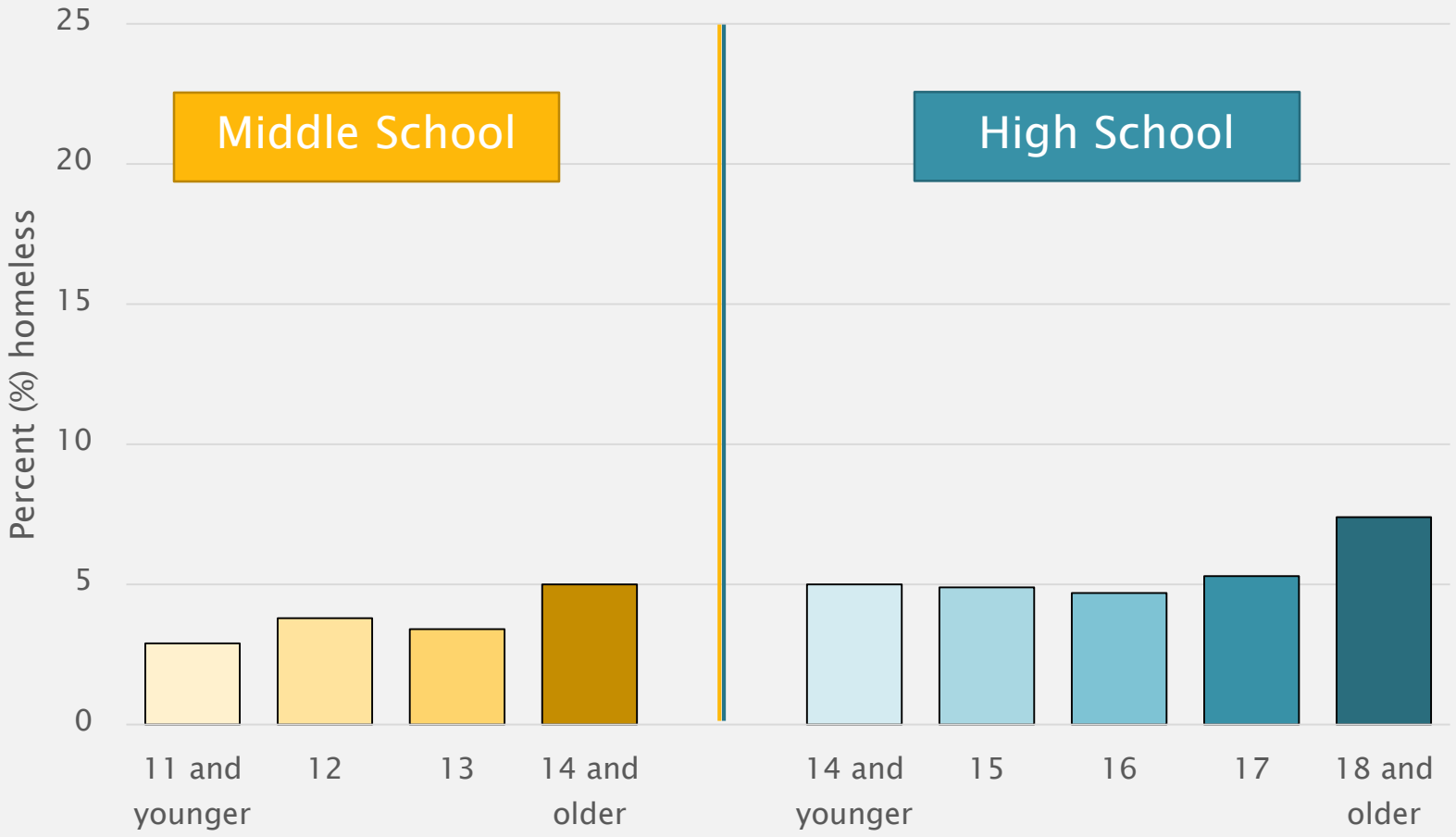
Homelessness, Middle School and High School, 2019, NM



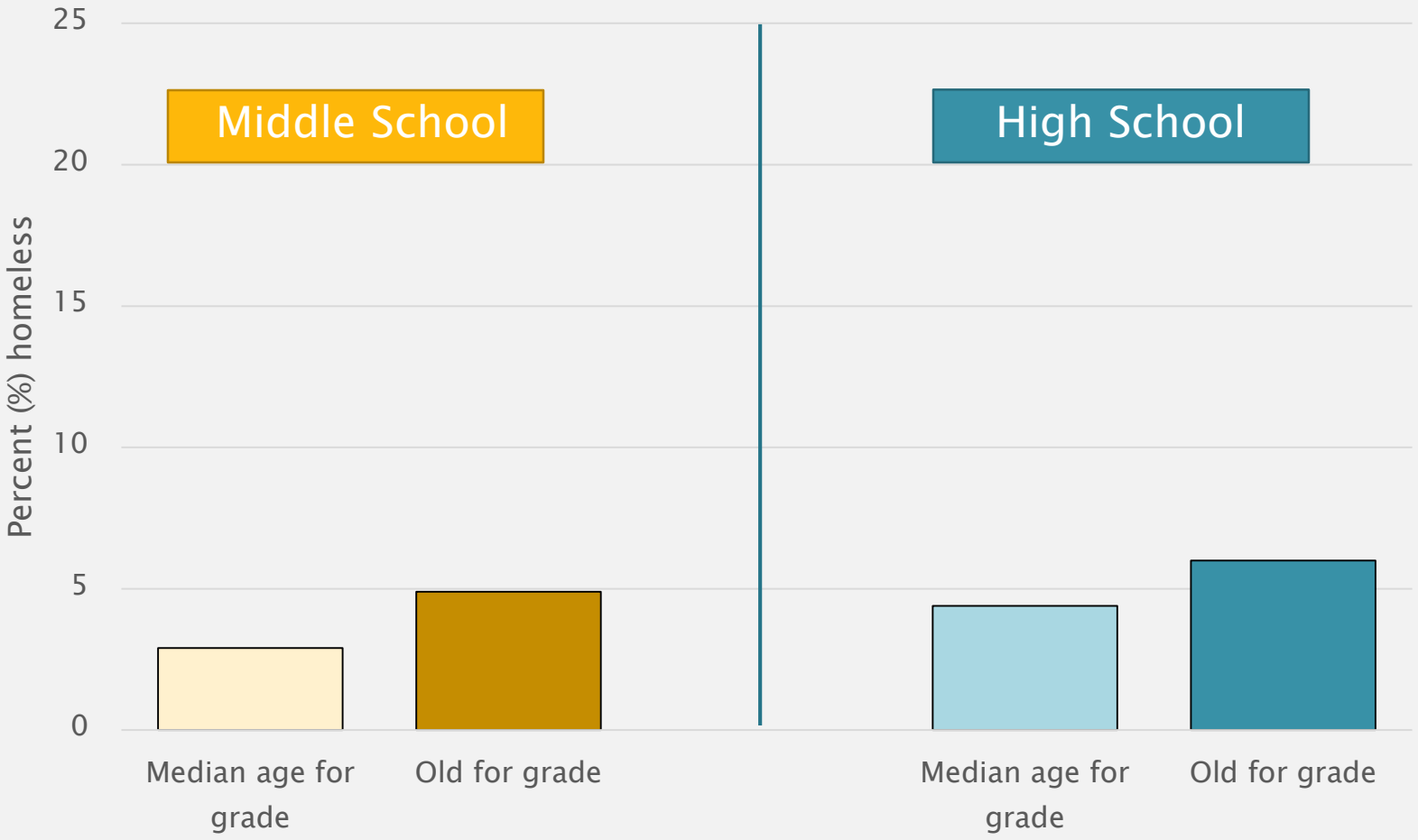
Homelessness by Grade Level, Middle School and High School, 2019, NM



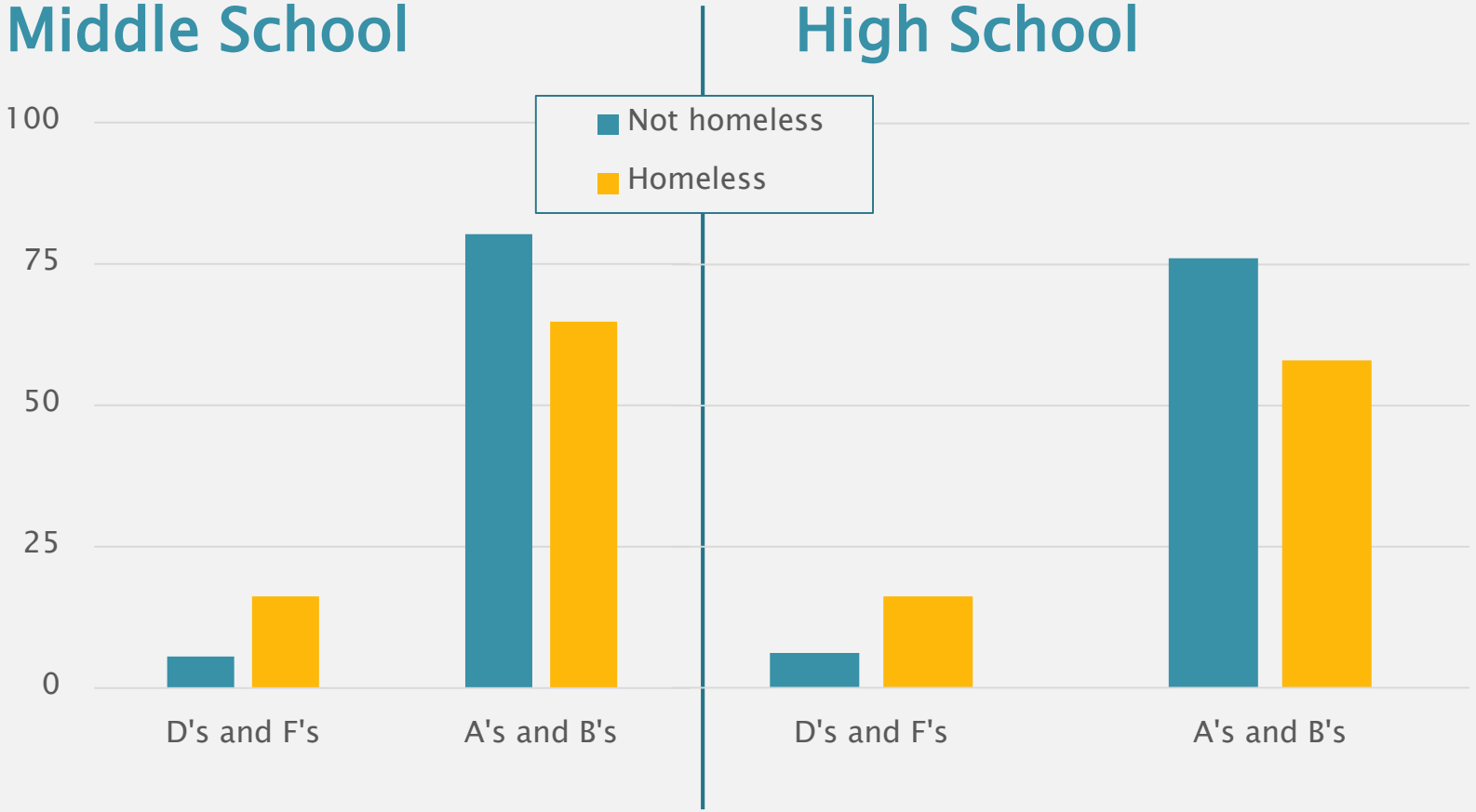
Homelessness by Age, Middle School and High School, 2019, NM



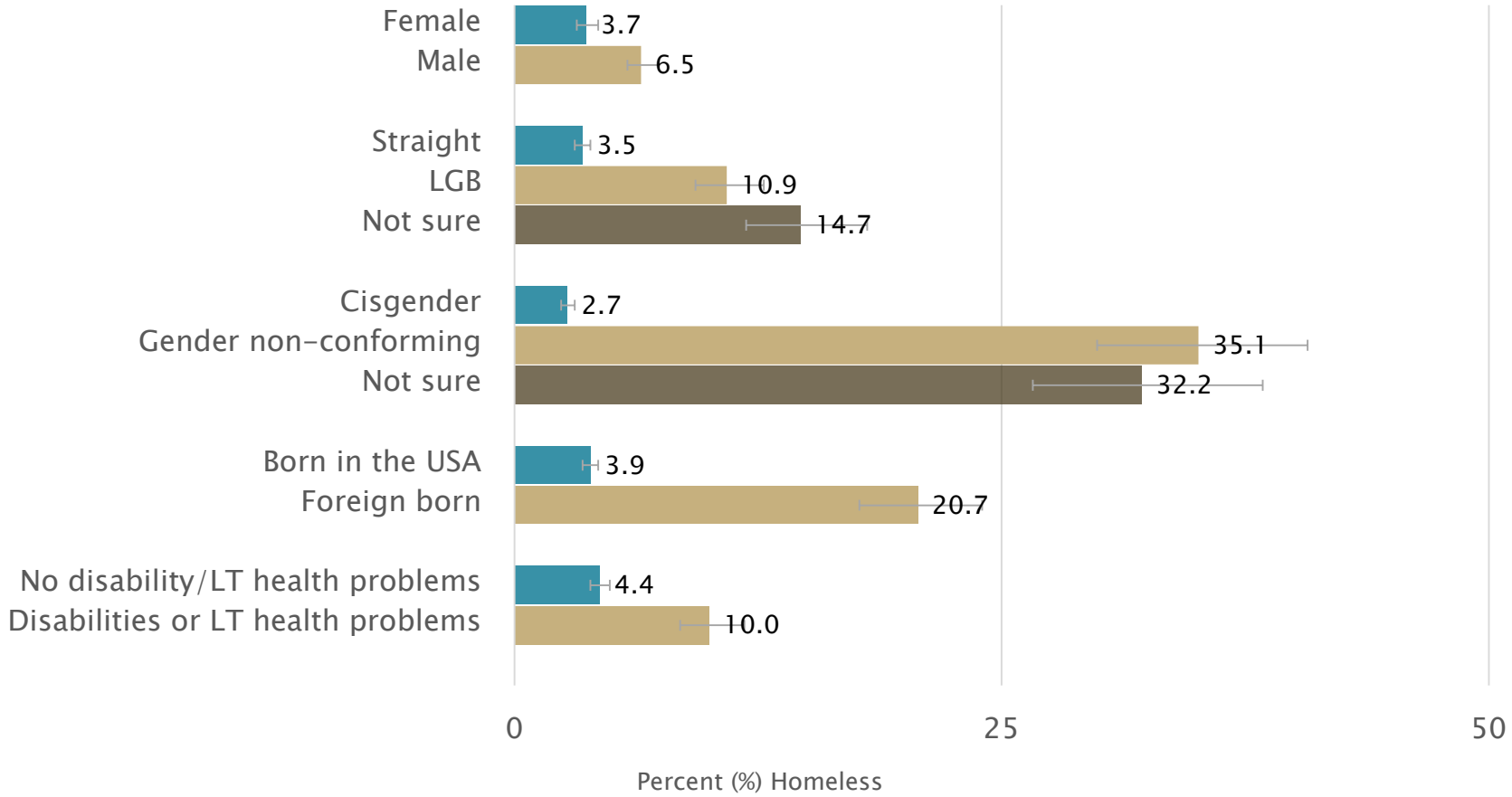
Homelessness by Age
Middle and High School, 2019, NM



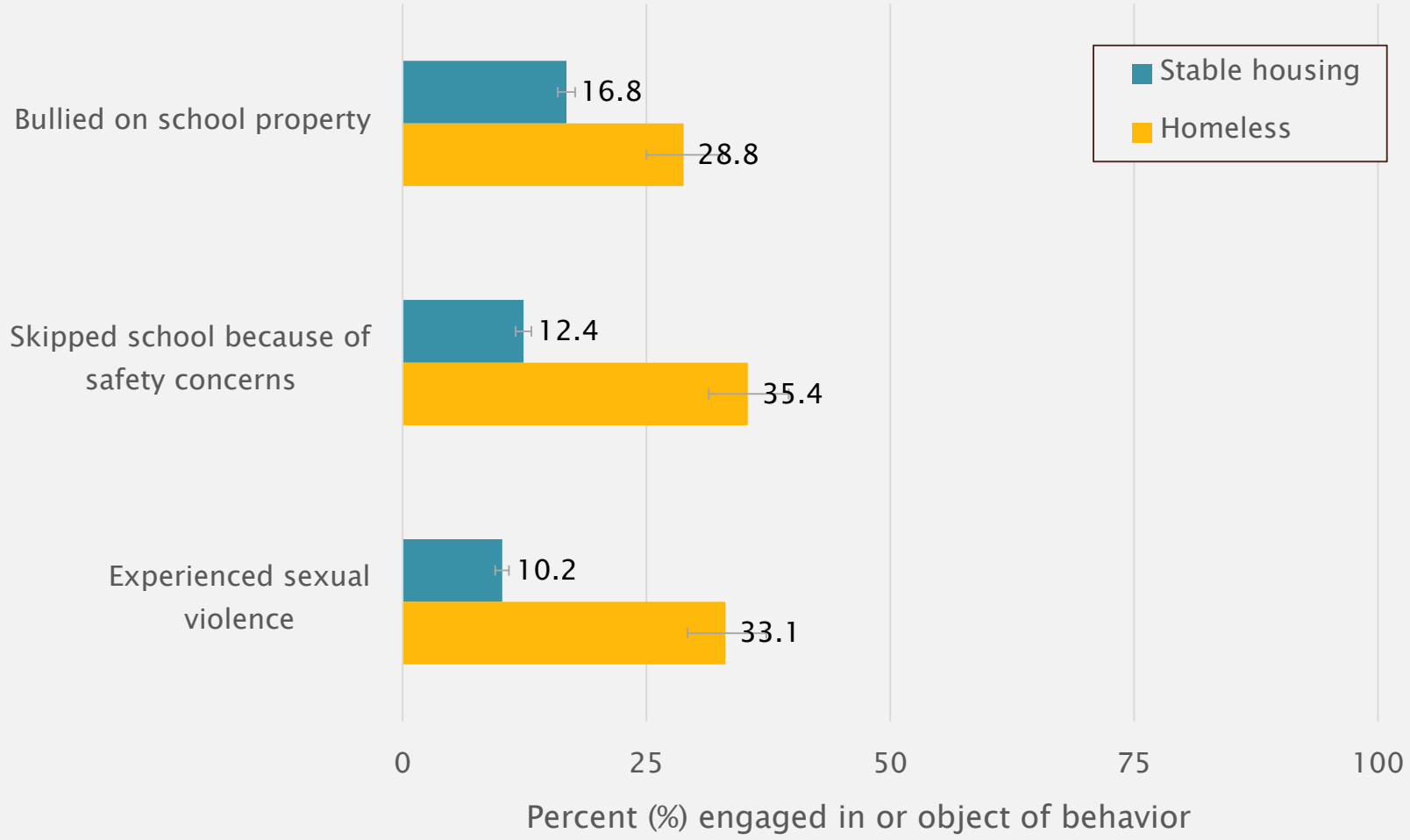
Grades Earned by Homelessness
Middle School and High School 2019, NM



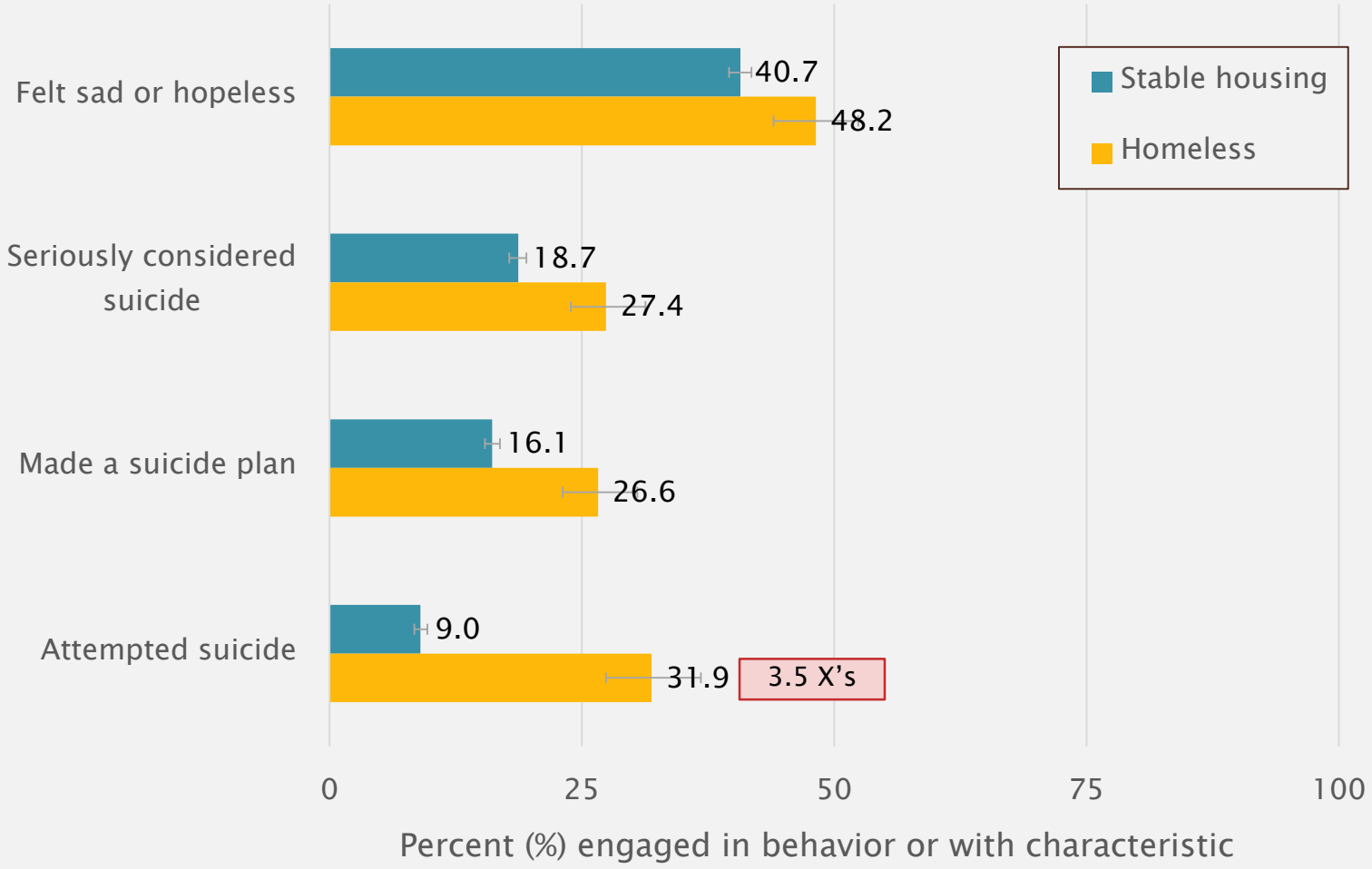
Homelessness by High Risk Characteristics Grades 9-12, 2019, NM



