

The Health of Calumet County

Community Health Assessment

October 2015

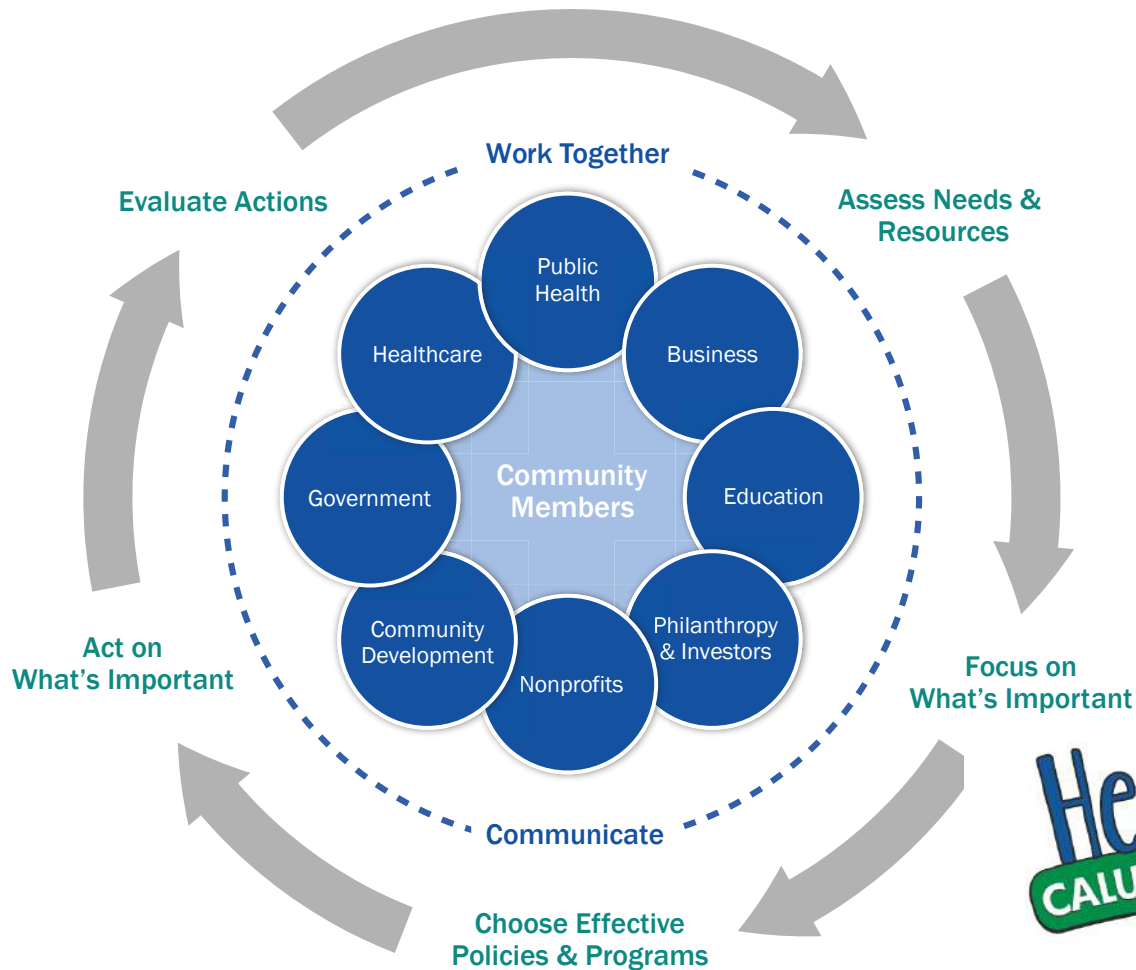


Community Health Assessment

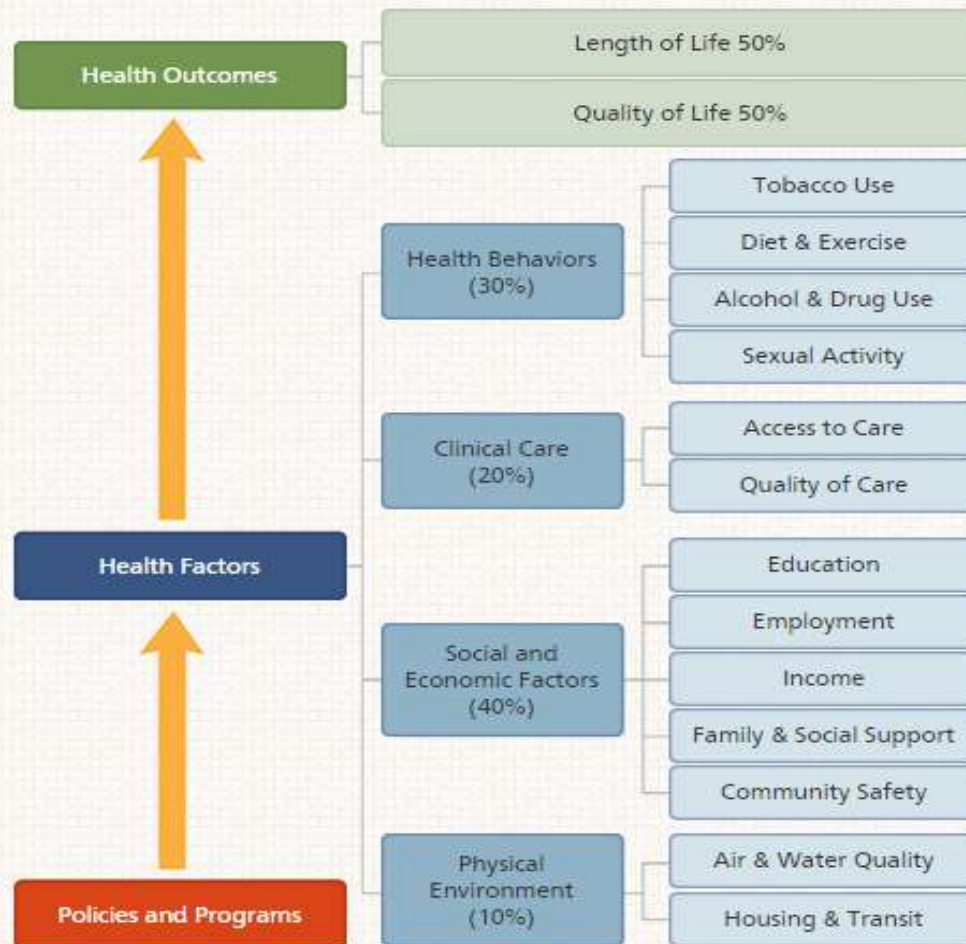
Purpose:

- To provide an overview of the health of the community
- To look for opportunities for improvement

The Community Health Improvement Process



What Makes a Community Healthy?



County Health Rankings model © 2014 UWPHH



2015 County Health Rankings

- Annual ranking of counties
- Measures use comparable valid, reliable county-level data sets, often incorporating a range of years
- **2015 Calumet County Rank** (of 72 WI counties):

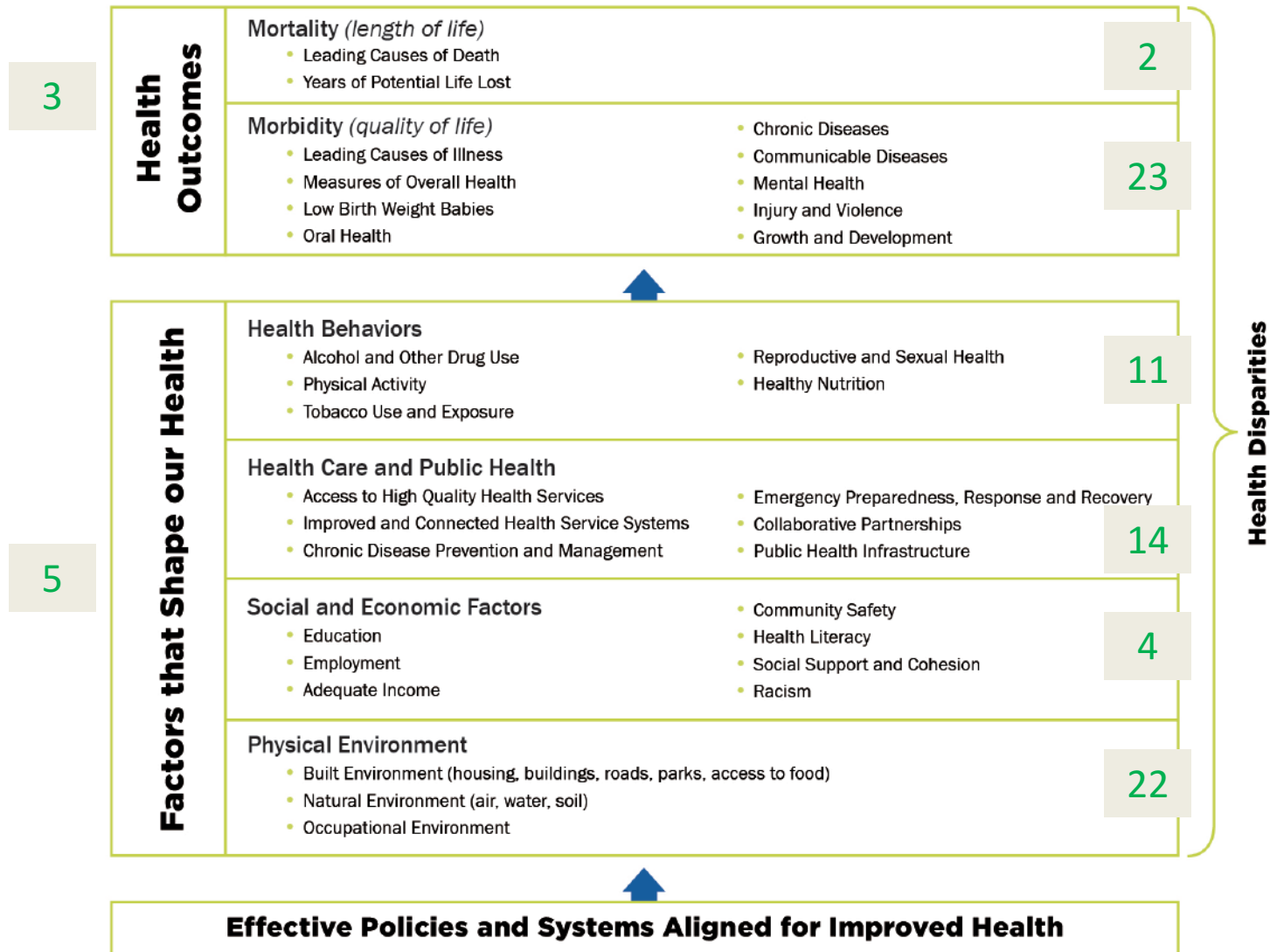
#3 for Health Outcomes—*Today's Health*

-length and quality of life

#5 for Health Factors—*Tomorrow's Health*

-health behaviors, clinical care, social and economic factors, and physical environment

What Makes a Community Healthy?



Community Health Assessment Data

- **Local Surveys:**
 - Behavioral Risk Factor Surveillance Survey (BRFSS)
 - Youth Risk Behavior Survey (YRBS)
- **Other Sources:**
 - US Census Bureau and other federal datasets
 - Wisconsin Interactive Statistics for Health (WISH)
 - Wisconsin Department of Health Services



Calumet County Survey Methodology

Adults: BRFSS

505 telephone interviews - cell phones and landlines;
randomly selected adults ≥ 18 years of age

Youth: YRBS

1,010 on-line surveys – response rate of 85% of 9th-12th
graders in all five local high schools



Demographics: Who Are We?

Age

(2013 data)

- **Percent of population below 18**
Calumet County: 25.7%
Wisconsin: 22.8%
- **Percent of population aged 65 and older**
Calumet County: 12.9%
Wisconsin: 14.8%



Source: County Health Rankings/US Census

Demographics: Who Are We?

Ethnicity and Language

- **Hispanic Ethnicity** (2013 data)

Calumet County: 3.8%

Wisconsin: 6.3 %

- **English proficiency**—percentage not proficient in English (2009-2013 data)

Calumet County: 1.5%

Wisconsin: 1.6%



Source: County Health Rankings/US Census

Demographics: Geography

Percent of population living in rural area

(2010 data)

Calumet County: 27.5%

Wisconsin: 29.8%





Health Outcomes

Mortality: Length of Life

Morbidity: Quality of Life



Mortality: Length of Life Premature Death

**Years of potential life lost before age 75
per 100,000 population**

(age-adjusted 2010-2012 data)

Calumet County: 3837

Wisconsin: 5881



Mortality: Length of Life

Infant Mortality Rate

Infant Mortality Rate per 1000 Live Births
(2009-2013)

Calumet County: 3.5

Tri-County Region: 5.1
(Calumet, Outagamie, Winnebago)

Wisconsin: 6.0



Morbidity: Quality of Life

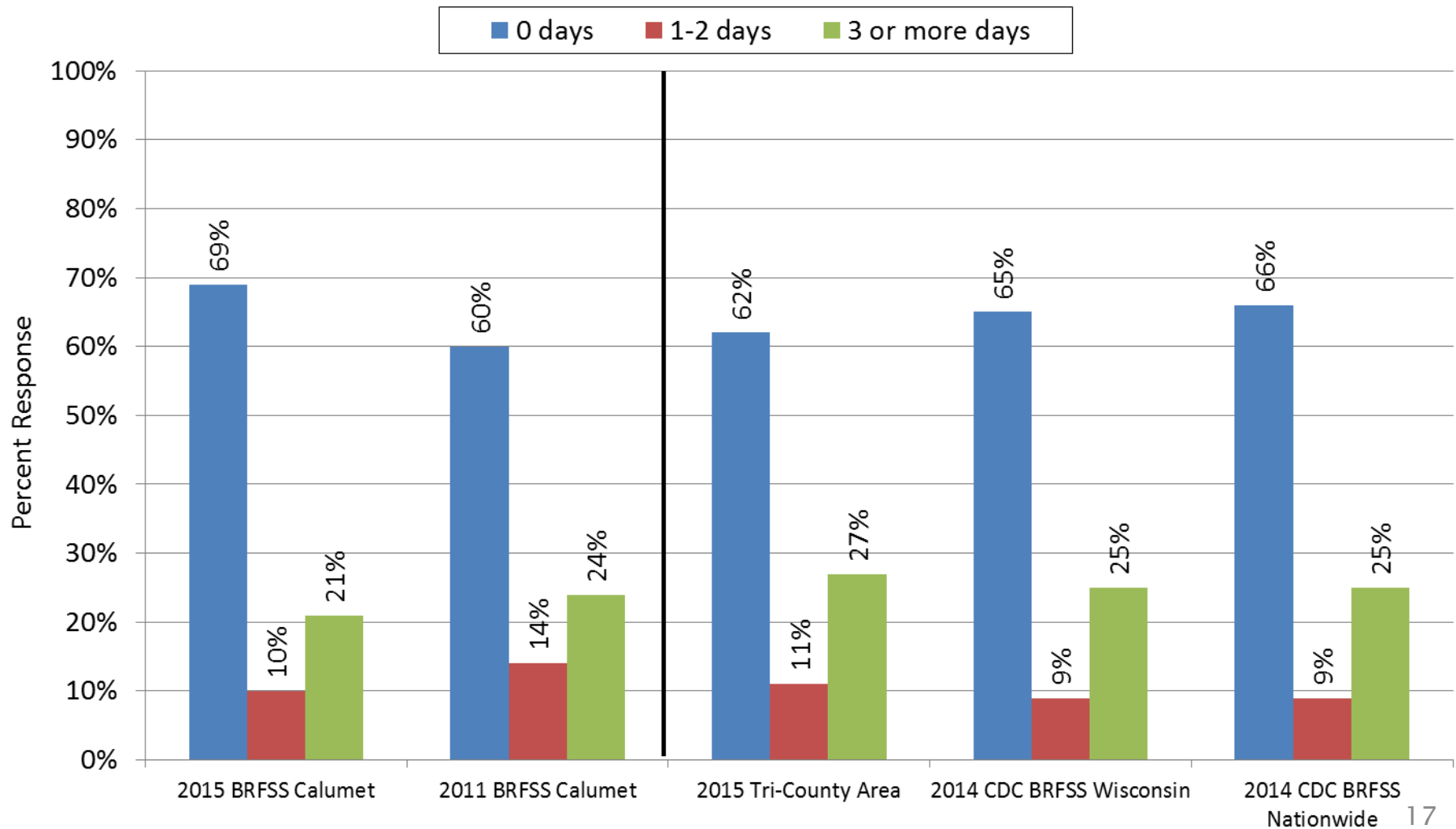
- **Mental Health**
- **Chronic Disease**
- **Injury and Violence**



Mental Health

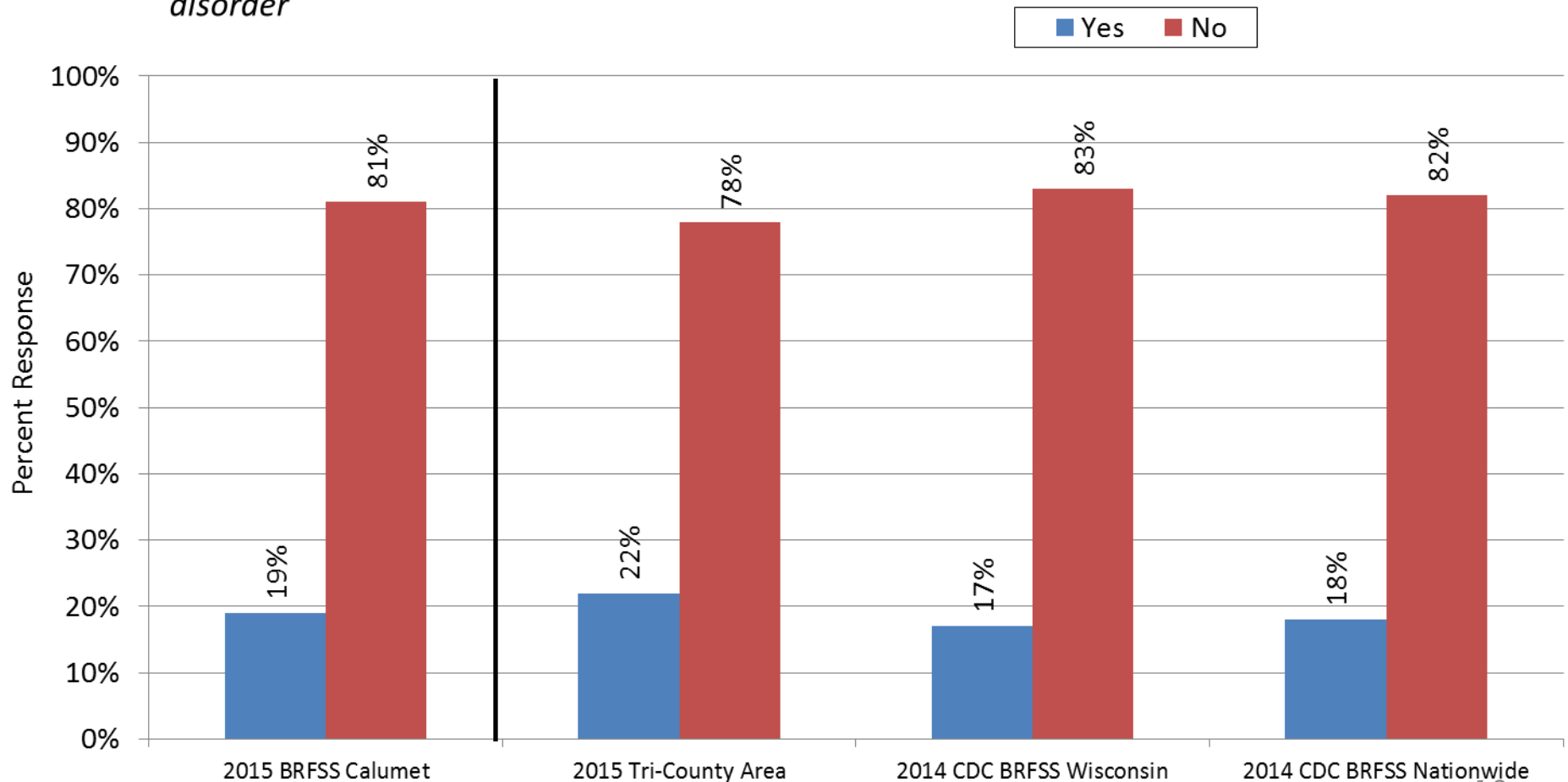
BRFSS Quality of Life: Mental Health

“Now thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?”

