

# Community Health Needs Assessment (CHNA)

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## Report Area

Pierce County, WI; St. Croix County, WI

## Contents

Demographics .....	3
Total Population .....	4
Median Age .....	6
Population Under Age 18 .....	8
Population Age 65+ .....	9
Population with Any Disability .....	10
Population with Limited English Proficiency .....	11
Social and Economic Factors .....	12
Food Insecurity Rate .....	13
High School Graduation Rate (EdFacts) .....	14
Income - Per Capita Income .....	15
Lack of Social or Emotional Support .....	16
Poverty - Children Below 100% FPL .....	17
Poverty - Population Below 100% FPL .....	18
Unemployment Rate .....	19
Violent Crime .....	20
Physical Environment .....	21
Air Quality - Particulate Matter 2.5 .....	22
Low Income Population with Low Food Access .....	23
Recreation and Fitness Facility Access .....	24
Access to Care and Clinical Care .....	25
Insurance - Uninsured Population .....	26
Access to Primary Care .....	28
Access to Dentists .....	29
Access to Mental Health Care .....	30
Cancer Screening - Mammogram .....	31
Cancer Screening - Sigmoidoscopy or Colonoscopy .....	32

Diabetes Management - Hemoglobin A1c Test .....	33
Dental Care Utilization .....	34
Immunization Rates- Childhood Series .....	35
Lack of a Consistent Source of Primary Care .....	36
Prenatal Care.....	37
Population Living in a Health Professional Shortage Area.....	38
Potentially Preventable Readmissions Rate (30 day), Allina Health Data .....	39
Health Behaviors .....	40
Physical Inactivity- Adults .....	41
Physical Activity- Youth .....	43
Fruit/Vegetable Consumption- Adults .....	44
Fruit/Vegetable Consumption- Youth.....	45
Alcohol Consumption.....	46
Tobacco Usage - Current Smokers.....	47
Teen Births .....	48
Health Outcomes .....	50
Diabetes - Adults.....	51
Cancer .....	53
Heart Disease- Adults.....	54
Overweight- Adults .....	55
Obesity- Adults.....	56
Overweight/Obesity- Youth .....	57
Adolescent Mental Health .....	58
Poor General Health.....	59
Low Birth Weight .....	60
Mortality - Premature Death .....	61
Infant Mortality.....	62
Top Mortality Rates .....	63
Supplemental Information.....	64

## Demographics

Current population demographics and changes in demographic composition over time play a determining role in the types of health and social services needed by communities.

### Data Indicators

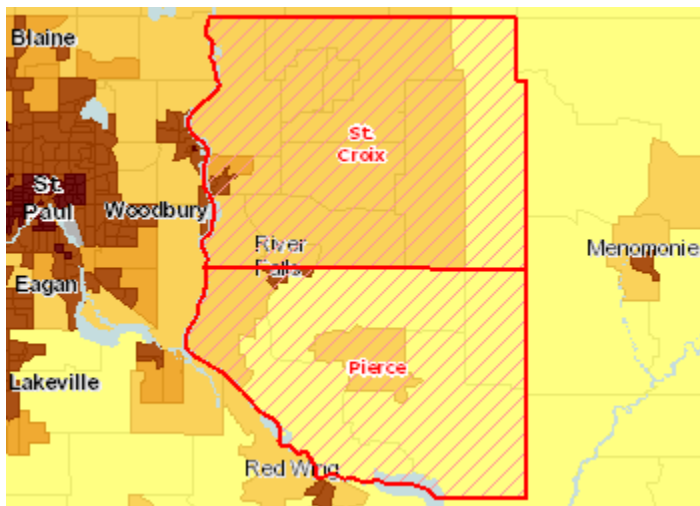
- Total Population
- Median Age
- Population Under Age 18
- Population Age 65+
- Population with Any Disability
- Population with Limited English Proficiency

## Total Population

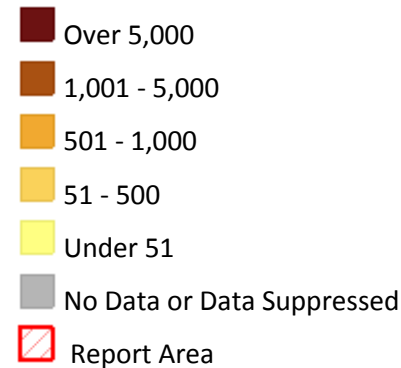
A total of 125,782 people live in the 1,295.73 square mile report area defined for this assessment according to the U.S. Census Bureau American Community Survey 2009-13 5-year estimates. The population density for this area, estimated at 97.07 persons per square mile, is greater than the national average population density of 88.23 persons per square mile.

Report Area	Total Population	Total Land Area (Square Miles)	Population Density (Per Square Mile)
Report Area	125,782	1,295.73	97.07
Pierce County, WI	40,870	573.60	71.25
St. Croix County, WI	84,912	722.14	117.58
Wisconsin	5,706,871	54,143.47	105.4
United States	311,536,591	3,530,997.6	88.23

Data Source: US Census Bureau, American Community Survey. 2009-13. Source geography: Tract

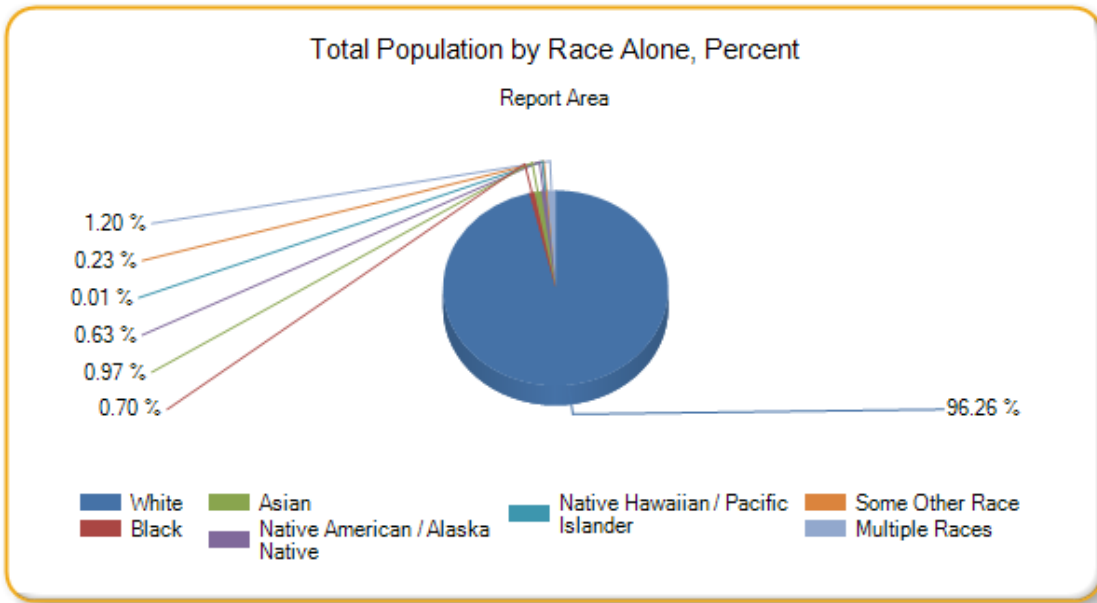


**Population, Density (Persons per Sq Mile) by Tract, ACS 2009-13**



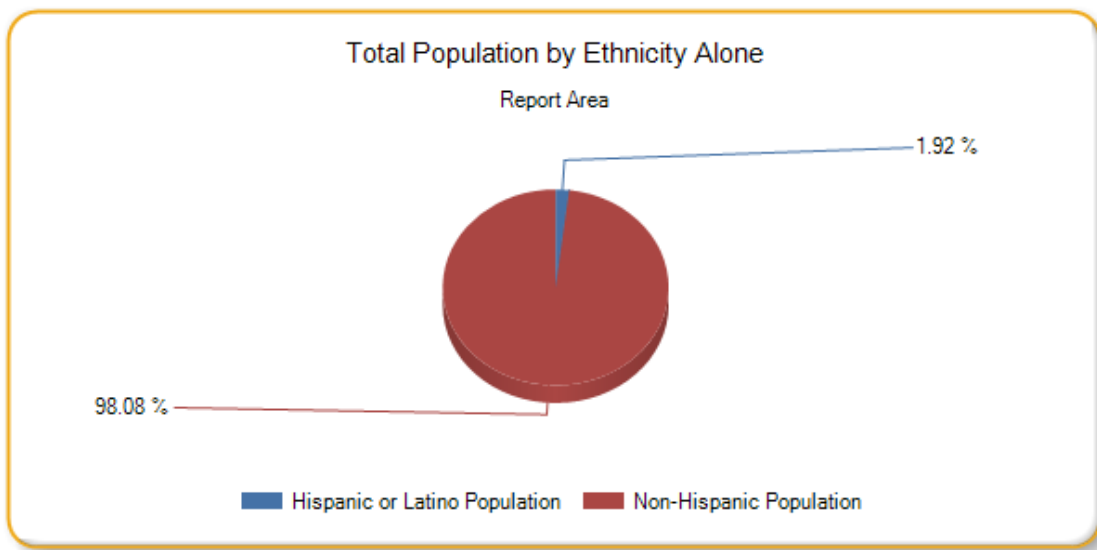
## **Total Population by Race Alone, Percent**

Report Area	White	Black	Asian	Native American / Alaska Native	Native Hawaiian / Pacific Islander	Some Other Race	Multiple Races
Report Area	96.25%	0.7%	0.97%	0.63%	0.01%	0.23%	1.2%
Pierce County, WI	96.59%	0.57%	1.06%	0.5%	0.04%	0.22%	1.02%
St. Croix County, WI	96.09%	0.77%	0.93%	0.7%	0%	0.23%	1.28%
Wisconsin	87.03%	6.24%	2.32%	0.86%	0.02%	1.49%	2.02%
United States	74.02%	12.57%	4.89%	0.82%	0.17%	4.73%	2.8%



### Total Population by Ethnicity Alone

Report Area	Total Population	Hispanic or Latino Population	Percent Population Hispanic or Latino	Non-Hispanic Population	Percent Population Non-Hispanic
Report Area	125,782	2,412	1.92%	123,370	98.08%
Pierce County, WI	40,870	667	1.63%	40,203	98.37%
St. Croix County, WI	84,912	1,745	2.06%	83,167	97.94%
Wisconsin	5,706,871	345,866	6.06%	5,361,005	93.94%
United States	311,536,608	51,786,592	16.62%	259,750,000	83.38%

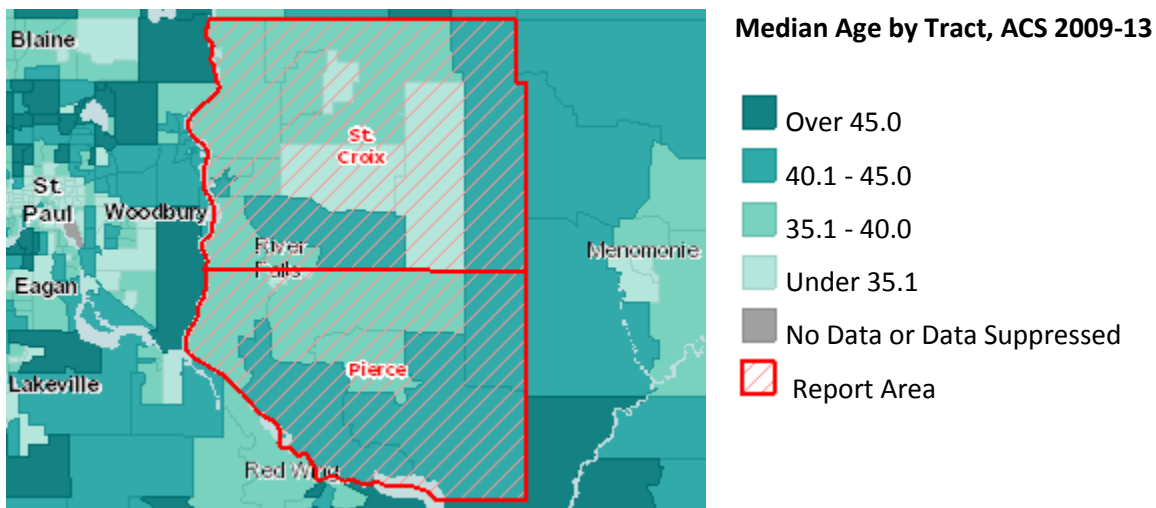


## Median Age

This indicator reports population median age based on the 5-year American Community Survey estimate.