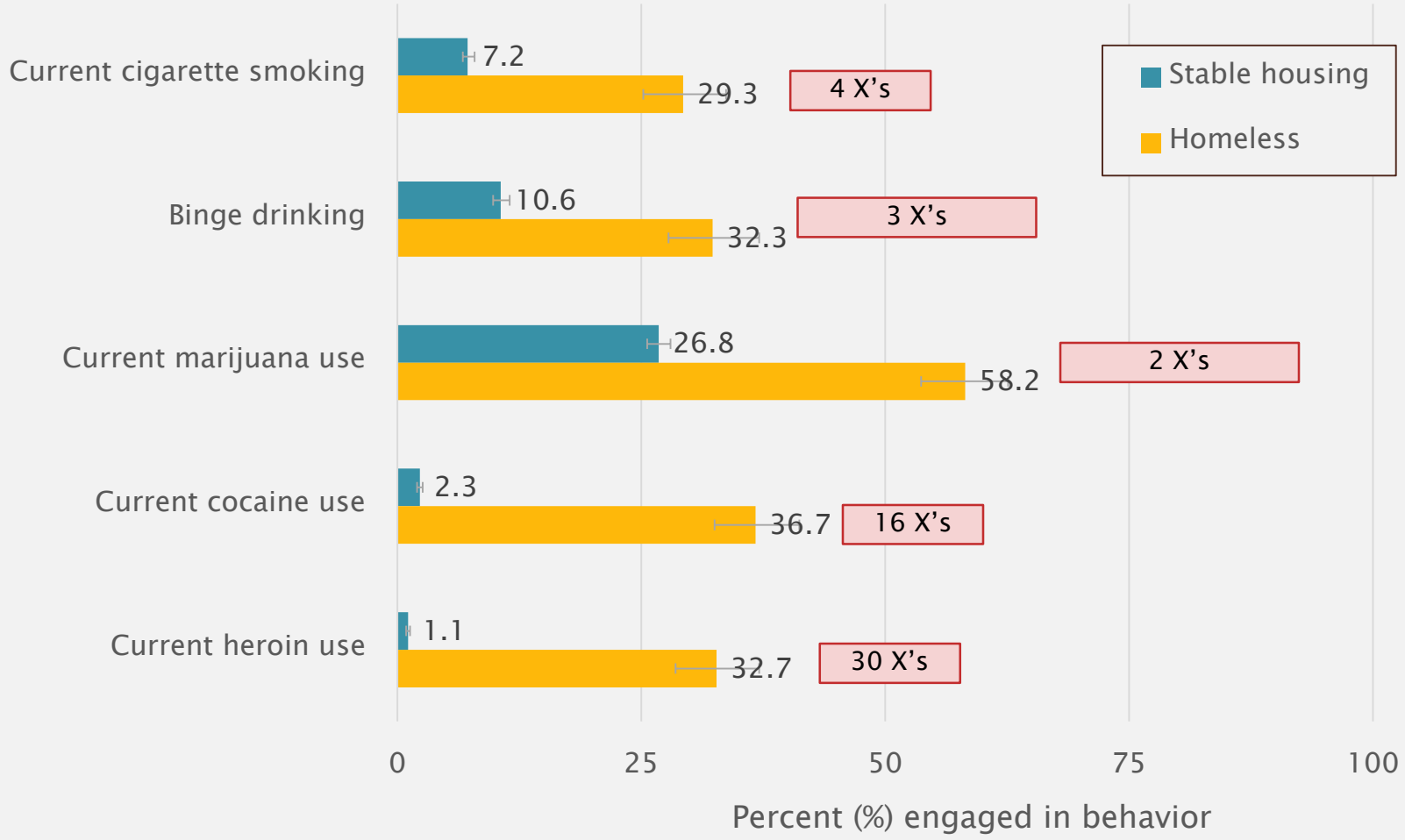
Bullying, School Safety, and Sexual Violence by Housing Status, High School, 2019, NM



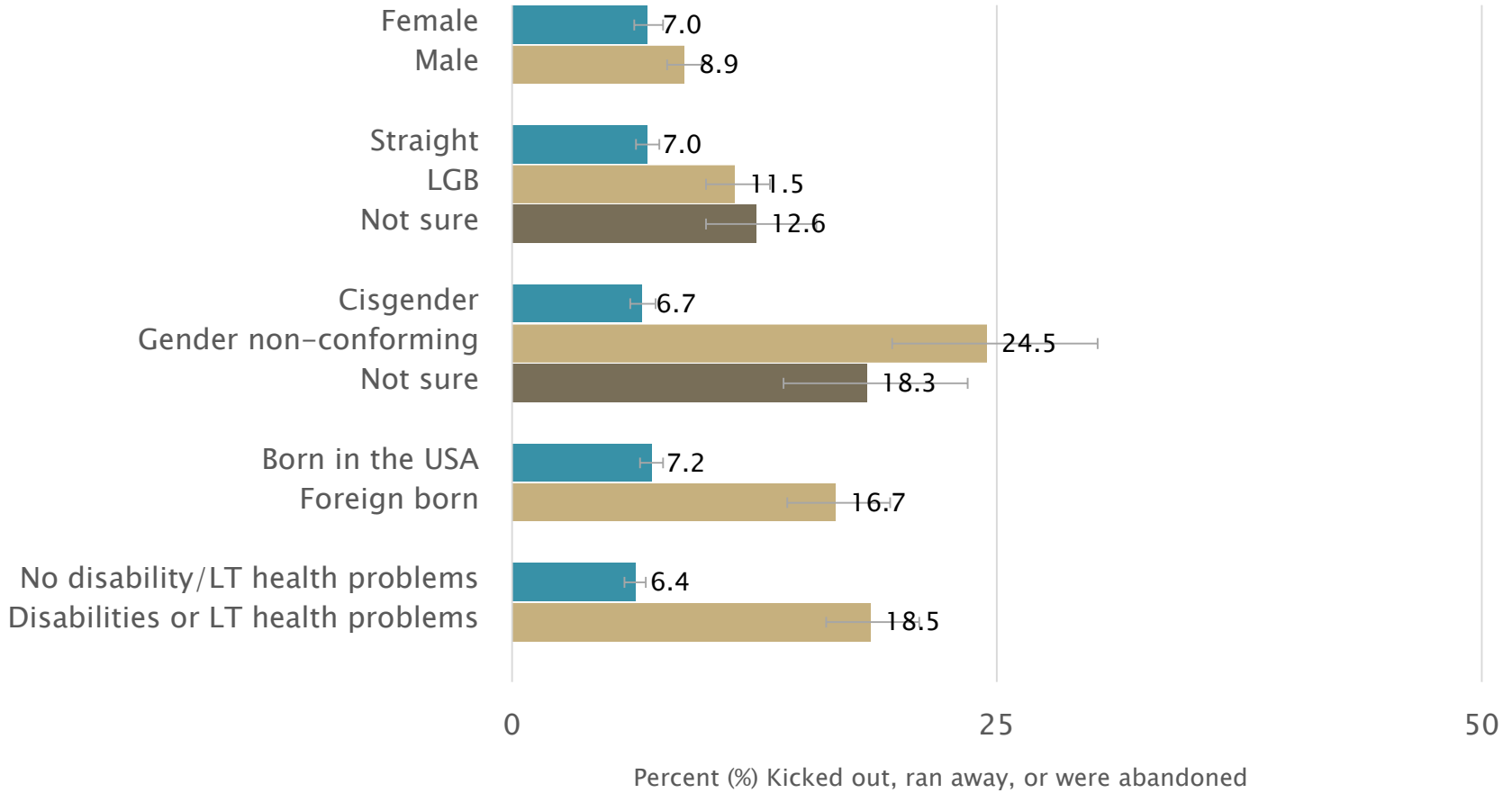
Mental Health and Suicidal Behaviors by Housing, High School, 2019, NM



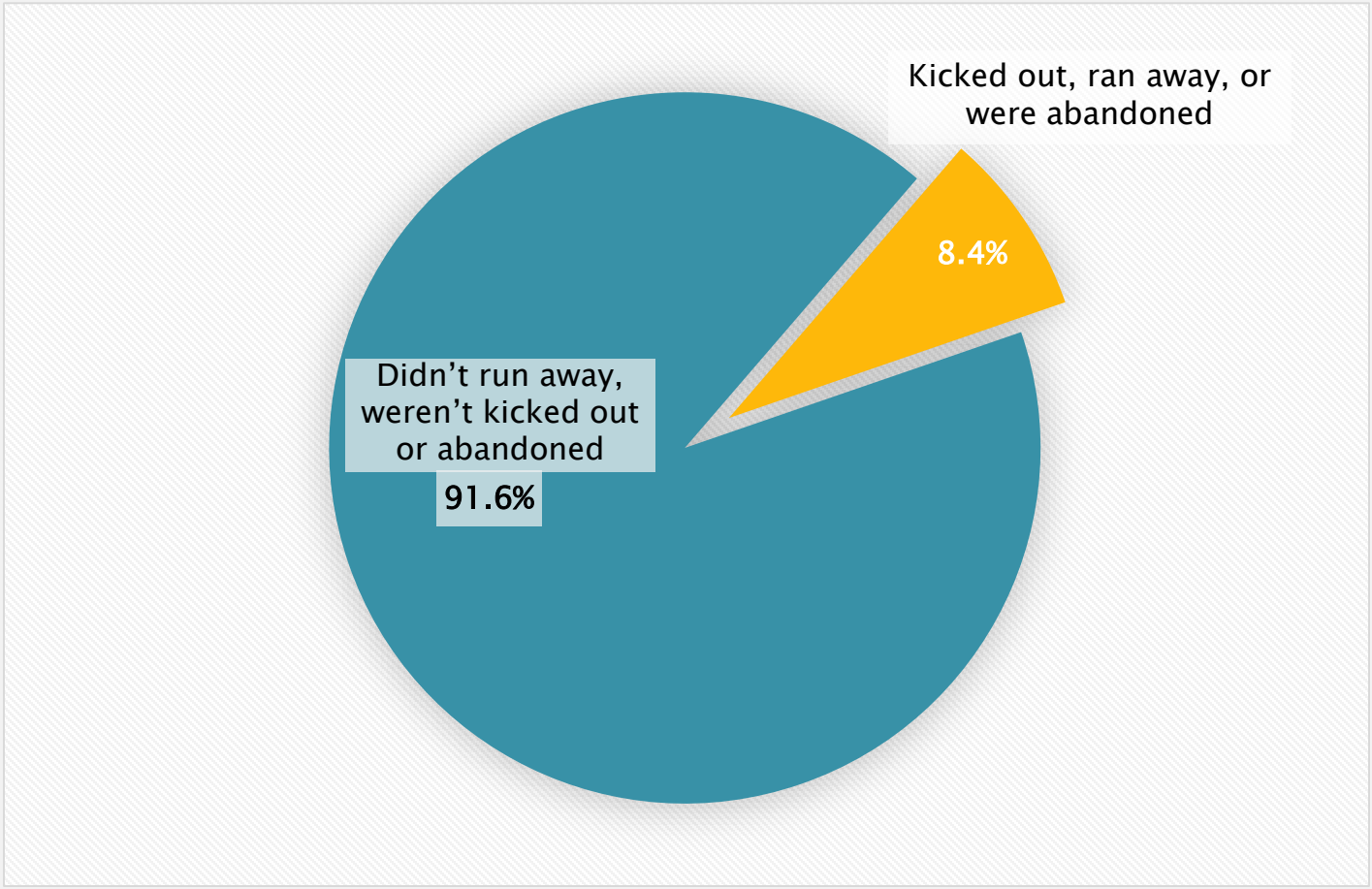
Alcohol, Tobacco and Drug Use by Nativity, High School, 2019, NM



Kicked Out, Ran Away, or Were Abandoned by High Risk Characteristics Grades 9–12, 2019, NM



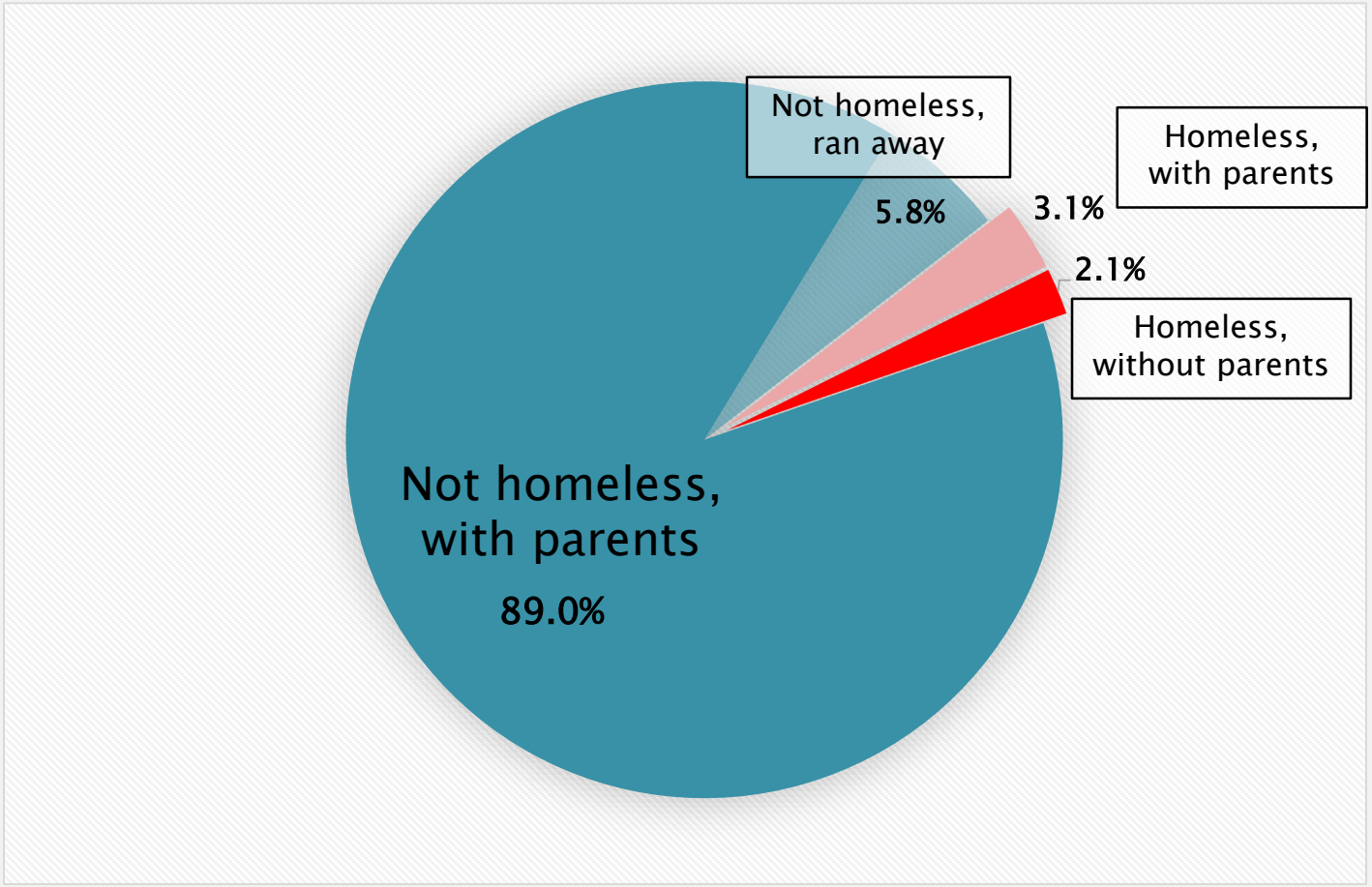
Kicked out, Ran away, or Were Abandoned* Grades 9–12, 2019, NM



*In the past 30 days.

NMYRRS YOUTH RISK & RESILIENCY SURVEY

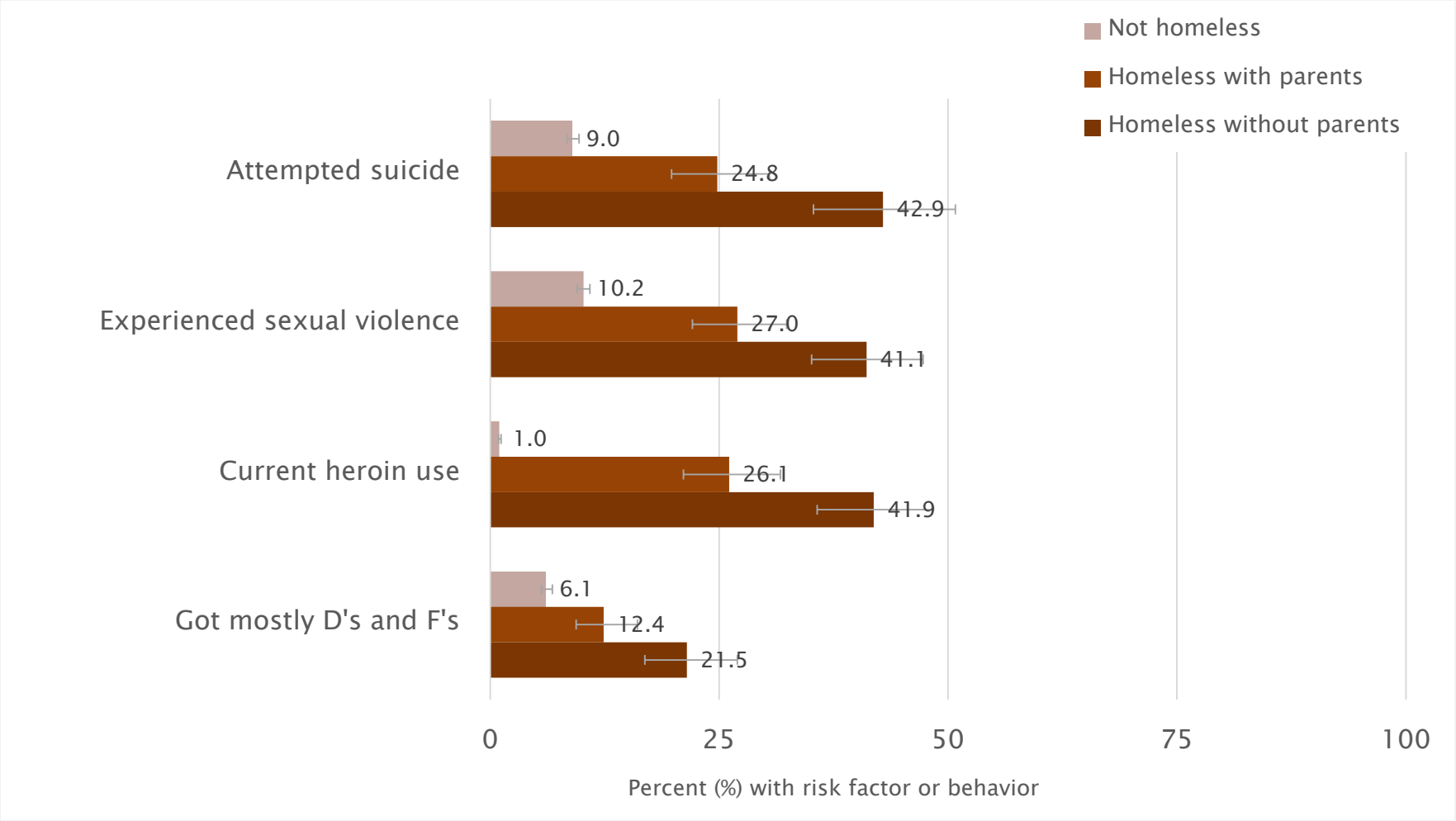
Homeless: Accompanied and Unaccompanied by Parents, Grades 9-12, 2019, NM



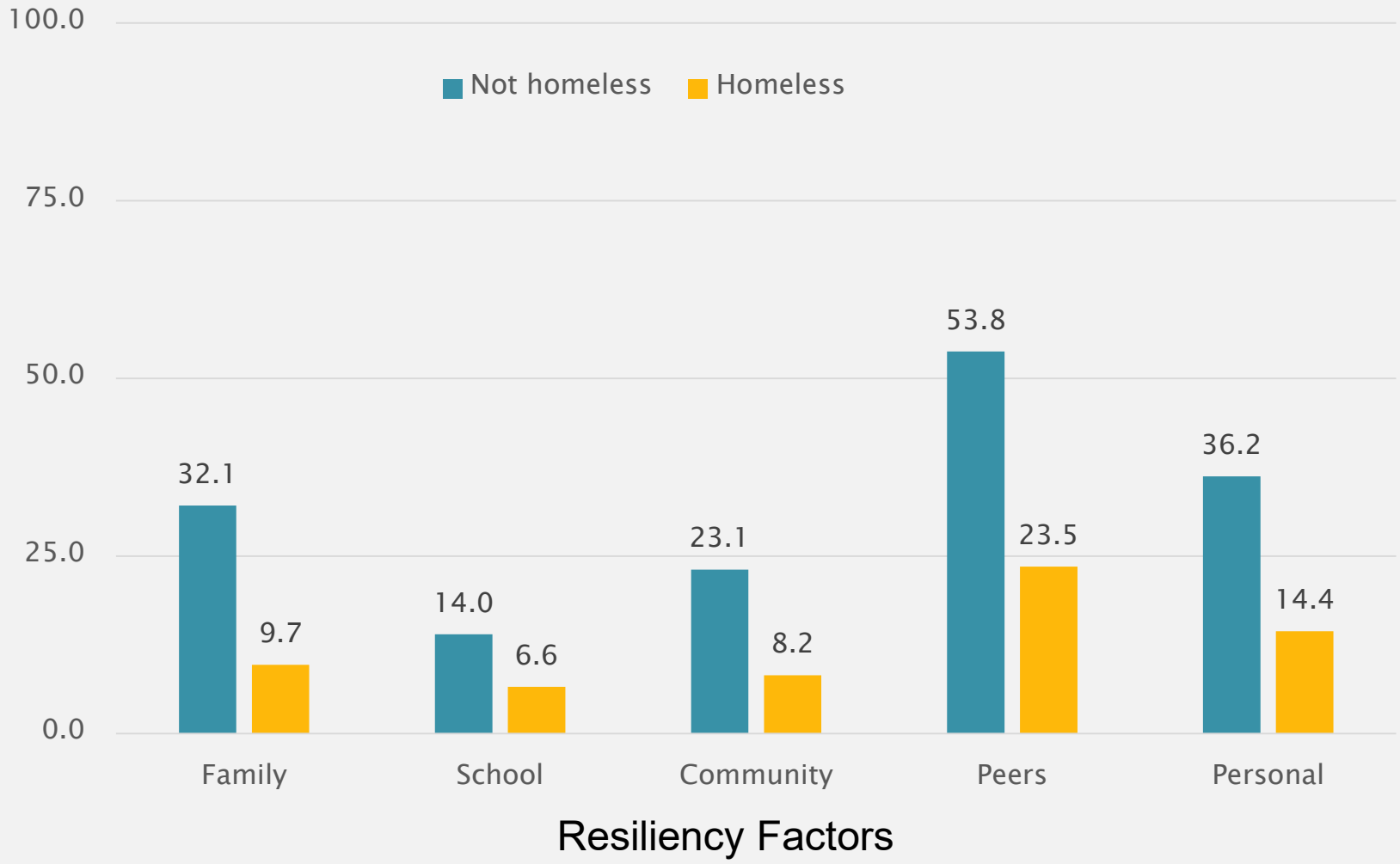
*In the past 30 days.