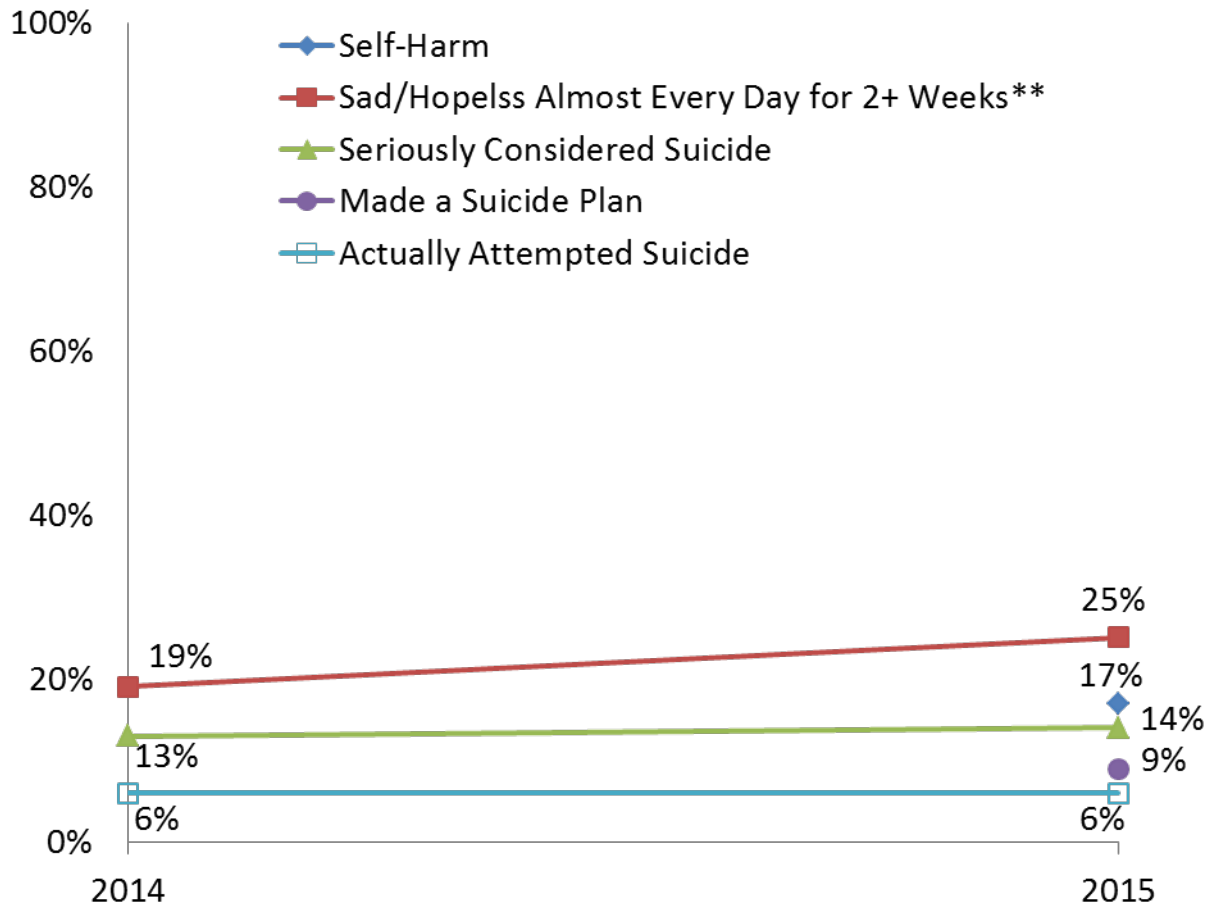


BRFSS Quality of Life: Mental Health—Depression

“Have you ever been told by a doctor, nurse, or other health professional you have a depressive disorder, including depression, major depression, dysthymia, or minor depression?” *More females (28%) than males (10%) were told they had a depressive disorder*



2015 YRBS—Mental Health and Attempted Suicide in Past 12 Months



2013 WI & US YRBS
 Sad/Hopeless Almost Every Day 2+ Weeks
 WI: 25%
 US: 30%

Seriously Considered Suicide
 WI: 13%
 US: 17%

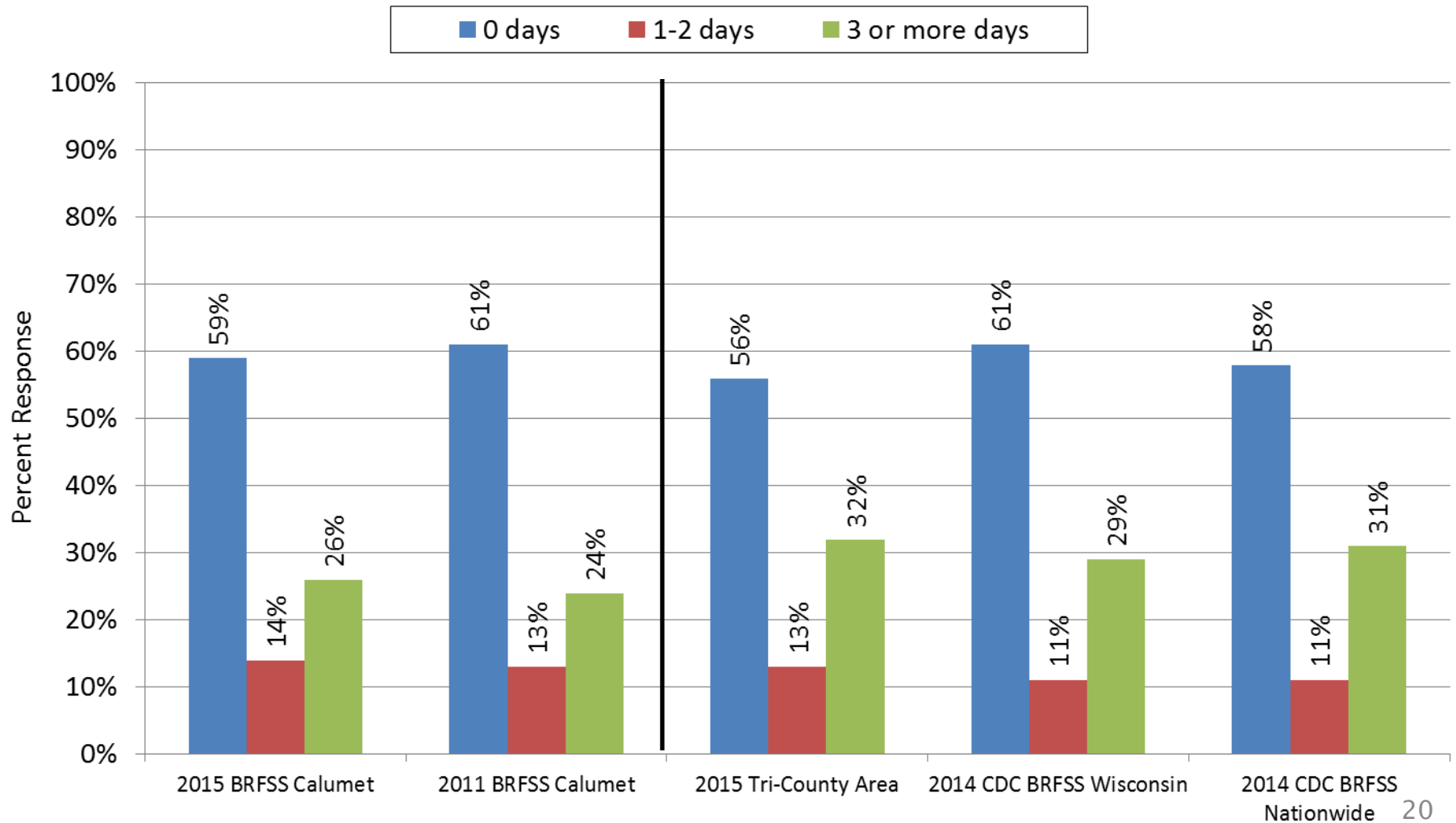
Made Suicide Plan
 WI: 12%
 US: 14%

Actually Attempted Suicide
 WI: 6%
 US: 8%

**2015 data statistically different from 2014 data at $p \leq 0.05$

BRFSS Quality of Life: Health Effects

“During the past 30 days, for about how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?”

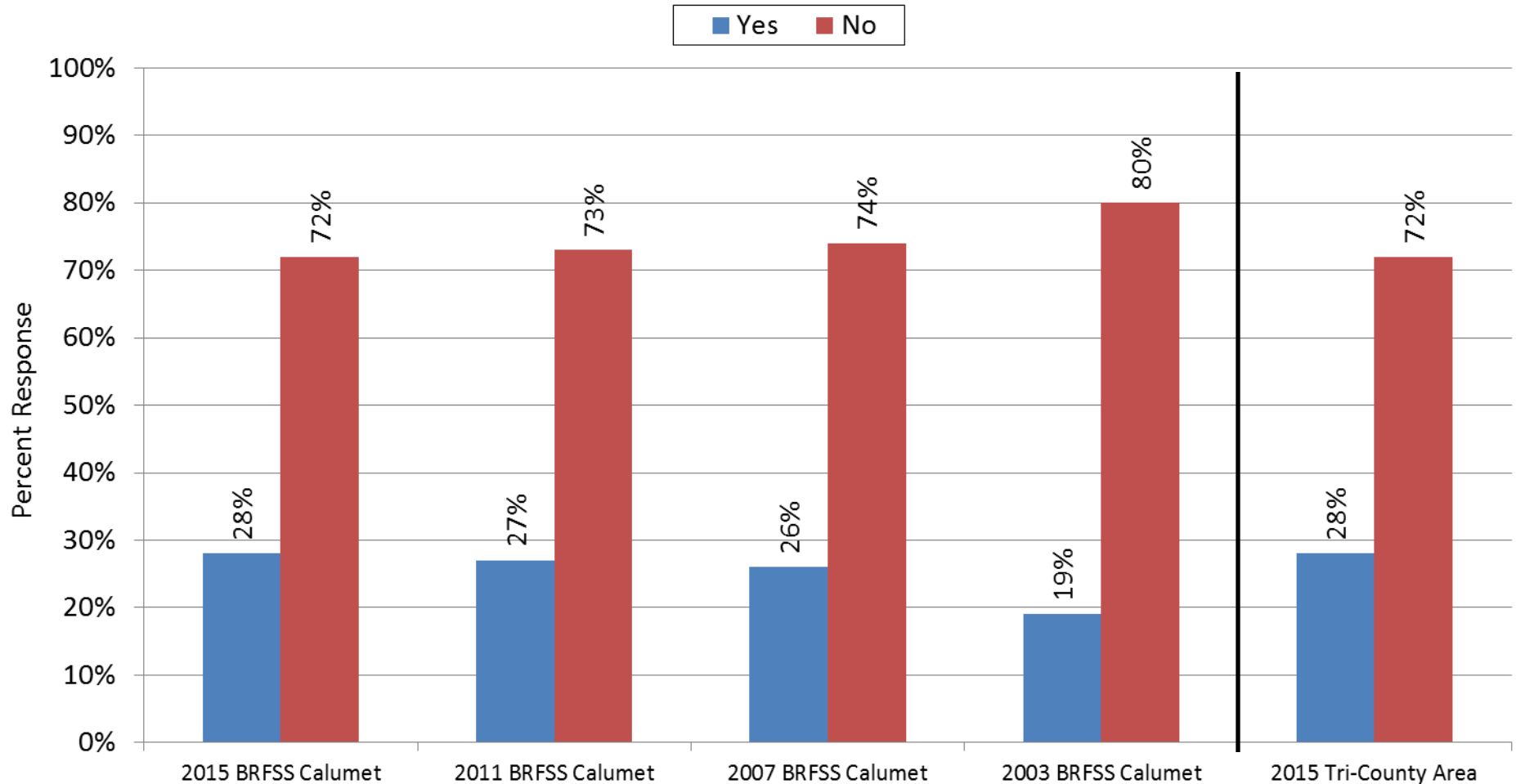




Chronic Disease

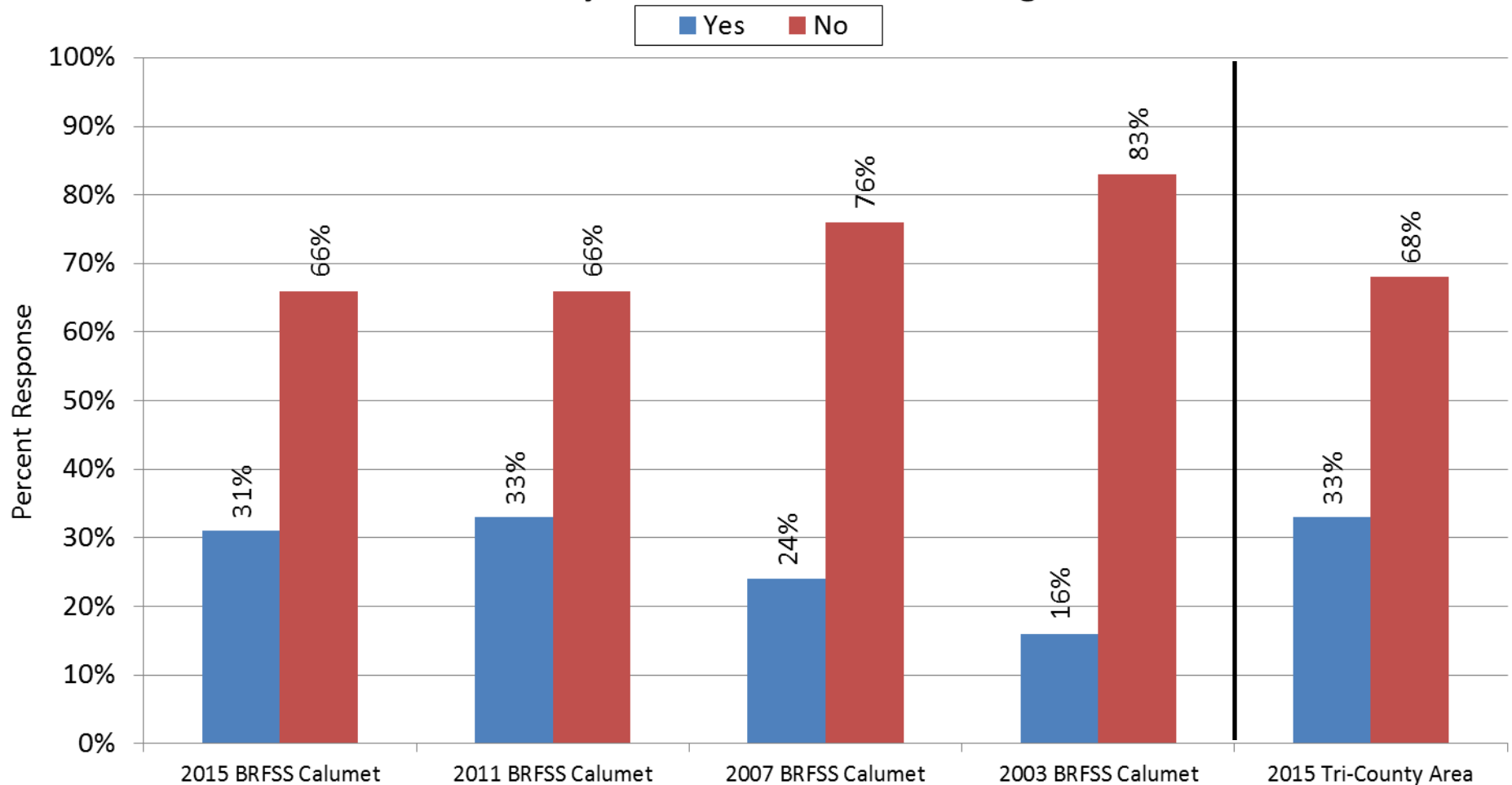
BRFSS Chronic Disease: Hypertension

“Have you ever been told by a doctor, nurse or other health professional that you have high blood pressure?”



BRFSS Chronic Disease: High Cholesterol

“Have you ever been told by a doctor or other health professional that your blood cholesterol is high?”





Chronic Disease: All Cancers

Incidence per 100,000 population

(age-adjusted, 2007-2011 data)

Calumet County: 480

Wisconsin: 471



Chronic Disease: Cancer–Melanoma

Rate of cases per 100,000 population

(2015 Calumet County Environmental Health Profile:
annual averaged age-adjusted 2006-2010 data)