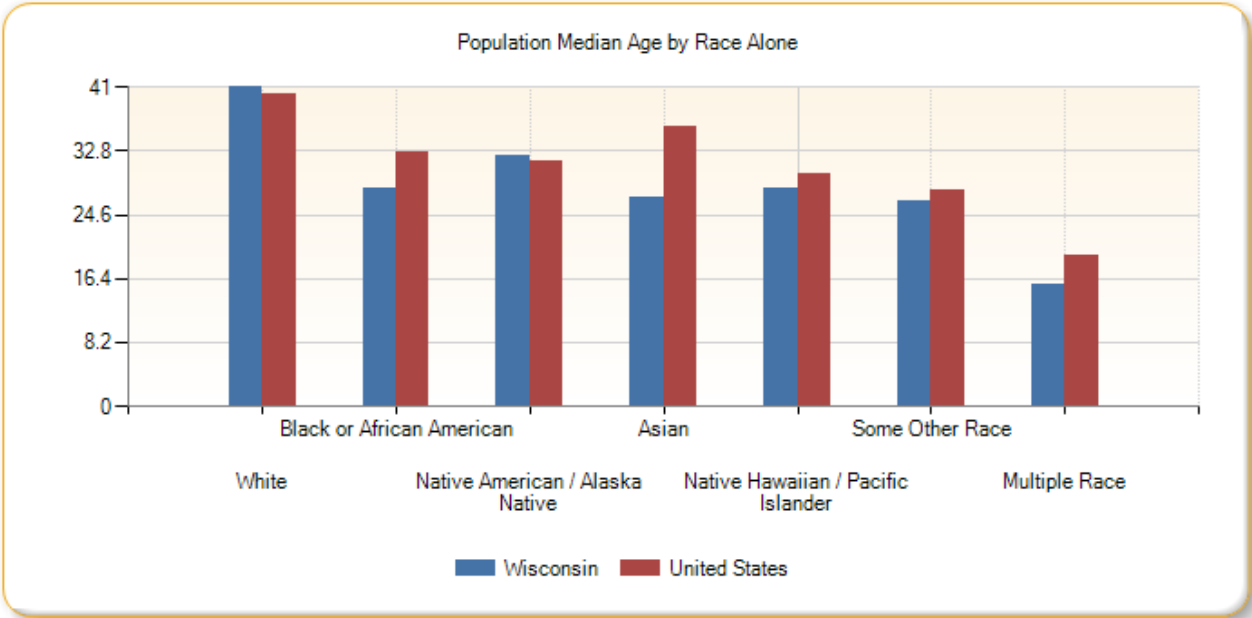
Report Area	Total Population	Median Age
Report Area	125,782	no data
Pierce County, WI	40,870	34.9
St. Croix County, WI	84,912	37.1
Wisconsin	5,706,871	38.7
United States	311,536,608	37.3

Data Source: US Census Bureau, American Community Survey. 2009-13. Source geography: Tract



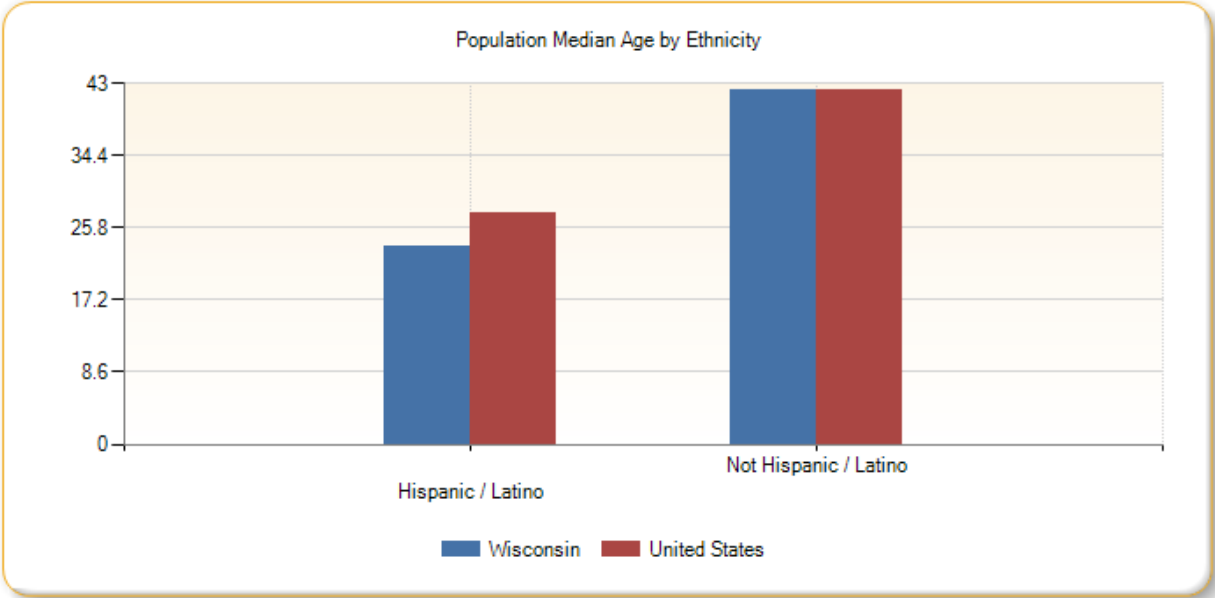
## **Population Median Age by Race Alone**

Report Area	White	Black or African American	Native American / Alaska Native	Asian	Native Hawaiian / Pacific Islander	Some Other Race	Multiple Race
Report Area	no data	no data	no data	no data	no data	no data	no data
Pierce County, WI	35.7	23.8	26.2	19.9	no data	32.5	13.7
St. Croix County, WI	37.6	27.5	23.3	34.2	no data	24.7	13.4
Wisconsin	41	28.1	32.2	26.9	28	26.3	15.7
United States	40	32.7	31.4	35.8	29.8	27.8	19.3



**Population Median Age by Ethnicity**

Report Area	Hispanic / Latino	Not Hispanic / Latino
Report Area	no data	no data
Pierce County, WI	21.8	36
St. Croix County, WI	22.5	37.9
Wisconsin	23.5	42.1
United States	27.6	42.3

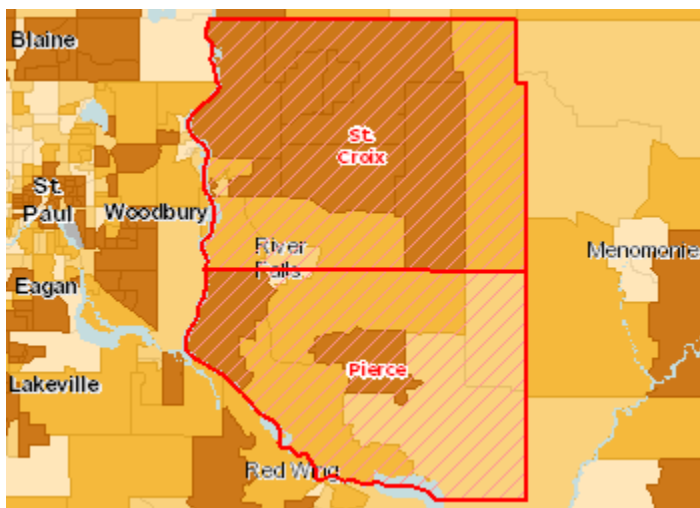


## Population Under Age 18

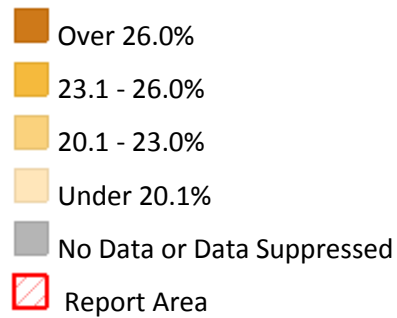
This indicator reports the percentage of population under age 18 in the designated geographic area. This indicator is relevant because it is important to understand the percentage of youth in the community, as this population has unique health needs which should be considered separately from other age groups.

Report Area	Total Population	Population Age 0-17	Percent Population Age 0-17
Report Area	125,782	31,809	25.29%
Pierce County, WI	40,870	8,992	22%
St. Croix County, WI	84,912	22,817	26.87%
Wisconsin	5,706,871	1,325,144	23.22%
United States	311,536,608	73,877,472	23.71%

Data Source: US Census Bureau, American Community Survey. 2009-13. Source geography: Tract



**Population Age 0-17, Percent by Tract, ACS 2009-13**



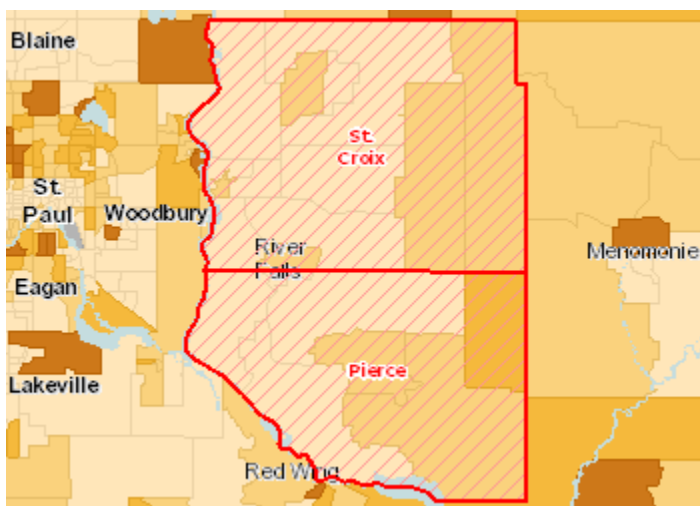


## Population Age 65+

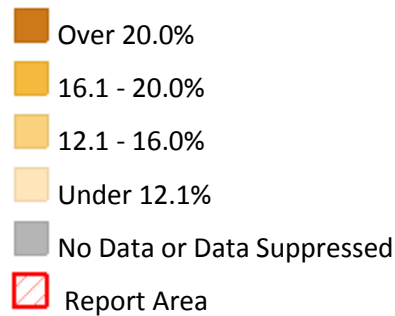
An estimated 10.77% percent of the population in the report area according to the U.S. Census Bureau American Community Survey 2009-13 5-year estimates. An estimated total of 13,544 older adults resided in the area during this time period. The number of persons age 65 or older is relevant because this population has unique health needs which should be considered separately from other age groups.