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

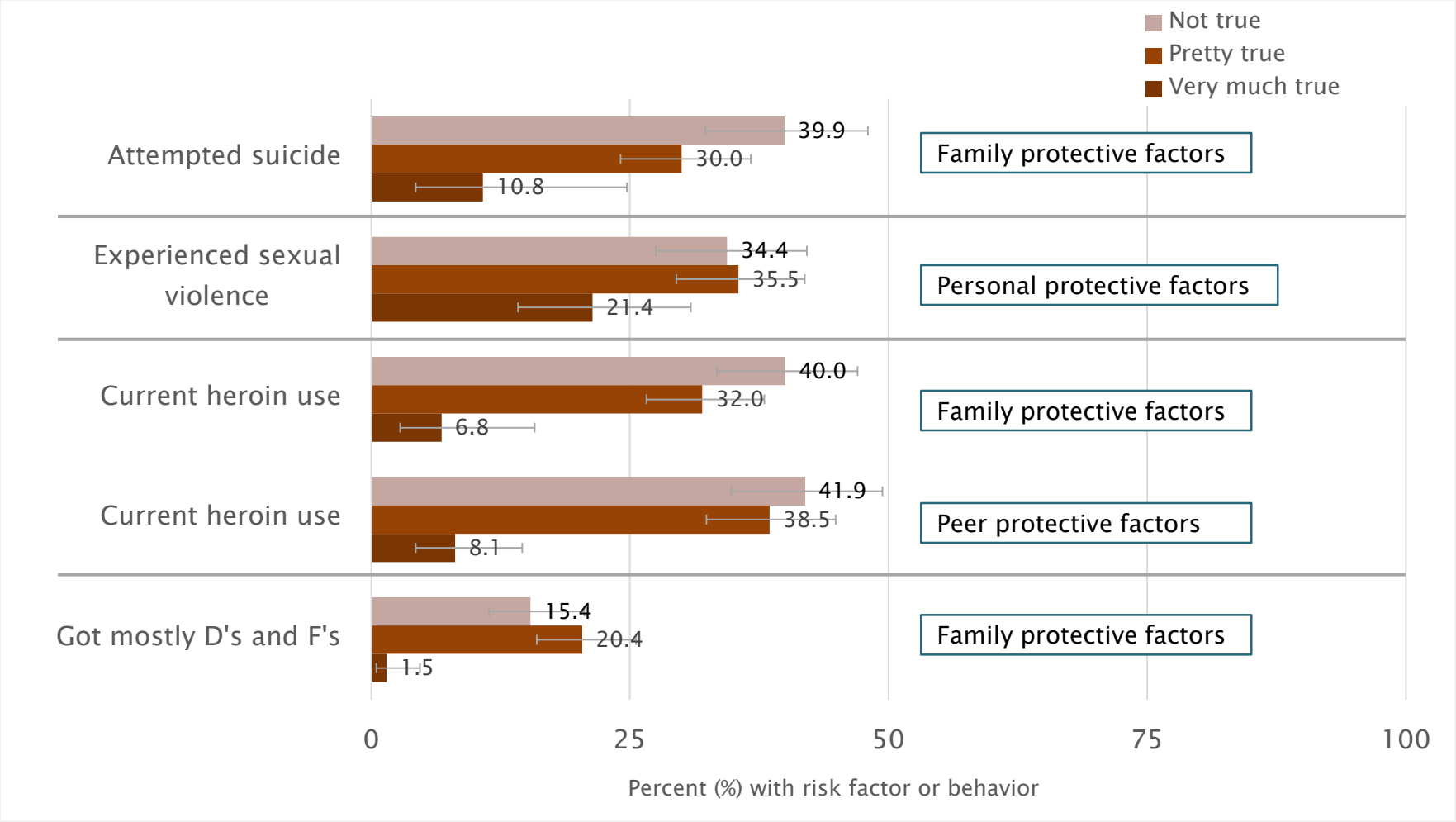
Selected Risk Behaviors by Levels of Homelessness, Grades 9–12, 2019, NM



Highest Level of Resiliency Factor by Housing, Grades 9-12, 2019, NM



Selected Risk Behaviors by Resiliency Factors among Homeless Students, Grades 9-12, 2019, NM



Physical Disabilities or Long-Term Health Problems

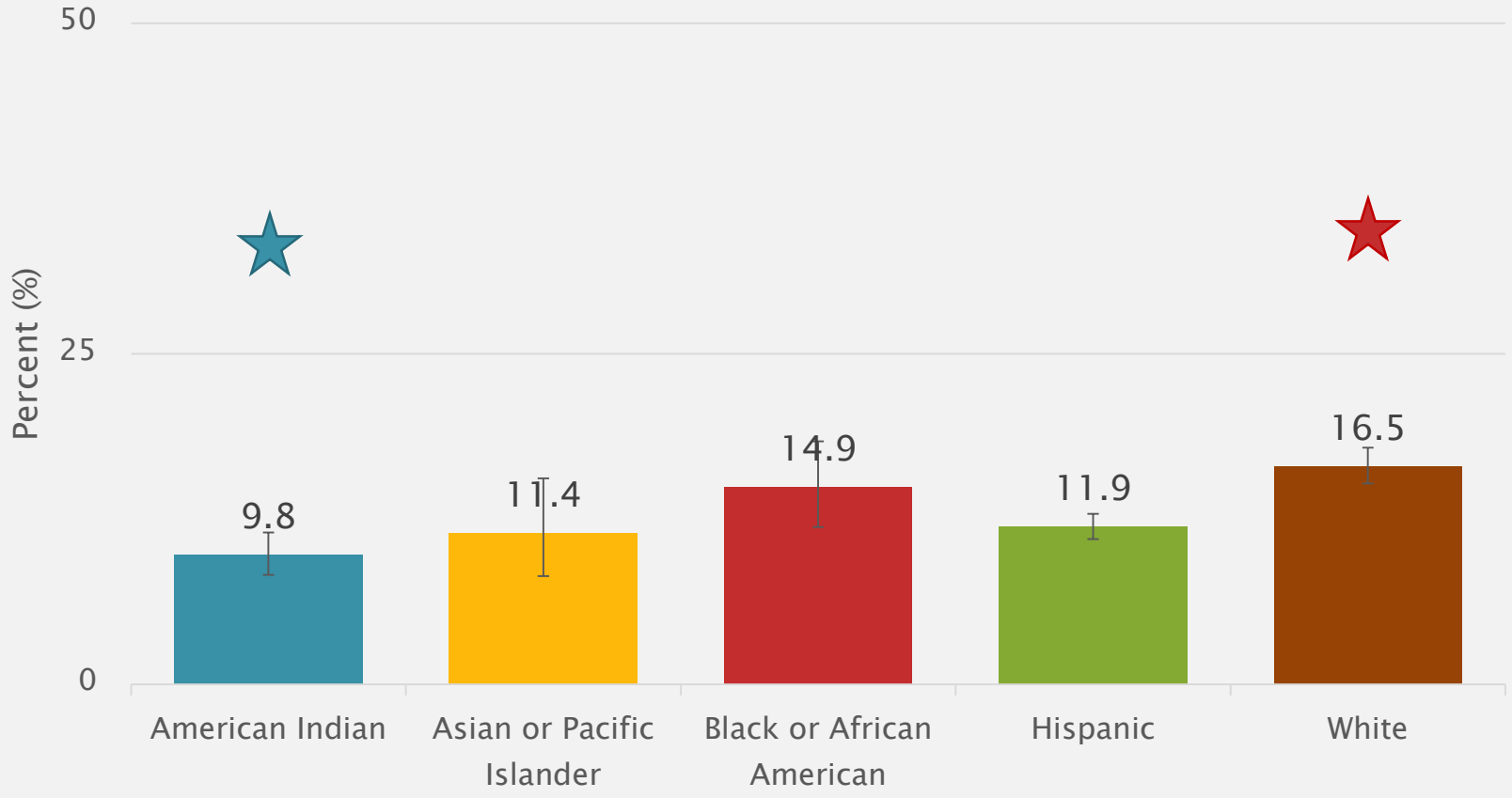
- Do you have any physical disabilities or long-term health problems?
  - (Long-term means 6 months or more.)
- We do not know
  - What specific physical disabilities or health problems students are living with.
- We do know
  - Risks that confront these students.

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

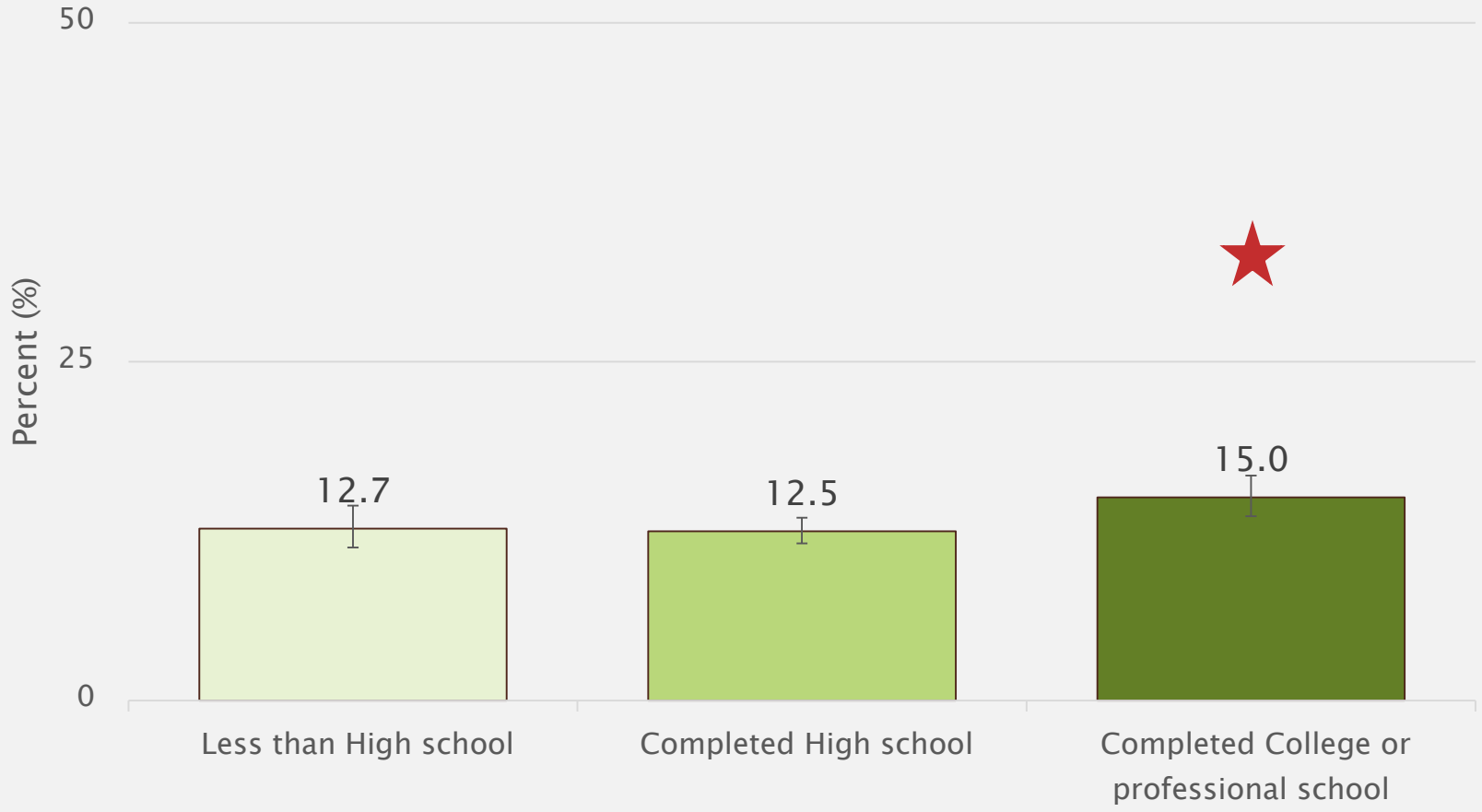
Who are students with physical disabilities or long-term health problems?

- Physical disabilities / LTHP are not associated with
  - Sex
  - Age/Grade level
- Physical disabilities / LTHP are associated with
  - Race/ethnicity
  - Parent education (Socio-economic status)

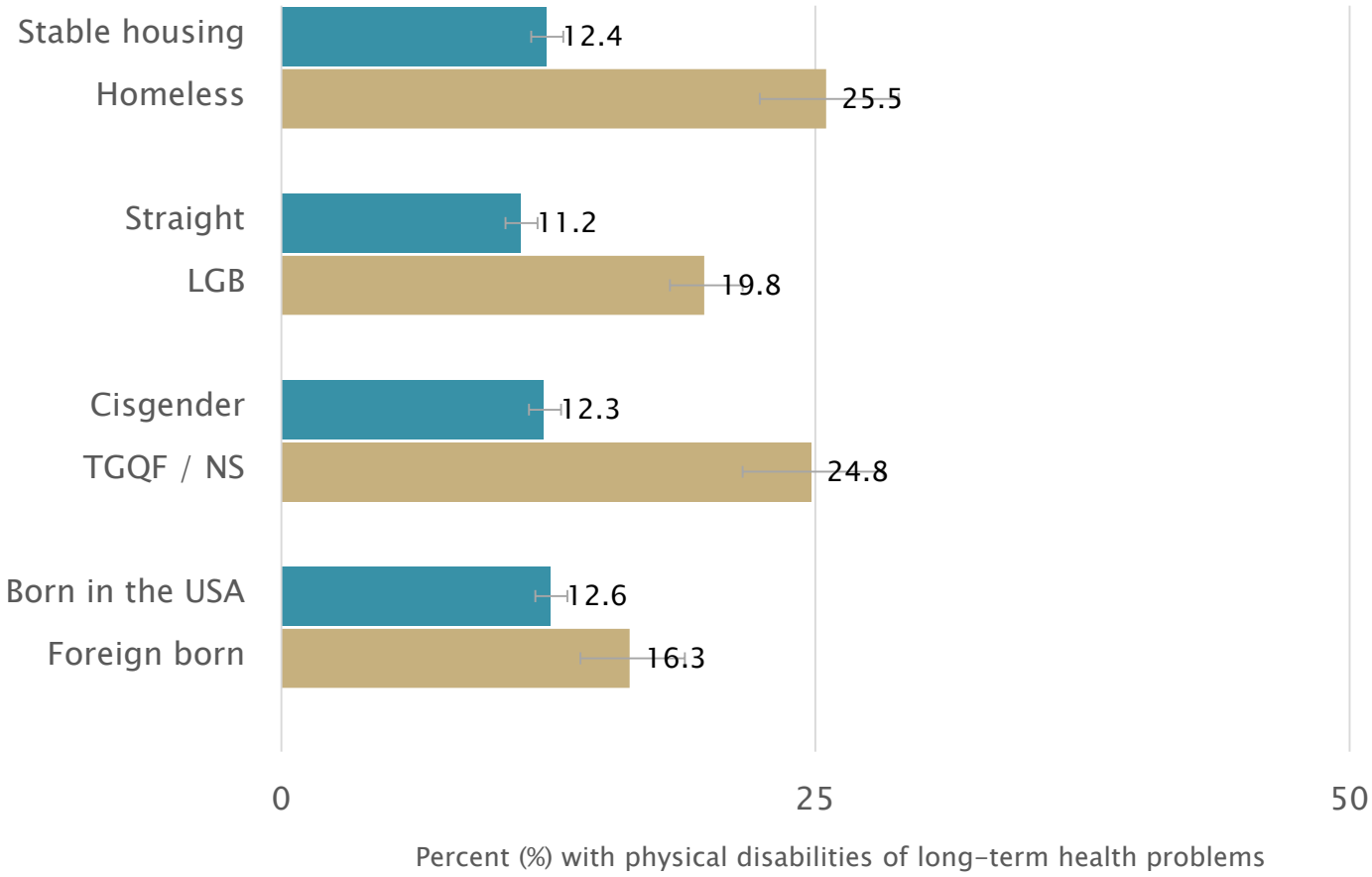
Physical Disabilities or Long-Term Health Problems by Race/Ethnicity, High School, NM, 2019



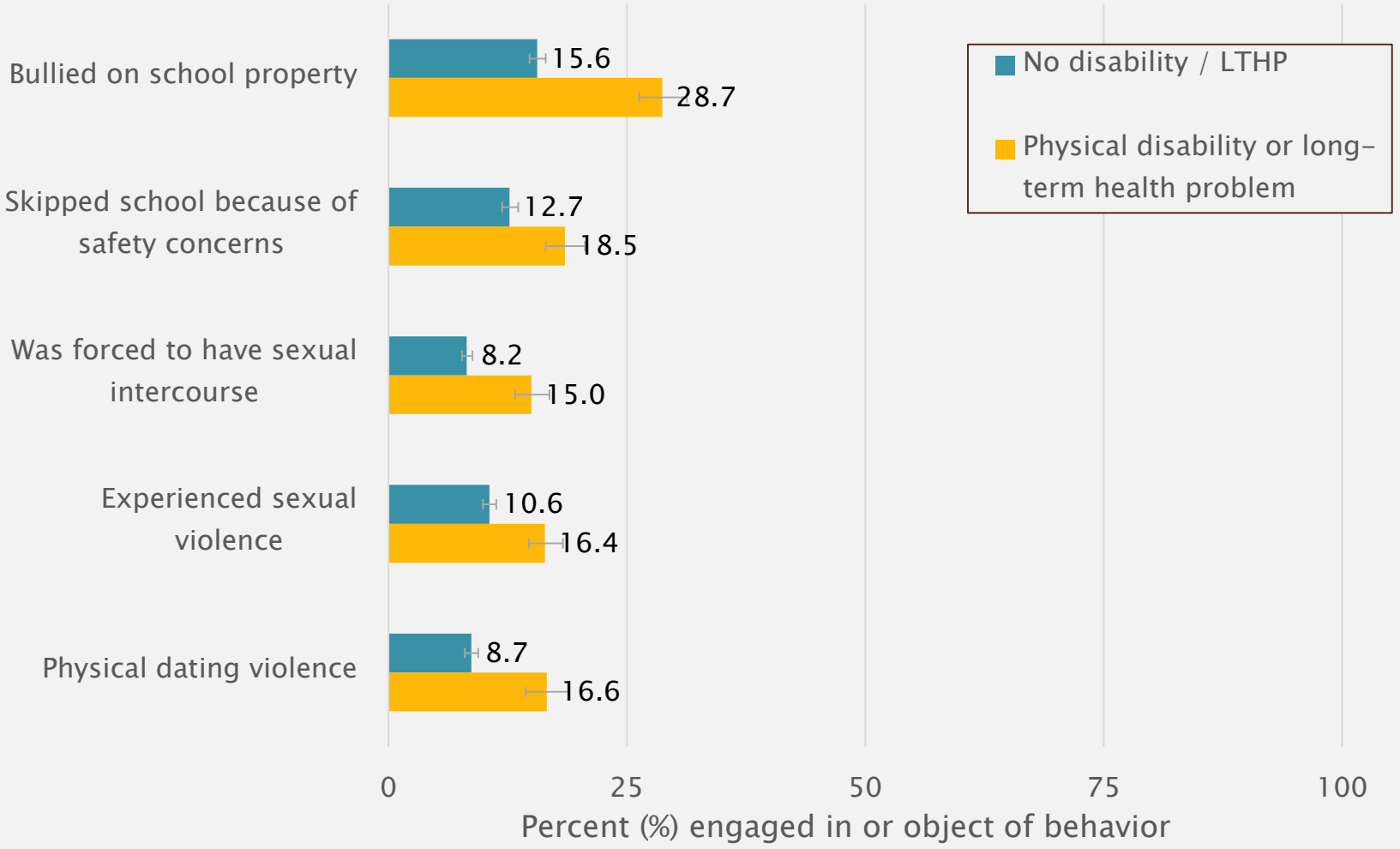
Physical Disabilities or Long-Term Health Problems by Parent Education, High School and Middle School, NM, 2019



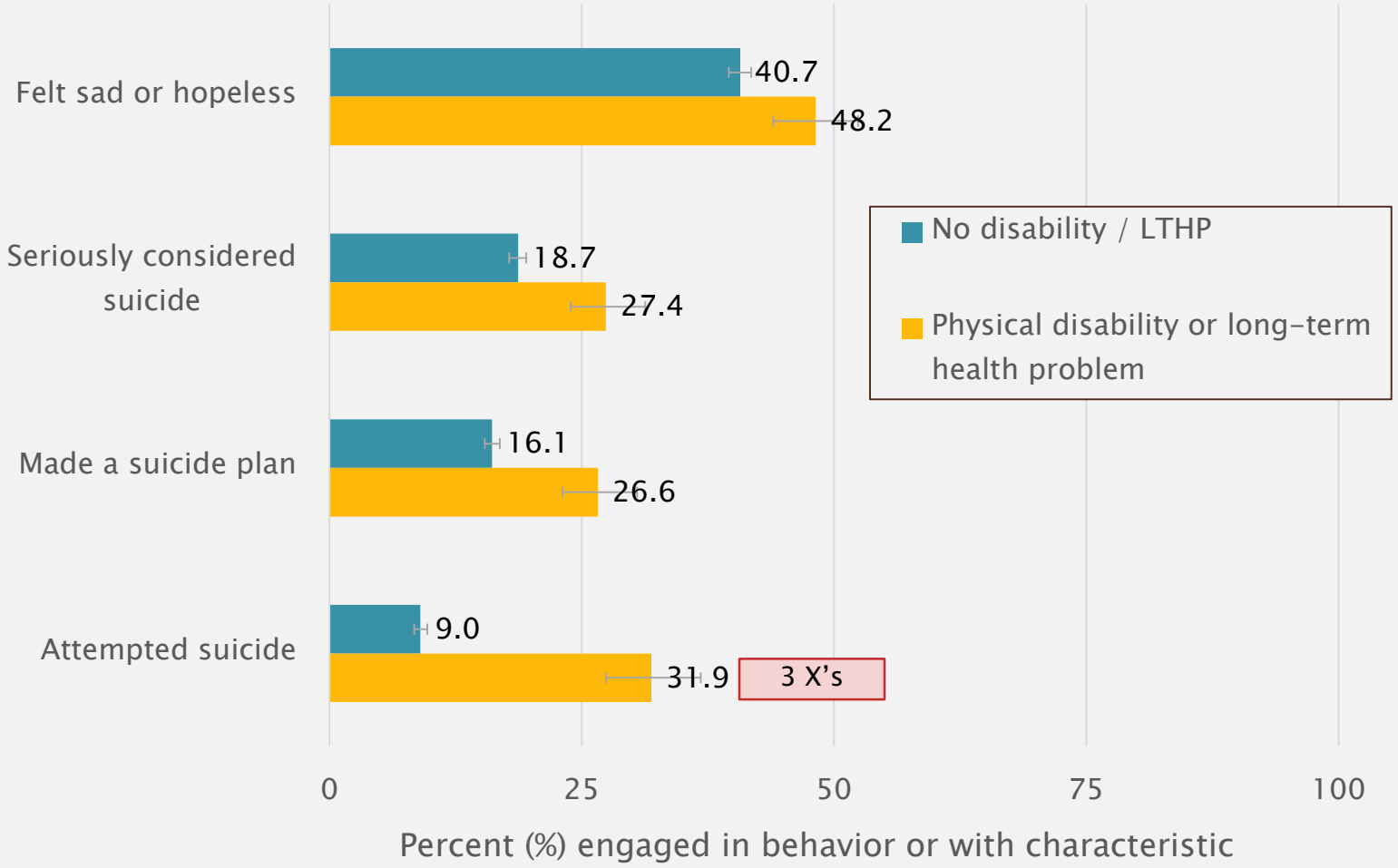
Physical Disabilities or Long-term Health Problems by High Risk Characteristics Grades 9-12, 2019, NM