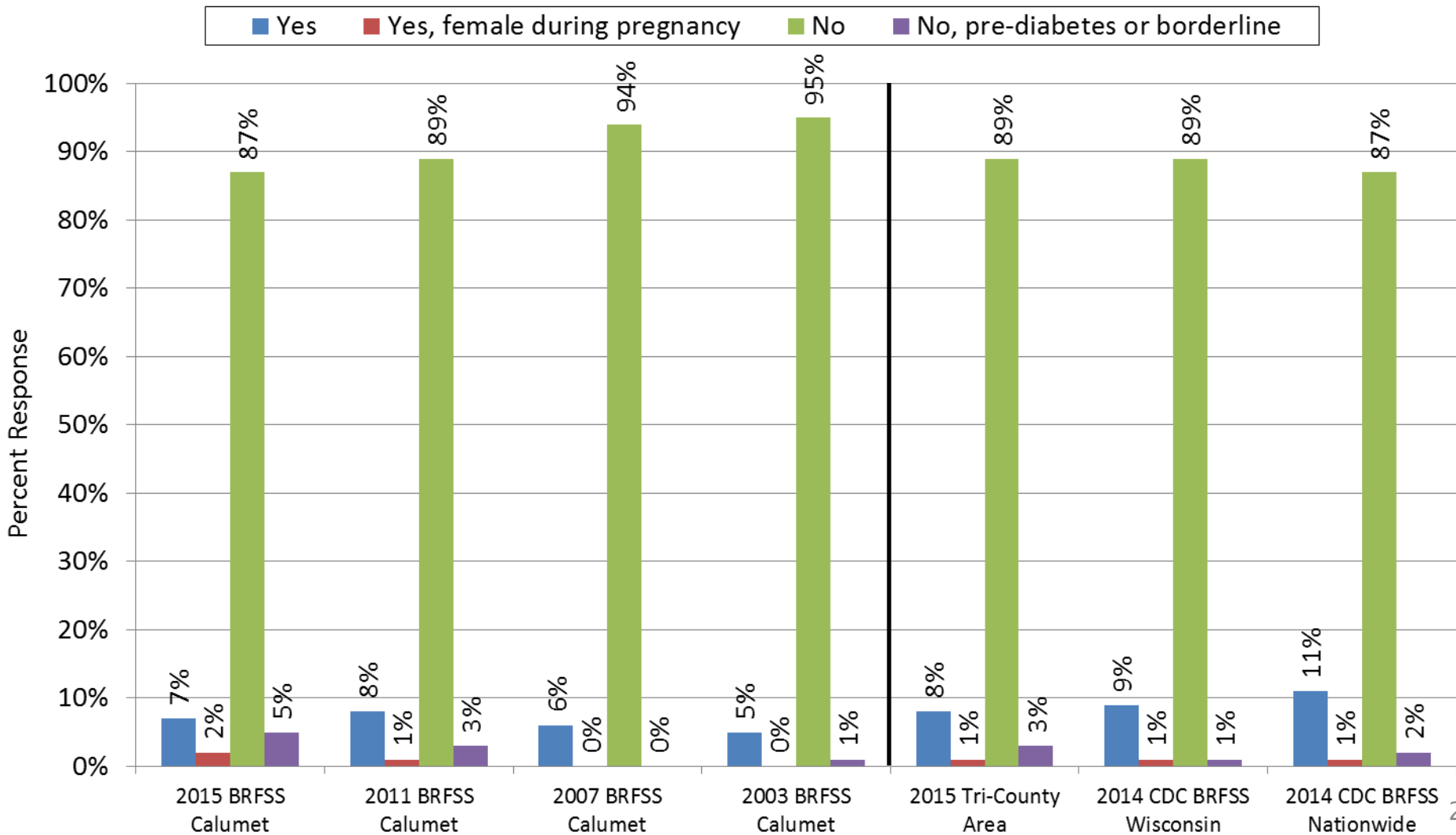
Calumet County: 29.6

Wisconsin: 18.4



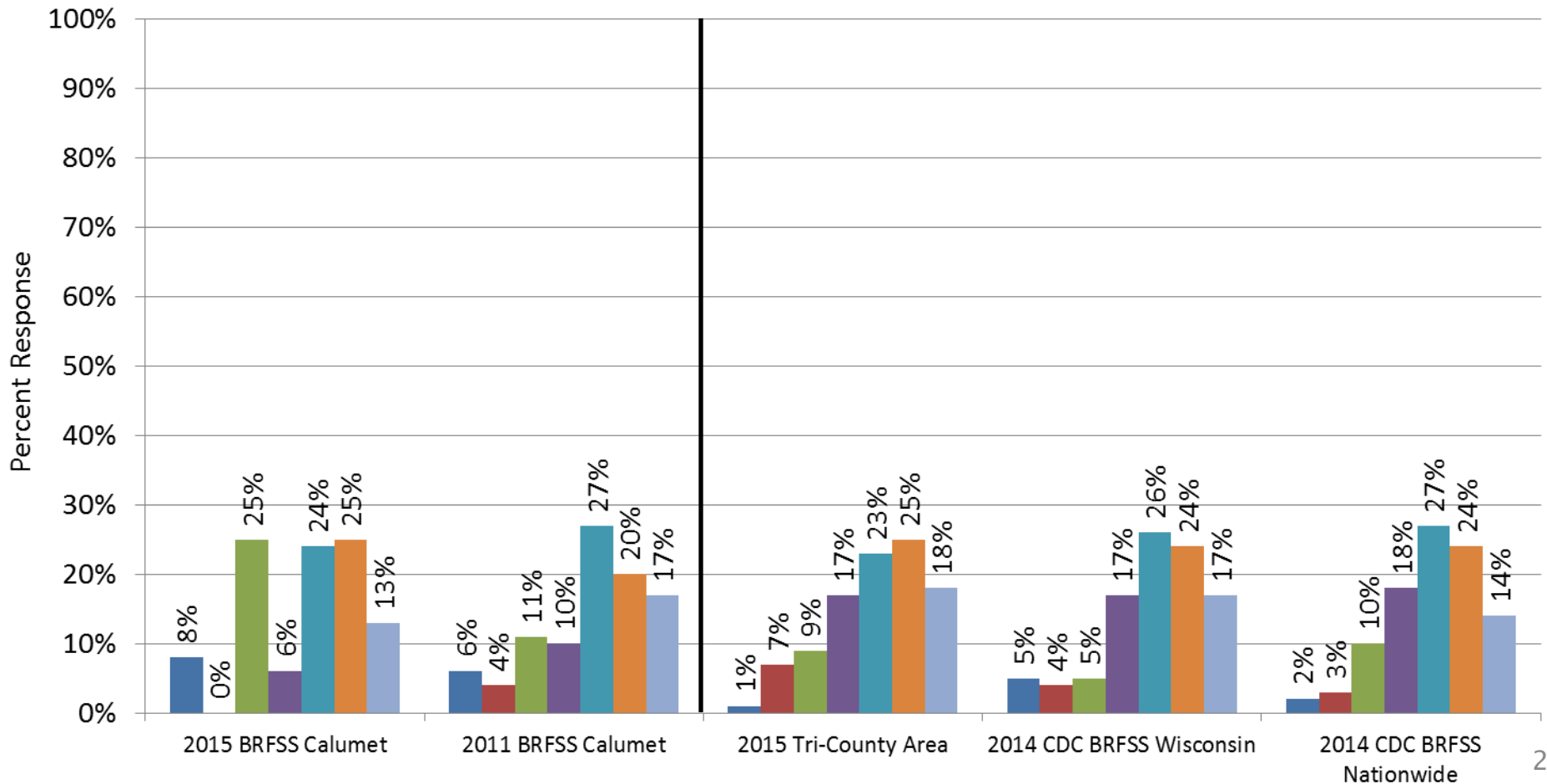
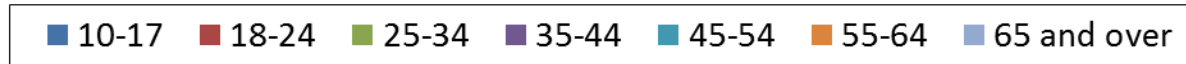
BRFSS Chronic Disease: Diabetes

“Have you ever been told by a doctor that you have diabetes?”



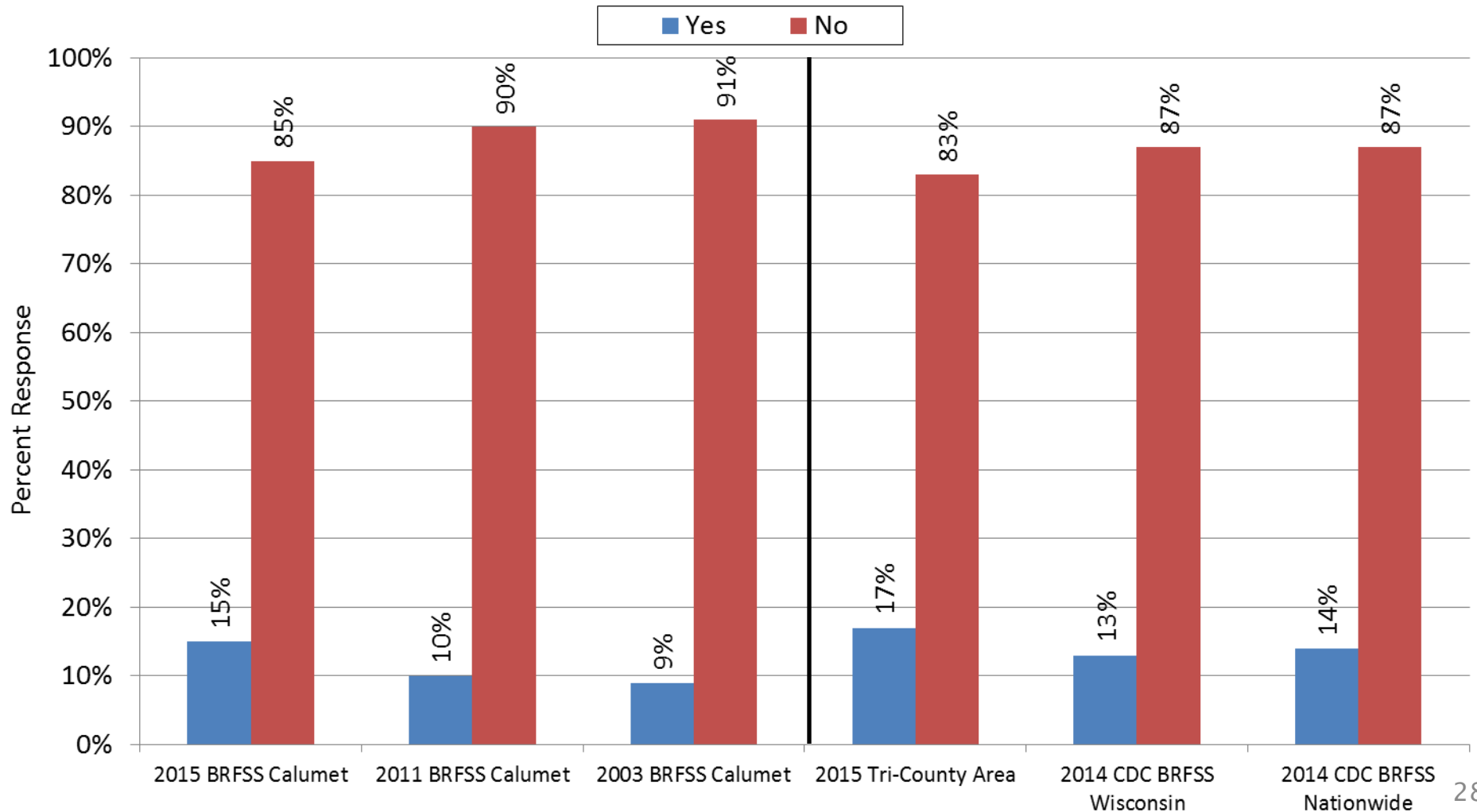
BRFSS Chronic Disease: Diabetes

“How old were you when you were told you have diabetes?”



BRFSS Chronic Disease: Asthma

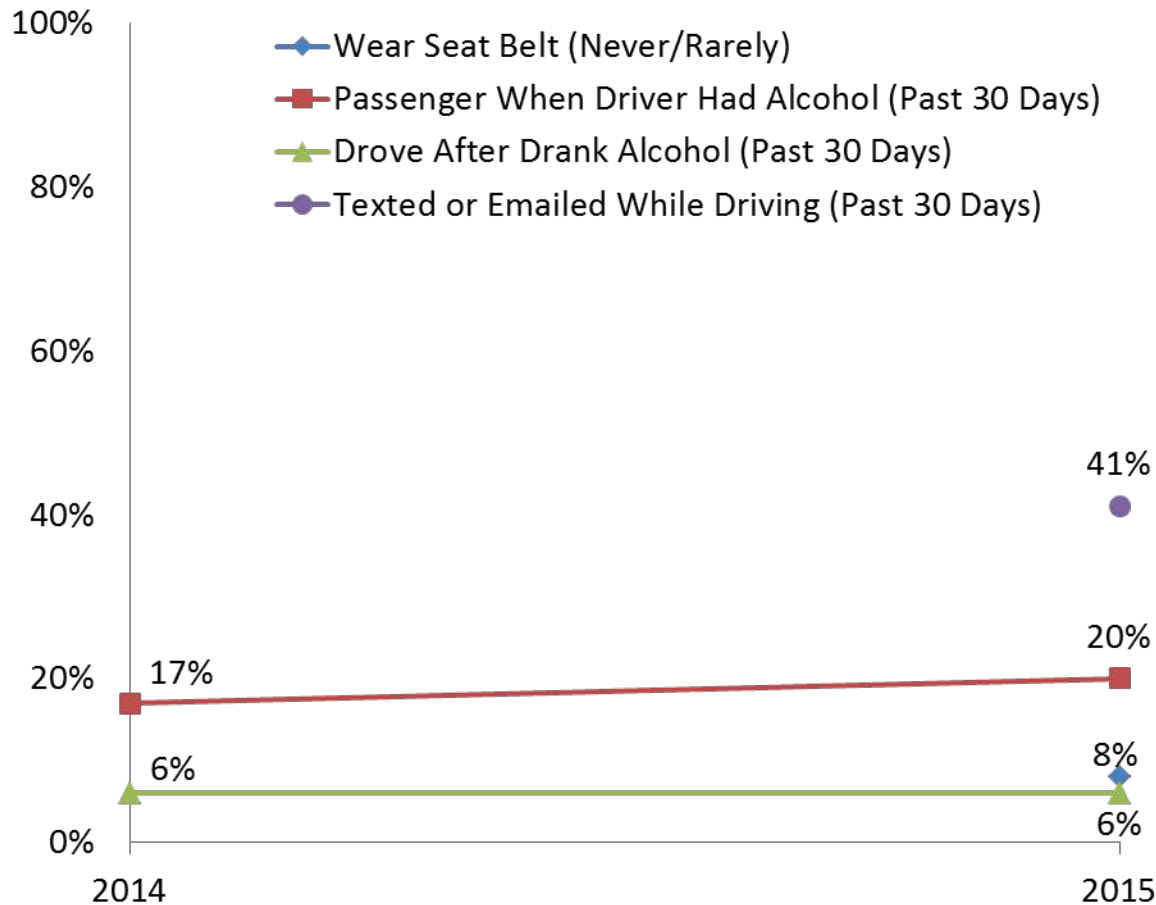
“Have you ever been told by a doctor, nurse, or other health professional that you have asthma?”





Injury & Violence

2015 YRBS—Injury and Violence: Traffic Safety



2013 WI & US YRBS

Wear Seat Belt

WI: 8%

US: 8%

Passenger When Driver Had Alcohol

WI: 21%

US: 22%

Drove After Drank Alcohol

WI: 9%

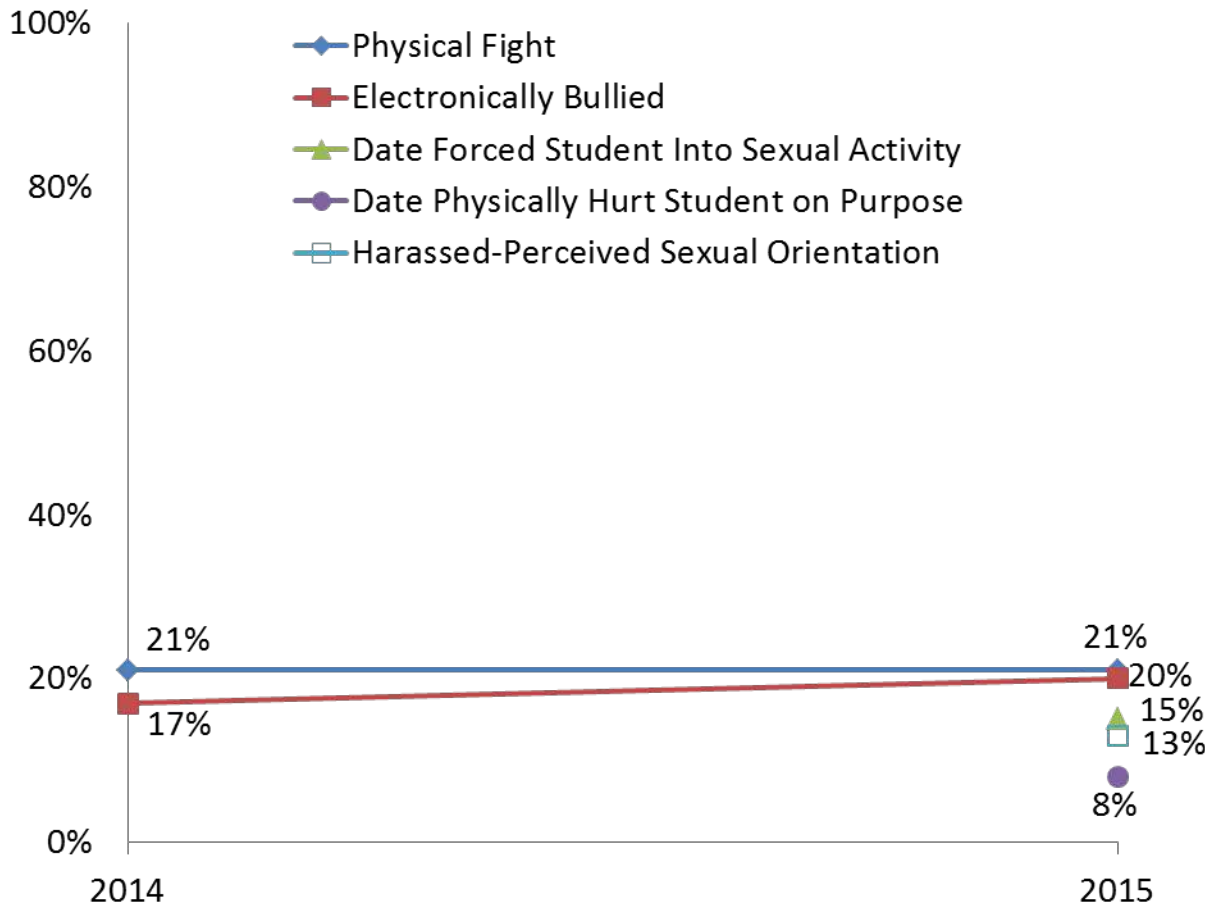
US: 10%

Texted or Emailed While Driving

WI: 48%

US: 41%

2015 YRBS—Injury and Violence: Violence-Related Behaviors in Past 12 Months



2013 WI & US YRBS

Physical Fight

WI: 22%

US: 25%

Electronically Bullied

WI: 18%

US: 15%

Date Forced Student Into Sexual Activity

WI: 10%

US: 10%

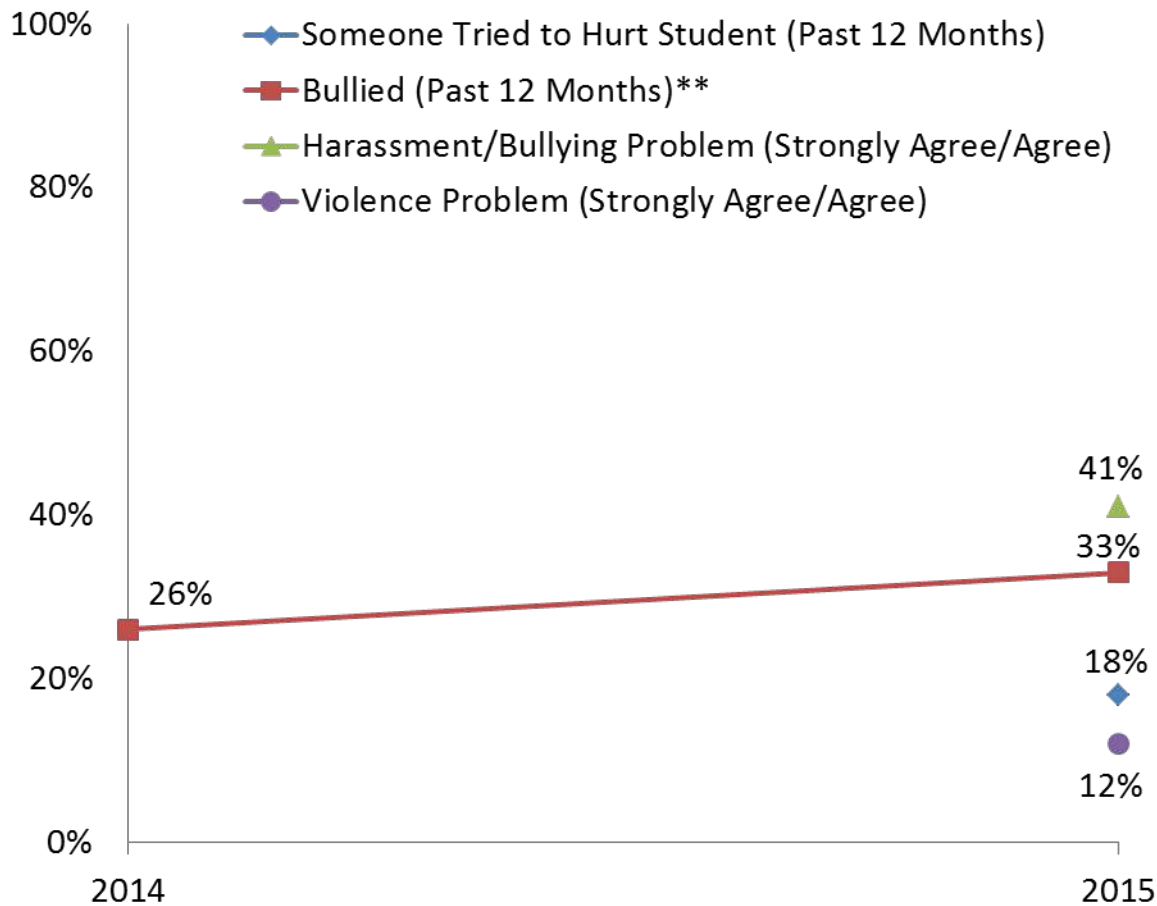
Date Physically Hurt Student on Purpose

WI: 9%

US: 10%

2015 YRBS—Injury and Violence

Violence-Related Behaviors on School Property



2013 WI & US YRBS

Bullied
WI: 23%
US: 20%

**2015 data statistically different from 2014 data at $p \leq 0.05$

Selected Health Factors

- **Health Behaviors**

Alcohol and Drug Use

Physical Activity and Nutrition

- **Health Care and Public Health**

Access to Care

- **Social and Economic Factors**

Education

Adequate Income

Social Support

- **Physical Environment**

Natural Environment





Alcohol & Drug Use

BRFSS Alcohol: Consumption and Binge Drinking

Alcohol Consumption and Binge Drinking

	Current Alcohol Use	Males, Alcohol Use	Females, Alcohol Use	Females, Alcohol Use	Current Binge Drinking (5 or more drinks on an occasion) age ≥18	Males, Binge Drinking	Females, Binge Drinking	Females, Binge Drinking
	all adults, age ≥18	age ≥18	age ≥18	childbearing age, 18–44	age ≥18	age ≥18	age ≥18	childbearing age, 18–44
Fox Cities	71%	75%	66%	73%	35%	43%	25%	35%
Calumet County	72%	81%	63%	64%	42%	56%	23%	25%
Outagamie County	75%	78%	73%	80%	33%	47%	19%	18%
Winnebago County	60%	61%	59%	56%	29%	37%	20%	47%
Tri-County	69%	71%	66%	72%	33%	43%	22%	25%
Wisconsin	65%	70%	57%	58%	35%	42%	27%	36%