Report Area	Total Population	Population Age 65+	Percent Population Age 65+
Report Area	125,782	13,544	10.77%
Pierce County, WI	40,870	4,523	11.07%
St. Croix County, WI	84,912	9,021	10.62%
Wisconsin	5,706,871	802,253	14.06%
United States	311,536,608	41,851,040	13.43%

Data Source: US Census Bureau, American Community Survey, 2009-13. Source geography: Tract



**Population Age 65+, Percent by Tract, ACS 2009-13**

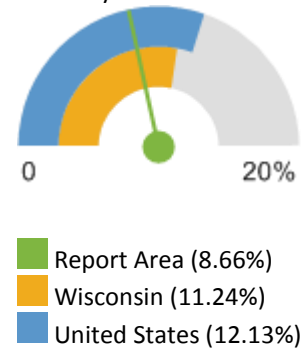


## Population with Any Disability

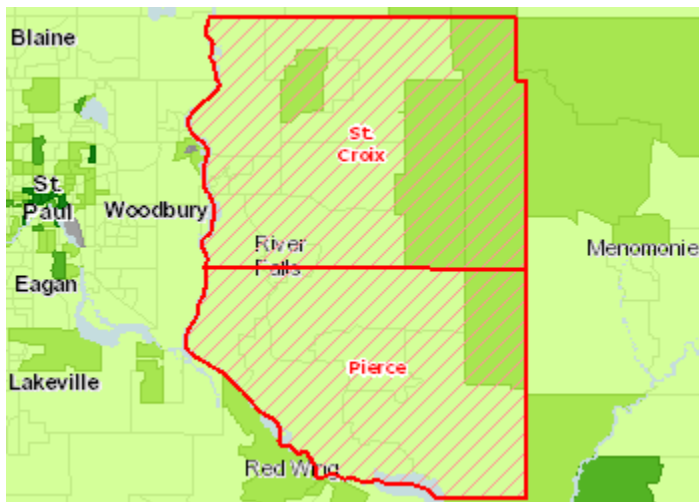
This indicator reports the percentage of the total civilian non-institutionalized population with a disability. This indicator is relevant because disabled individuals comprise a vulnerable population that requires targeted services and outreach by providers.

Report Area	Total Population (For Whom Disability Status Is Determined)	Total Population with a Disability	Percent Population with a Disability
Report Area	124,703	10,798	8.66%
Pierce County, WI	40,552	3,548	8.75%
St. Croix County, WI	84,151	7,250	8.62%
Wisconsin	5,630,579	632,682	11.24%
United States	306,448,480	37,168,876	12.13%

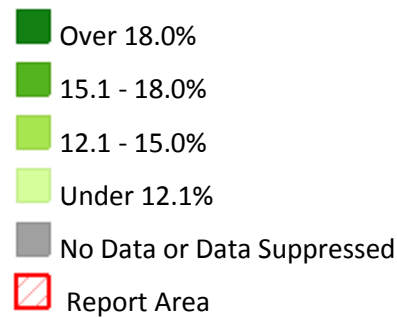
Percent Population with a Disability



Data Source: US Census Bureau, American Community Survey, 2009-13. Source geography: Tract



Disabled Population, Percent by Tract, ACS 2009-13

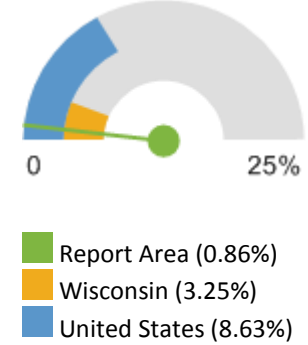


## Population with Limited English Proficiency

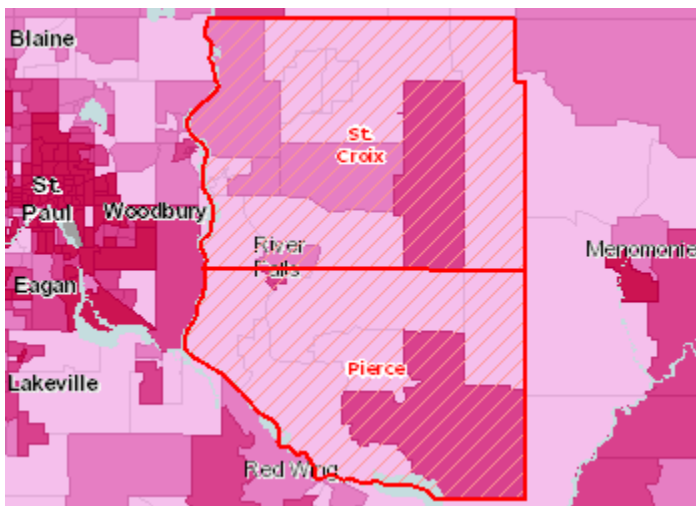
This indicator reports the percentage of the population aged 5 and older who speak a language other than English at home and speak English less than "very well." This indicator is relevant because an inability to speak English well creates barriers to healthcare access, provider communications, and health literacy/education.

Report Area	Total Population	Population Age 5+	Population Age 5+ with Limited English Proficiency	Percent Population Age 5+ with Limited English Proficiency
Report Area	117,573	117,573	1,017	0.86%
Pierce County, WI	38,572	38,572	310	0.8%
St. Croix County, WI	79,001	79,001	707	0.89%
Wisconsin	5,355,576	5,355,576	174,144	3.25%
United States	291,484,480	291,484,488	25,148,900	8.63%

Percent Population Age 5+ with Limited English Proficiency



Data Source: US Census Bureau, American Community Survey. 2009-13. Source geography: Tract



Population with Limited English Proficiency, Percent by Tract, ACS 2009-13

## Social and Economic Factors

Economic and social insecurity often are associated with poor health. Poverty, unemployment, and lack of educational achievement affect access to care and a community's ability to engage in healthy behaviors. Without a network of support and a safe community, families cannot thrive. Ensuring access to social and economic resources provides a foundation for a healthy community.

### Data Indicators

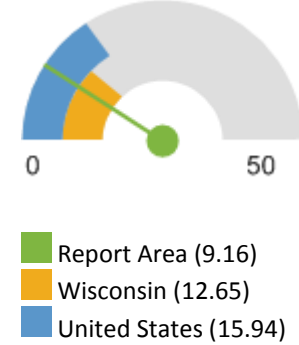
- Food Insecurity Rate
- High School Graduation Rate
- Income- Per Capita Income
- Lack of Social or Emotional Support
- Poverty- Children Below 100% FPL
- Poverty- Population Below 100% FPL
- Unemployment Rate
- Violent Crime

## Food Insecurity Rate

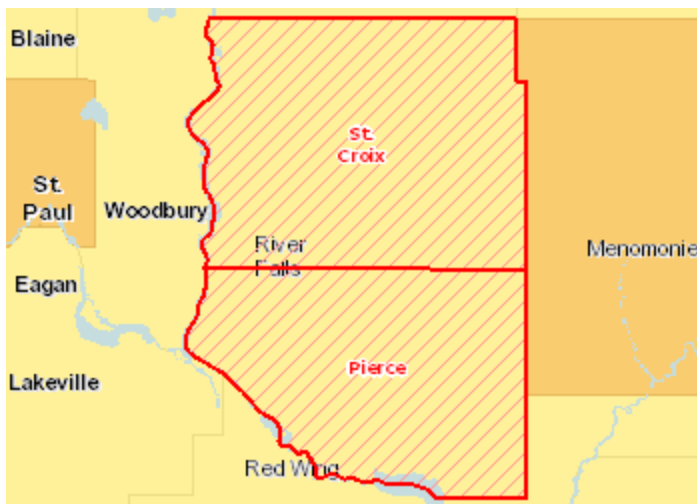
This indicator reports the estimated percentage of the population that experienced food insecurity at some point during the report year. Food insecurity is the household-level economic and social condition of limited or uncertain access to adequate food.

Report Area	Total Population	Food Insecure Population, Total	Food Insecure Population, Percent
Report Area	125,205	11,470	9.16%
Pierce County, WI	40,842	4,160	10.19%
St. Croix County, WI	84,363	7,310	8.66%
Wisconsin	5,726,398	724,370	12.65%
United States	313,281,717	49,943,940	15.94%

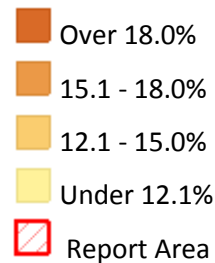
Percentage of the Population with Food Insecurity



Data Source: Feeding America. 2012. Source geography: County



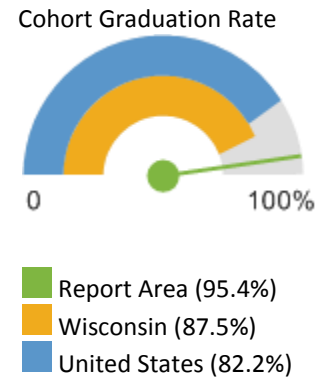
Food Insecure Population, Percent by County, Feeding America 2012



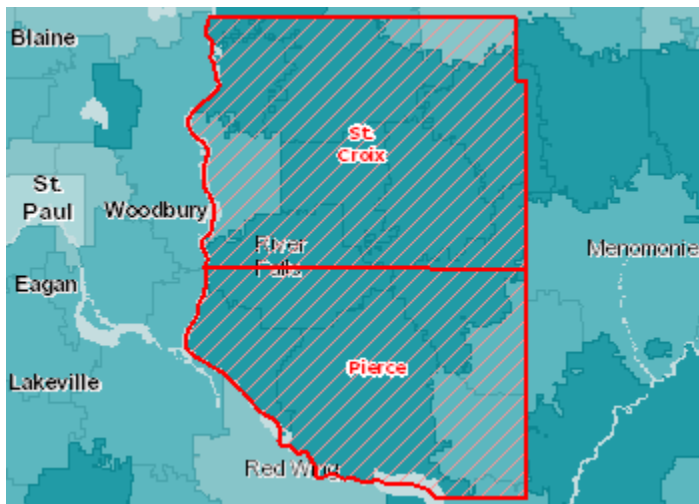
## High School Graduation Rate (EdFacts)

Within the report area 95.4% of students are receiving their high school diploma within four years. This indicator is relevant because research suggests education is one the strongest predictors of health ([Freudenberg & Ruglis, 2007](#)).