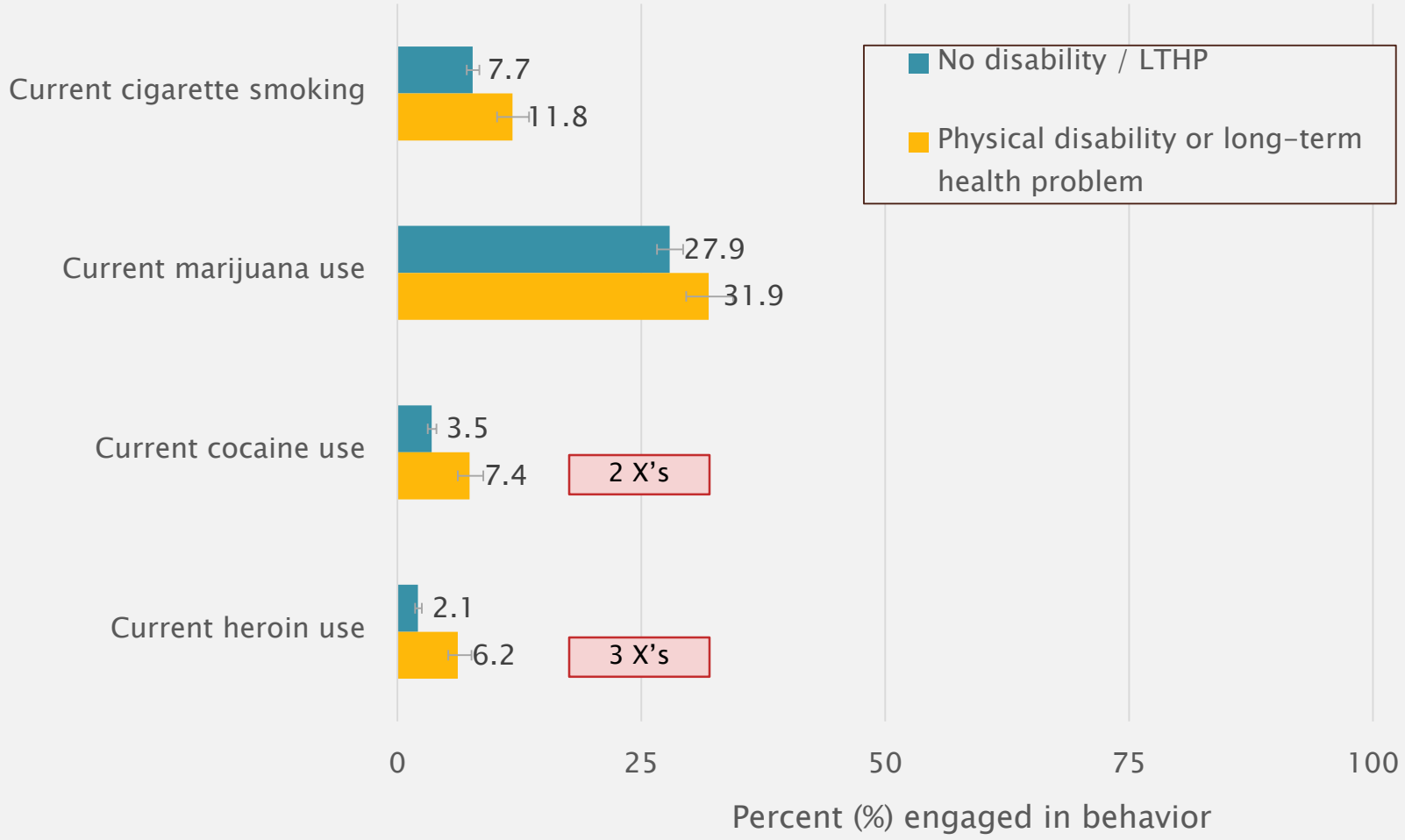
Bullying, School Safety, and Sexual Violence by Physical Disabilities or Long-term Health Problems, High School, 2019, NM



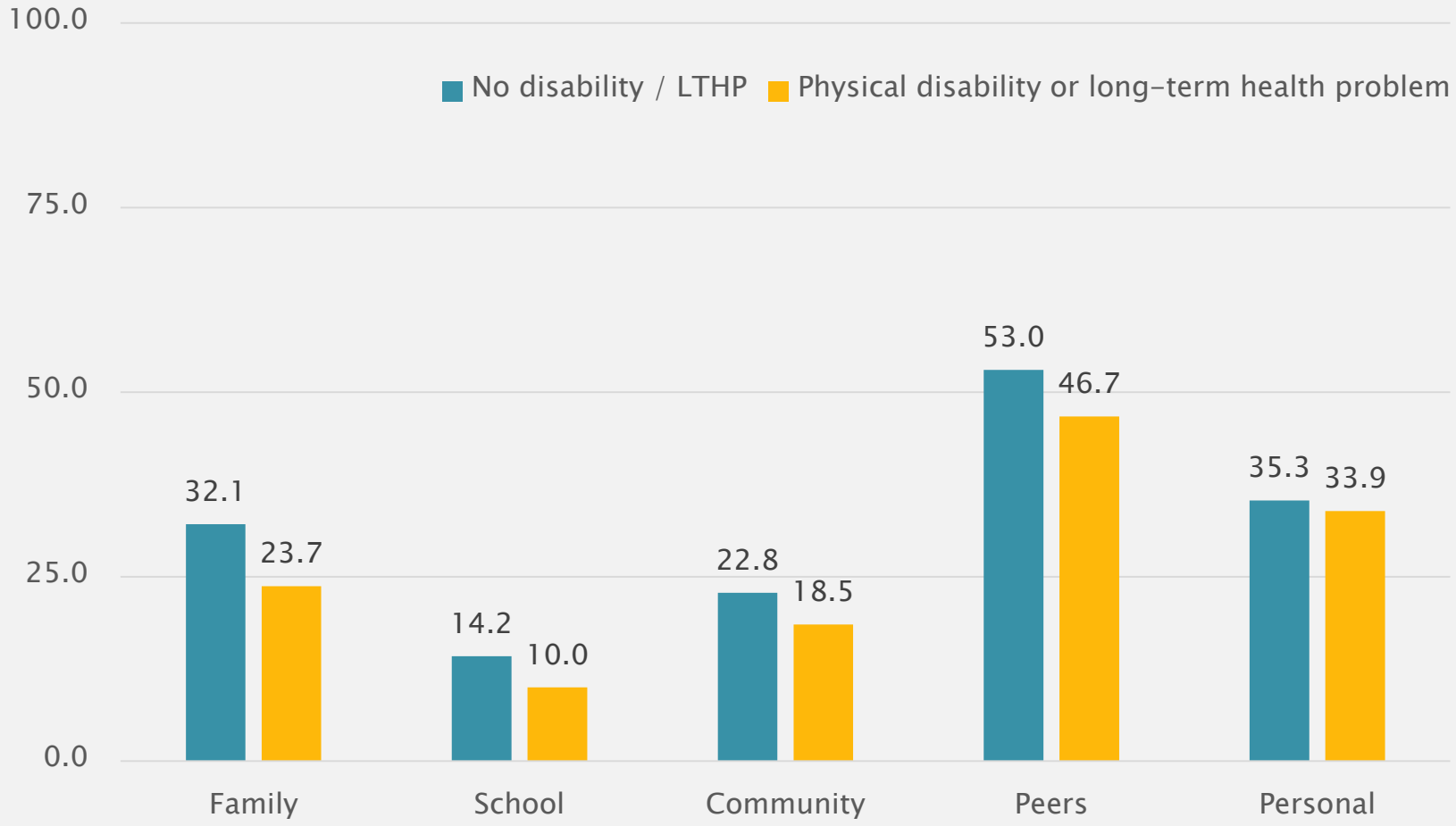
Mental Health and Suicidal Behaviors by Physical Disabilities or Long-term Health Problems, High School, 2019, NM



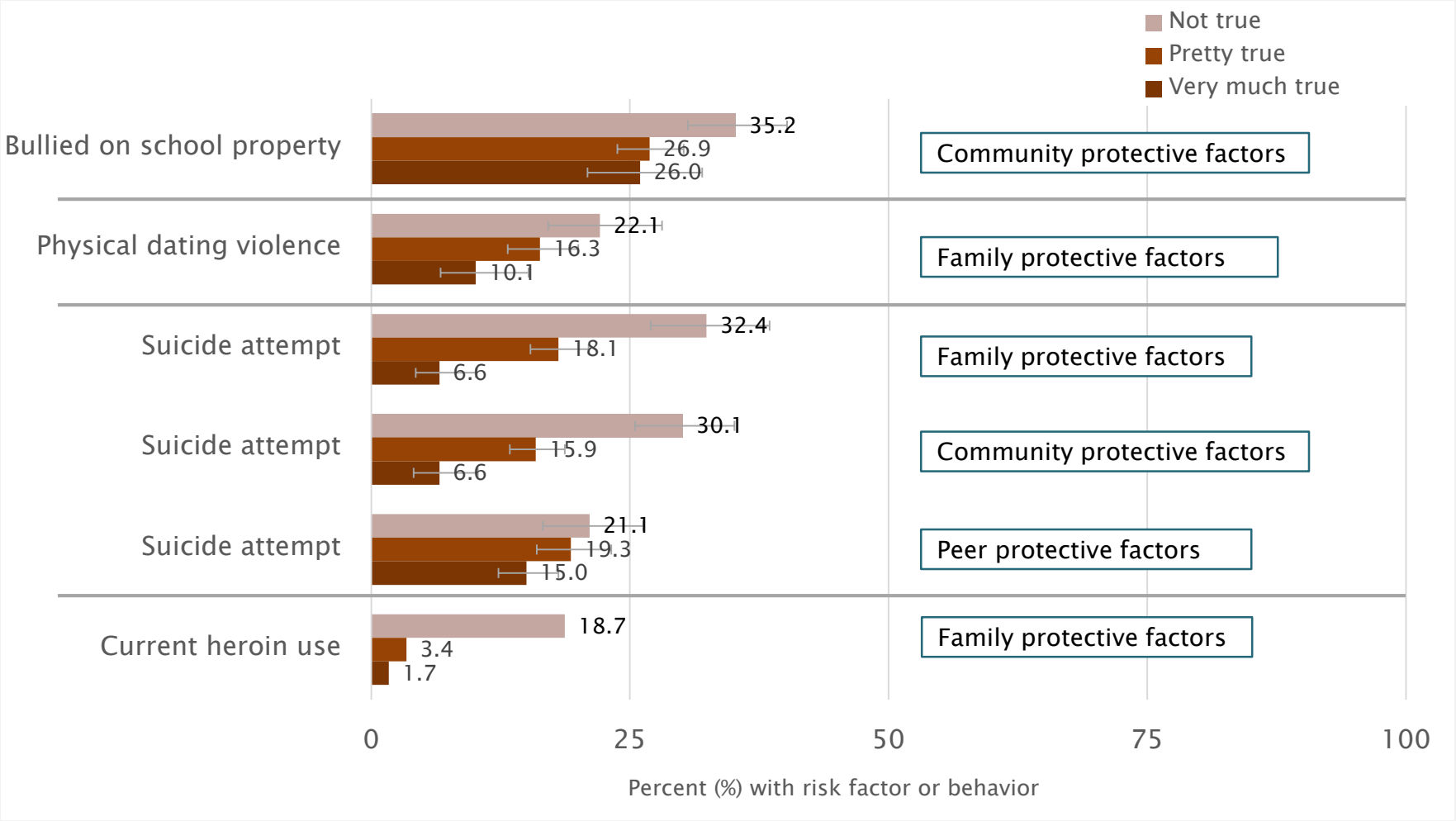
Alcohol, Tobacco and Drug Use by Physical Disabilities or Long-term Health Problems, High School, 2019, NM



Highest Level of Resiliency Factor by Physical Disabilities or Long-term Health Problems, Grades 9-12, 2019, NM



Selected Risk Behaviors by Resiliency Factors among Students with Physical Disabilities or Long-term Health Problems, Grades 9-12, 2019, NM



Sexual Identity

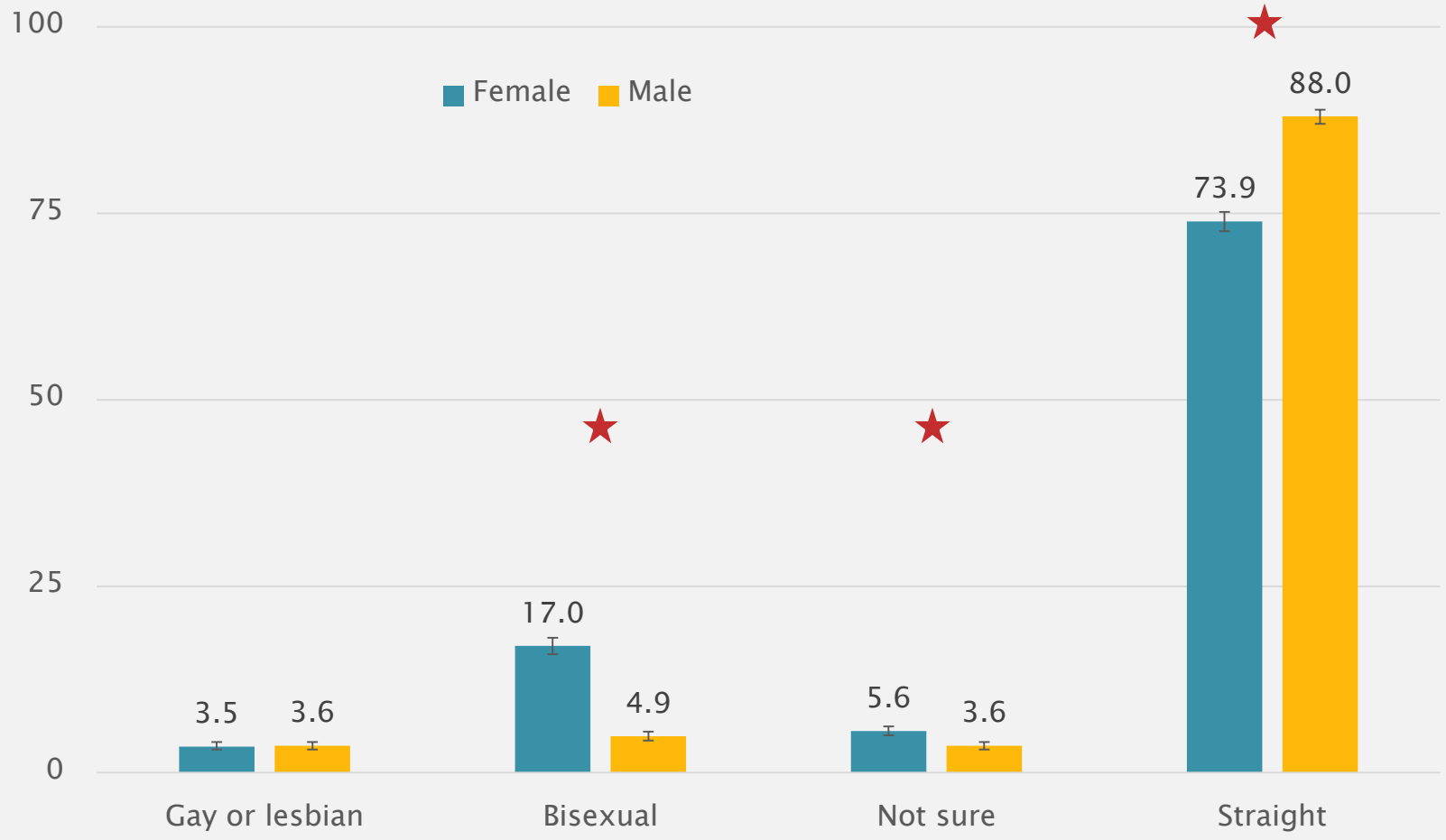
- Which of the following best describes you?
  - Heterosexual (straight); Gay or lesbian; Bisexual; Not sure
- We do not know
  - What students mean when they say, “Not sure”.
- We do know
  - Risk profile of students who say, “Not sure”, resembles risk profile of LGB students.
    - In many cases, we treat them as if they are questioning their sexuality.
    - This will be clarified in the question we ask in 2021.

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

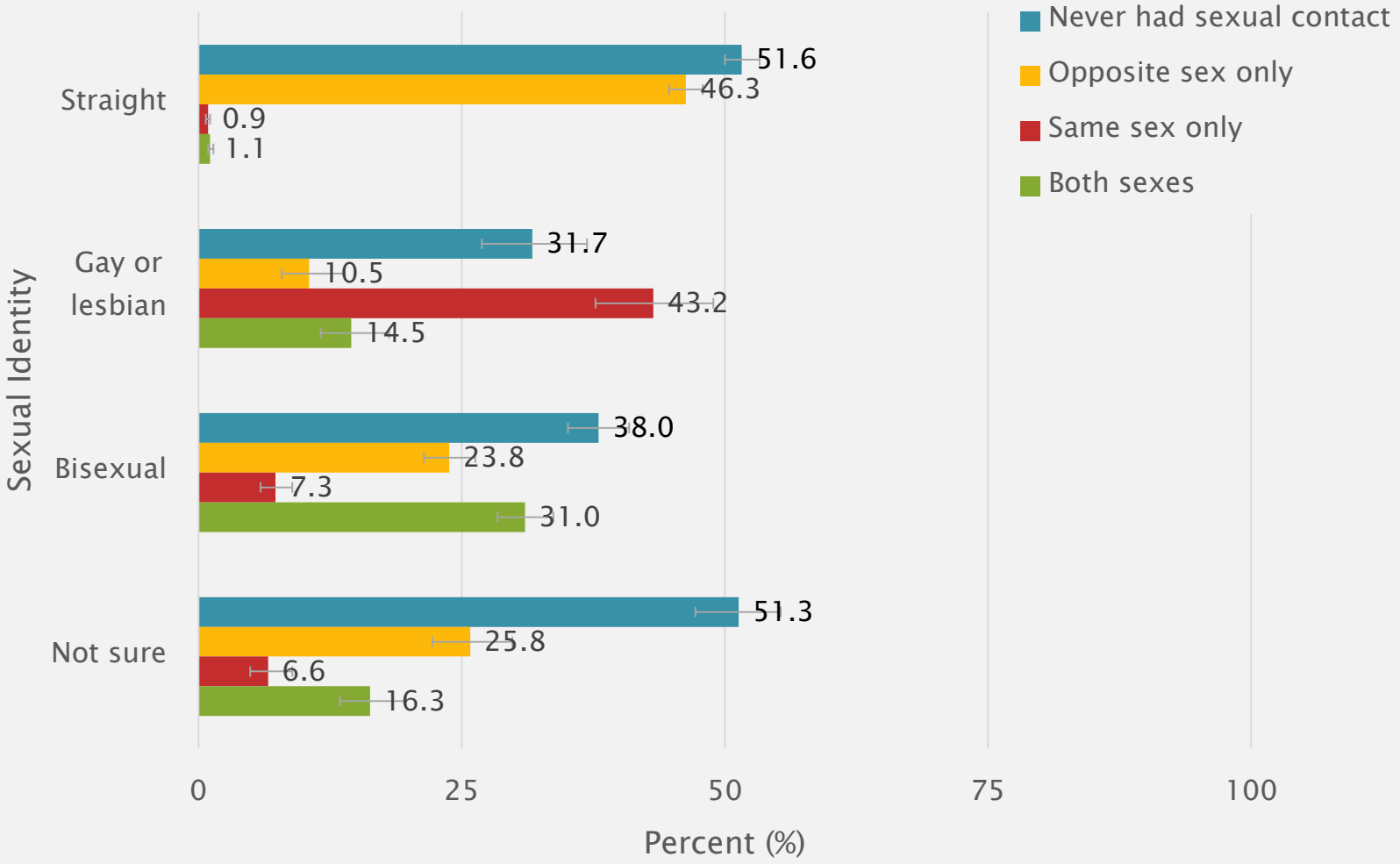
Who are students who identify as lesbian, gay, or bisexual?

- Sexual identity is not associated with
  - Age/Grade level
  - Race/ethnicity
  - Parent education (Socio-economic status)
  - Geographic region
  - Rural or Urban status
- Sexual identity is associated with
  - Sex
  - Homelessness

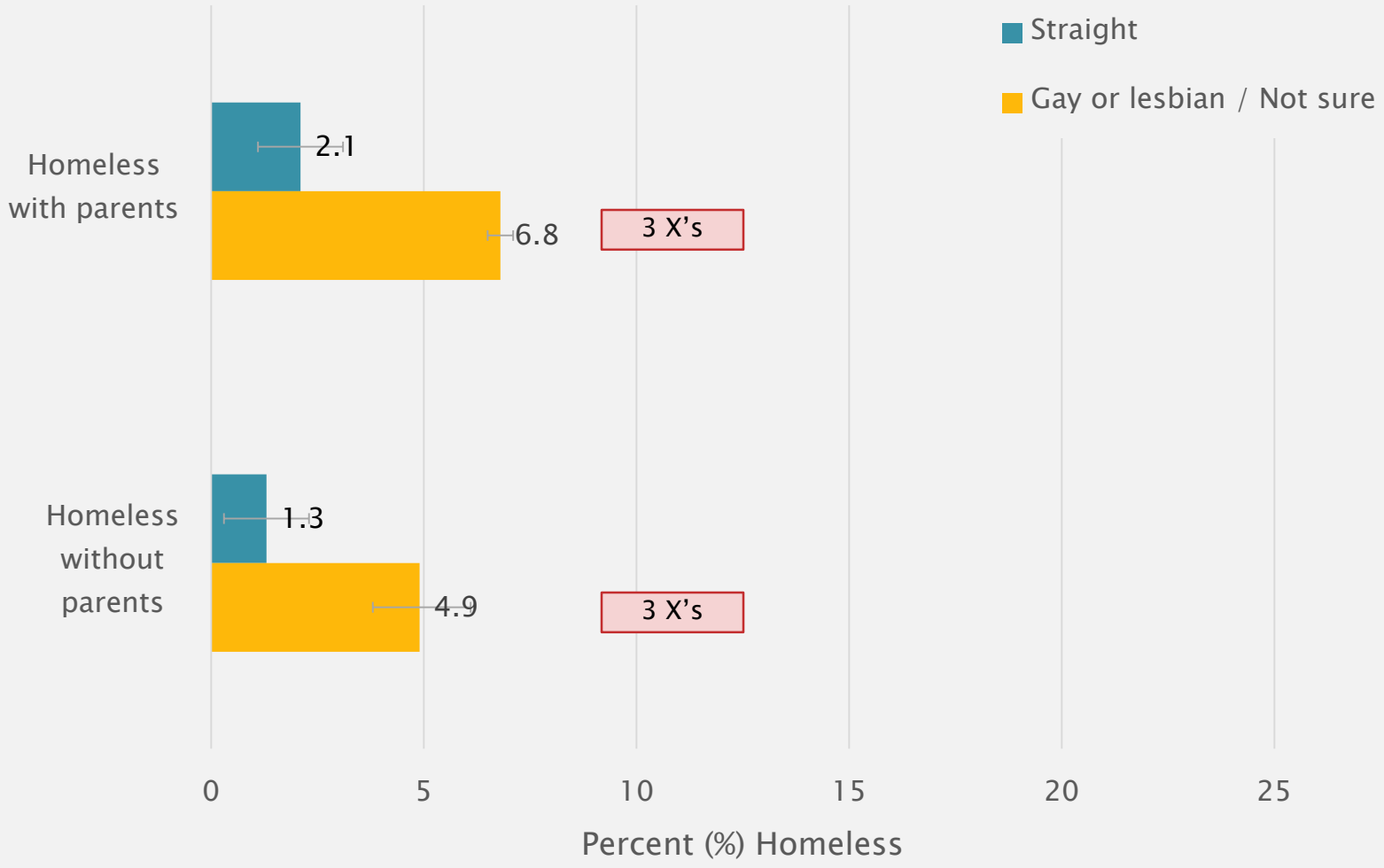
Sexual Identity by Sex Grades 9–12, 2019, NM