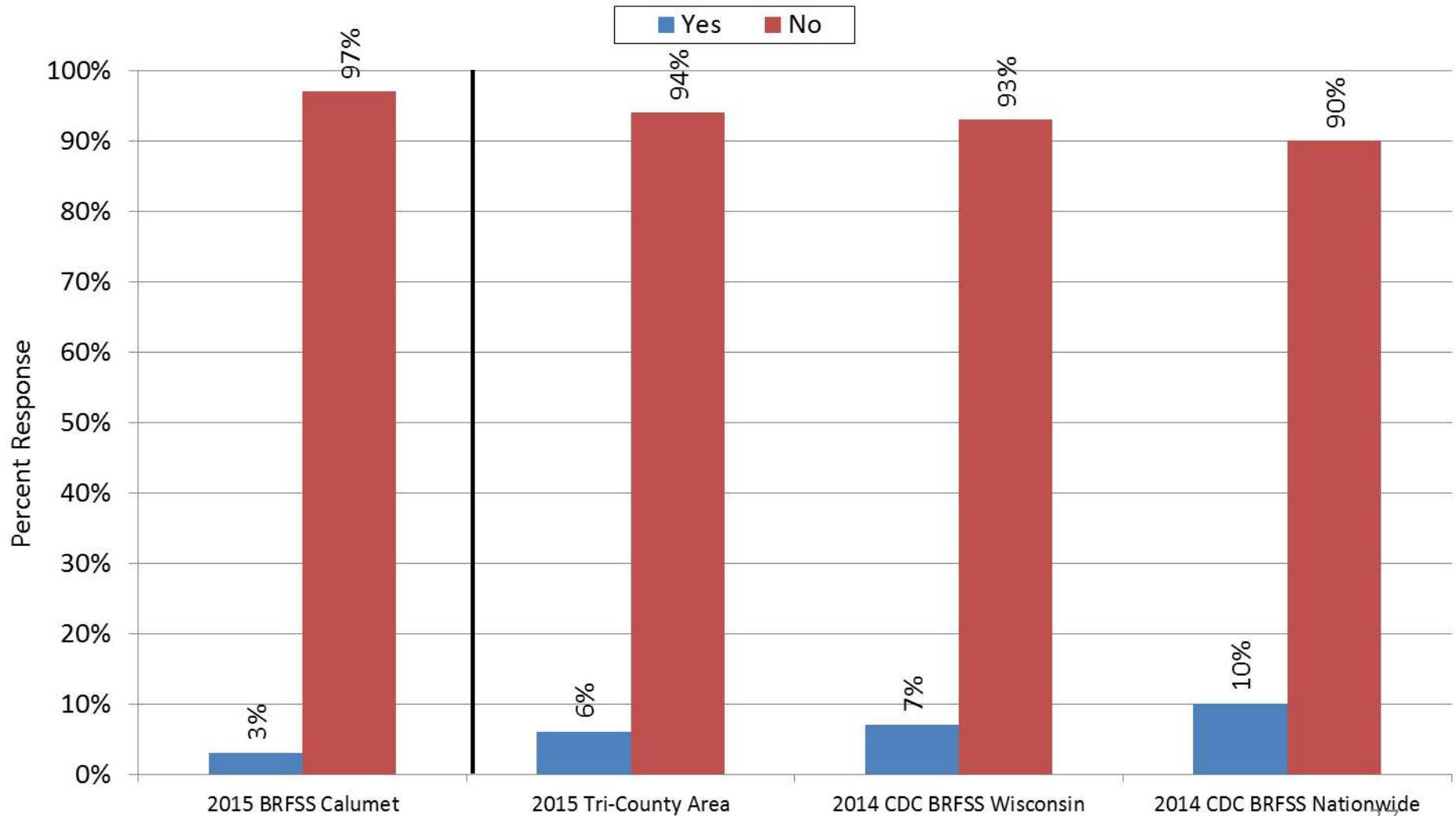
BRFSS Alcohol - 5 or More Drinks

“Considering all types of alcoholic beverages, how many times during the past 30 days did you have 5 or more drinks on an occasion?” 47% of respondents age 18-24 reported drinking 5 or more drinks 2 to 4 times in the past 30 days.



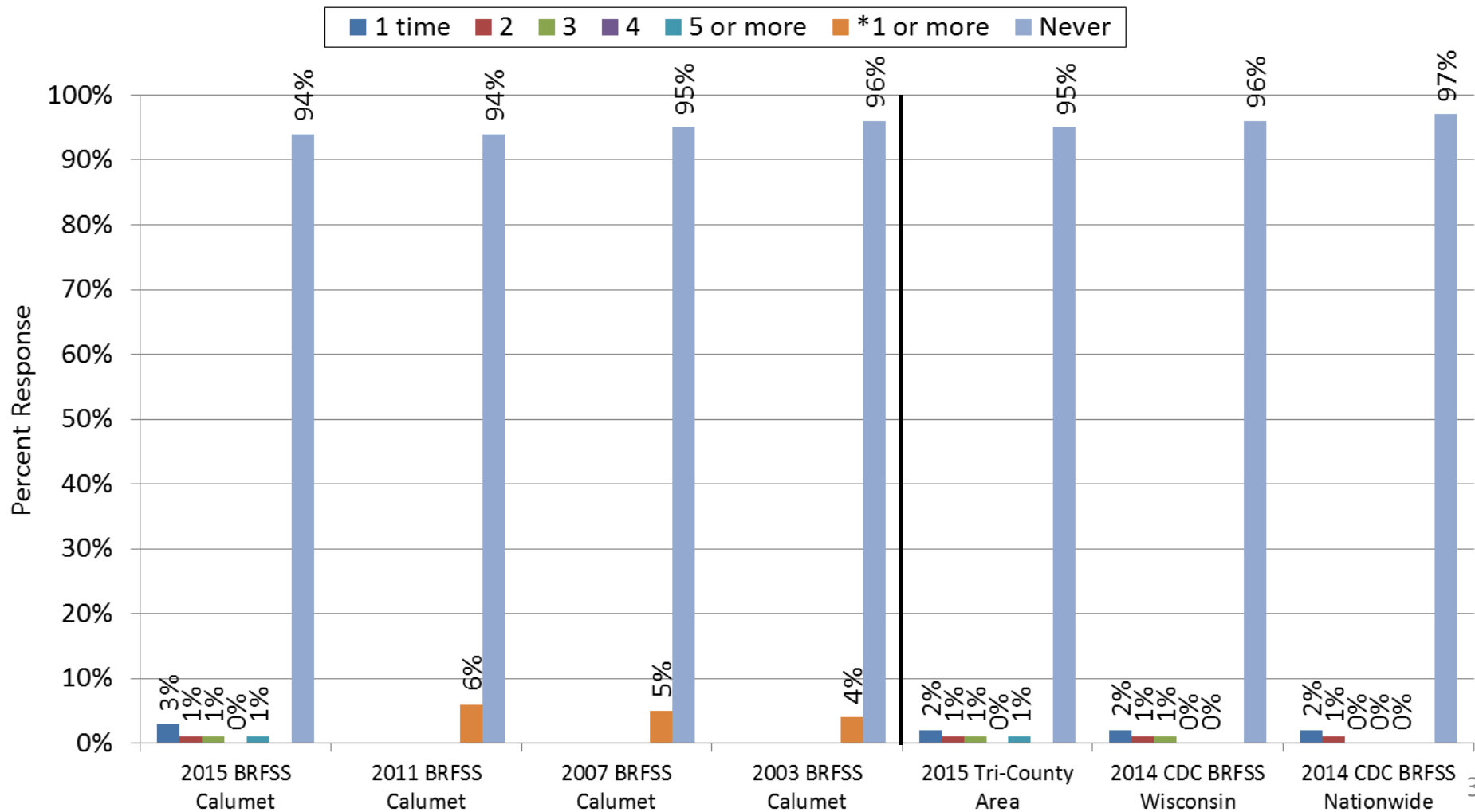
BRFSS Alcohol: Screening

“At your last routine checkup, were you advised to reduce or quit drinking?”

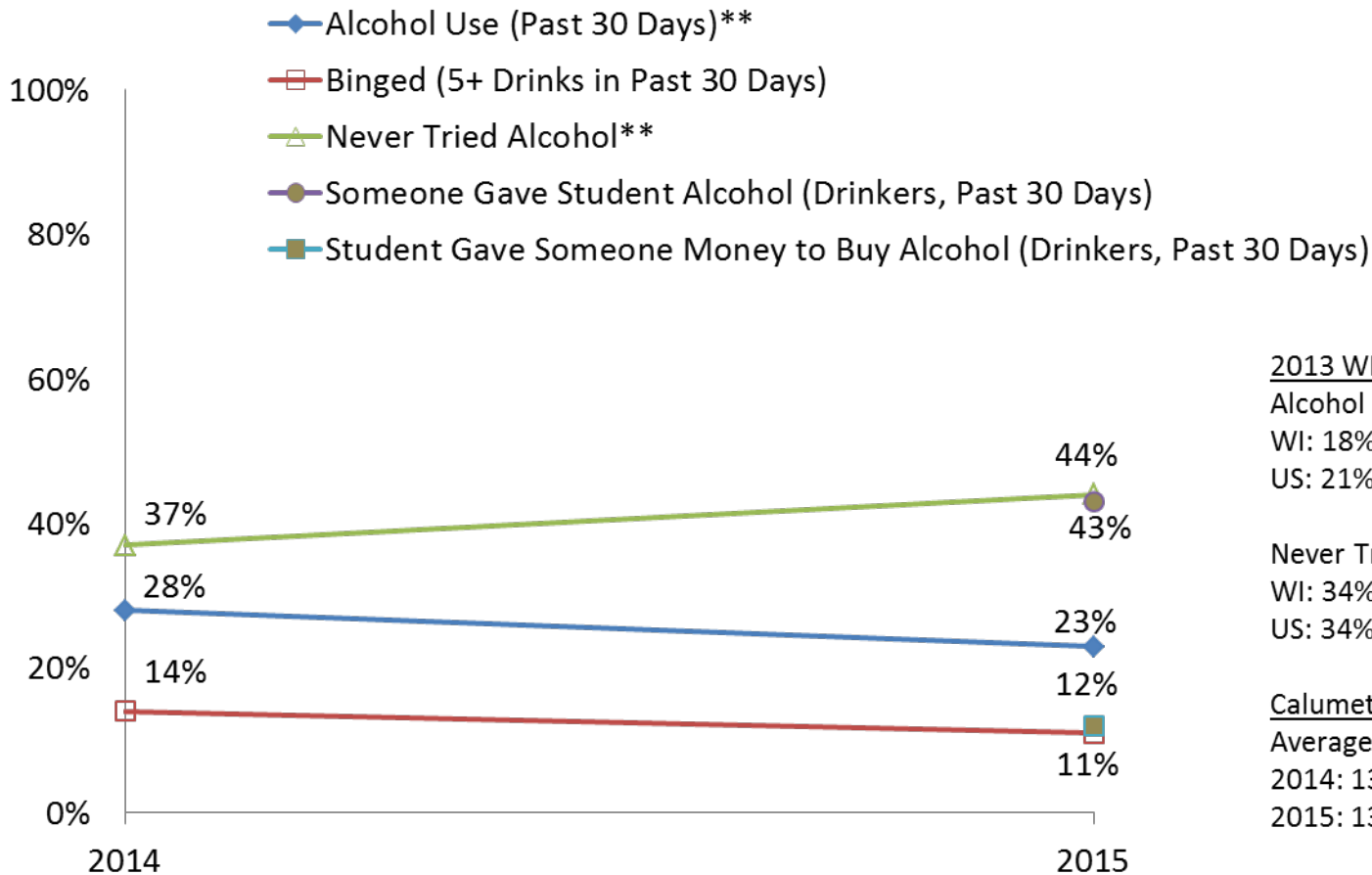


BRFSS Alcohol: Drinking and Driving

“During the past 30 days, how many times have you driven when you’ve had perhaps too much to drink?”



2015 YRBS—Alcohol Use



2013 WI & US YRBS

Alcohol Use	Binged
WI: 18%	WI: 33%
US: 21%	US: 35%

Never Tried Alcohol

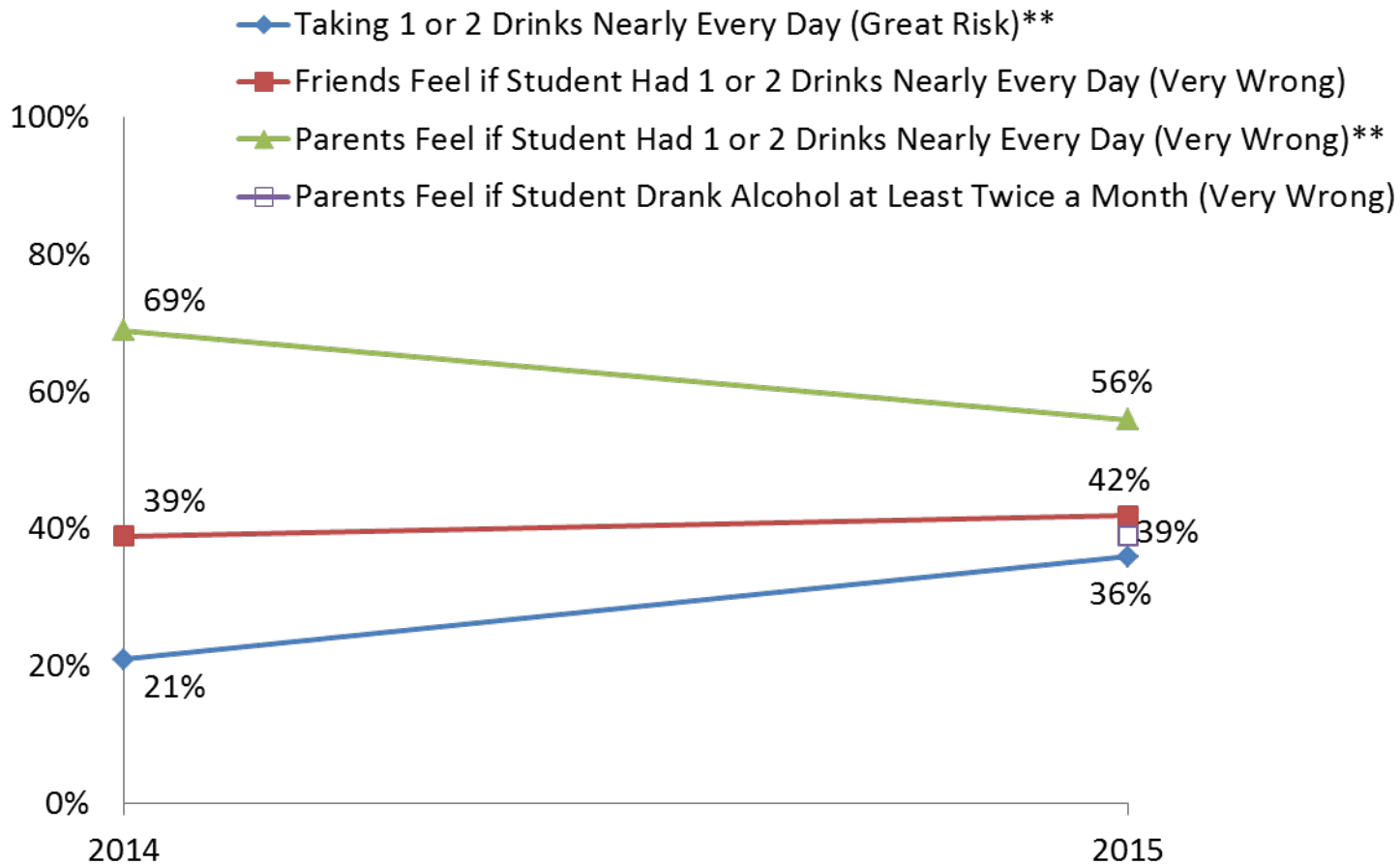
WI: 34%
US: 34%

Calumet County

Average age of first use
2014: 13.2
2015: 13.4

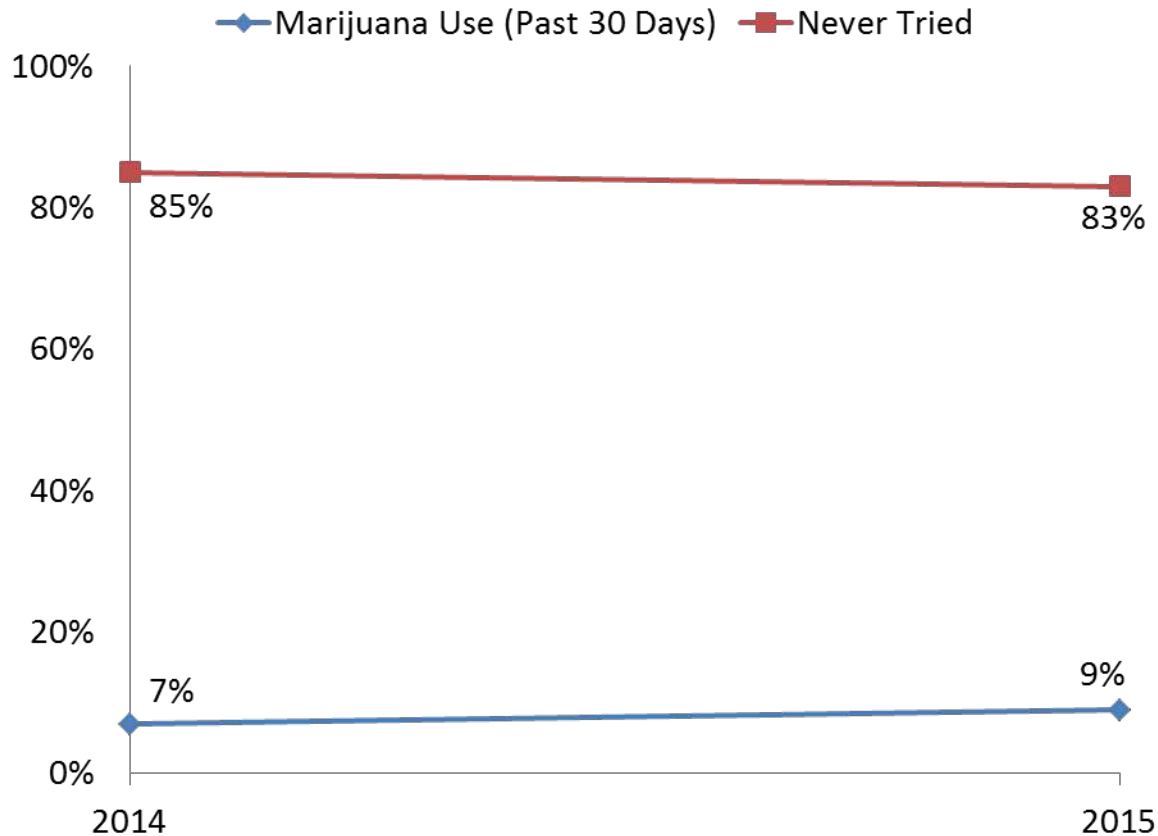
**2015 data statistically different from 2014 data at $p \leq 0.05$