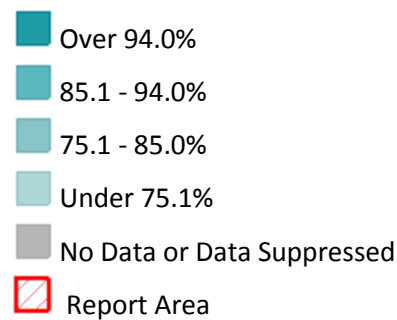
Report Area	Total Student Cohort	Estimated Number of Diplomas Issued	Cohort Graduation Rate
Report Area	1,588	1,515	95.4
Pierce County, WI	520	499	95.92
St. Croix County, WI	1,068	1,016	95.09
Wisconsin	68,383	59,805	87.5
United States	3,351,452	2,754,352	82.2



Data Source: US Department of Education, ED Facts. Accessed via DATA.GOV. Additional data analysis by CARES. 2011-12. Source geography: School District



### On-Time Graduation, Rate by School District (Secondary), ED Facts 2011-12



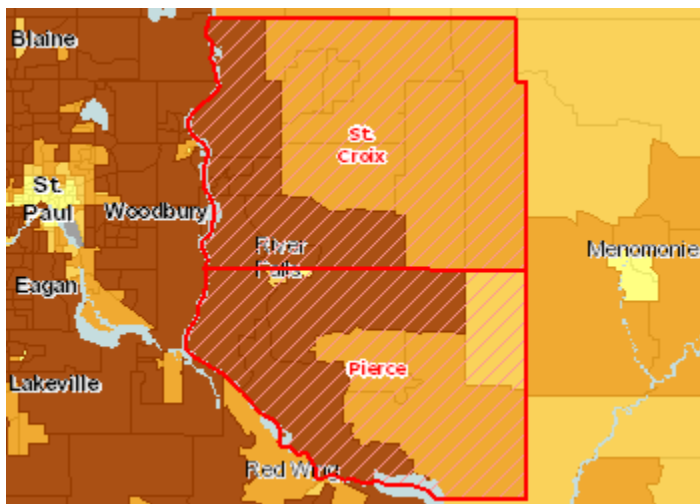
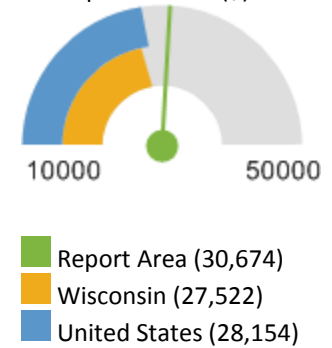
## Income - Per Capita Income

The per capita income for the report area is \$30,674. This includes all reported income from wages and salaries as well as income from self-employment, interest or dividends, public assistance, retirement, and other sources. The per capita income in this report area is the average (mean) income computed for every man, woman, and child in the specified area.

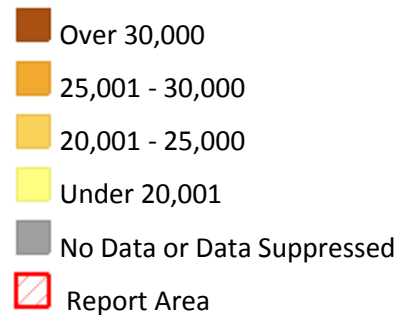
Report Area	Total Population	Total Income (\$)	Per Capita Income (\$)
Report Area	125,782	\$3,858,244,096	\$30,674
Pierce County, WI	40,870	\$1,122,372,608	\$27,462
St. Croix County, WI	84,912	\$2,735,871,488	\$32,220
Wisconsin	5,706,871	\$157,067,558,912	\$27,522
United States	311,536,608	\$8,771,308,355,584	\$28,154

Data Source: US Census Bureau, American Community Survey. 2009-13. Source geography: Tract

Per Capita Income (\$)



Per Capita Income by Tract, ACS 2009-13

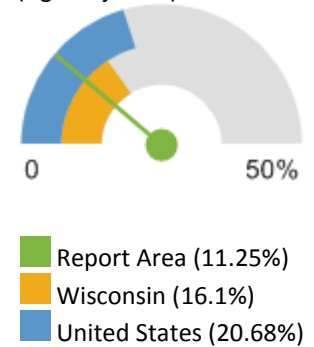


## Lack of Social or Emotional Support

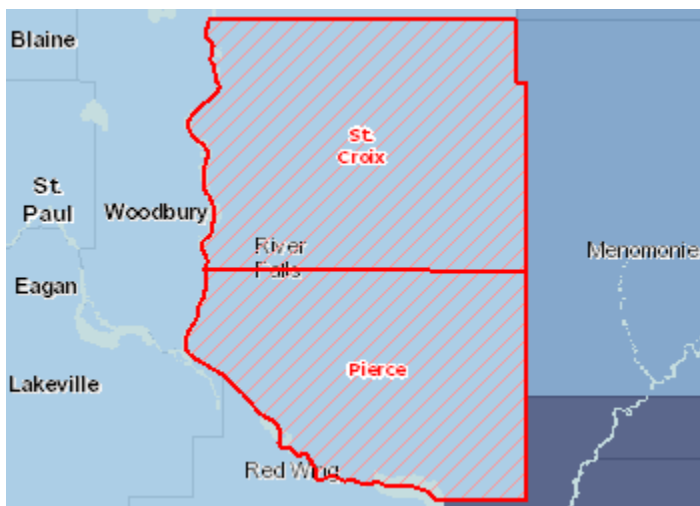
This indicator reports the percentage of adults aged 18 and older who self-report that they receive insufficient social and emotional support all or most of the time. This indicator is relevant because social and emotional support is critical for navigating the challenges of daily life as well as for good mental health. Social and emotional support is also linked to educational achievement and economic stability.

Report Area	Total Population Age 18+	Estimated Population Without Adequate Social / Emotional Support	Crude Percentage	Age-Adjusted Percentage
Report Area	92,621	10,272	11.09%	11.25%
Pierce County, WI	31,750	4,794	15.1%	14.8%
St. Croix County, WI	60,871	5,478	9%	9.4%
Wisconsin	4,326,412	696,552	16.1%	16.1%
United States	232,556,016	48,104,656	20.69%	20.68%

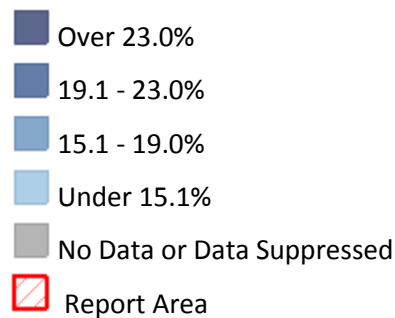
Percent Adults Without Adequate Social / Emotional Support (Age-Adjusted)



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health and Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



Inadequate Social/Emotional Support, Percent of Adults Age 18+ by County, BRFSS 2006-12



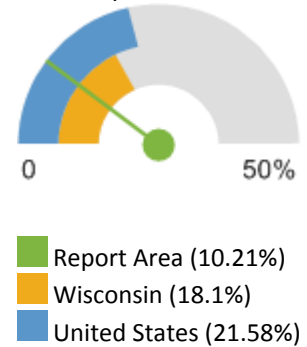


## Poverty - Children Below 100% FPL

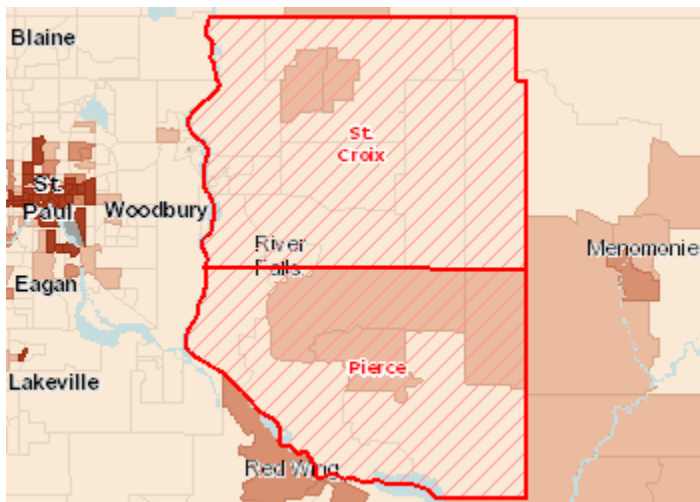
In the report area 10.21% or 3,219 children aged 0-17 are living in households with income below the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

Report Area	Total Population	Population Under Age 18	Population Under Age 18 in Poverty	Percent Population Under Age 18 in Poverty
Report Area	122,242	31,533	3,219	10.21%
Pierce County, WI	38,209	8,919	1,061	11.9%
St. Croix County, WI	84,033	22,614	2,158	9.54%
Wisconsin	5,554,566	1,300,691	235,375	18.1%
United States	303,692,064	72,748,616	15,701,799	21.58%

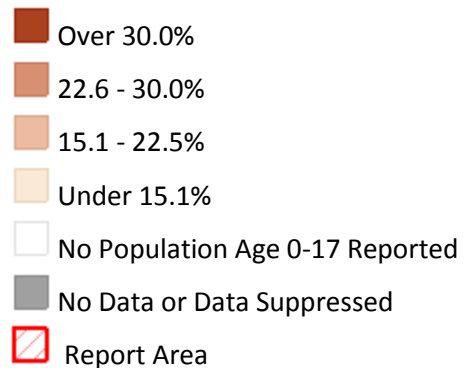
Percent Population Under Age 18 in Poverty



Data Source: US Census Bureau, American Community Survey, 2009-13. Source geography: Tract



Population Below the Poverty Level, Children (Age 0-17), Percent by Tract, ACS 2009-13



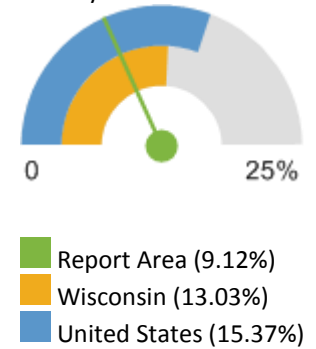
## Poverty - Population Below 100% FPL

Poverty is considered a *key driver* of health status.