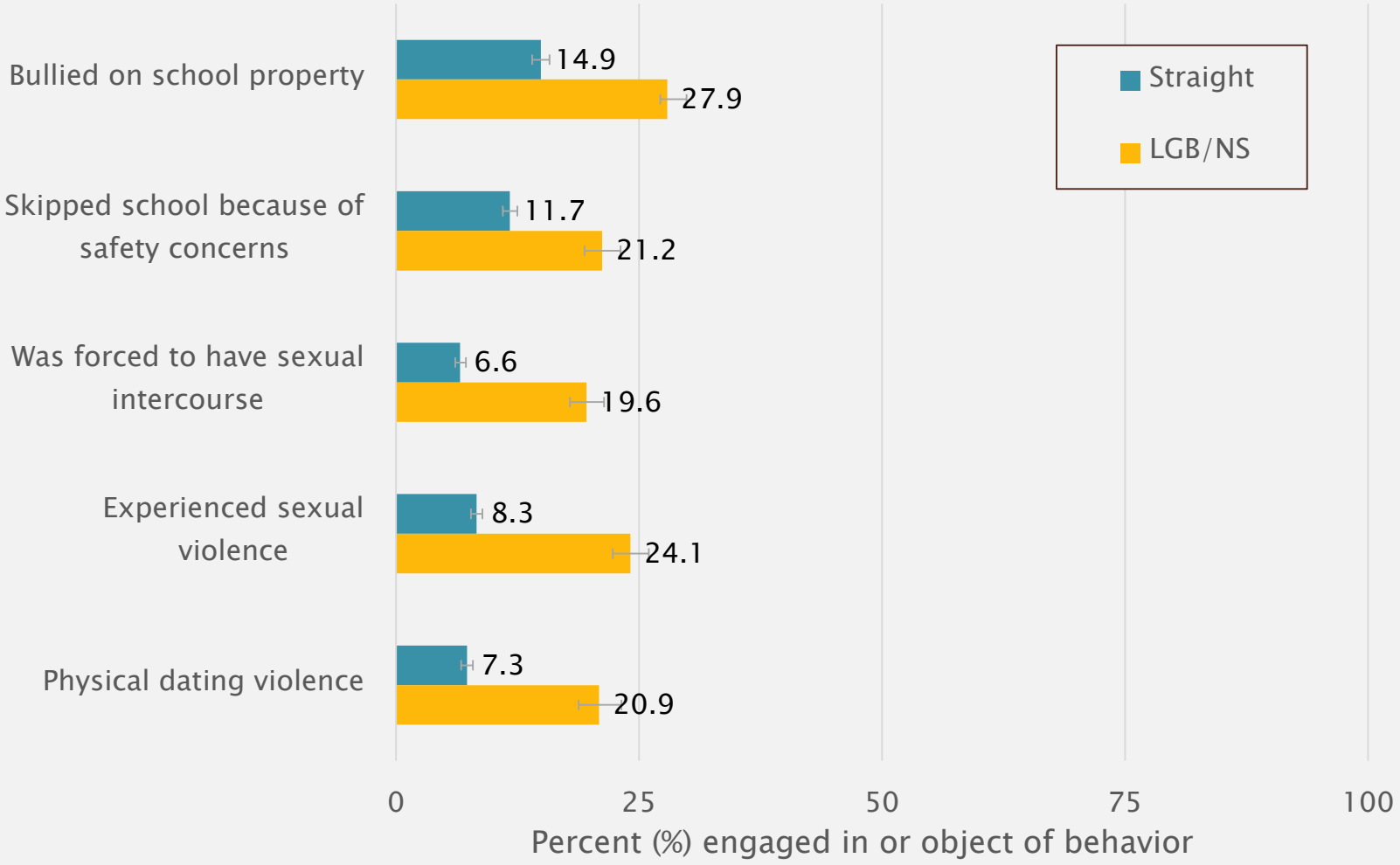
Sex of Sexual Contacts by Sexual Identity, Grades 9–12, 2019, NM



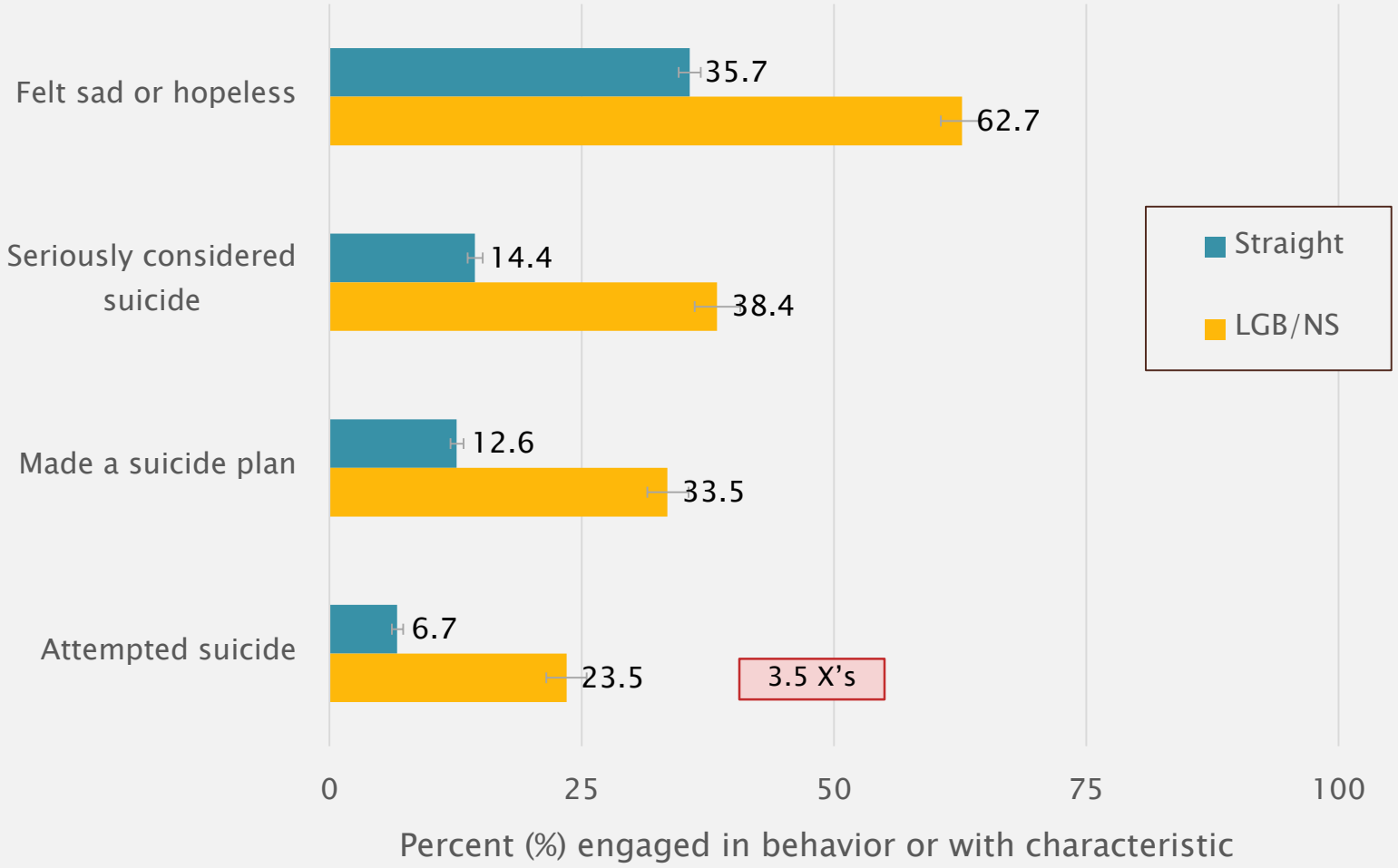
Homeless by Sexual Identity Grades 9-12, 2019, NM



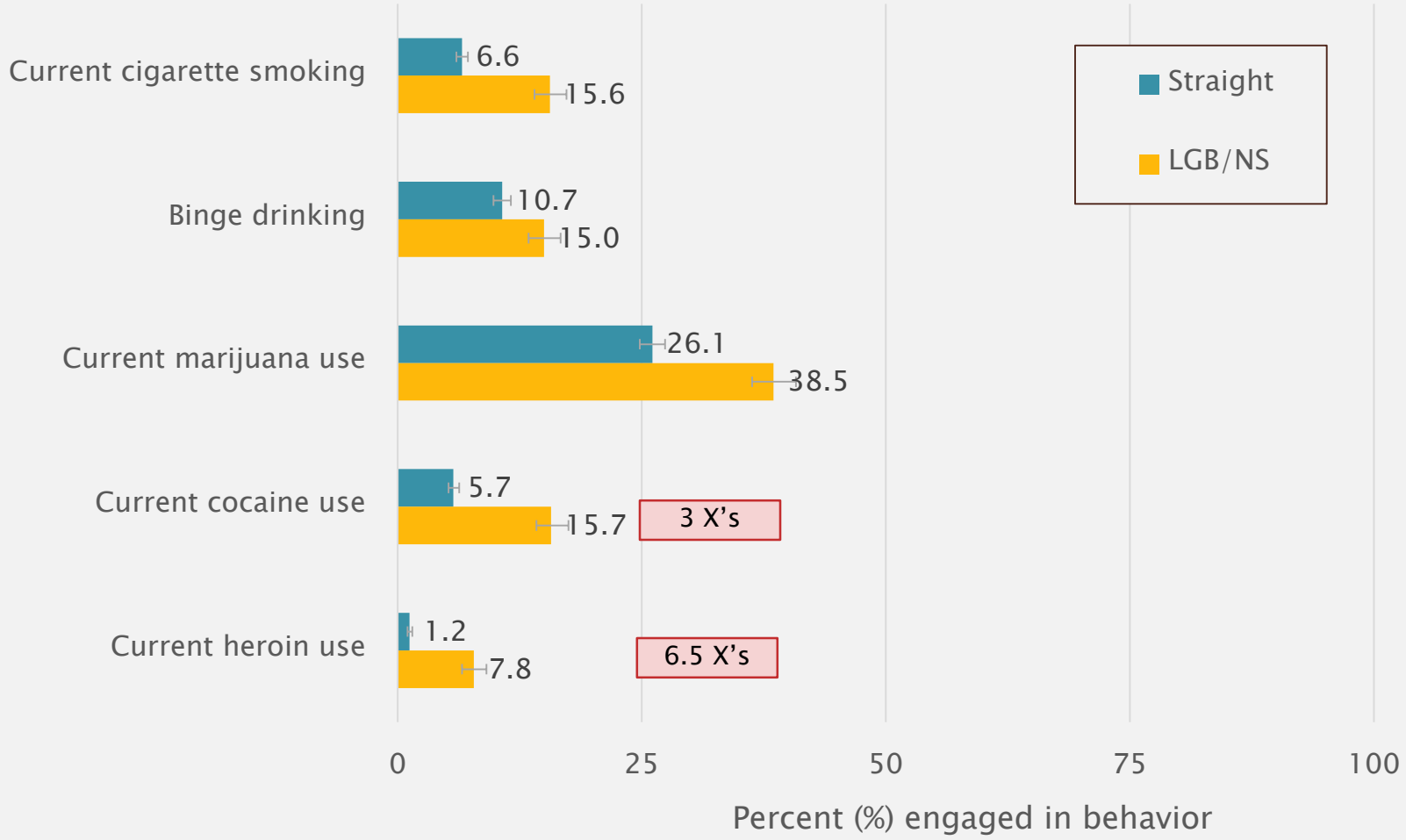
Bullying, School Safety, and Sexual Violence by Sexual Identity, High School, 2019, NM



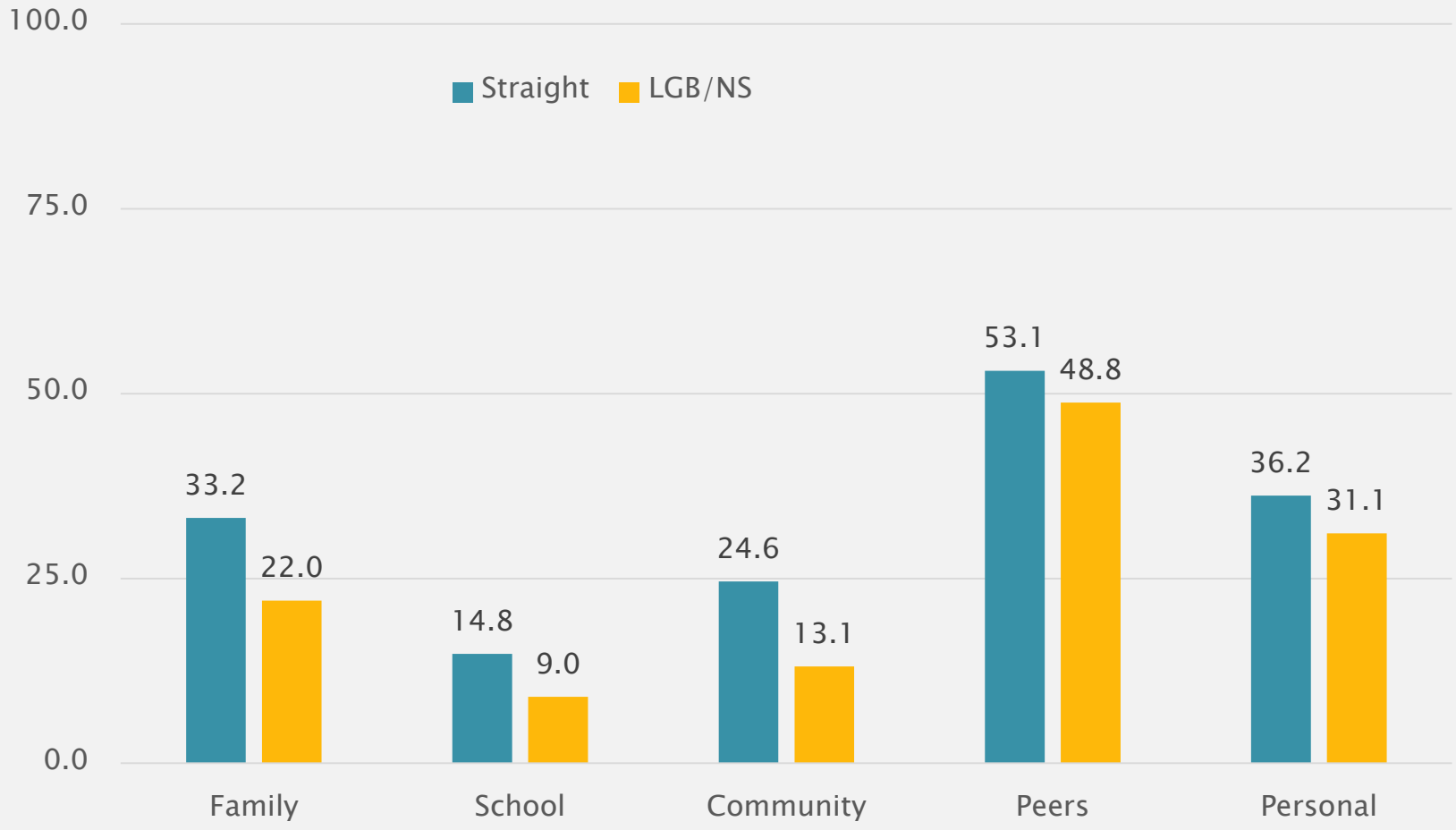
Mental Health and Suicidal Behaviors by Sexual Identity, High School, 2019, NM



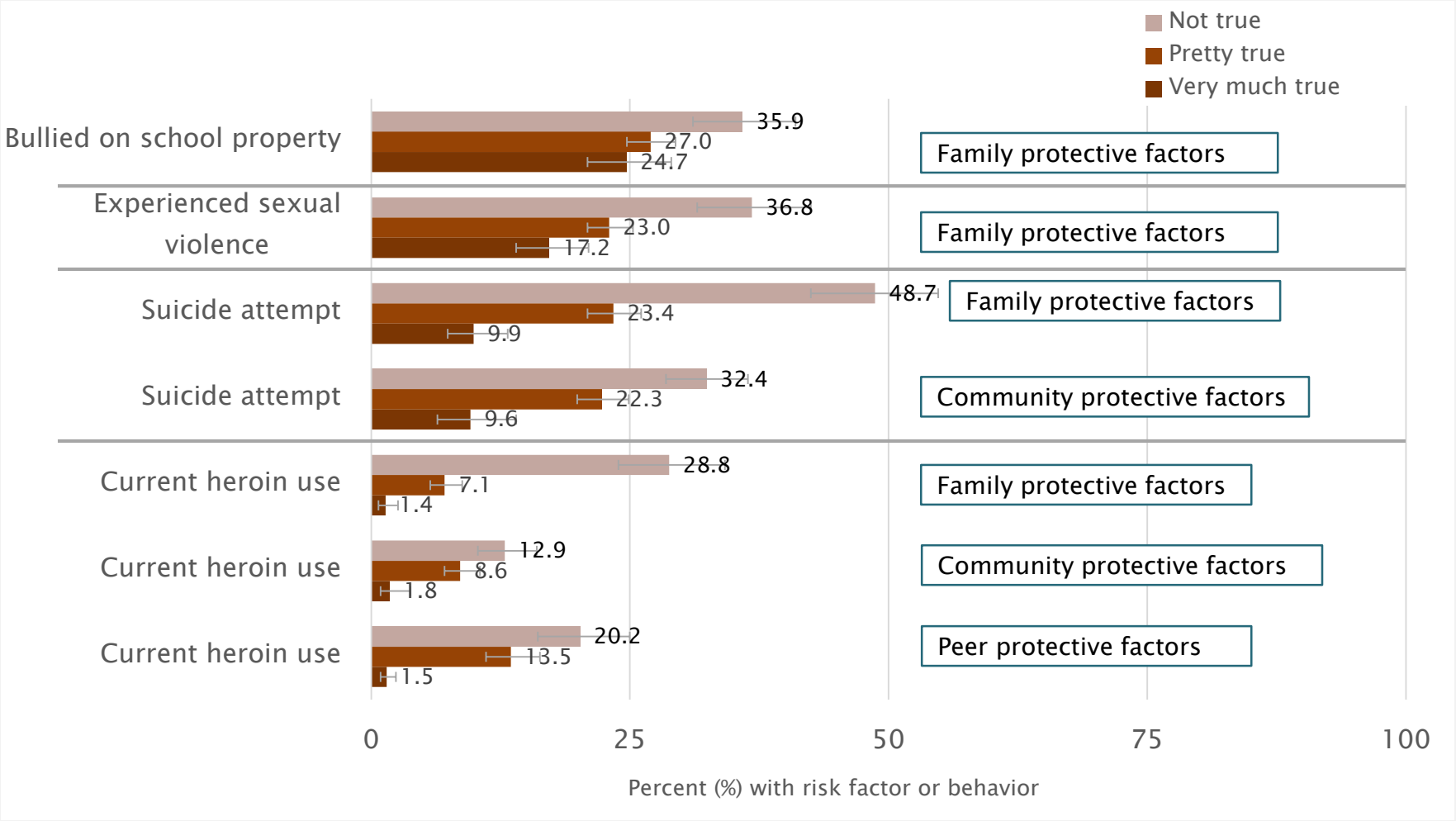
Alcohol, Tobacco and Drug Use by Sexual Identity, High School, 2019, NM



Highest Level of Resiliency Factor by Sexual Identity, Grades 9–12, 2019, NM



Selected Risk Behaviors by Resiliency Factors among Lesbian, Gay, Bisexual, and Students Not Sure of Sexual Identity, Grades 9–12, 2019, NM

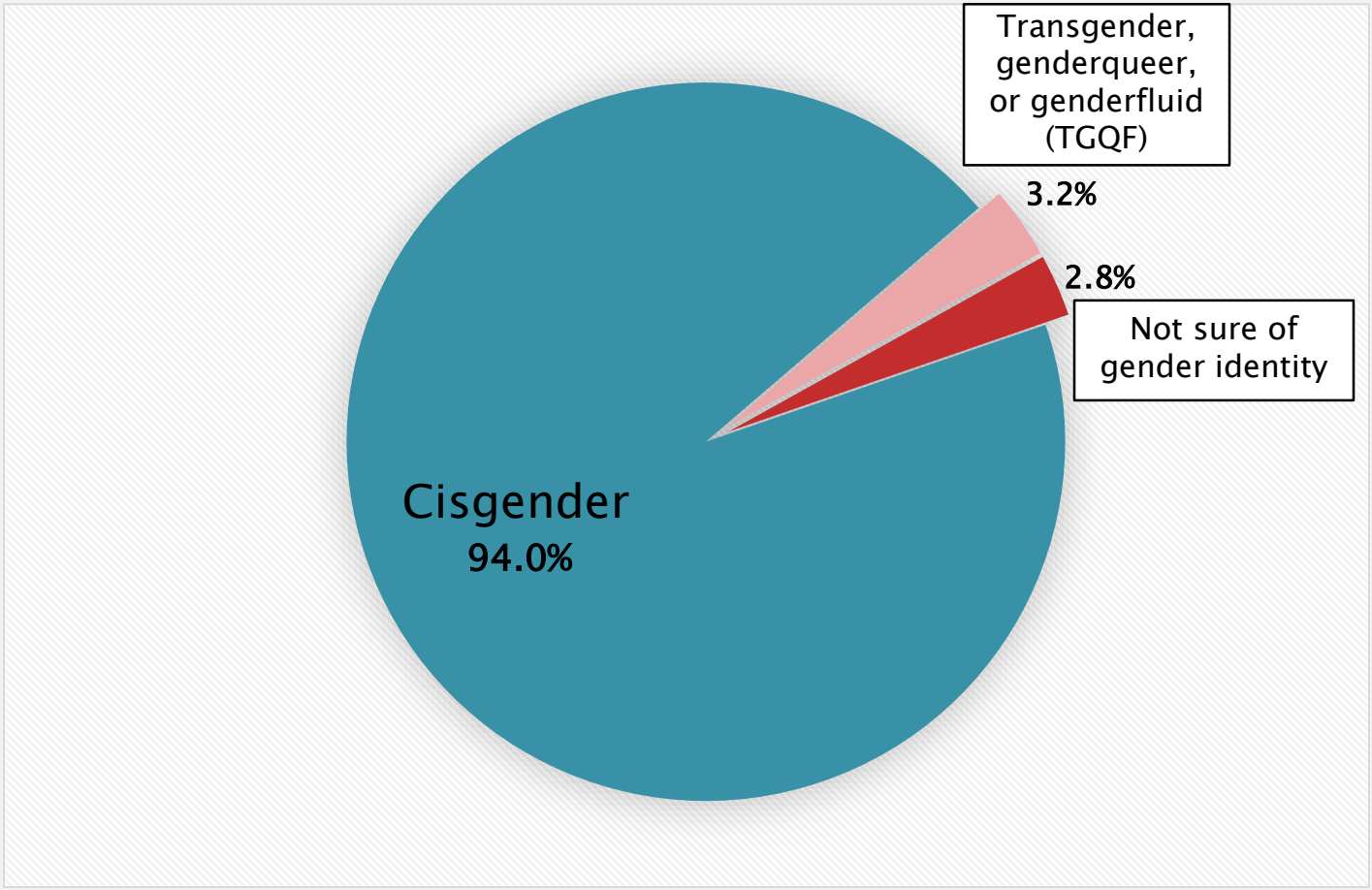


Gender Identity

- Do you consider yourself transgender, genderqueer, or genderfluid?
  - No, I am not transgender, genderqueer, or genderfluid
  - Yes, I am transgender, genderqueer, or genderfluid
  - I am not sure if I am transgender, genderqueer, or genderfluid
  - I do not know what this question is asking
- We do not know
  - What students mean when they say, “Not sure”.
- We do know
  - Risk profile of students who say, “Not sure”, resembles risk profile of transgender, genderqueer, or genderfluid students.
    - In many cases, we treat them as if they are questioning their gender identity.