2015 YRBS—Perceptions of Alcohol Use



**2015 data statistically different from 2014 data at $p \leq 0.05$

2015 YRBS—Marijuana Use



2013 WI & US YRBS

Marijuana Use

WI: 17%

US: 23%

Never Tried Marijuana

WI: 69%

US: 59%

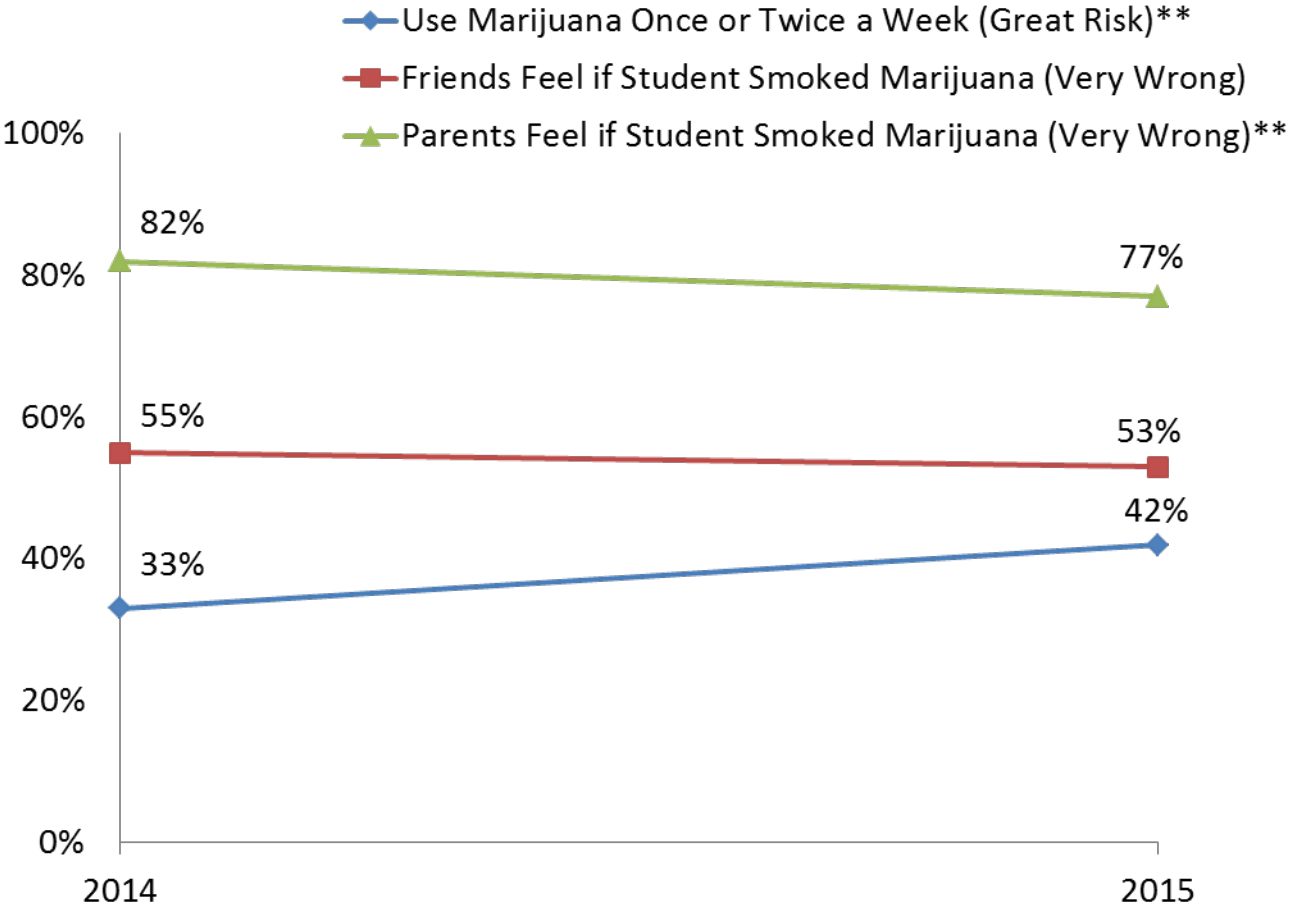
Calumet County

Average age of first use

2014: 14.2

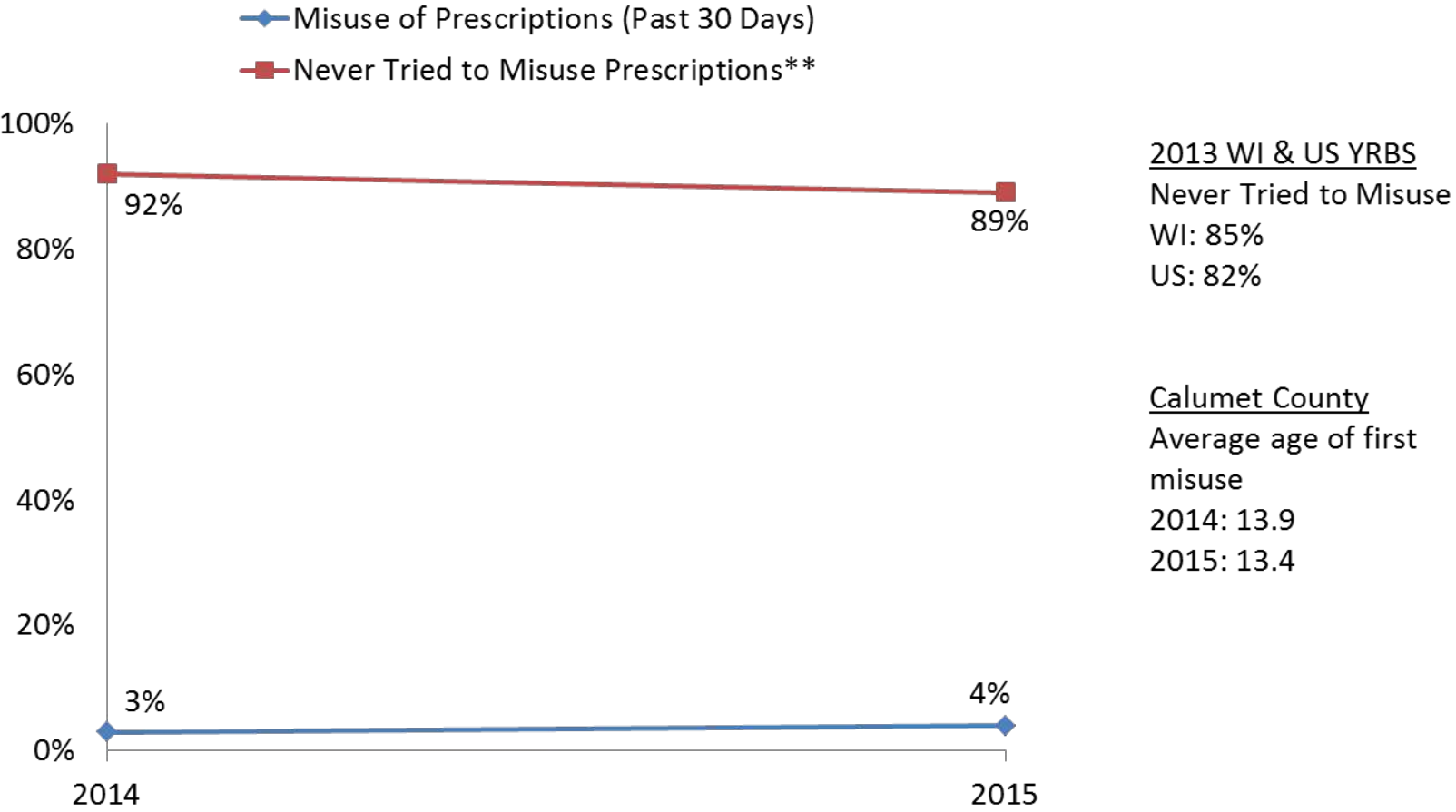
2015: 14.1

2015 YRBS—Perceptions of Marijuana Use



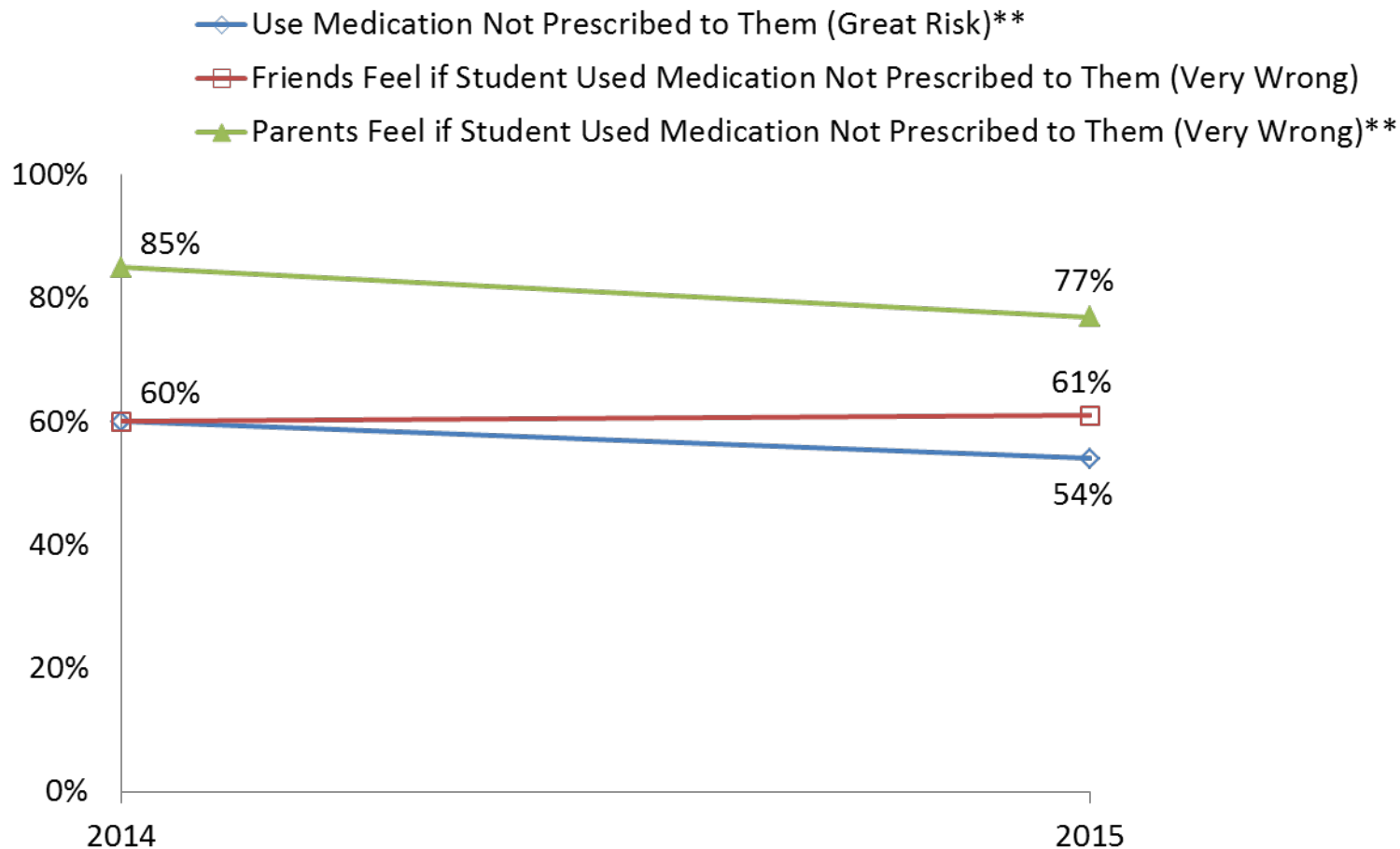
**2015 data statistically different from 2014 data at $p \leq 0.05$

2015 YRBS—Misuse of Prescription Medication (Without Doctor’s Prescription)



**2015 data statistically different from 2014 data at $p \leq 0.05$

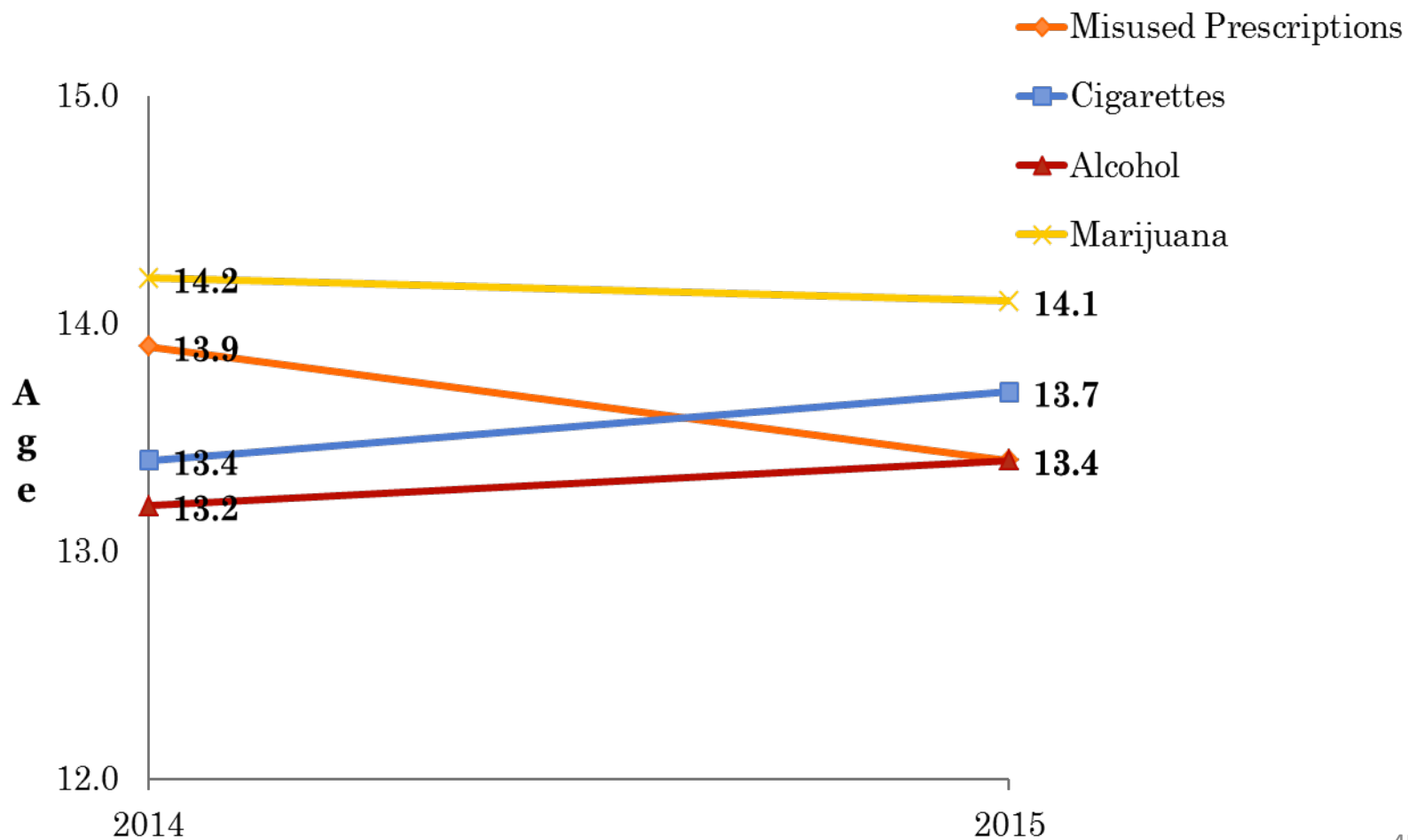
2015 YRBS—Perceptions of Misuse of Prescription Medication



**2015 data statistically different from 2014 data at $p \leq 0.05$

2015 YRBS

AVERAGE AGE OF FIRST SUBSTANCE USE

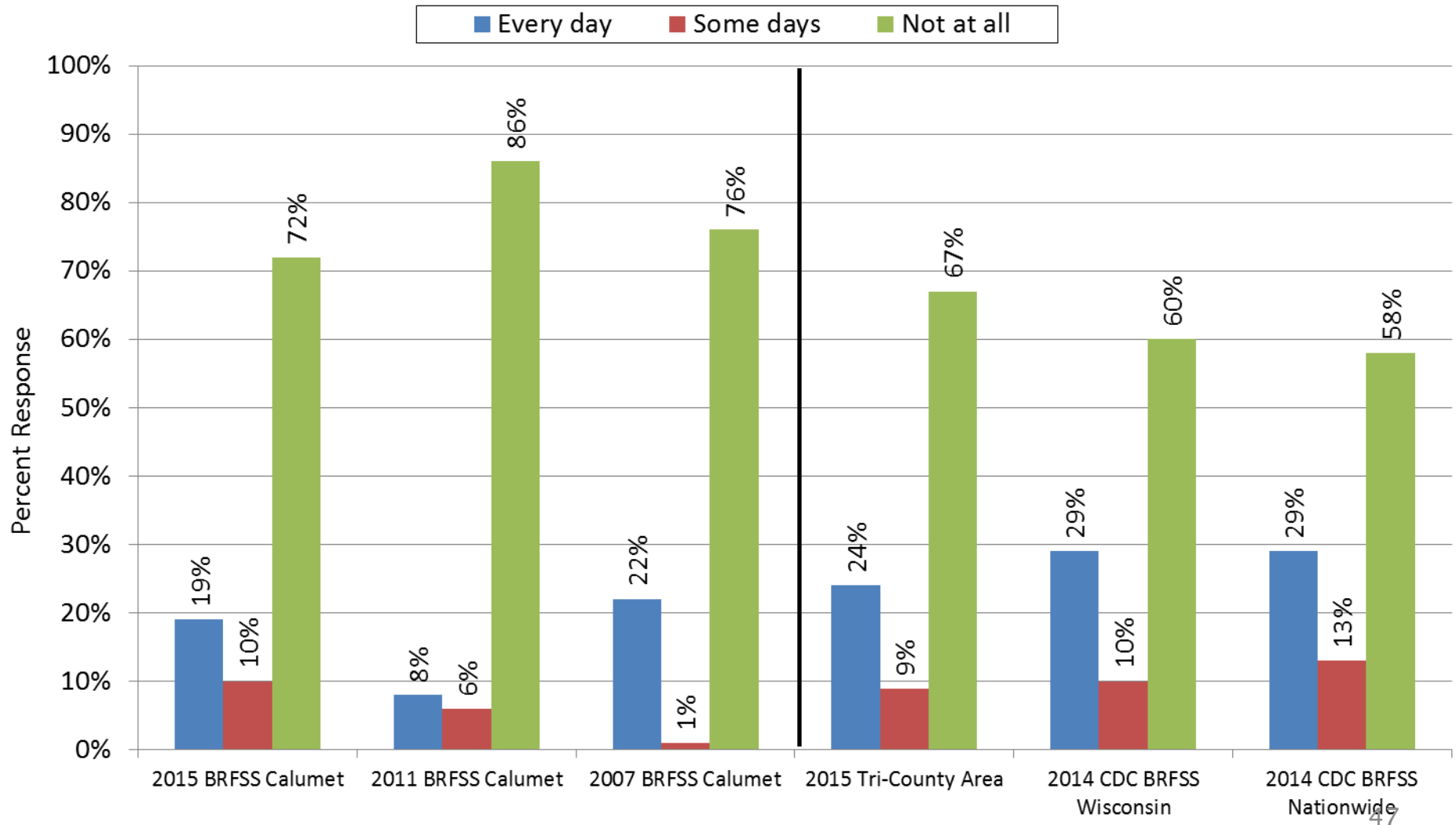




Tobacco Use

BRFSS Tobacco Use: Current Smoking

“Do you now smoke cigarettes every day, some days or not at all?”