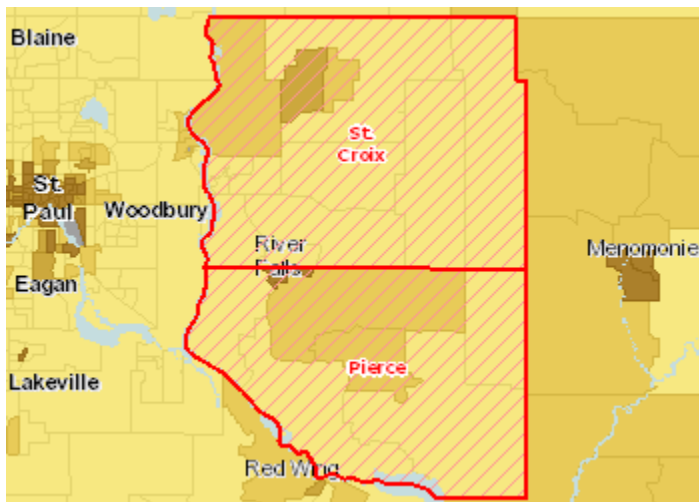
Within the report area 9.12% or 11,143 individuals are living in households with income below the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

Report Area	Total Population	Population in Poverty	Percent Population in Poverty
Report Area	122,242	11,143	9.12%
Pierce County, WI	38,209	4,738	12.4%
St. Croix County, WI	84,033	6,405	7.62%
Wisconsin	5,554,566	723,730	13.03%
United States	303,692,064	46,663,432	15.37%

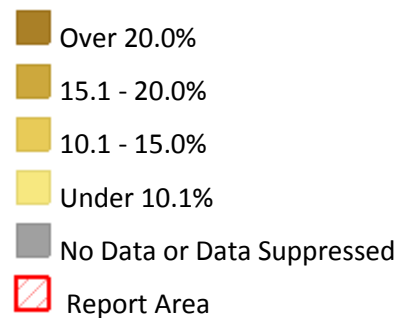
Percent Population in Poverty



Data Source: US Census Bureau, American Community Survey. 2009-13. Source geography: Tract



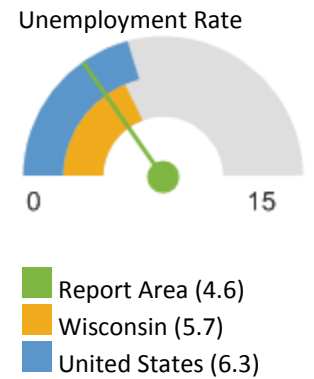
Population Below the Poverty Level, Percent by Tract, ACS 2009-13



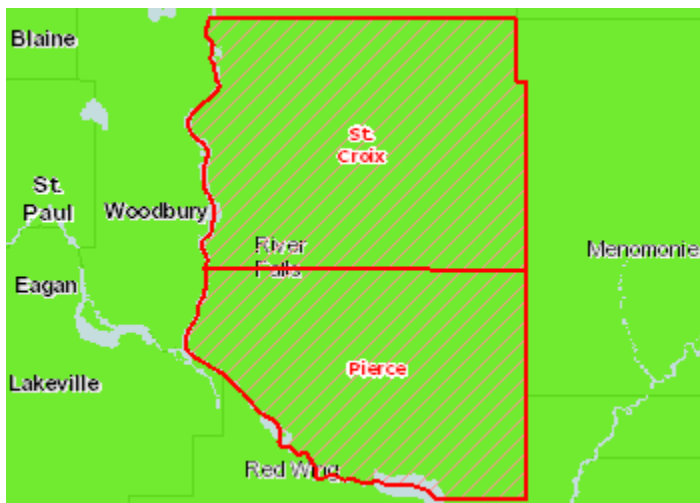
## Unemployment Rate

Total unemployment in the report area for the current month was 3,381, or 4.6% of the civilian non-institutionalized population age 16 and older (non-seasonally adjusted). 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.

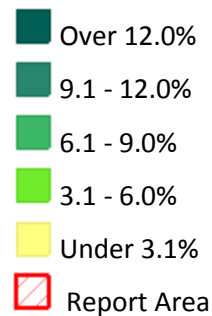
Report Area	Labor Force	Number Employed	Number Unemployed	Unemployment Rate
Report Area	73,799	70,418	3,381	4.6
Pierce County, WI	24,707	23,551	1,156	4.7
St. Croix County, WI	49,092	46,867	2,225	4.5
Wisconsin	3,132,009	2,954,096	177,913	5.7
United States	158,429,642	148,371,360	10,058,282	6.3



Data Source: US Department of Labor, Bureau of Labor Statistics. 2015 - June. Source geography: County



Unemployment, Rate by County, BLS 2015 - June



## Violent Crime

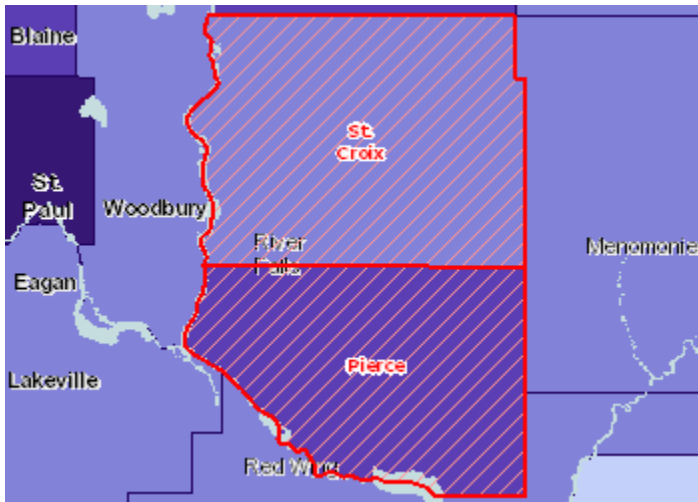
This indicator reports the rate of violent crime offenses reported by law enforcement per 100,000 residents. Violent crime includes homicide, rape, robbery, and aggravated assault. This indicator is relevant because it assesses community safety.

Report Area	Total Population	Violent Crimes	Violent Crime Rate (Per 100,000 Pop.)
Report Area	124,907	118	94.4
Pierce County, WI	41,061	68	165.61
St. Croix County, WI	83,846	50	59.63
Wisconsin	5,647,436	14,813	262.2
United States	306,859,354	1,213,859	395.5

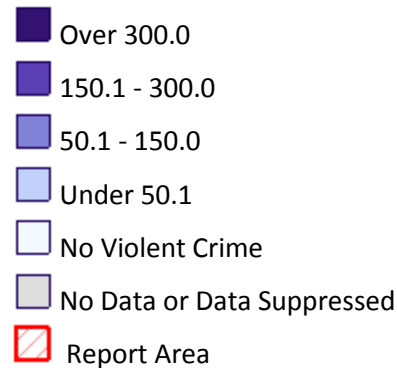
Violent Crime Rate (Per 100,000 Pop.)



Data Source: Federal Bureau of Investigation, FBI Uniform Crime Reports. Additional analysis by the National Archive of Criminal Justice Data. Accessed via the Inter-university Consortium for Political and Social Research. 2010-12. Source geography: County



**Violent Crimes, All, Rate (Per 100,000 Pop.) by County, FBI UCR 2010-12**



## Physical Environment

A community's health also is affected by the physical environment. A safe, clean environment that provides access to healthy food and recreational opportunities is important to maintaining and improving community health.

### Data Indicators

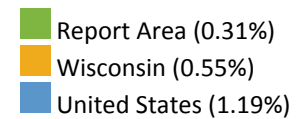
- Air Quality- Particulate Matter 2.5
- Recreation and Fitness Facility Access
- Low Income Population with Low Food Access

## Air Quality - Particulate Matter 2.5

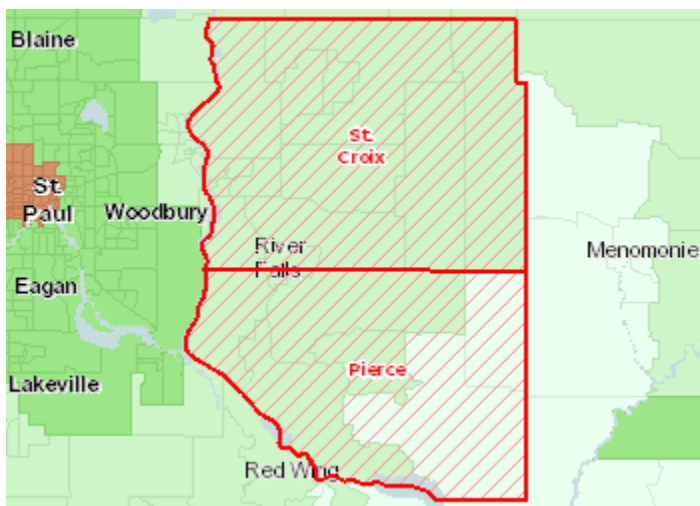
This indicator reports the percentage of days with particulate matter 2.5 levels above the National Ambient Air Quality Standard (35 micrograms per cubic meter) per year, calculated using data collected by monitoring stations and modeled to include counties where no monitoring stations occur. This indicator is relevant because poor air quality contributes to respiratory issues and overall poor health.

Report Area	Total Population	Average Daily Ambient Particulate Matter 2.5	Number of Days Exceeding Emissions Standards	Percentage of Days Exceeding Standards, Crude Average	Percentage of Days Exceeding Standards, Pop. Adjusted Average
Report Area	125,364	9.35	1.09	0.30	0.31%
Pierce County, WI	41,019	9.35	0.88	0.24	0.28%
St. Croix County, WI	84,345	9.34	1.21	0.33	0.33%
Wisconsin	5,686,986	10.19	2.03	0.56	0.55%
United States	312,471,327	10.65	4.17	1.14	1.19%

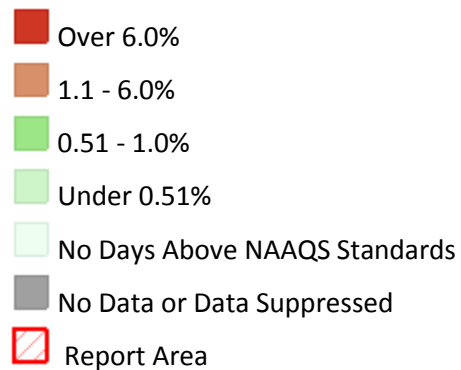
Percentage of Days Exceeding Standards, Pop. Adjusted Average



Data Source: Centers for Disease Control and Prevention, National Environmental Public Health Tracking Network. 2008. Source geography: Tract



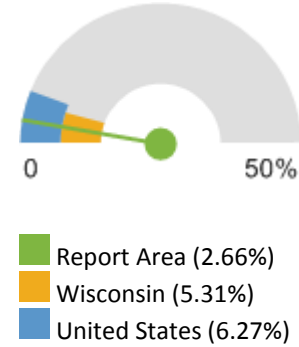
**Fine Particulate Matter Levels (PM 2.5), Percent Days Above NAAQ Standards by Tract, NEPHTN 2008**



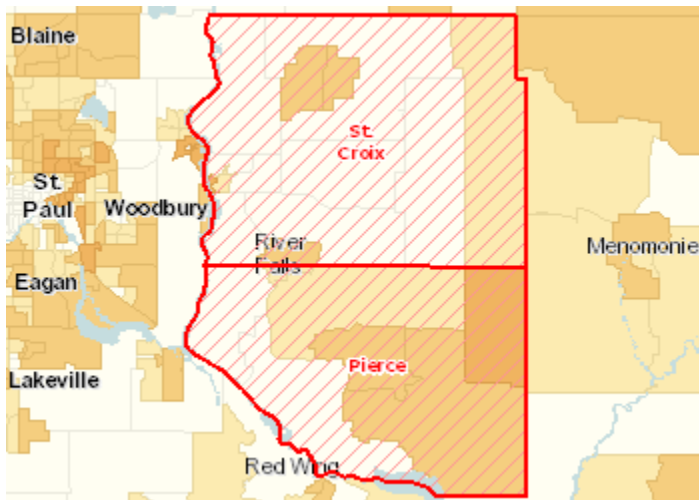
## Low Income Population with Low Food Access

Report Area	Total Population	Low Income Population with Low Food Access	Percent Low Income Population with Low Food Access
Report Area	125,364	3,332	2.66%
Pierce County, WI	41,019	1,545	3.77%
St. Croix County, WI	84,345	1,787	2.12%
Wisconsin	5,686,986	301,930	5.31%
United States	308,745,538	19,347,047	6.27%

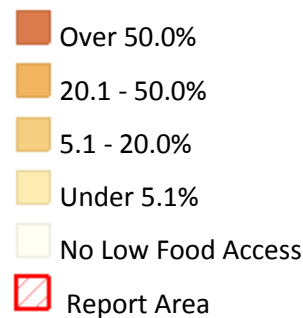
Percent Low Income Population with Low Food Access



Data Source: US Department of Agriculture, Economic Research Service, USDA - Food Access Research Atlas. 2010. Source geography: Tract



Population with Limited Food Access, Low Income, Percent by Tract, FARA 2010



## Recreation and Fitness Facility Access

This indicator reports the number per 100,000 population of recreation and fitness facilities as defined by North American Industry Classification System (NAICS) Code 713940. This indicator is relevant because access to recreation and fitness facilities encourages physical activity and other healthy behaviors.