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

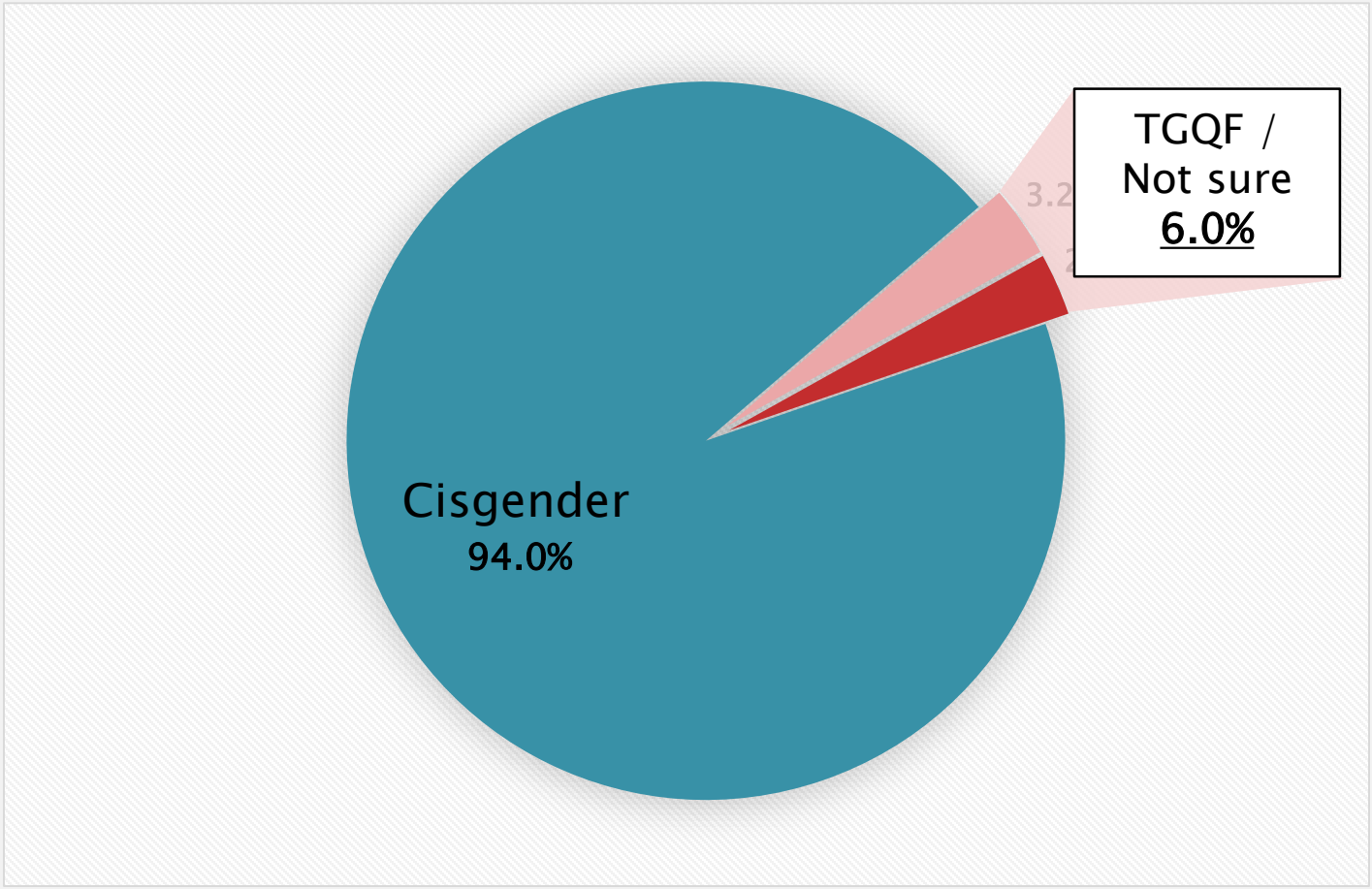
Homeless: Accompanied and Unaccompanied by Parents, Grades 9–12, 2019, NM



*In the past 30 days.

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

Homeless: Accompanied and Unaccompanied by Parents, Grades 9–12, 2019, NM



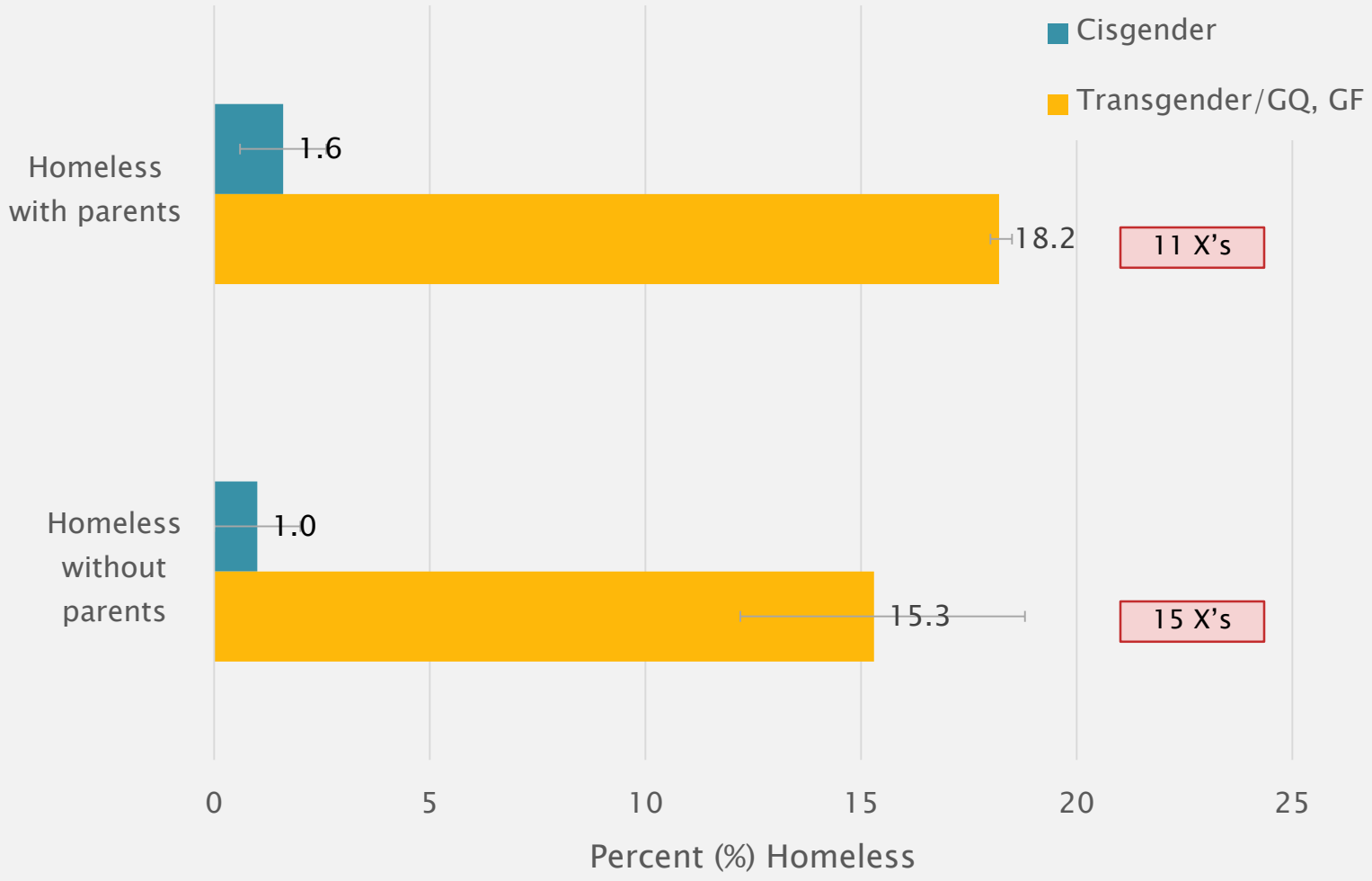
*In the past 30 days.

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

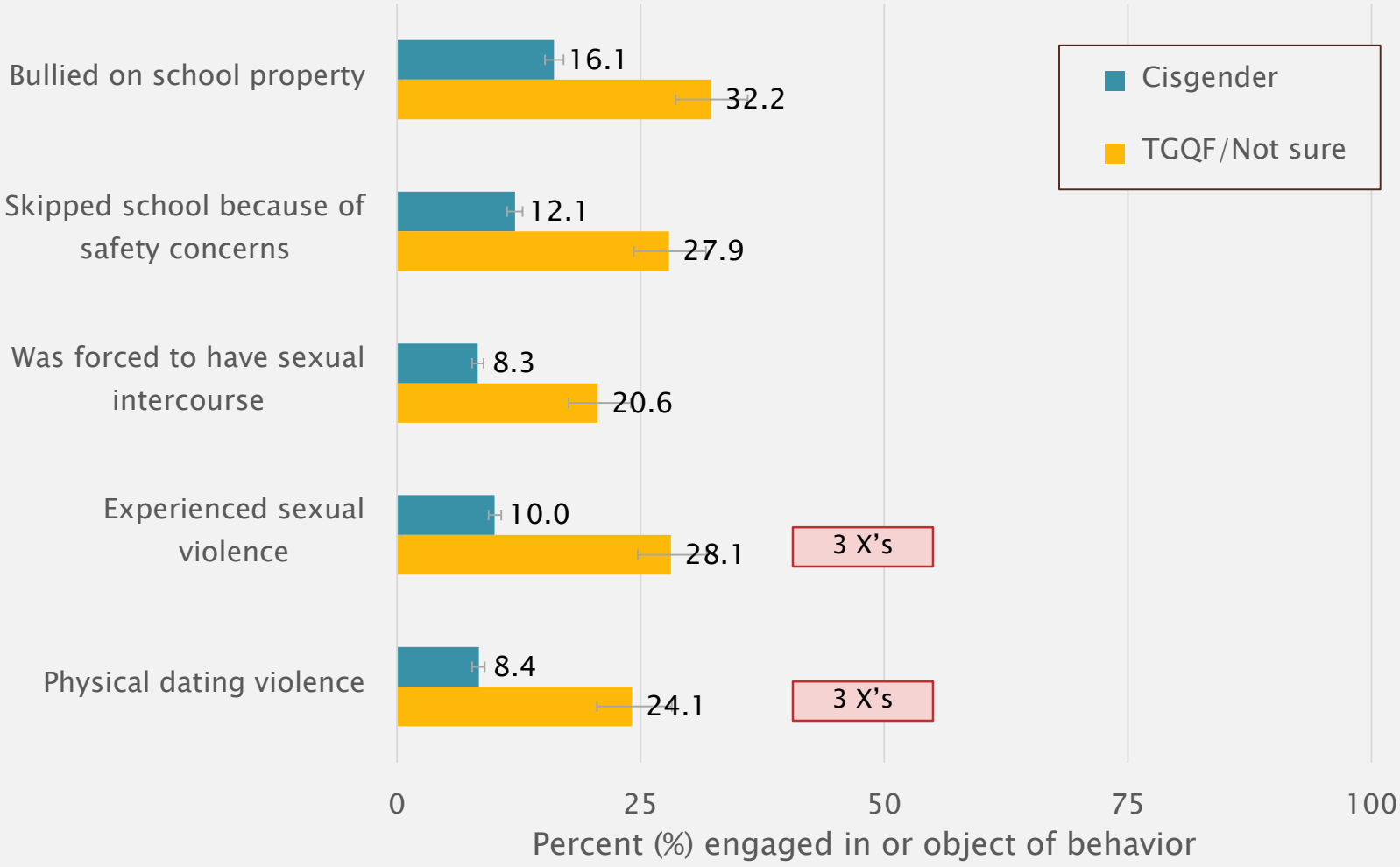
Who are students who identify as transgender, genderqueer, or genderfluid?

- Gender identity is not associated with
  - Age/Grade level
  - Race/ethnicity
  - Parent education (Socio-economic status)
  - Geographic region
  - Rural or Urban status
  - Sex
- Gender identity is associated with
  - Homelessness

Homeless by Gender Identity Grades 9-12, 2019, NM

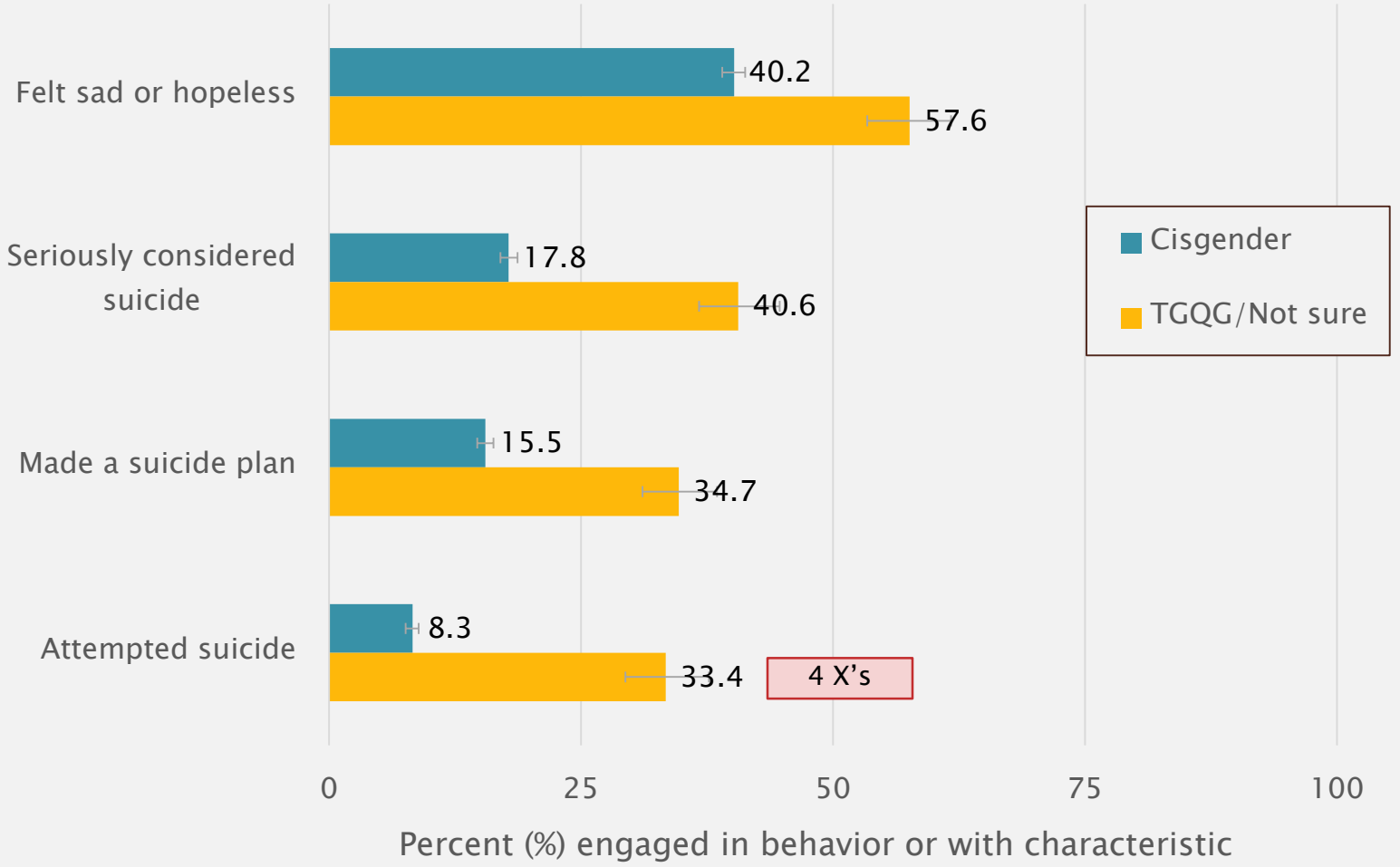


Bullying, School Safety, and Sexual Violence by Gender Identity, High School, 2019, NM



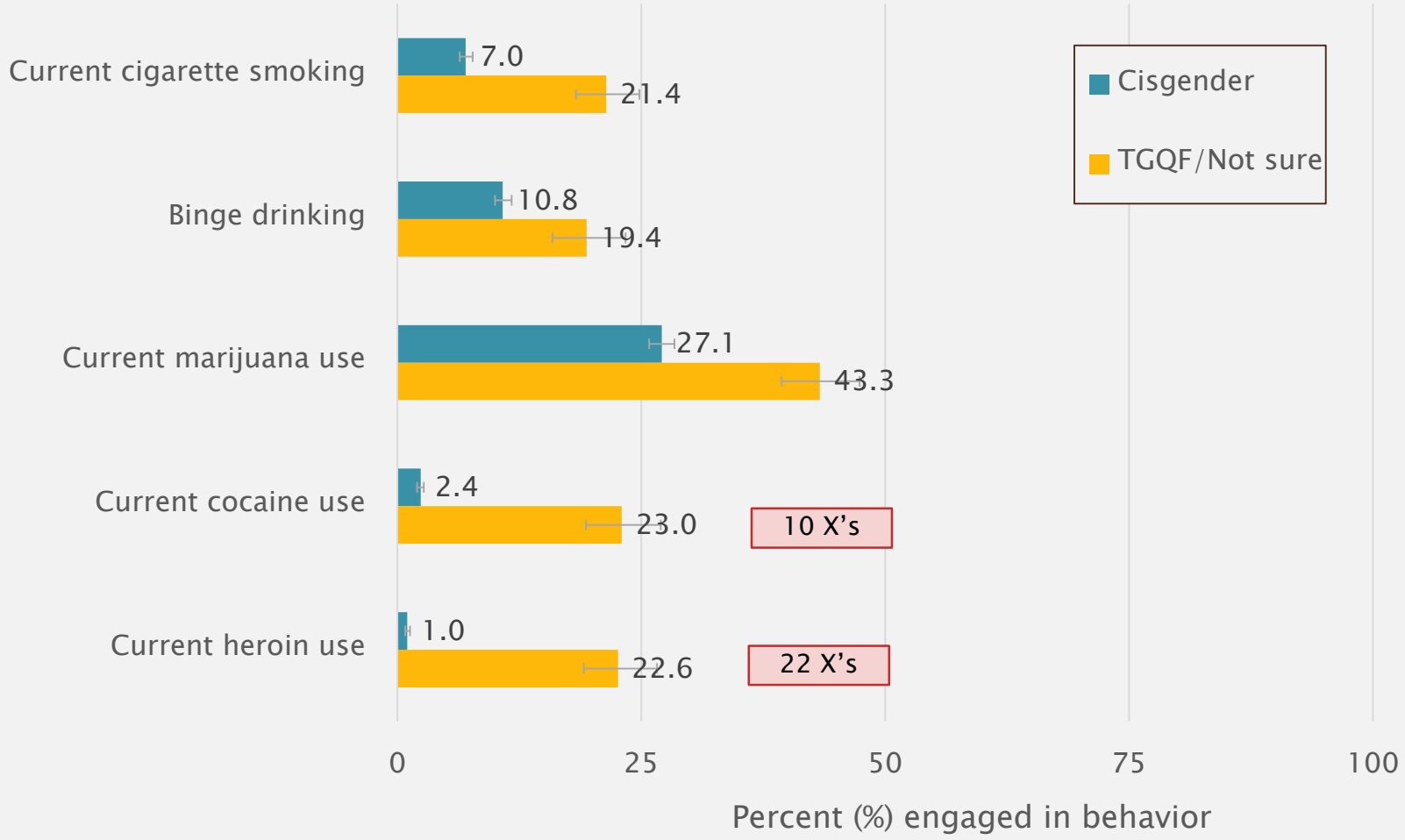
TGQF = Transgender, genderqueer, or genderfluid.

Mental Health and Suicidal Behaviors by Gender Identity, High School, 2019, NM



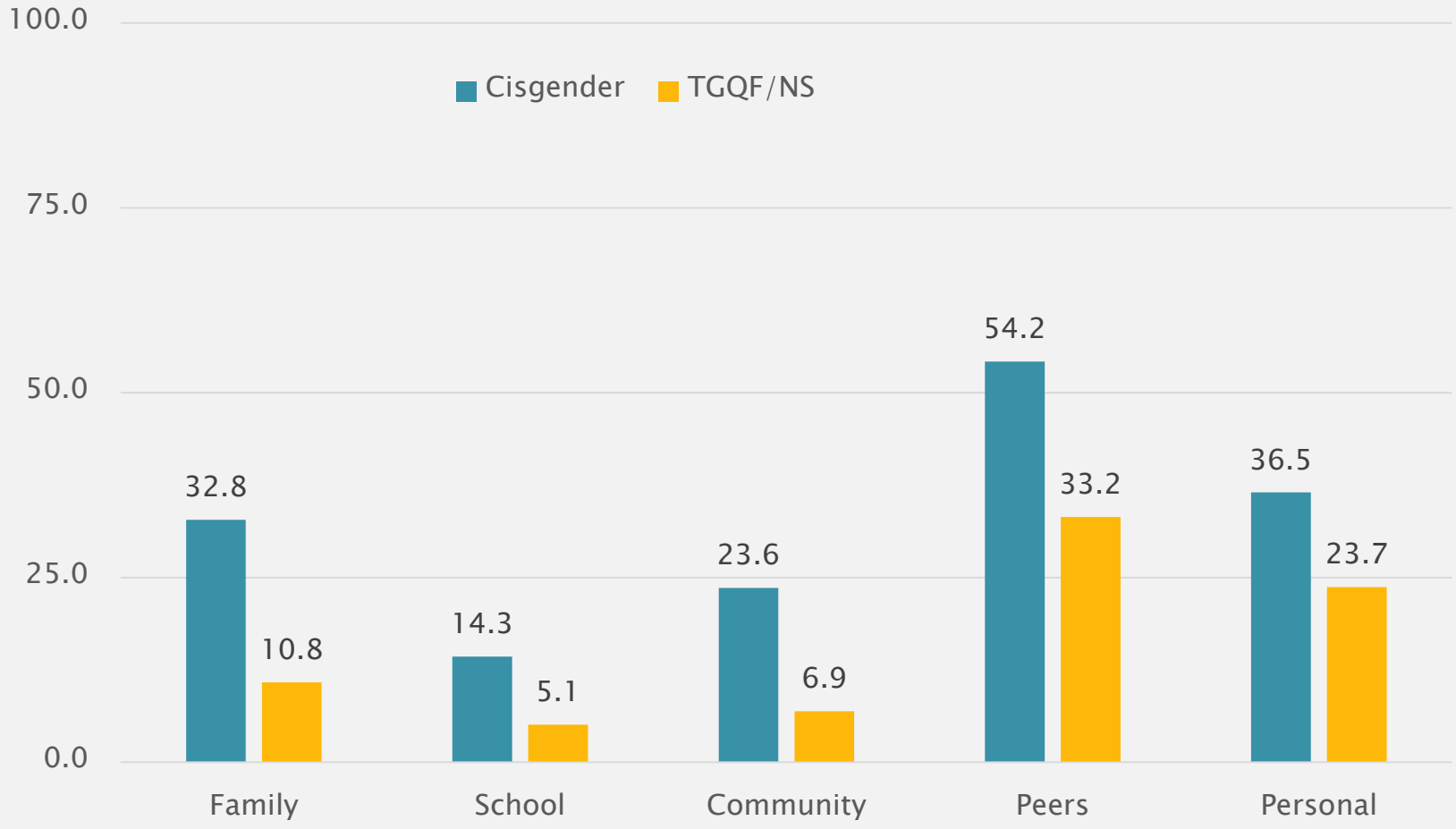
TGQF = Transgender, genderqueer, or genderfluid.