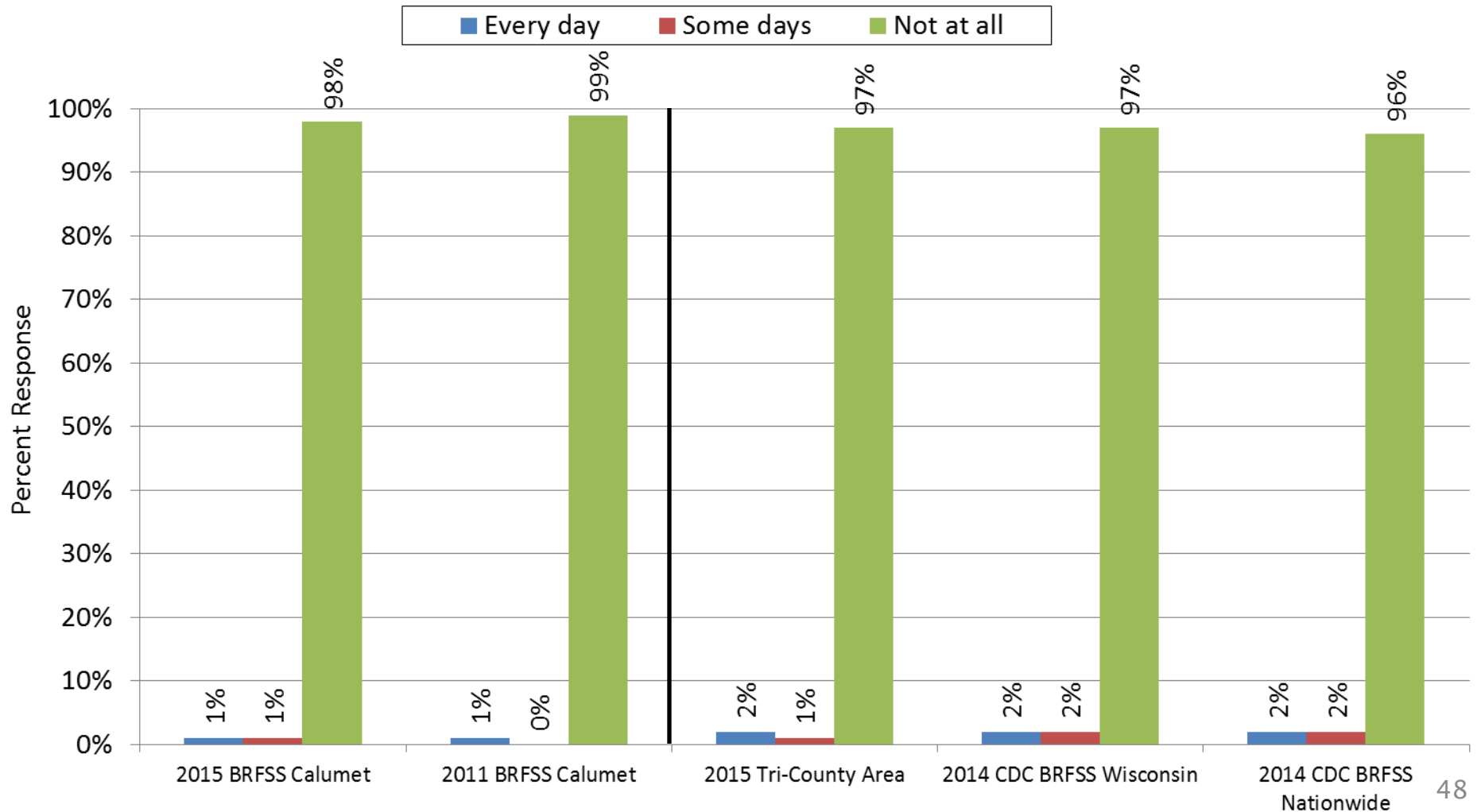


*2015 LOCAL DATA AND 2014 STATE AND NATIONAL DATA IS BASED ONLY ON THOSE WHO HAVE SMOKED “100 CIGARETTES IN LIFETIME.”

*2011-2007 INCLUDE ALL RESPONDENTS; “100 CIGARETTE” QUESTION NOT ASKED.

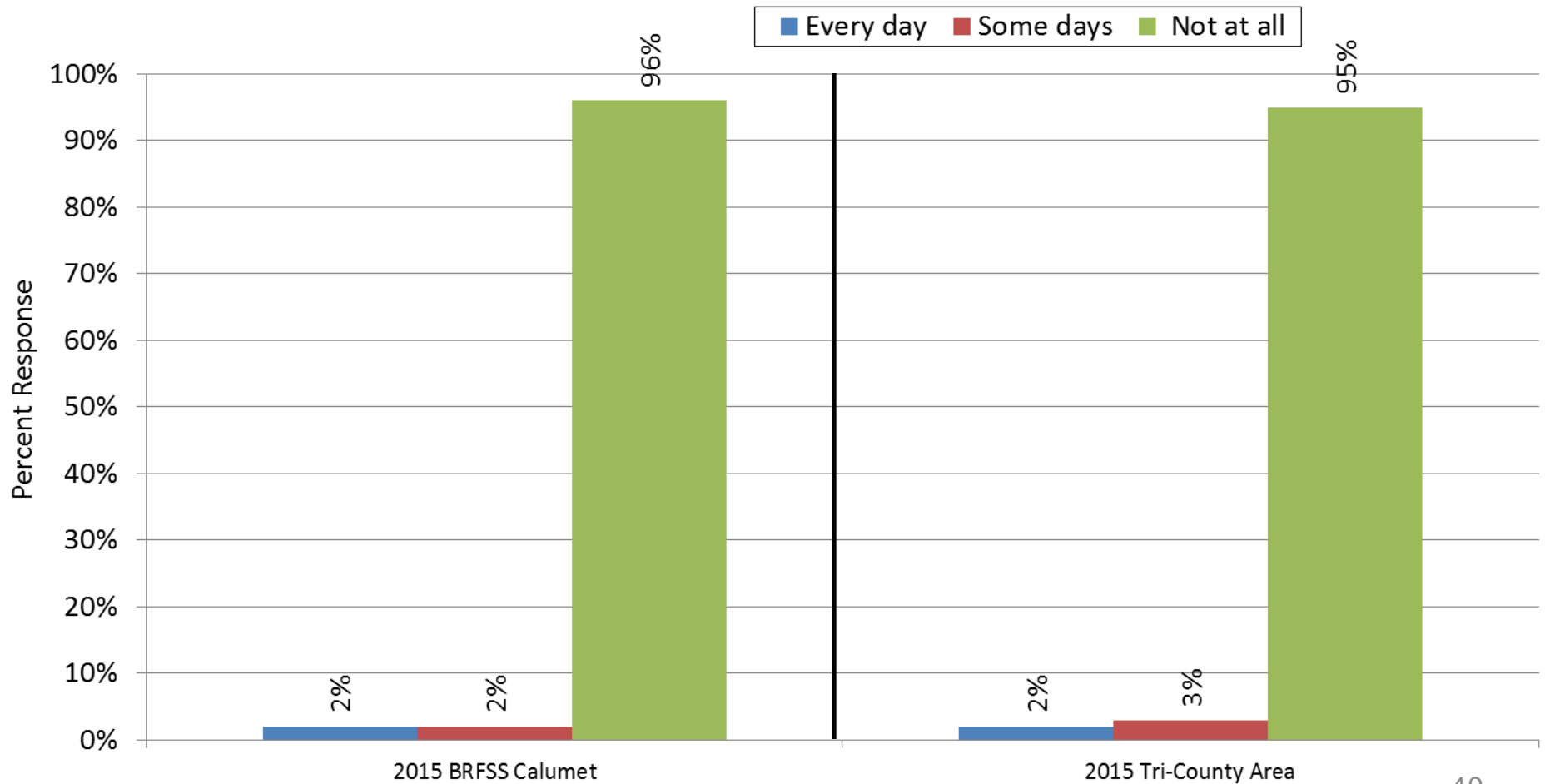
BRFSS Tobacco Use: Smokeless Tobacco

“Do you currently use chewing tobacco, snuff, or snus every day, some days, or not at all?”

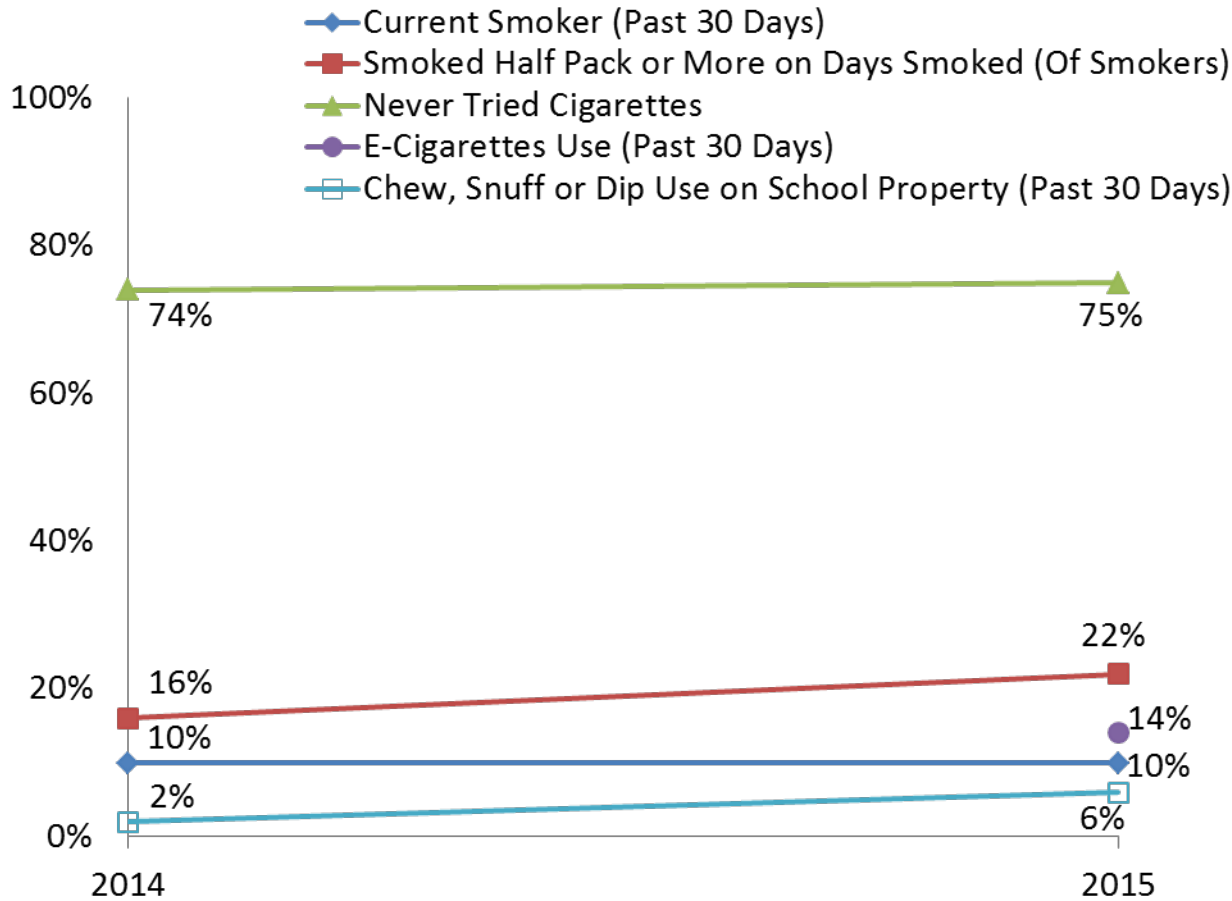


BRFSS E-Cigarette Use

“Do you currently use electronic cigarettes (e-cigarettes, NJOY, Bluetip) every day, some days, or not at all?” Respondents ages 18-24 had the highest rates of e-cig use; “some days” 18% and “every day” 10%.



2015 YRBS—Tobacco and E-Cigarette Use



2013 WI & US YRBS

Current Smoker

WI: 12%

US: 16%

Smoked Half Pack

(Of Smokers)

WI: 10%

US: 9%

Never Tried Cigarettes

WI: 67%

US: 59%

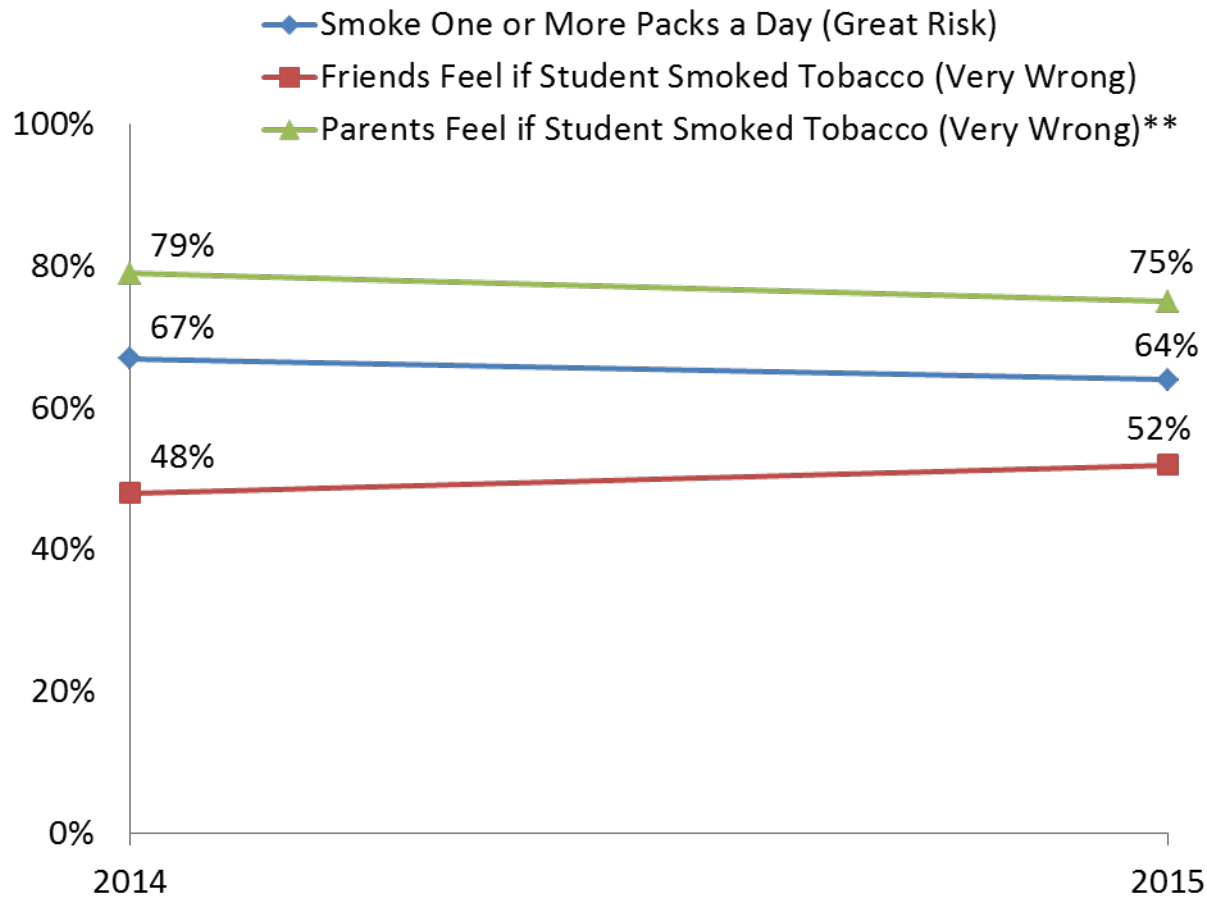
Calumet County

Average age of first use

2014: 13.4

2015: 13.7

2015 YRBS—Perceptions of Tobacco Use



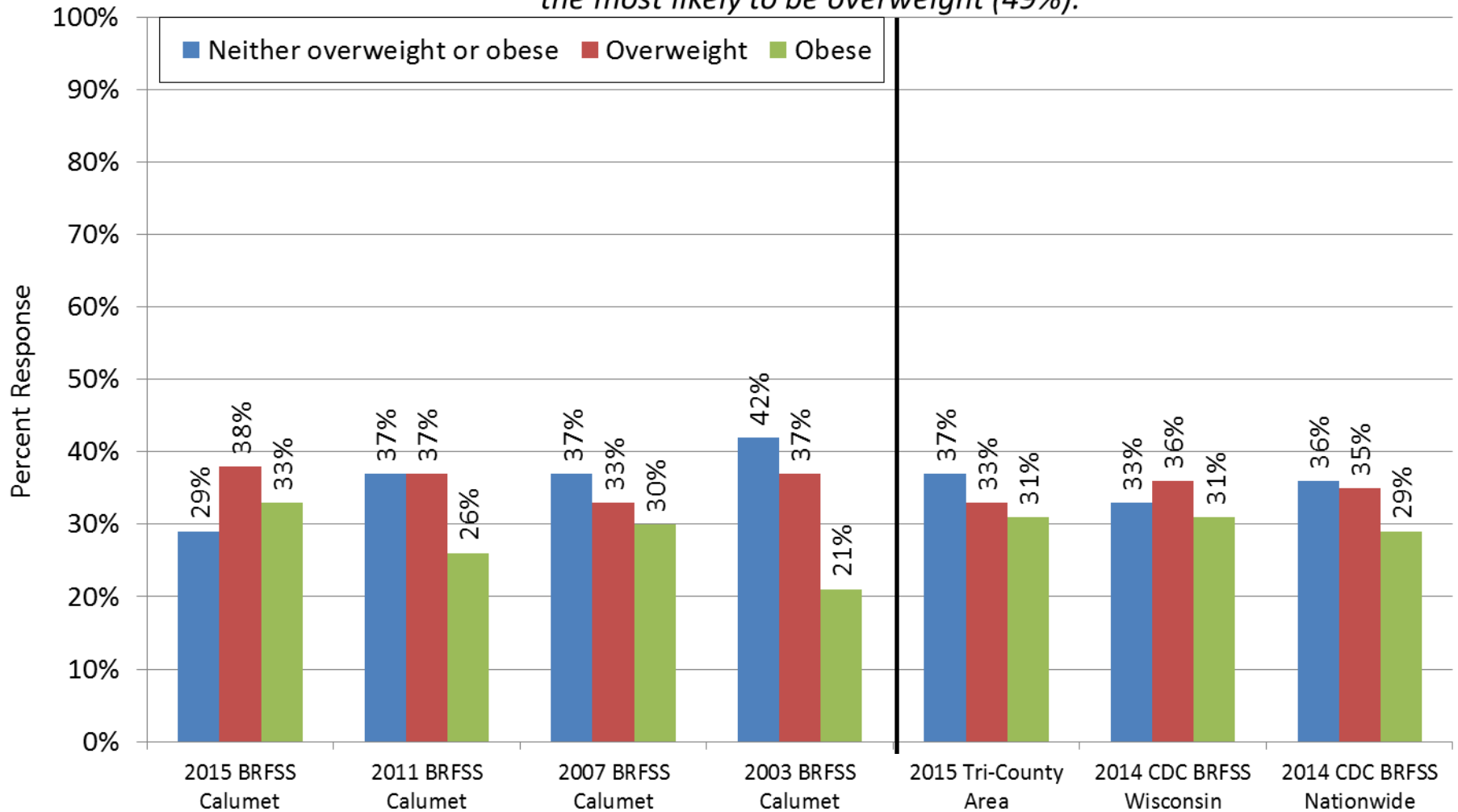
**2015 data statistically different from 2014 data at $p \leq 0.05$