Report Area	Total Population	Number of Establishments	Establishments, Rate per 100,000 Population
Report Area	125,364	19	15.16
Pierce County, WI	41,019	8	19.50
St. Croix County, WI	84,345	11	13.04
Wisconsin	5,686,986	645	11.34
United States	312,732,537	30,393	9.72

Recreation and Fitness Facilities, Rate (Per 100,000 Population)



- Report Area (15.16)
- Wisconsin (11.34)
- United States (9.72)

Data Source: US Census Bureau, County Business Patterns. Additional data analysis by CARES. 2013. Source geography: County



Recreation and Fitness Facilities, Rate (Per 100,000 Pop.) by County, CBP 2013

- Over 12.0
- 8.1 - 12.0
- 4.1 - 8.0
- Under 4.1
- No Fitness and Recreation Centers
- Report Area



## Access to Care and Clinical Care

A lack of access to care presents barriers to good health. The supply and accessibility of facilities and physicians, the rate of uninsurance, financial hardship, transportation barriers, cultural competency, and coverage limitations affect access.

Rates of morbidity, mortality, and emergency hospitalizations can be reduced if community residents access services such as health screenings, routine tests, and vaccinations. Prevention indicators can call attention to a lack of access or knowledge regarding one or more health issues and can inform program interventions.

### Data Indicators

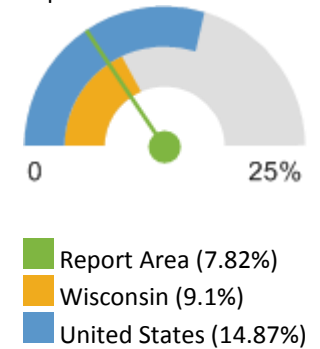
- Insurance- Uninsured Population
- Access to Primary Care
- Access to Dentists
- Access to Mental Health Care
- Cancer Screening - Mammogram
- Cancer Screening - Sigmoidoscopy or Colonoscopy
- Diabetes Management - Hemoglobin A1c Test
- Dental Care Utilization
- Immunization Rates- Childhood Series
- Lack of a Consistent Source of Primary Care
- Prenatal Care
- Population Living in a Health Professional Shortage Area
- Potentially Preventable Readmissions Rate (30 day), Allina Health Data

## Insurance - Uninsured Population

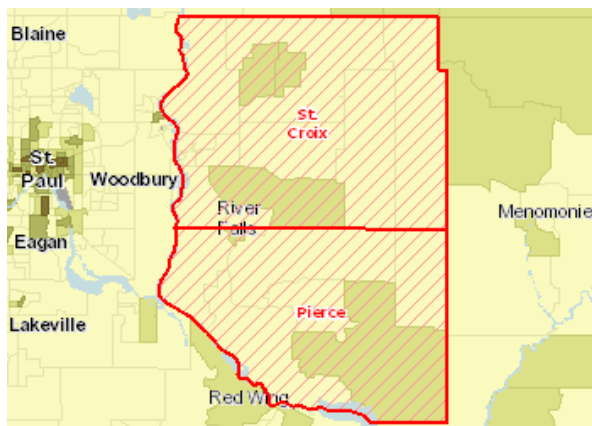
The lack of health insurance is considered a *key driver* of health status. This indicator reports the percentage of the total civilian non-institutionalized population without health insurance coverage. This indicator is relevant because lack of insurance is a primary barrier to healthcare access including regular primary care, specialty care, and other health services that contributes to poor health status.

Report Area	Total Population (For Whom Insurance Status is Determined)	Total Uninsured Population	Percent Uninsured Population
Report Area	124,703	9,755	7.82%
Pierce County, WI	40,552	3,069	7.57%
St. Croix County, WI	84,151	6,686	7.95%
Wisconsin	5,630,579	512,357	9.1%
United States	306,448,480	45,569,668	14.87%

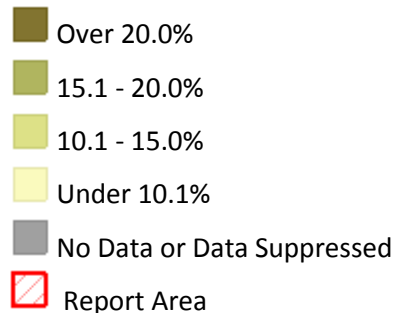
Percent Uninsured Population



Data Source: US Census Bureau, American Community Survey. 2009-13. Source geography: Tract

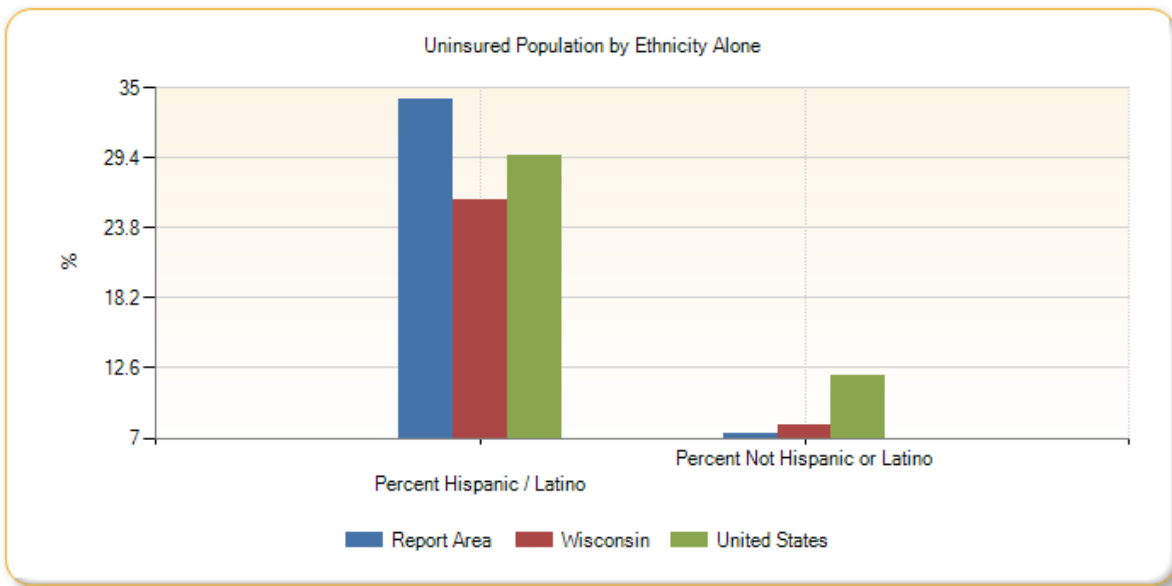


Uninsured Population, Percent by Tract, ACS 2009-13



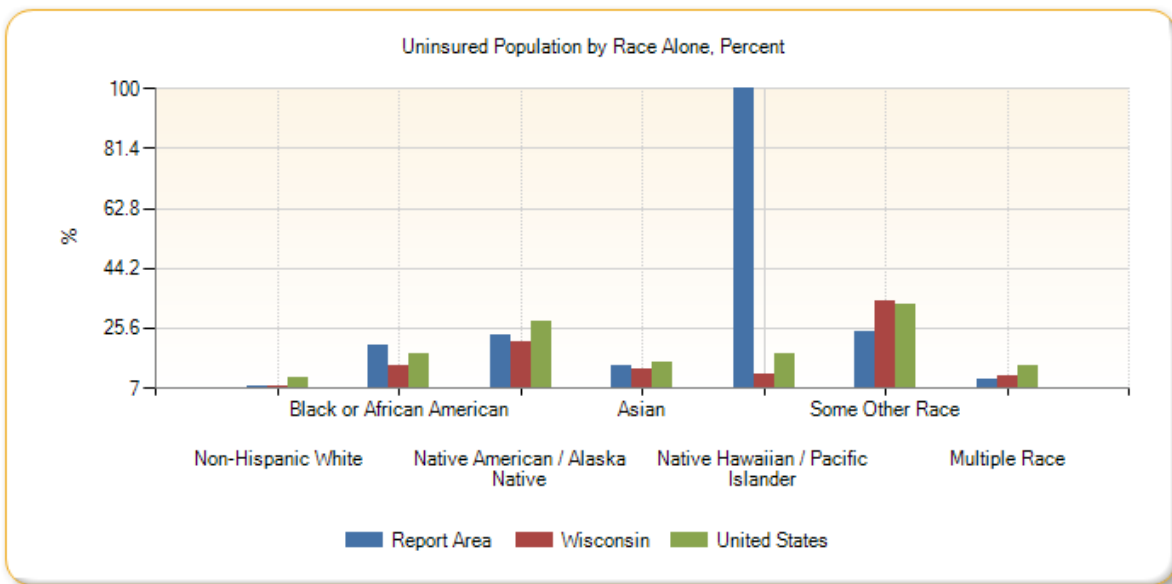
### Uninsured Population by Ethnicity Alone

Report Area	Total Hispanic / Latino	Total Not Hispanic / Latino	Percent Hispanic / Latino	Percent Not Hispanic or Latino
Report Area	809	8,946	34.05%	7.31%
Pierce County, WI	147	2,922	22.27%	7.32%
St. Croix County, WI	662	6,024	38.58%	7.31%
Wisconsin	88,945	423,412	26.07%	8%
United States	15,127,729	30,441,940	29.62%	11.92%



**Uninsured Population by Race Alone, Percent**

Report Area	Non-Hispanic White	Black or African American	Native American / Alaska Native	Asian	Native Hawaiian / Pacific Islander	Some Other Race	Multiple Race
Report Area	7.1%	20.36%	23.74%	13.99%	100%	24.56%	9.99%
Pierce County, WI	6.96%	32.47%	8.82%	17.74%	100%	16.85%	14.36%
St. Croix County, WI	7.16%	15.69%	28.89%	11.93%	no data	28.06%	8.34%
Wisconsin	7.25%	14.05%	21.27%	13.13%	11.57%	33.85%	10.95%
United States	10.42%	17.52%	27.92%	14.95%	17.6%	33.22%	14.07%



## Access to Primary Care

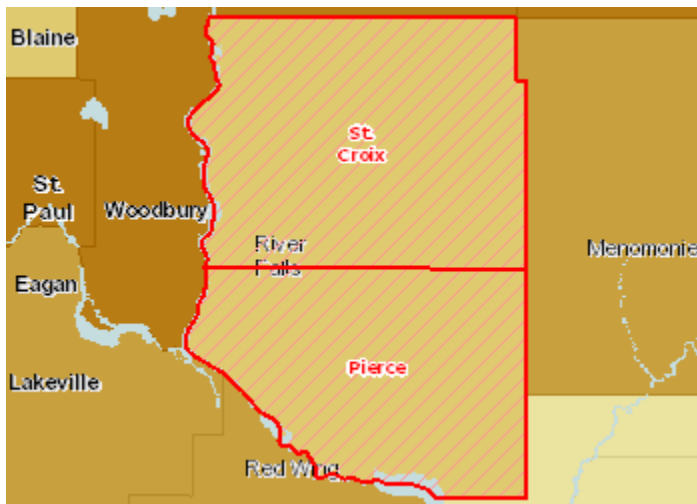
This indicator reports the number of primary care physicians per 100,000 population. Doctors classified as "primary care physicians" by the AMA include: General Family Medicine MDs and DOs, General Practice MDs and DOs, General Internal Medicine MDs and General Pediatrics MDs. Physicians age 75 and over and physicians practicing sub-specialties within the listed specialties are excluded. This indicator is relevant because a shortage of health professionals contributes to access and health status issues.