Alcohol, Tobacco and Drug Use by Gender Identity, High School, 2019, NM

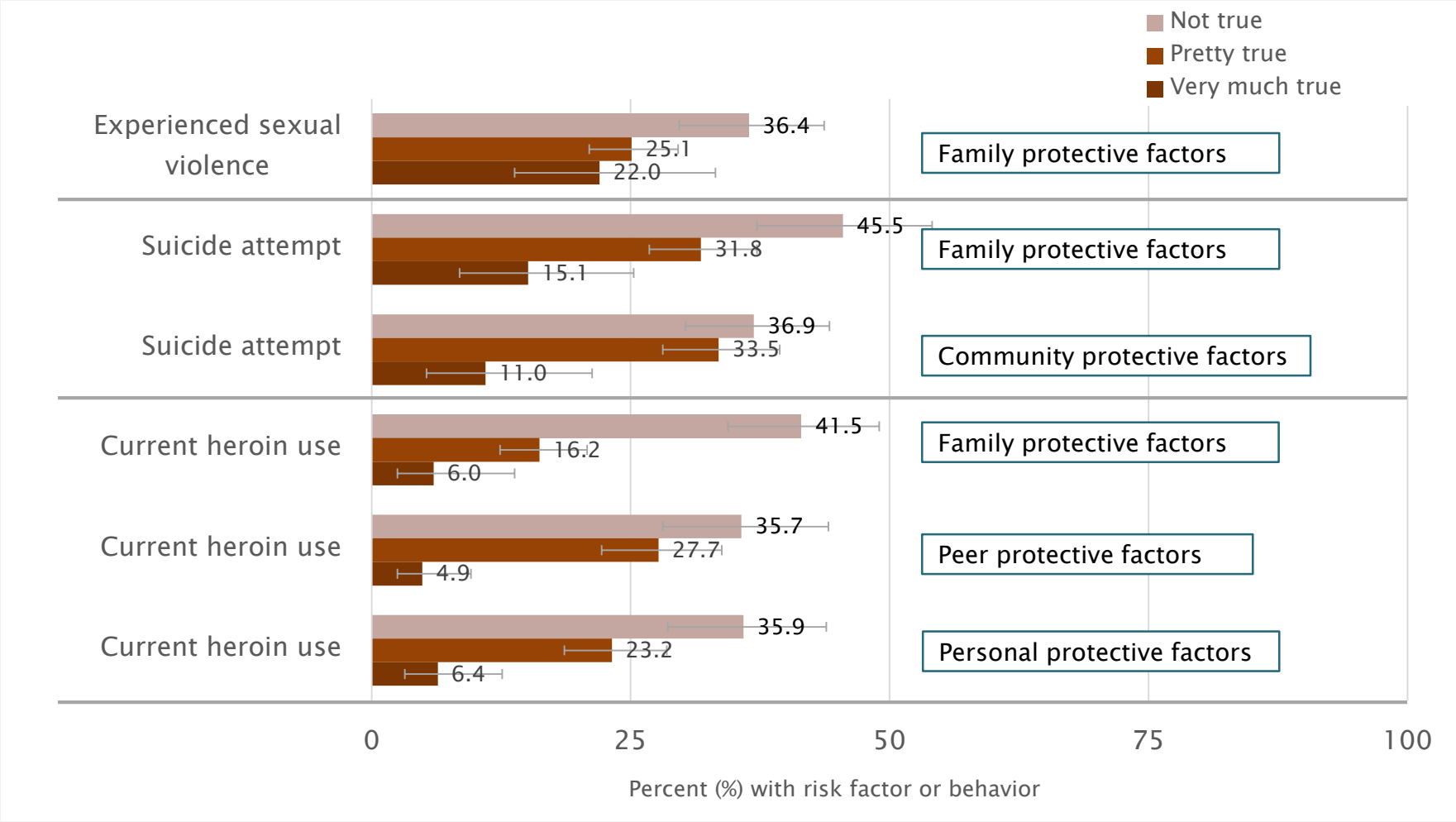


**TGQF = Transgender, genderqueer, or genderfluid.*

Highest Level of Resiliency Factor by Gender Identity, Grades 9–12, 2019, NM



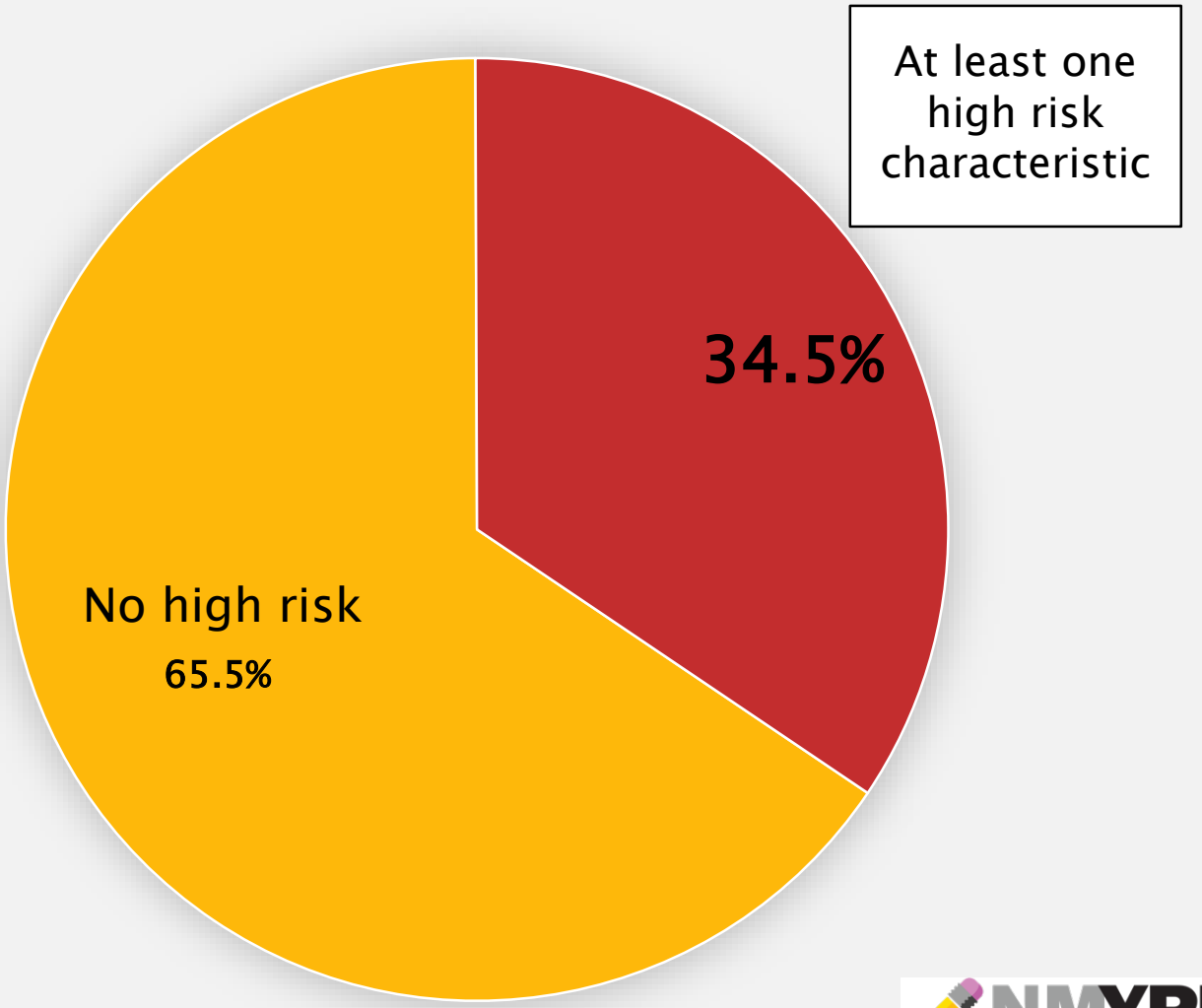
Selected Risk Behaviors by Resiliency Factors among Transgender, Genderqueer, or Genderfluid Students, Grades 9–12, 2019, NM



At Least One High Risk Characteristic

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

At Least one High Risk Characteristic Grades 9-12, 2019, NM

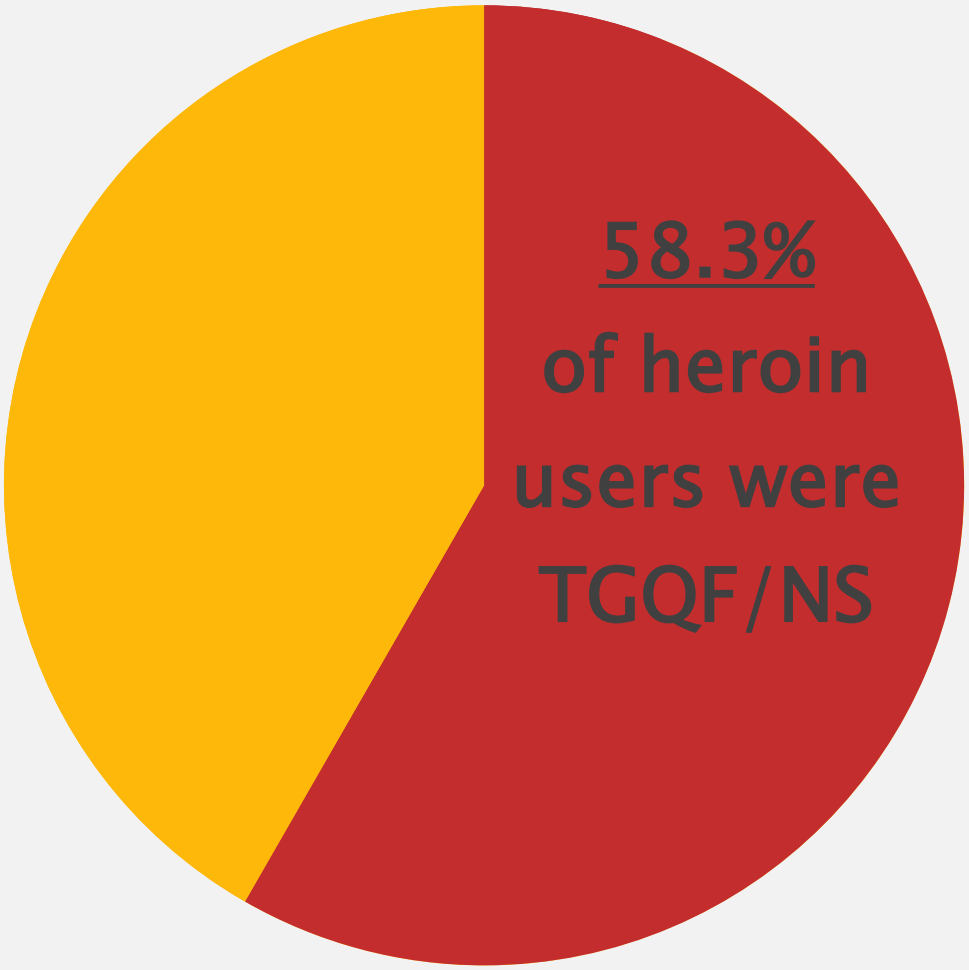


*In the past 30 days.

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

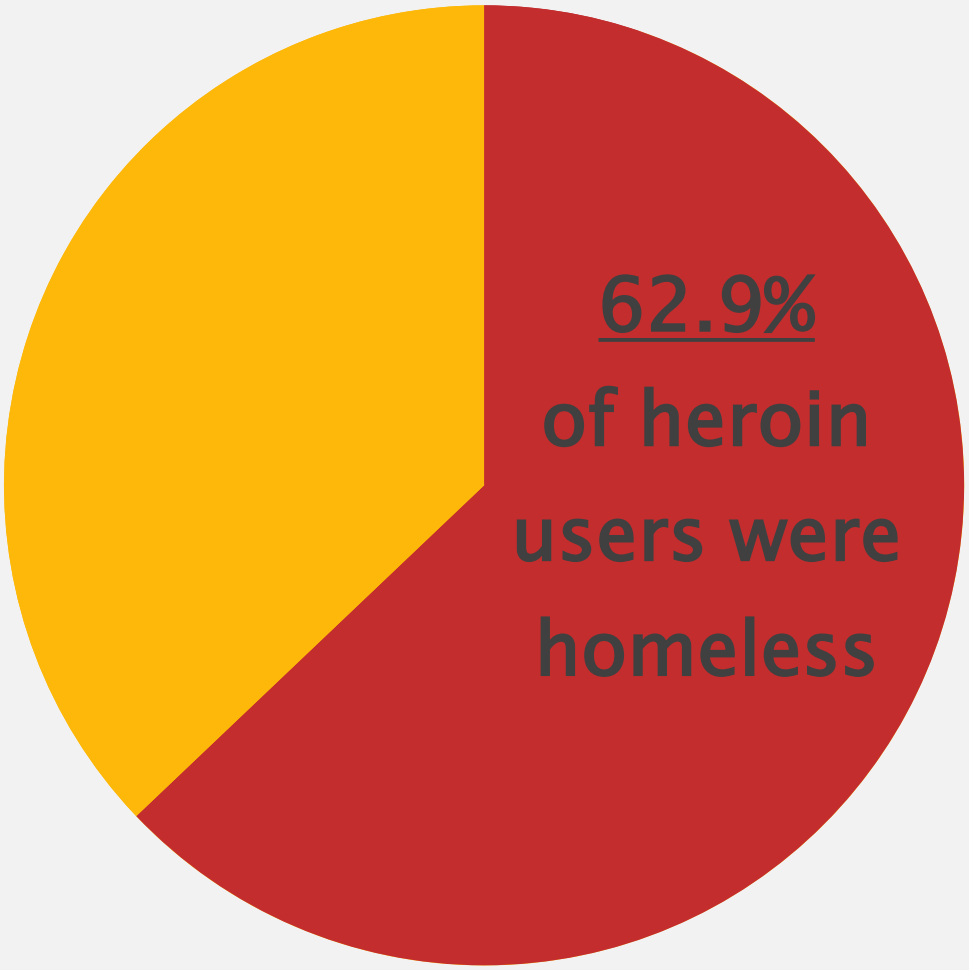
Gender Identity of Current Heroin Users Grades 9-12, 2019, NM

Among the 2.7% who were current heroin users,
almost 60% were transgender, genderqueer, or genderfluid.



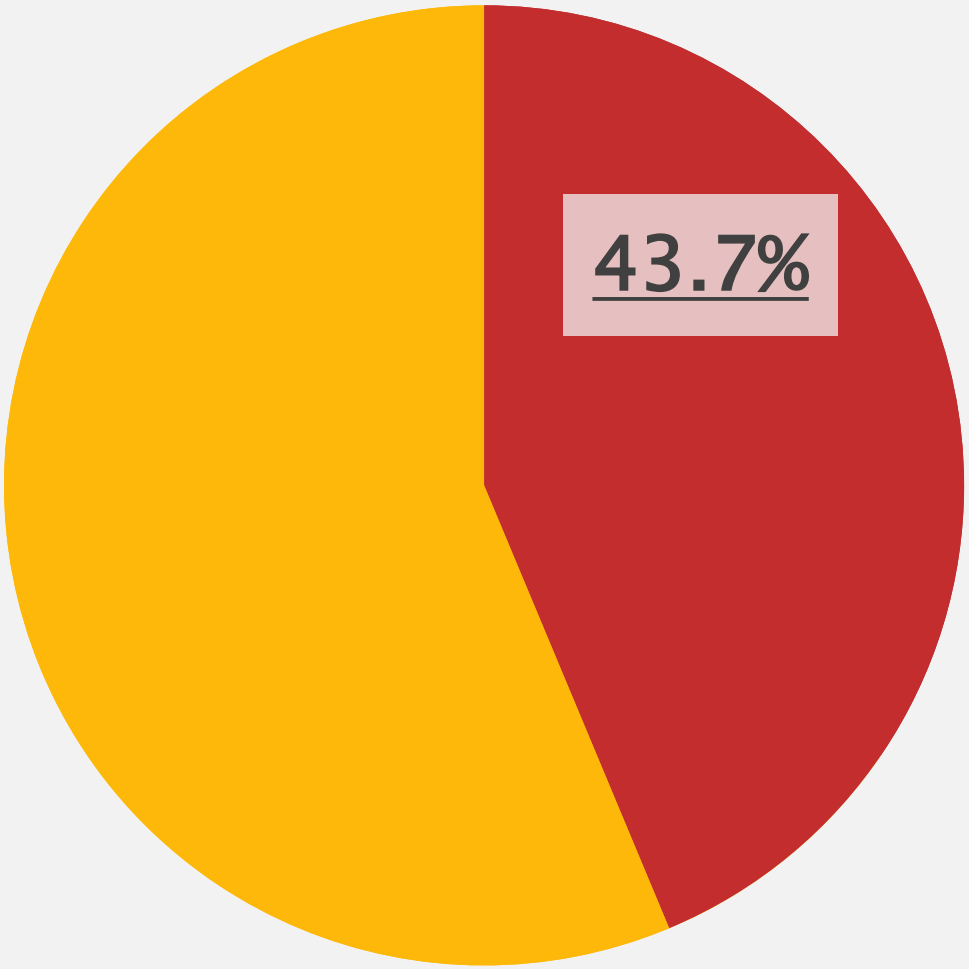
Housing Status of Current Heroin Users Grades 9-12, 2019, NM

Among the 2.7% who current heroin users,
almost 2/3 (62.9%) were homeless.



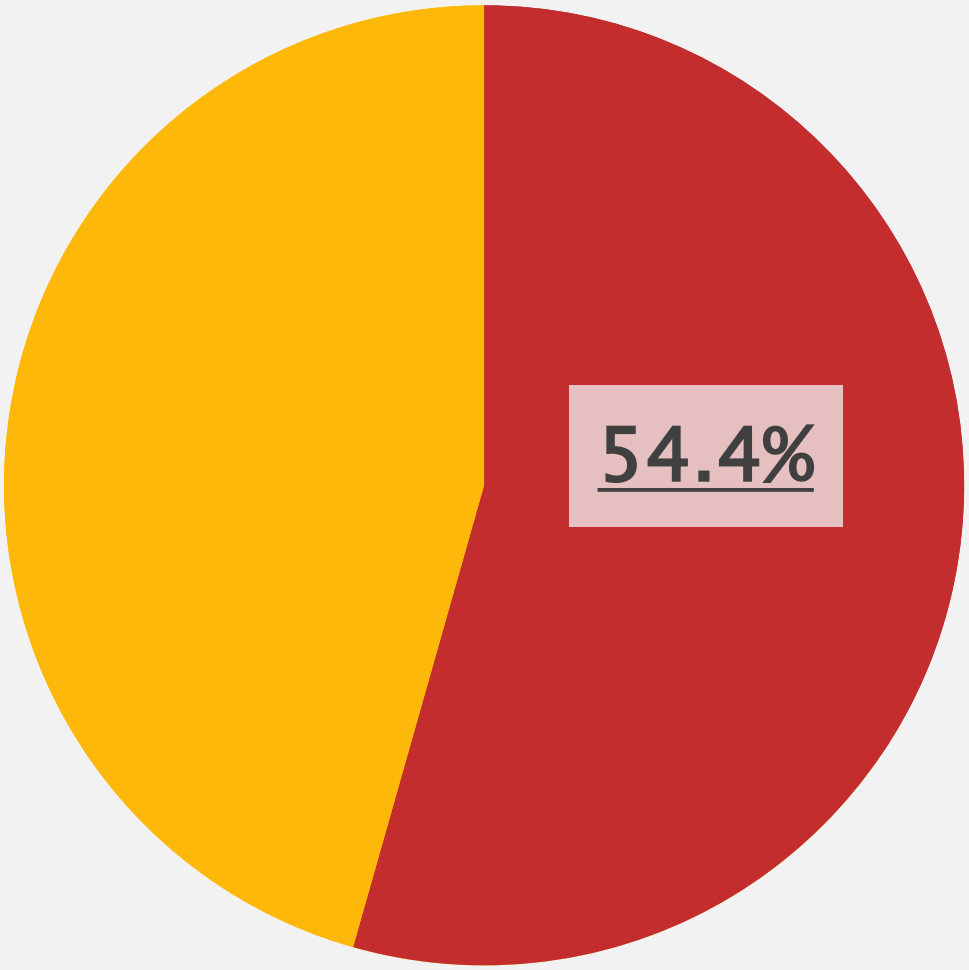
High Risk Groups among High Intensity Binge Drinkers, Grades 9-12, 2019, NM

Among the 3.2% who were high intensity binge drinkers, over 40% had at least one high risk characteristic.



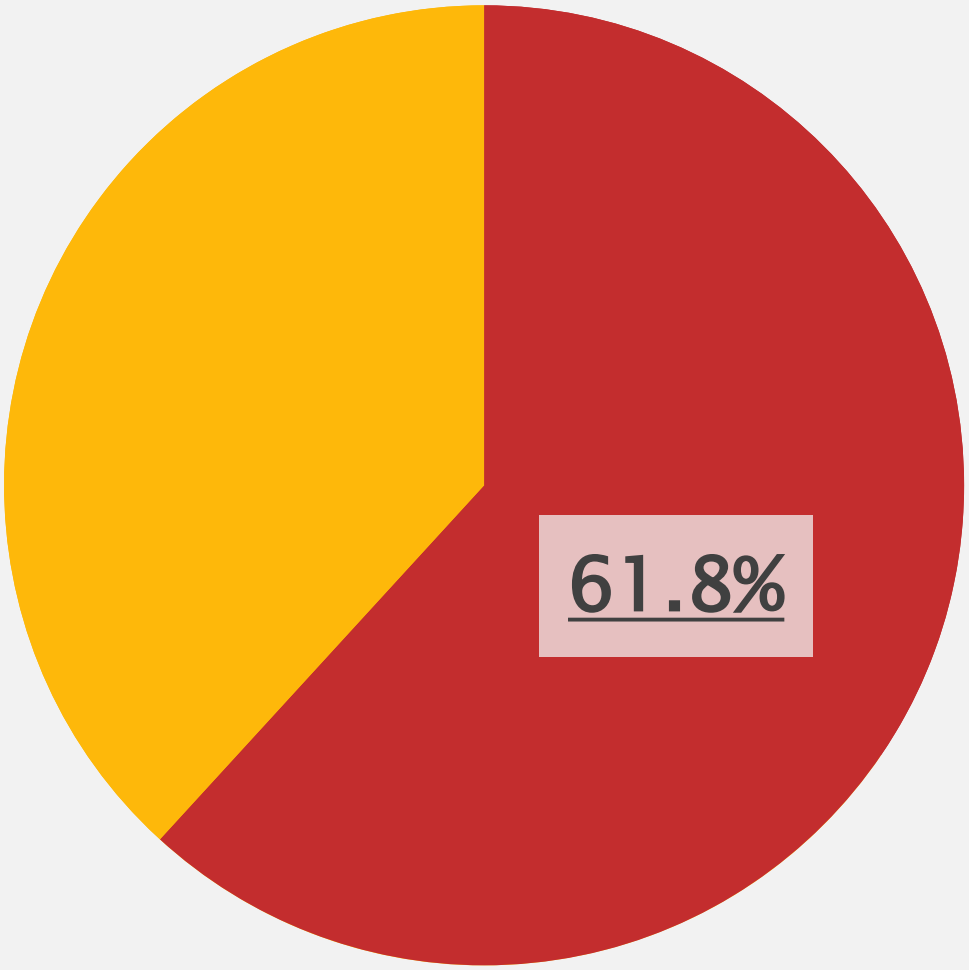
High Risk Groups among Students who Experienced Sexual Violence, Grades 9-12, 2019, NM

Among the 11.3% who experienced sexual violence, **over 50%** had at least one high risk characteristic.