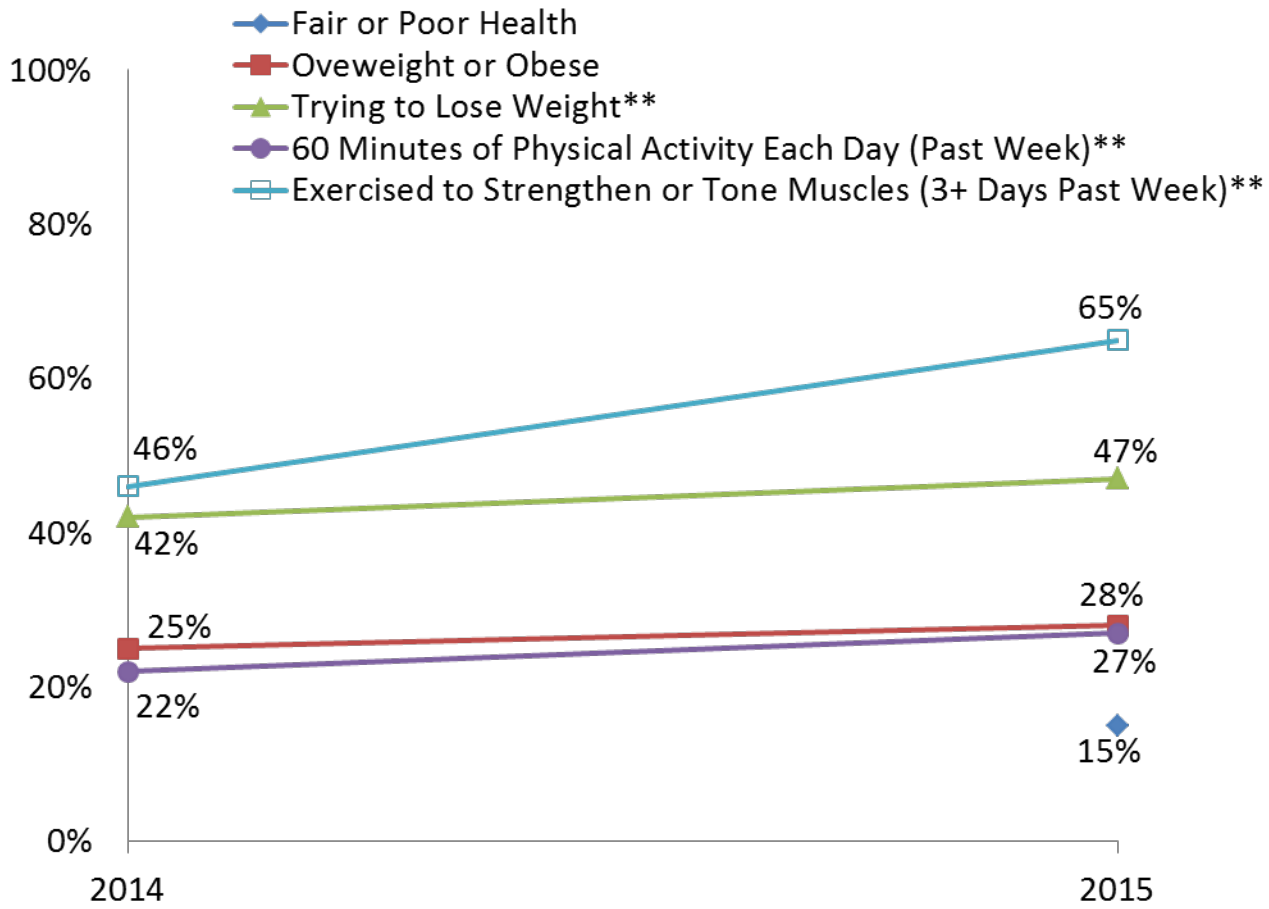
Physical Activity & Nutrition

BRFSS Physical Activity & Nutrition: BMI

BMI is calculated as $\{\text{weight in pounds}/(\text{height in inches})(\text{height in inches})\} \times 703$
 Respondents age 65 and over were most likely to be obese (40%) and those 25-34 were the most likely to be overweight (49%).



2015 YRBS—Physical Health and Exercise



2013 WI & US YRBS

Overweight or Obese
WI: 25%
US: 30%

Trying to Lose Weight
WI: 43%
US: 48%

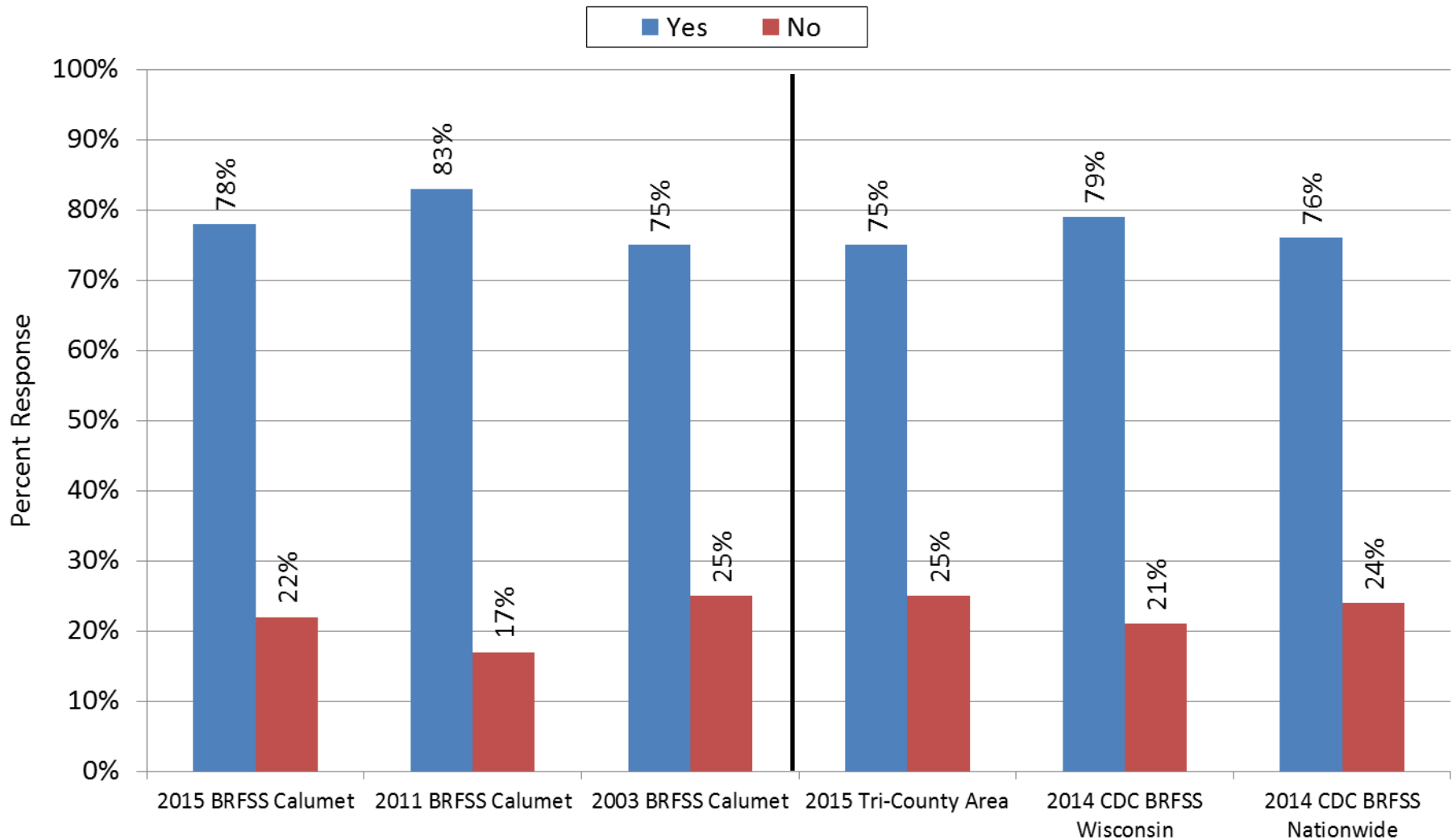
60 Minutes Physical Activity Each Day
WI: 24%
US: 27%

Exercised to Strengthen/Tone Muscles
US: 52%

**2015 data statistically different from 2014 data at $p \leq 0.05$

BRFSS Physical Activity & Nutrition: Exercise

“During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?”



Physical Activity & Nutrition: Access to Exercise Opportunities

Percent of the population with adequate
access to locations for physical activity

(2010 & 2013 data)

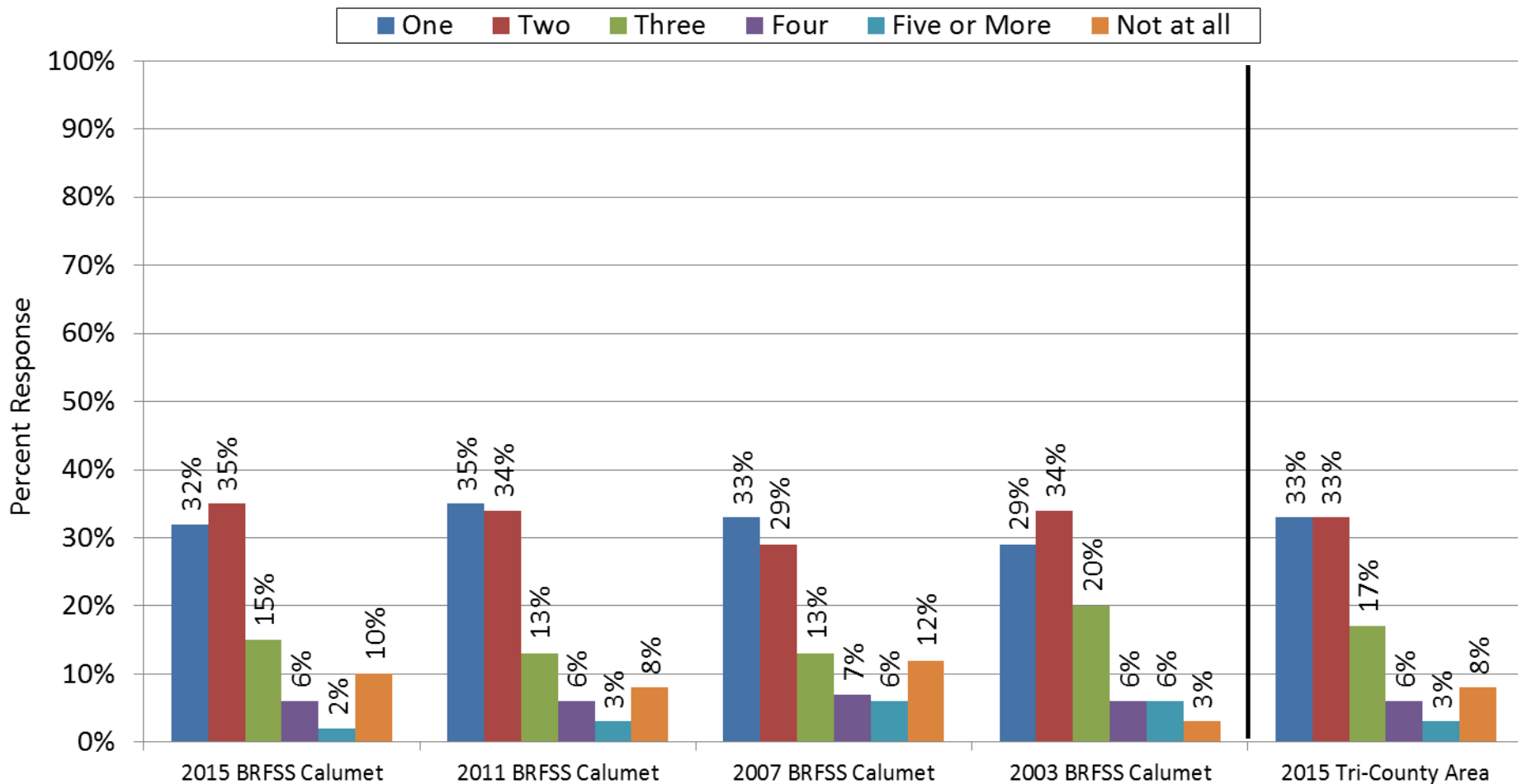
Calumet County: 65%

Wisconsin: 83%



BRFSS Physical Activity & Nutrition: Fruits

“On an average day, not counting juice, how many servings of fruit do you eat?”

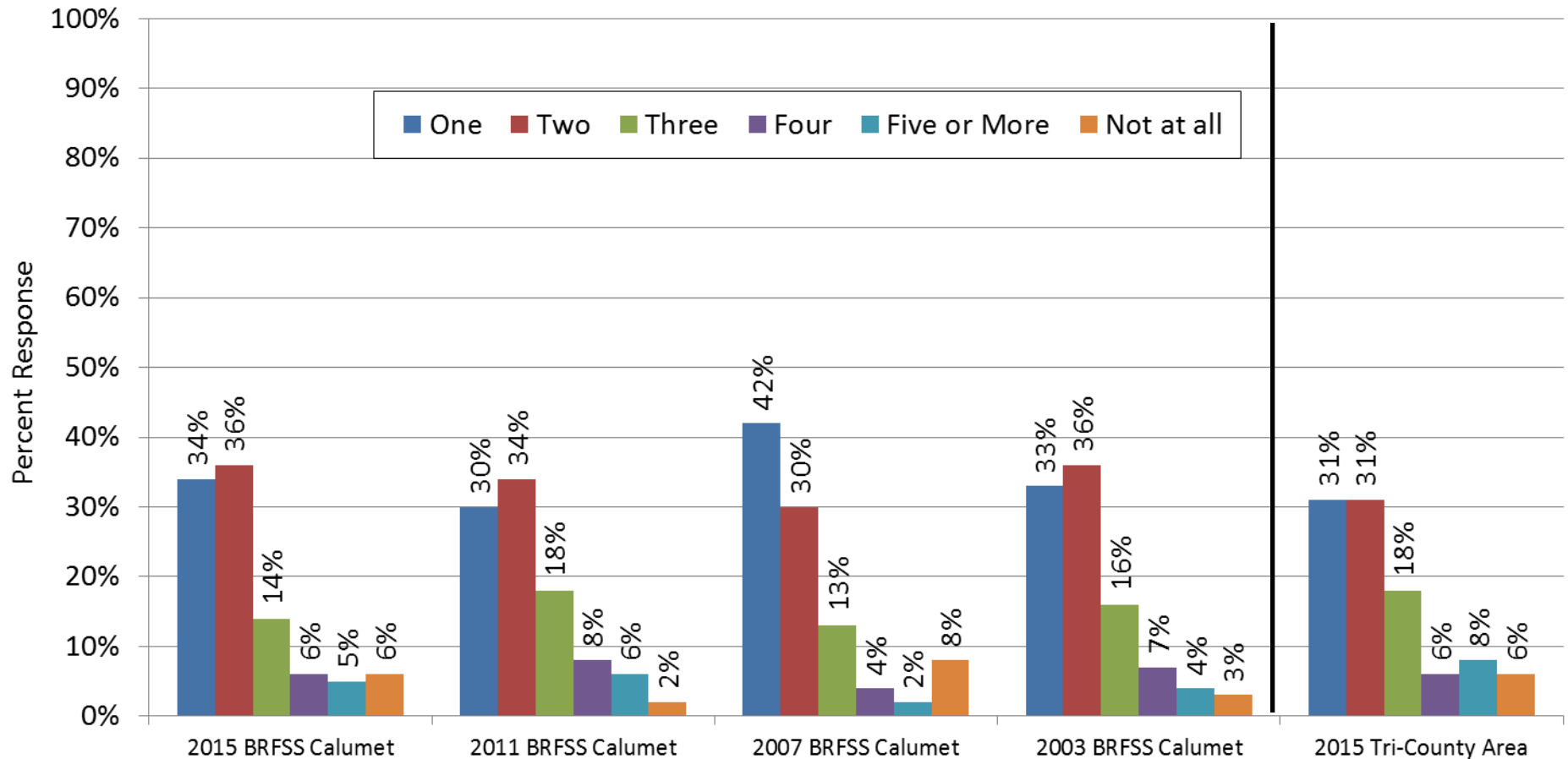


*2007 AND 2003 INCLUDED 6 OUNCES OF FRUIT JUICE. ONE SERVING IS ½ CUP OF CANNED OR COOKED FRUIT, 1 MEDIUM PIECE OF FRUIT, OR ¼ CUP OF DRIED FRUIT.

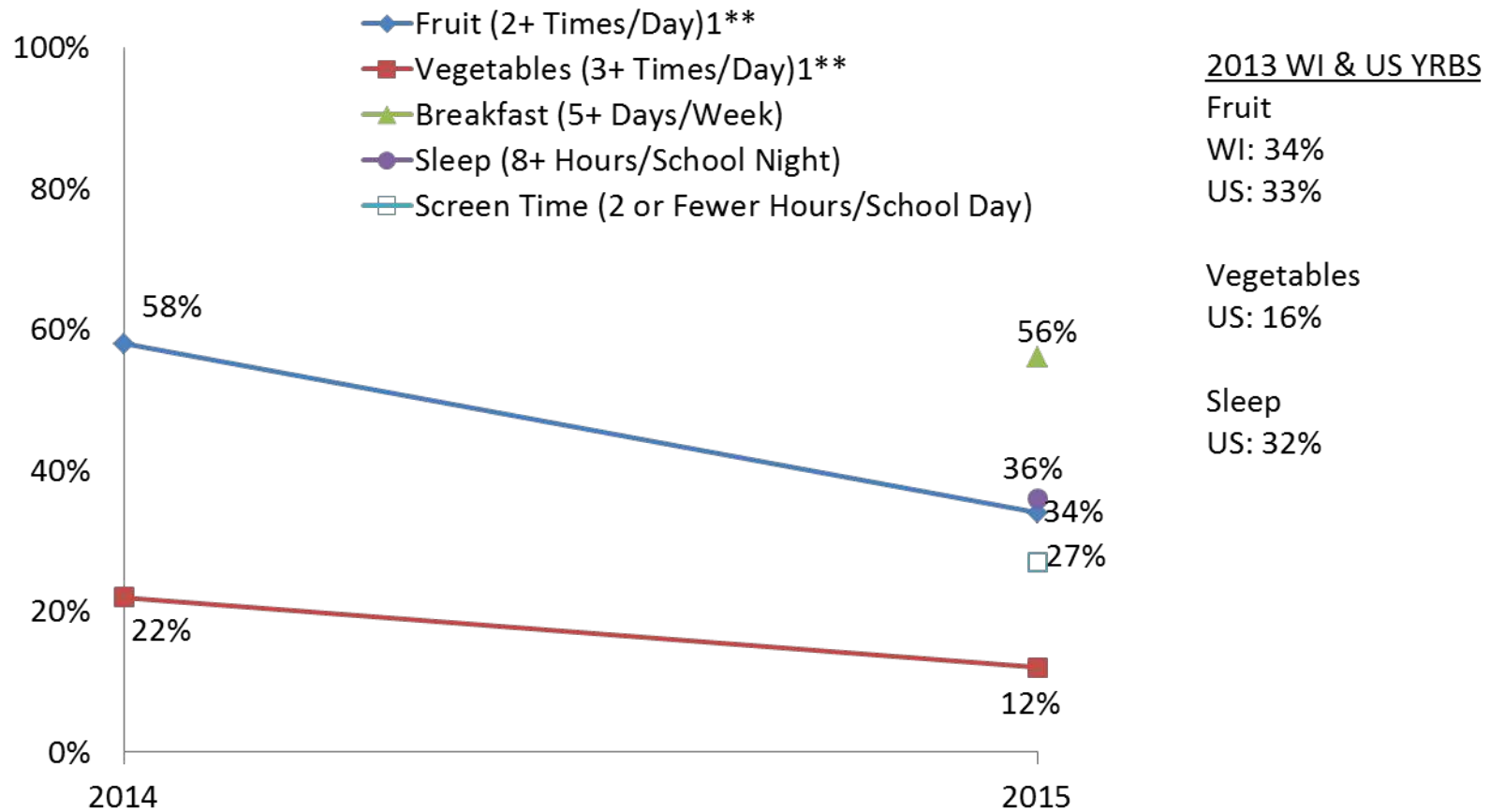
* NO 2014 STATE OR NATIONAL DATA.