Report Area	Total Population, 2012	Primary Care Physicians, 2012	Primary Care Physicians, Rate per 100,000 Pop.
Report Area	126,056	62	49.18
Pierce County, WI	40,814	19	46.55
St. Croix County, WI	85,242	43	50.44
Wisconsin	5,726,398	4,715	82.34
United States	313,914,040	233,862	74.5

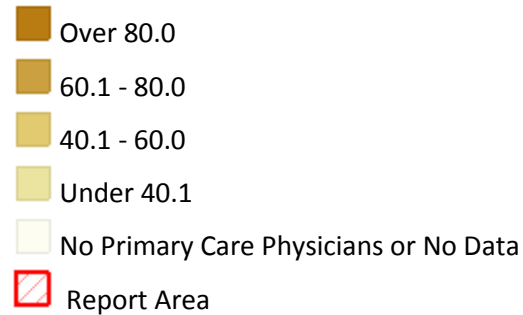
Primary Care Physicians, Rate per 100,000 Pop.



Data Source: US Department of Health and Human Services, Health Resources and Services Administration, Area Health Resource File. 2012. Source geography: County



Access to Primary Care Physicians, Rate per 100,000 Pop. by County, AHRF 2012

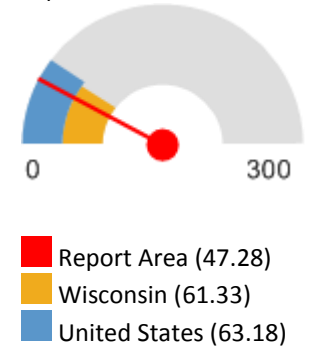


## Access to Dentists

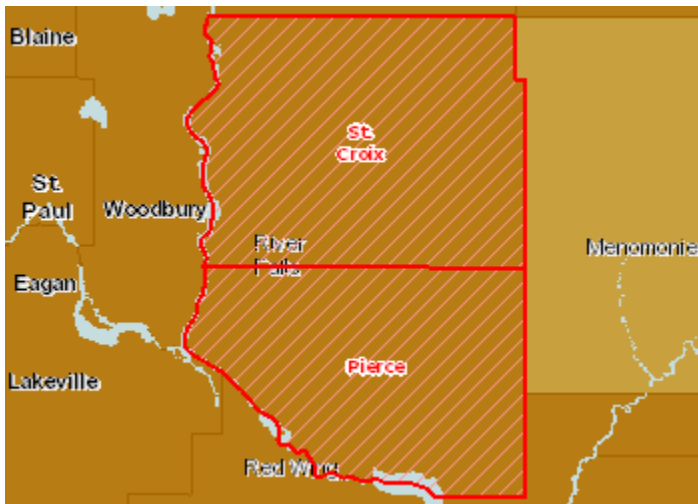
This indicator reports the number of dentists per 100,000 population. This indicator includes all dentists - qualified as having a doctorate in dental surgery (D.D.S.) or dental medicine (D.M.D.), who are licensed by the state to practice dentistry and who are practicing within the scope of that license.

Report Area	Total Population, 2013	Dentists, 2013	Dentists, Rate per 100,000 Pop.
Report Area	126,906	60	47.28
Pierce County, WI	40,976	19	46.37
St. Croix County, WI	85,930	41	47.71
Wisconsin	5,742,713	3,522	61.33
United States	316,128,839	199,743	63.18

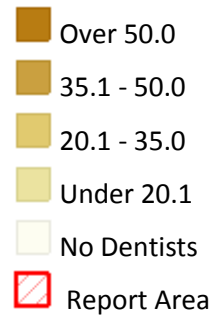
Dentists, Rate per 100,000 Pop.



Data Source: US Department of Health and Human Services, Health Resources and Services Administration, Area Health Resource File. 2013. Source geography: County



**Access to Dentists, Rate per 100,000 Pop. by County, AHRF 2013**



## **Access to Mental Health Care**

This indicator is the ratio of the county population to the number of mental health providers including psychiatrists, psychologists, licensed clinical social workers, counselors, marriage and family therapists and advanced practice nurses specializing in mental health care. In 2015, marriage and family therapists and mental health providers that treat alcohol and other drug abuse were added to this measure.

Report Area	Mental Health Provider Ratio
Pierce County, WI	2,157:1
St. Croix County, WI	1,011:1
Wisconsin	623:1

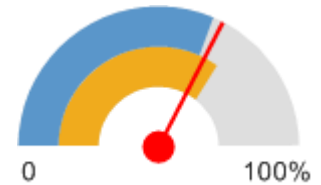
Data Source: County Health Rankings 2015, data from 2014 <http://www.countyhealthrankings.org/>, accessed 9/11/15. Original source: CMS, National Provider Identification Registry.

## Cancer Screening - Mammogram

This indicator reports the percentage of female Medicare enrollees, age 67-69, who have received one or more mammograms in the past two years. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

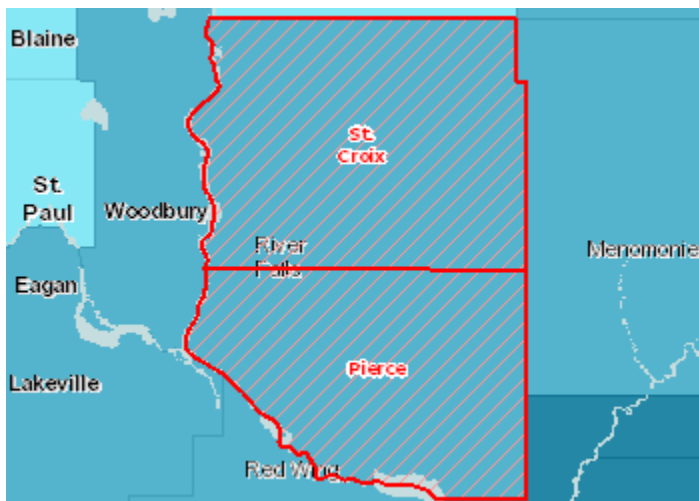
Report Area	Total Medicare Enrollees	Female Medicare Enrollees Age 67-69	Female Medicare Enrollees with Mammogram in Past 2 Years	Percent Female Medicare Enrollees with Mammogram in Past 2 Year
Report Area	8,074	669	437	65.32%
Pierce County, WI	3,290	274	178	65.33%
St. Croix County, WI	4,784	395	258	65.32%
Wisconsin	483,121	38,158	26,801	70.24%
United States	53,131,712	4,402,782	2,772,990	62.98%

Percent Female Medicare Enrollees with Mammogram in Past 2 Year



■ Report Area (65.32%)  
■ Wisconsin (70.24%)  
■ United States (62.98%)

Data Source: Dartmouth College Institute for Health Policy and Clinical Practice, Dartmouth Atlas of Health Care. 2012. Source geography: County



**Mammogram (Past 2 Years), Percent of Female Medicare Enrollees, Age 67-69 by County, DA 2012**

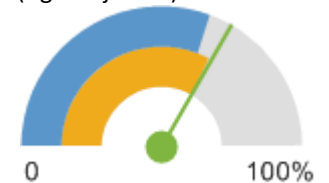
■ Over 72.0%  
■ 64.1 - 72.0%  
■ 56.1 - 64.0%  
■ Under 56.1%  
■ No Data or Data Suppressed  
 Report Area

## Cancer Screening - Sigmoidoscopy or Colonoscopy

This indicator reports the percentage of adults 50 and older who self-report that they have ever had a sigmoidoscopy or colonoscopy. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

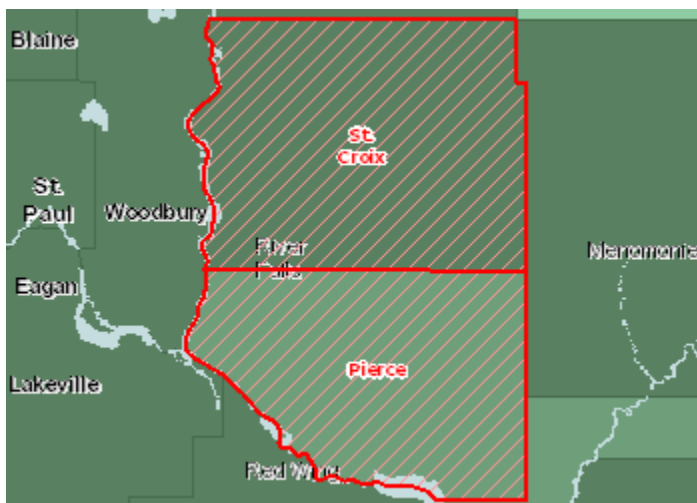
Report Area	Total Population Age 50+	Estimated Population Ever Screened for Colon Cancer	Crude Percentage	Age-Adjusted Percentage
Report Area	26,110	18,208	69.74%	66.5%
Pierce County, WI	8,707	5,747	66%	60.3%
St. Croix County, WI	17,403	12,461	71.6%	69.6%
Wisconsin	1,446,287	1,002,277	69.3%	65.9%
United States	75,116,406	48,549,269	64.63%	61.34%

Percent Adults Screened for Colon Cancer (Age-Adjusted)



■ Report Area (66.5%)  
■ Wisconsin (65.9%)  
■ United States (61.34%)

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health and Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



Colon Cancer Screening (Ever), Percent of Adults Age 50+ by County, BRFSS 2006-12

■ Over 62.0%  
■ 55.1 - 62.0%  
■ 48.1 - 55.0%  
■ Under 48.1%  
■ No Data or Data Suppressed  
 Report Area