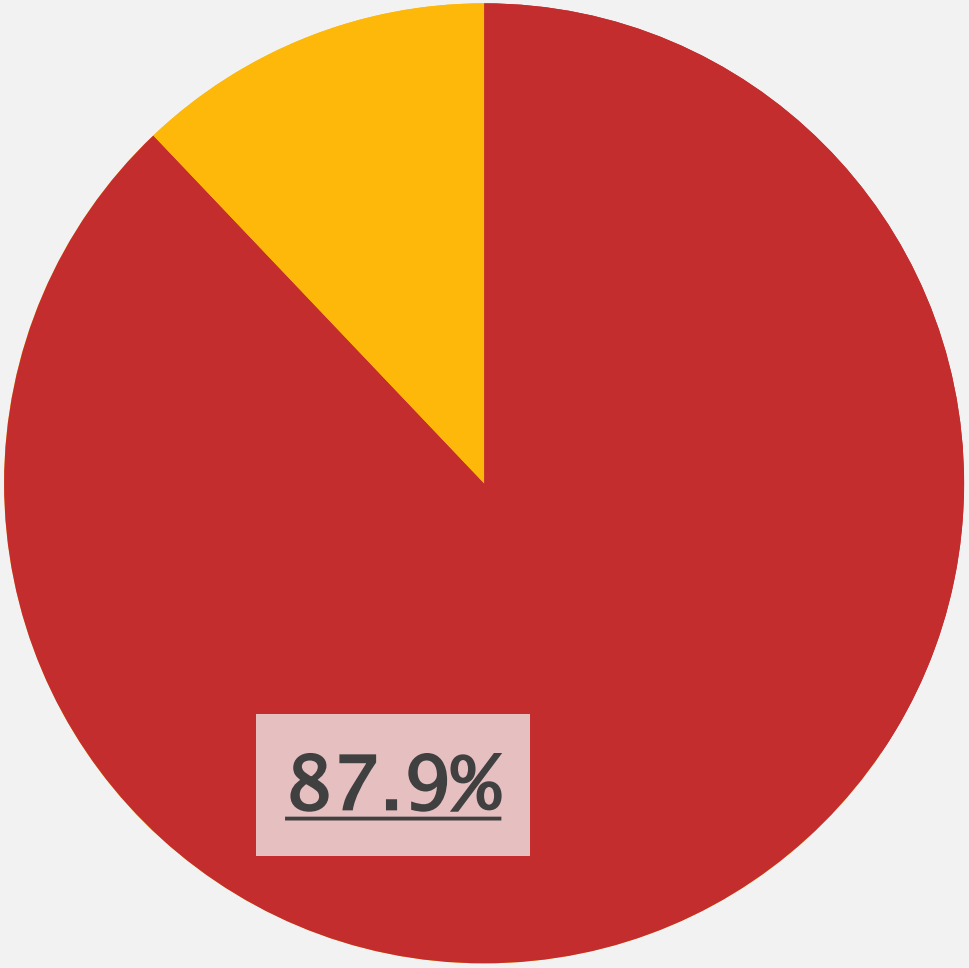
High Risk Groups among Students who Attempted Suicide, Grades 9-12, 2019, NM

Among the 9.9% who attempted suicide,
over 60% had at least one high risk characteristic.



High Risk Groups among Current Heroin Users Grades 9-12, 2019, NM

Among the 2.7% who were current heroin users, **almost 90%** had at least one high risk characteristic.



Summary – Risk Behaviors

- All these five groups are at high risk of a wide range of risk behaviors
  - Students not born in the United States
  - Students with physical disabilities or long-term health problems
  - Lesbian, Gay, & Bisexual students
  - Transgender, Genderqueer, or Genderfluid students
  - Homeless students
- Together, these groups make up over 1/3 of all high school students
- Intervention efforts should be inclusive of all these groups.
  - These students include almost 90% of all current heroin users!

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

Summary – Protective Factors

Students in high risk groups are less likely than other students to have strong relationships with

- Adults in the family
- Adults in the school
- Adults in the community
- Peers

However, these strong relationships, especially in the family, community, and with peers, are associated with lower rates of risk behaviors for students in high risk groups.

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

youthrisk.org

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

youthrisk.org

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

Connections Newsletter

Interactive Data Tables

Interactive Maps

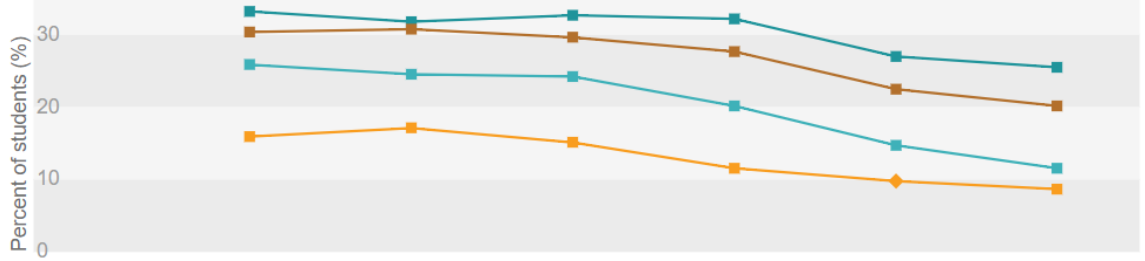
YRRS Data Store

Survey Questionnaires

Survey Reports

County Reports

Requesting Data



	2005	2007	2009	2011	2013	2015
Current sexual activity	32.8	31.5	32.6	31.9	26.8	25.1
Current alcohol use	30.0	30.7	29.4	27.4	22.3	20.1
Current cigarette smoking	25.7	24.2	24.0	19.9	14.4	11.4
In a fight on school property	15.6	16.9	15.0	11.3	9.7	8.5

NM-YRRS 2005–2015 — Trends in selected health risk behaviors, Grades 9–12

NMYRRS ROADSHOW

DATA PRESENTATIONS ACROSS NEW MEXICO

learn more
register

What is the NM-YRRS?

July 2020
VOL 7 • NO 2

NMYRRSCONNECTIONS

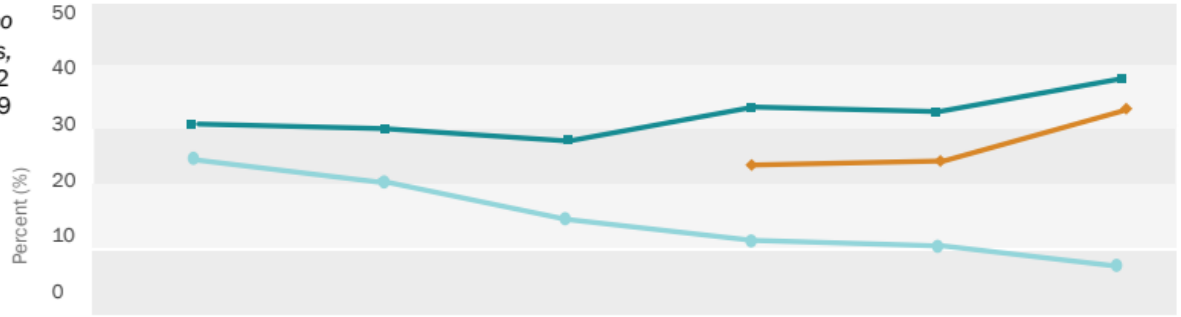
facts and figures from the NEW MEXICO YOUTH RISK & RESILIENCY SURVEY

2019 NM-YRRS Results:

Tobacco Use Trends

Use of tobacco products during adolescence is associated with higher risk for adverse health effects and lifelong nicotine addiction. The 2019 NM-YRRS asked about current use (past 30-day use) of five tobacco products: cigarettes, cigars, spit tobacco, hookahs, and e-cigarettes (vaping). While use of cigarettes, cigars, hookahs and spit tobacco products have decreased over the past decade, current use of e-cigarettes has increased by 42% since the question was added to the NM-YRRS in 2015.

Current tobacco use trends, Grades 9–12 NM ▪ 2009–2019



	2009	2011	2013	2015	2017	2019
Any tobacco use*	30.8	30.1	28.0	33.4	32.7	37.8
Current e-cigarette use				24.0	24.7	34.0
Current cigarette smoking	24.0	19.9	14.4	11.4	10.5	8.9

**Any tobacco use included cigarettes, cigars, and spit tobacco in 2009; cigarettes, cigars, spit tobacco and hookah in 2011 and 2013; and cigarettes, cigars, spit tobacco, hookah and e-cigarettes (vaping) from 2015-2019.*

All trends in current tobacco use, Grades 9–12, NM, 2009–2019

- Current cigarette smoking decreased by 63%, from 24.0% in 2009 to 8.9% in 2019.
- Current cigar smoking decreased by 54%, from 18.1% in 2009 to 8.3% 2019.
- Current spit tobacco use decreased by 50%, from 11.8% in 2009 to 5.9% in 2019.
- Current hookah use decreased by 59%, from 20.0% in 2011 to 8.2% in 2019.

E-cigarette use drove the increase in tobacco use

Current use of most types of tobacco products has decreased substantially over the past decade. However, the overall tobacco use rate among New Mexico high school students has increased, driven entirely by the introduction of and dramatic increase in e-cigarette use.

youthrisk.org

NMYRRS
YOUTH RISK & RESILIENCY SURVEY

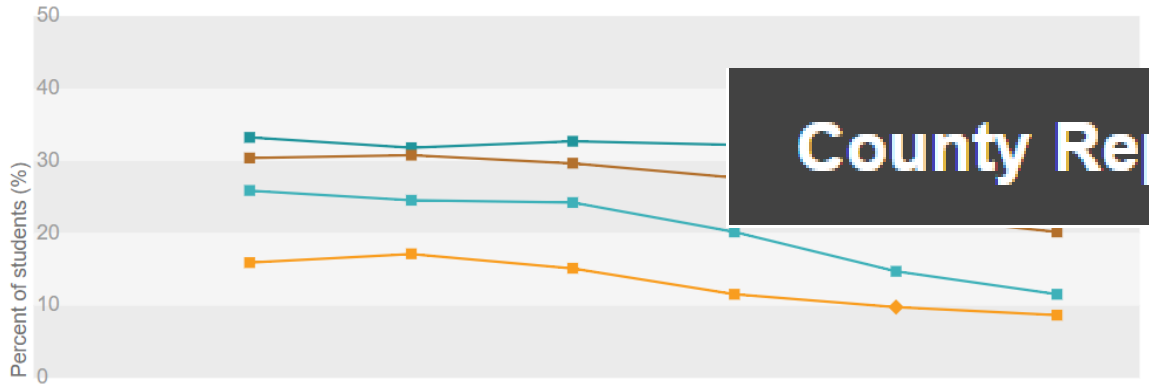
News & Interactive Data

- Connections Newsletter
- Fall 2018 Data Presentations
- Interactive Data Tables
- Interactive Maps

YRRS Data Store

- Survey Questionnaires

County Reports



	2005	2007	2009	2011	2013	2015
Current sexual activity	32.8	31.5	32.6	31.9	26.8	25.1
Current alcohol use	30.0	30.7	29.4	27.4	22.3	20.1
Current cigarette smoking	25.7	24.2	24.0	19.9	14.4	11.4
In a fight on school property	15.6	16.9	15.0	11.3	9.7	8.5

NM-YRRS 2005–2015 — Trends in selected health risk behaviors, Grades 9–12

NMYRRS ROADSHOW
DATA PRESENTATIONS ACROSS NEW MEXICO

learn more
register

What is the NM-YRRS?

NMYRRS

YOUTH RISK & RESILIENCY SURVEY

New Mexico Youth Risk and Resiliency Survey (YRRS)

High School Survey Results

Bernalillo County

Grades 9-12, 2017

New Mexico Department of Health

New Mexico Public Education Department

UNM Prevention Research Center

NEW MEXICO DEPARTMENT OF HEALTH

NM PED

UNM SCHOOL of MEDICINE

PREVENTION RESEARCH CENTER

Prevention & Population Sciences

YRBS Online (CDC-DASH)

https://www.cdc.gov/healthyyouth/data/yrbs/index.htm

Adolescent and School Health

CDC > DASH Home > Data & Statistics

- DASH Home
- About DASH +
- Calendar
- Contact DASH
- Adolescent and School Health Policy +
- **Data & Statistics** –
  - Data By Topic +
  - Summary of Surveillance Activities
  - School Health Profiles +
  - SHPPS +
  - YRBSS –
    - Overview
    - Results
    - Reports, Fact Sheets, and Publications
    - Participation Maps & History
    - Frequently Asked Questions
    - Methods
    - Questionnaires

Youth Risk Behavior Surveillance System (YRBSS)

2019 YRBS Results and Data Available Now

The Youth Risk Behavior Surveillance System (YRBSS) monitors six categories of health-related behaviors that contribute to the leading causes of death and disability among youth and adults, including—

- Behaviors that contribute to unintentional injuries and violence
- Sexual behaviors related to unintended pregnancy and sexually transmitted diseases, including HIV infection
- Alcohol and other drug use
- Tobacco use
- Unhealthy dietary behaviors
- Inadequate physical activity

YRBSS also measures the prevalence of obesity and asthma and other health-related behaviors plus sexual identity and sex of sexual contacts.

YRBSS is a system of surveys. It includes 1) a national school-based survey conducted by CDC and state, territorial, tribal, and 2) local surveys conducted by state, territorial, and local education and health agencies and tribal governments.

2019 YRBSS Results

View 2019 YRBS national, state, and local school district results.

2019 YRBSS Data

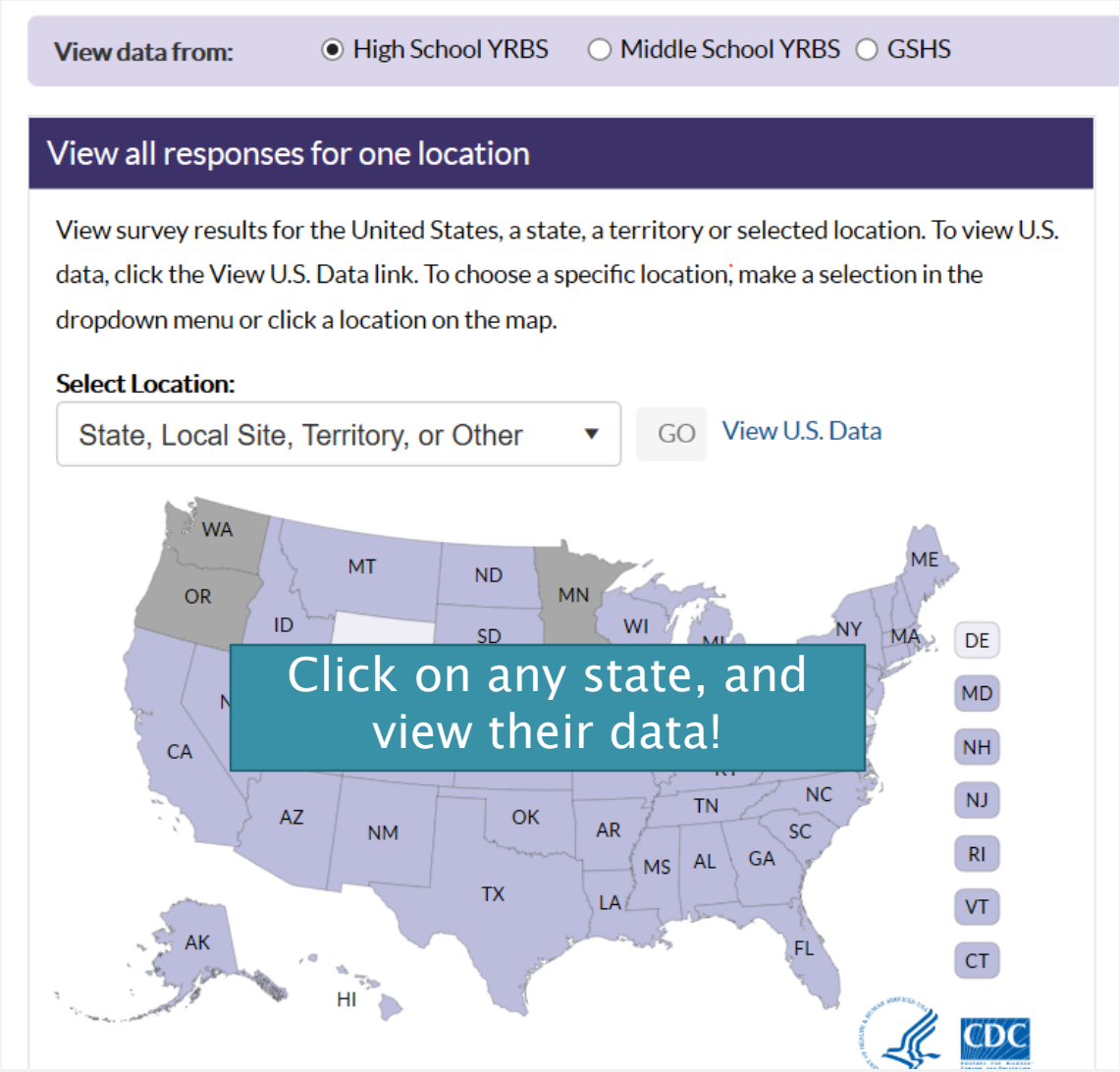
Access 2019 YRBS national, state and local school district data.

YRBS Explorer

Explore 2019 YRBS national, state, and local school district data via tables and graphs.

Youth Online
YRBS Results at State and Local Level

https://nccd.cdc.gov/Youthonline/



Youth Online
YRBS Results at State and Local Level

https://nccd.cdc.gov/Youthonline/

Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

High School YRBS

- ○ Asian
- ○ Black or African American
- ○ Hispanic or Latino
- ○ Native Hawaiian or Other Pacific Islander
- ○ White
- ○ Multiple race

Grade

- ◉ All Grades

Include Only:

- ○ 9th
- ○ 10th
- ○ 11th
- ○ 12th

Sexual Orientation

- ◉ All Sexual Orientations

Include Only:

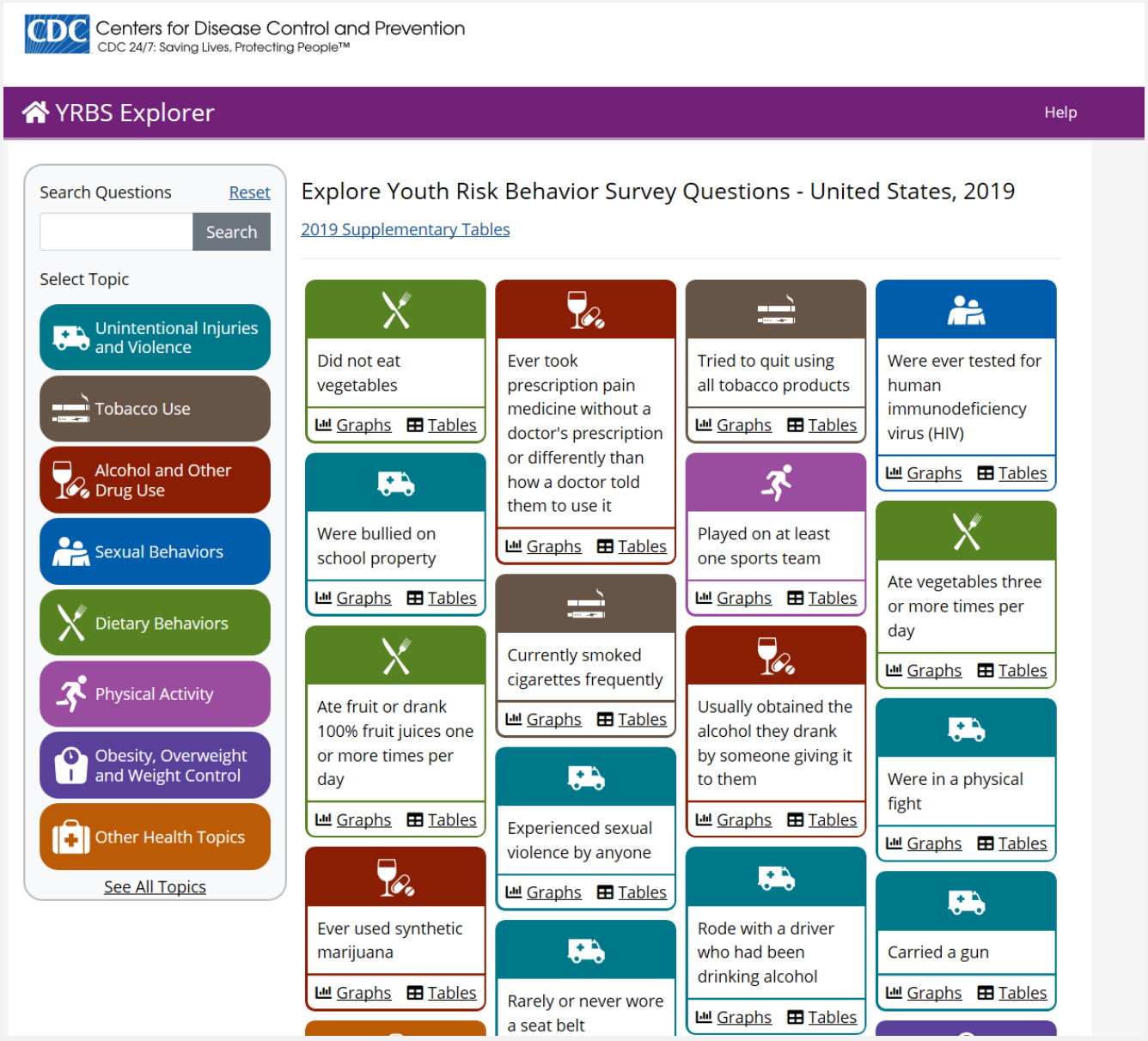
Sexual Identity

Currently Used Marijuana
(also called pot, weed, or cannabis, one or more times during the 30 days before the survey)
High School Youth Risk Behavior Survey

Find out if there is a statistical difference between New Mexico and Colorado. Select each and activate 'Compare Two'. COMPARE TWO »	☐	☐
Sex	**New Mexico 2019**	**Colorado 2019**
Total	27.7 (25.2–30.4) 7,464†	20.1 (16.7–24.0) 1,312
Female	28.1 (25.1–31.3) 3,805	17.5 (14.2–21.3) 702
Male	27.4 (24.7–30.3) 3,639	22.2 (17.6–27.7) 594

YRBS Explorer

https://yrbs-explorer.services.cdc.gov/#/



For more information

- Website
  www.youthrisk.org
- Anne Marlow Geter
  (505) 827-1803
  Anne.MarlowGeter@state.nm.us
- Dan Green
  (505) 476-1779
  Dan.Green@state.nm.us
- Theresa Cruz
  (505) 272-4462
  thcruz@salud.unm.edu
- Courtney FitzGerald
  (505) 272-2646
  cafitzgerald@salud.unm.edu
- Robyn L. Viera
  (505) 272-9841
  rviera@salud.unm.edu

NMYRRS
YOUTH RISK & RESILIENCY SURVEY