BRFSS Physical Activity & Nutrition: Vegetables

“On an average day, how many servings of vegetables do you eat? The highest percentage in the “5 or more” category was for respondents with an annual household income of <\$10,000 (17%), while 17% making \$25,001-\$35,000 reported “not at all.”



2015 YRBS—Healthy Eating and School Habits

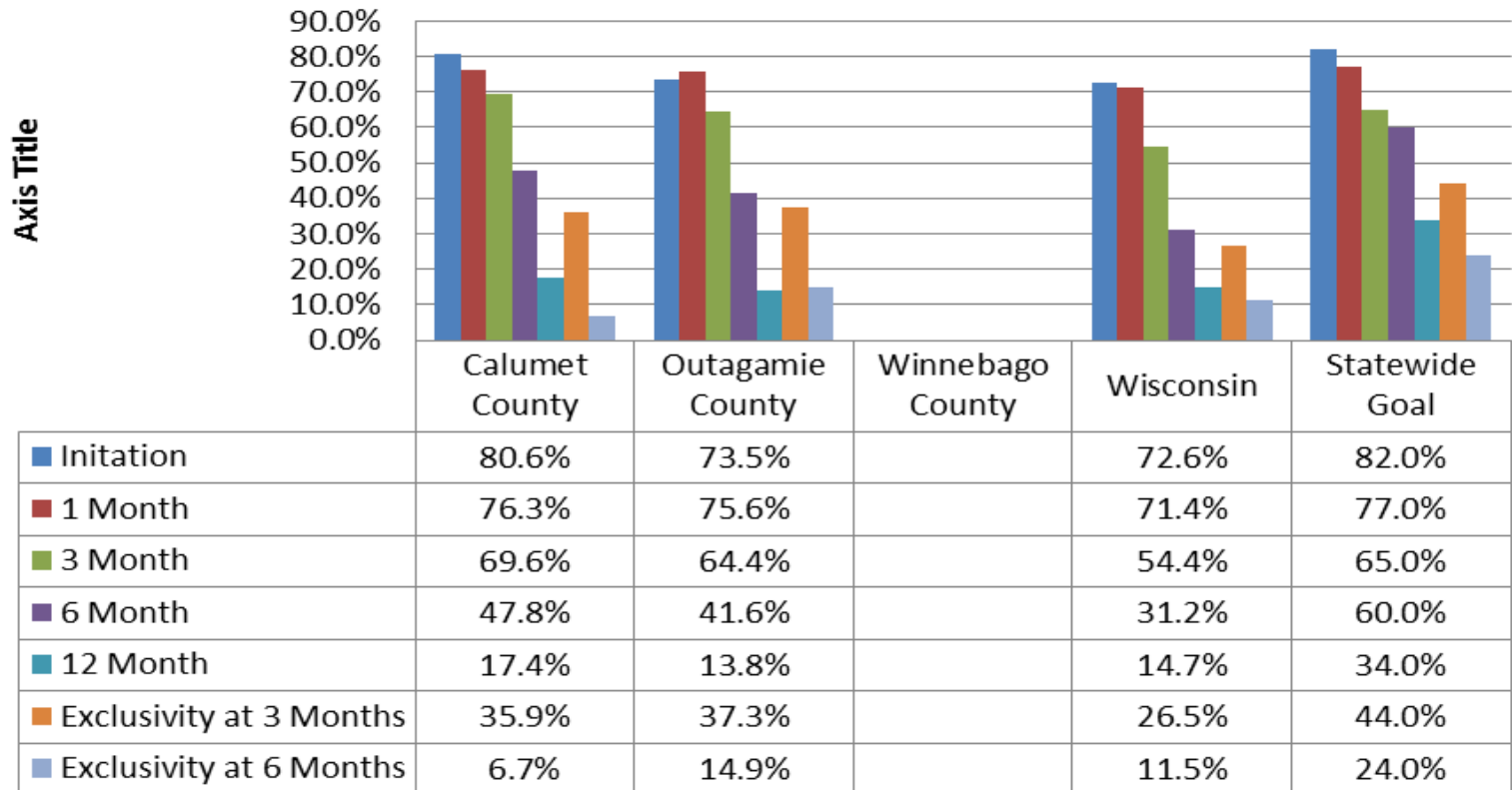


¹ Fruit and vegetable consumption time frame changed from “yesterday” to “past seven days”

^{**}2015 data statistically different from 2014 data at $p \leq 0.05$

Physical Activity & Nutrition: Breastfeeding

Breastfeeding Incidence, Duration, and Exclusivity, WIC (2014)



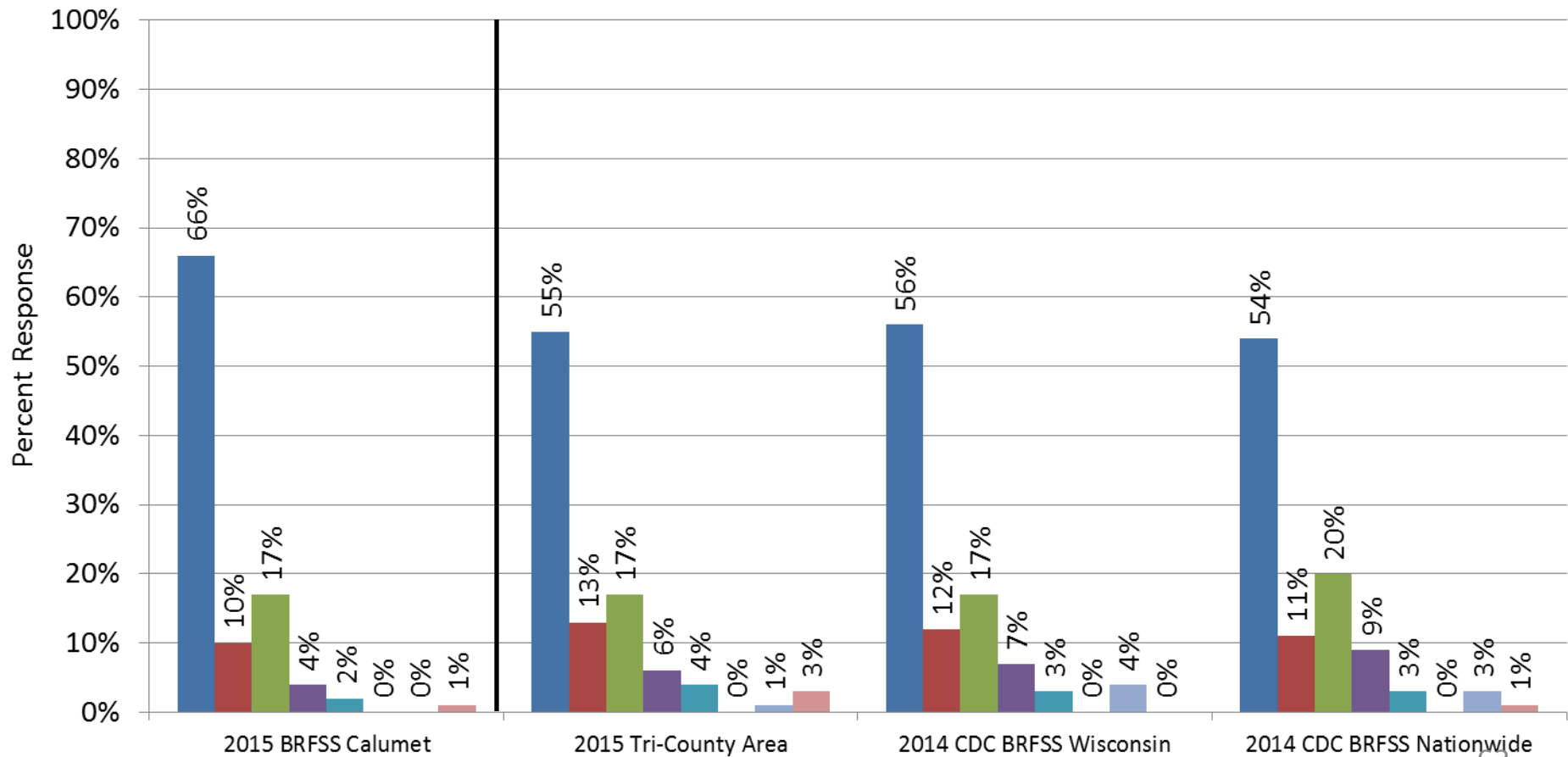
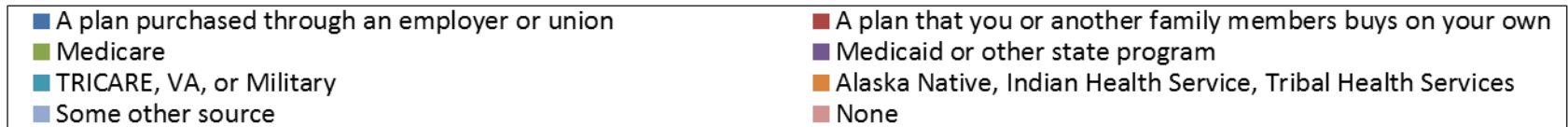
Source: Wisconsin WIC Program



Access to Care

BRFSS Access to Care: Health Insurance

“What is the primary source of your health care coverage? Is it...”





Education

Education: High School Graduation

Percent of 9th grade cohort that graduates
in four years

(2011-2012 data)

Calumet County: 94%

Wisconsin: 88%



Education: Completed Some College

Percent of adults age 25-44 with some college
or associate's degree

(2009-2013 data)

Calumet County: 68.7%

Wisconsin: 65.9%



Source: County Health Rankings/US Census



Adequate Income

Adequate Income: Median Household Income

**Median household income
for all residents of a household over age 18**
(2015 data)

Calumet County: \$66,657

Wisconsin: \$51,474



Source: County Health Rankings/US Census

Adequate Income: Children in Poverty

Percent of children under 18 living below the Federal Poverty Line

(2013 data)

Calumet County: 8%

Wisconsin: 18%



Source: County Health Rankings/US Census

Adequate Income: Food Insecurity

Percent of people who did not have adequate access to food during the past year

(2015 data)

Calumet County: 8%

Wisconsin: 13%



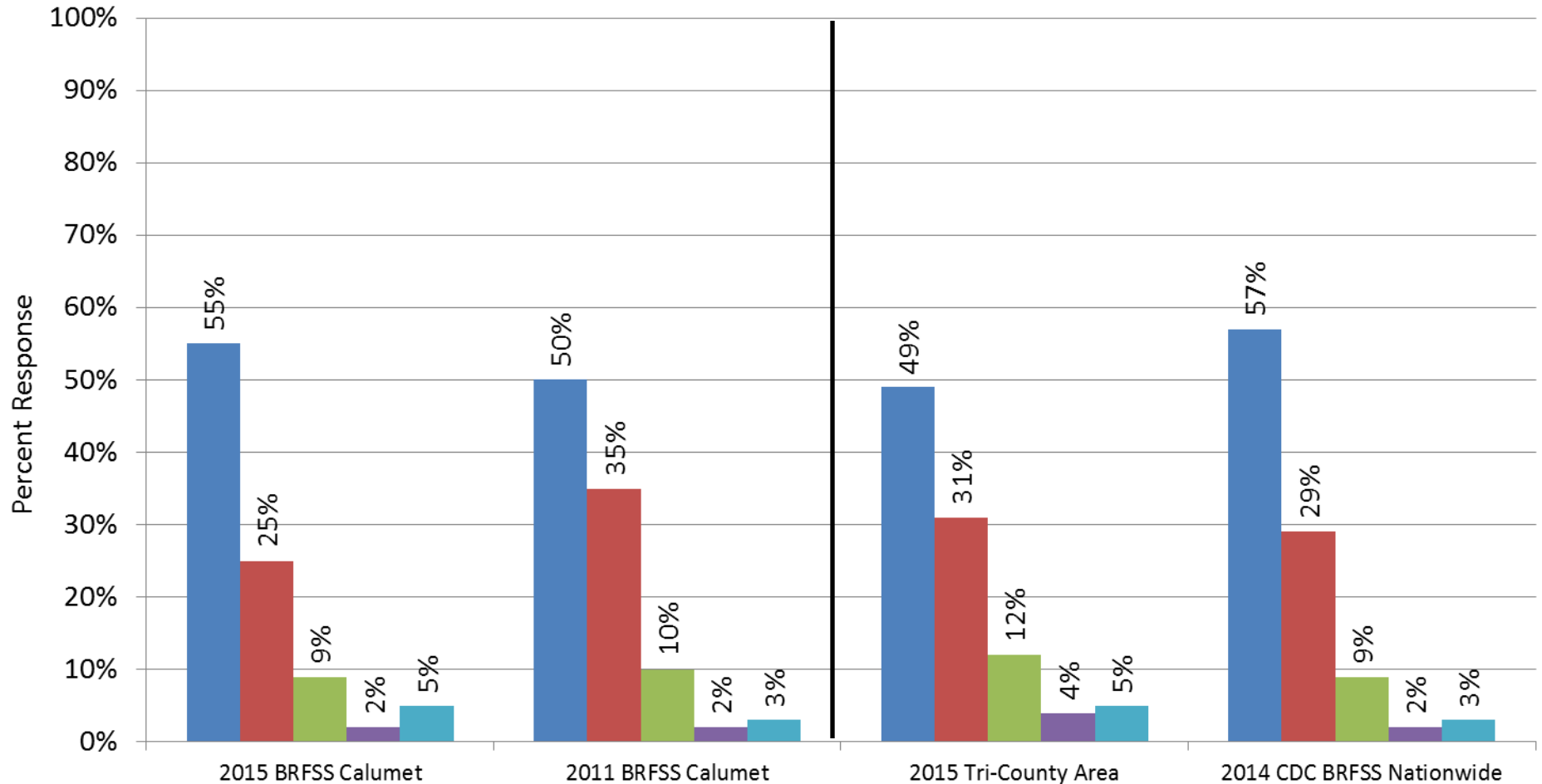


Social Support

BRFSS Social Support: Frequency

“How often do you get the social and emotional support you need?”

Always Usually Sometimes Rarely Never



*2015 RESPONDENTS SHOWED A HIGHER DEGREE OF NOT SURE (4%).

*NO 2014 STATE DATA.



Social Support: Single-Parent Households

Percent of children that live in a household
headed by a single parent
(2009-2013 data)

Calumet County: 21%

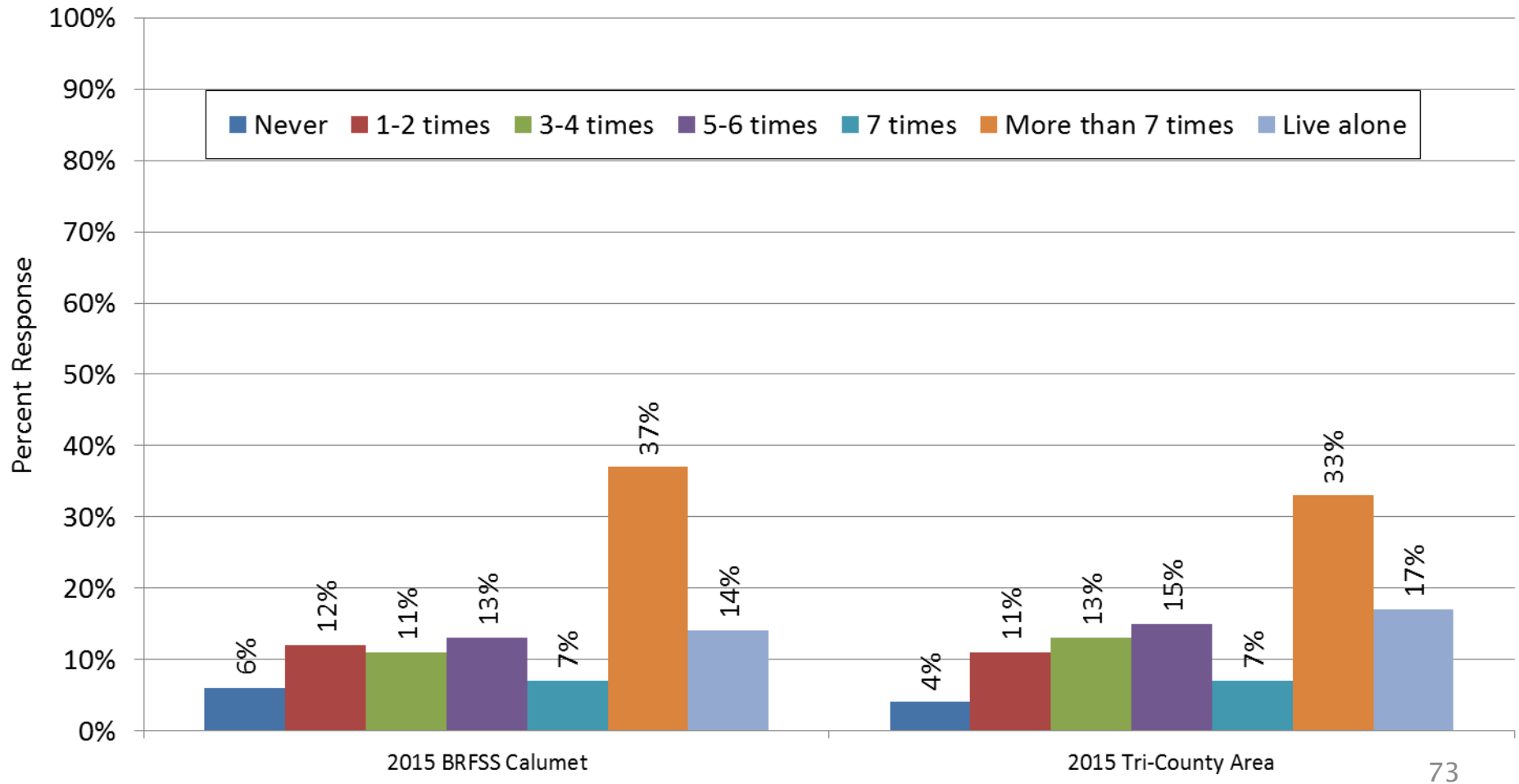
Wisconsin: 31%



BRFSS Social Support: Family Mealtime

“During the past week, how many times did all, or most, of your family living in your household eat a meal together?”

More respondents without children under the age of 18 years old living with them (53%) reported eating with family members more than 7 times





Healthiest Calumet County Community Health Improvement Priorities

- **Physical Activity and Nutrition**
- **Alcohol and Other Drug Use**
- **Mental Health** (incorporated into the above priorities)





Natural Environment

Natural Environment: Air Quality Ground Level Ozone

Annual number of days above standard

(2015 Calumet County Environmental Health Profile: 2011 data)

Calumet County: 2.0

Wisconsin: 0.7



Natural Environment: Air Quality

Particulate Matter (PM 2.5)

Annual average

(2015 Calumet County Environmental Health Profile: 2011 data)

Calumet County: 10.6

Wisconsin: 9.4





Healthiest Calumet County Community Health Improvement Initiative

Healthiest Calumet County Steering Committee

U-CAN—Physical activity and nutrition

REACH—Alcohol and other drug use



Links of Interest

Calumet County Health Rankings Snapshot

<http://www.countyhealthrankings.org/app/wisconsin/2015/rankings/calumet/county/outcomes/overall/snapshot>

Calumet County Environmental Health Profile

<https://www.dhs.wisconsin.gov/publications/p0/p00719-calumet.pdf>

Thank You!