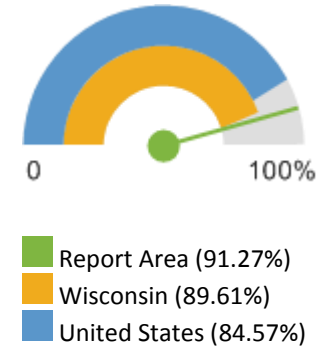


## Diabetes Management - Hemoglobin A1c Test

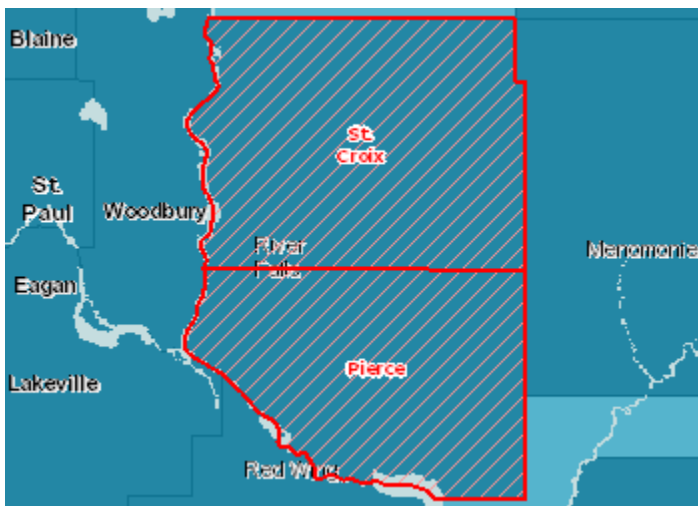
This indicator reports the percentage of diabetic Medicare patients who have had a hemoglobin A1c (hA1c) test, a blood test which measures blood sugar levels, administered by a health care professional in the past year. In the report area, 710 Medicare enrollees with diabetes have had an annual exam out of 779 Medicare enrollees in the report area with diabetes, or 91.27%. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

Report Area	Total Medicare Enrollees	Medicare Enrollees with Diabetes	Medicare Enrollees with Diabetes with Annual Exam	Percent Medicare Enrollees with Diabetes with Annual Exam
Report Area	8,074	779	710	91.27%
Pierce County, WI	3,290	306	282	92.16%
St. Croix County, WI	4,784	473	428	90.7%
Wisconsin	483,121	51,424	46,079	89.61%
United States	53,131,712	6,517,150	5,511,632	84.57%

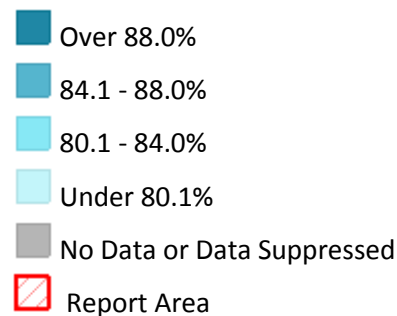
Percent Medicare Enrollees with Diabetes with Annual Exam



Data Source: Dartmouth College Institute for Health Policy and Clinical Practice, Dartmouth Atlas of Health Care. 2012. Source geography: County



Patients with Annual HA1C Test (Diabetes), Percent of Medicare Enrollees with Diabetes by County, DA 2012

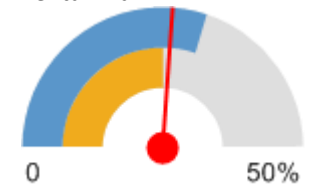


## Dental Care Utilization

This indicator reports the percentage of adults aged 18 and older who self-report that they have not visited a dentist, dental hygienist or dental clinic within the past year. This indicator is relevant because engaging in preventive behaviors decreases the likelihood of developing future health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

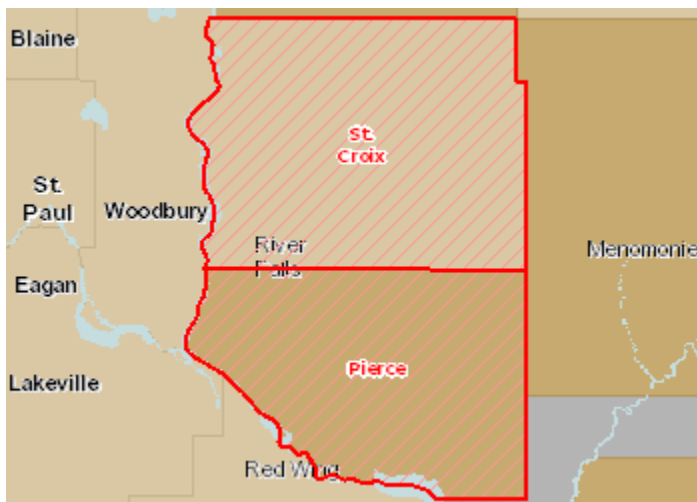
Report Area	Total Population (Age 18+)	Total Adults Without Recent Dental Exam	Percent Adults with No Dental Exam
Report Area	91,439	23,817	26.05%
Pierce County, WI	31,423	9,605	30.57%
St. Croix County, WI	60,016	14,212	23.68%
Wisconsin	4,326,412	1,086,059	25.1%
United States	235,375,690	70,965,788	30.15%

Percent Adults Without Recent Dental Exam



- Report Area (26.05%)
- Wisconsin (25.1%)
- United States (30.15%)

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2006-10. Source geography: County



Adults Age 18+ Without Dental Exam in Past 12 Months, Percent by County, BRFSS 2006-10

- Over 42.0%
- 34.1 - 42.0%
- 26.1 - 34.0%
- Under 26.1%
- No Data or Data Suppressed
- Report Area

## **Immunization Rates- Childhood Series**

Vaccines are very cost-effective and are an essential component of preventative health.

This indicator is also important because communities with pockets of unvaccinated and undervaccinated people are at increased risk for outbreaks of vaccine-preventable diseases.

Report Area	Childhood Series Rate
Pierce County, WI	66.7%
St. Croix County, WI	63%
Wisconsin	70.5%
United States	70.4%
<a href="#">HP 2020 Target</a>	<= 80%

### Data Sources:

Wisconsin Department of Health, Individual Antigen and 4:3:1:3:3:1:4 Coverage Rates by 24 Month of Age by County and Region, <https://www.dhs.wisconsin.gov/immunization/24monthcountyrate.pdf> and <https://www.dhs.wisconsin.gov/immunization/24monthregionalrates.pdf>. From Wisconsin Immunization Registry Benchmark Report. 2014. Source geography: County

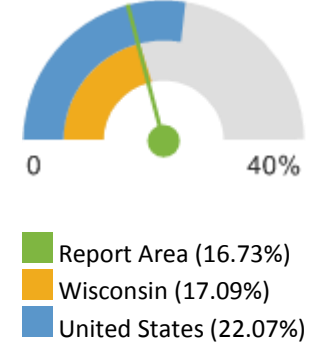
U.S. Department of Health and Human Services, Healthy People 2020, <http://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases/objectives>, site accessed 9/14/15. Source geography: State and Nation

## Lack of a Consistent Source of Primary Care

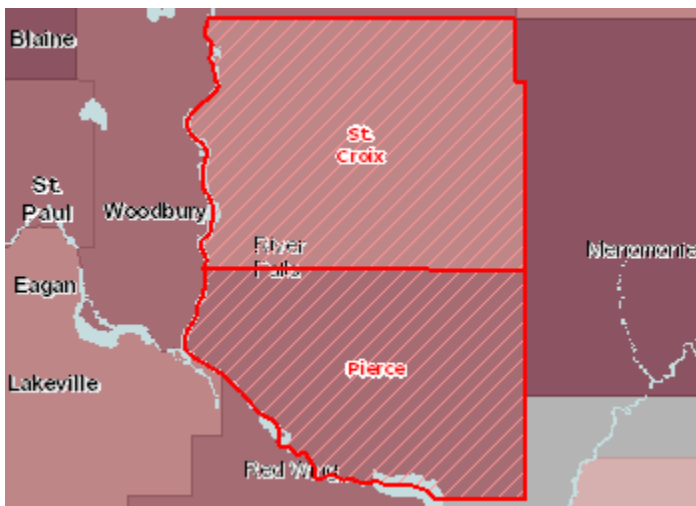
This indicator reports the percentage of adults aged 18 and older who self-report that they do not have at least one person who they think of as their personal doctor or health care provider. This indicator is relevant because access to regular primary care is important to preventing major health issues and emergency department visits.

Report Area	Survey Population (Adults Age 18+)	Total Adults Without Any Regular Doctor	Percent Adults Without Any Regular Doctor
Report Area	74,334	12,436	16.73%
Pierce County, WI	29,751	6,342	21.32%
St. Croix County, WI	44,583	6,094	13.67%
Wisconsin	4,344,153	742,464	17.09%
United States	236,884,668	52,290,932	22.07%

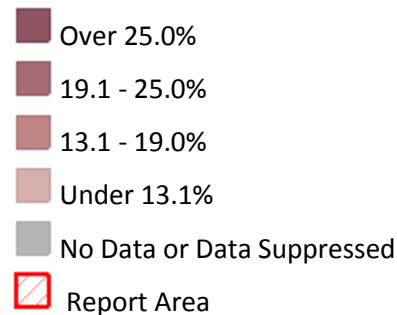
Percent Adults Without Any Regular Doctor



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



**No Consistent Source of Primary Care, Percent of Adults Age 18+ by County, BRFSS 2011-12**



## **Prenatal Care**

This indicator reports the percentage of women who do not obtain prenatal care during their first trimester of pregnancy. This indicator is relevant because engaging in prenatal care decreases the likelihood of maternal and infant health risks. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

Report Area	% Receiving Prenatal Care in the 1 <sup>st</sup> Trimester
Pierce County, WI	77.9%
St. Croix County, WI	79.9%
Minnesota	83%
Wisconsin	75.6%

Data Source:

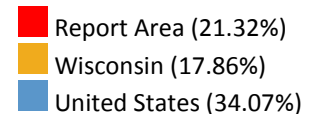
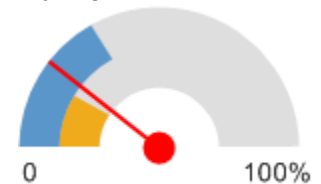
Wisconsin Department of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, 2013, <http://dhs.wisconsin.gov/wish/>, Prenatal Care Module, accessed 9/14/2015, Source geography: county.

## Population Living in a Health Professional Shortage Area

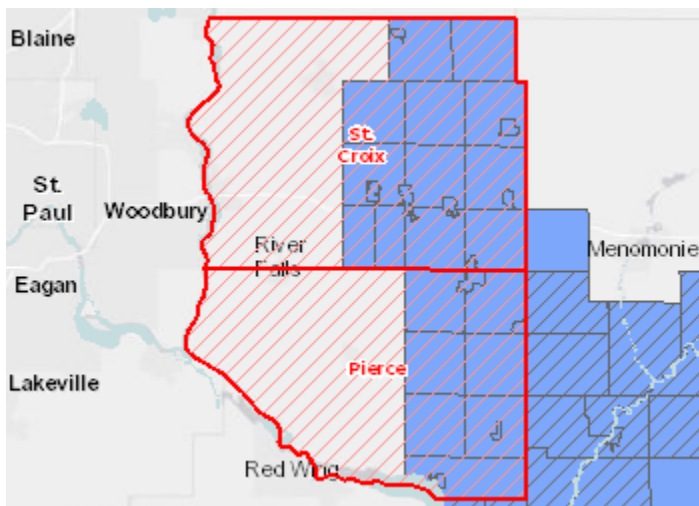
This indicator reports the percentage of the population that is living in a geographic area designated as a "Health Professional Shortage Area" (HPSA), defined as having a shortage of primary medical care, dental or mental health professionals. This indicator is relevant because a shortage of health professionals contributes to access and health status issues.

Report Area	Total Area Population	Population Living in a HPSA	Percentage of Population Living in a HPSA
Report Area	125,364	26,731	21.32%
Pierce County, WI	41,019	7,277	17.74%
St. Croix County, WI	84,345	19,454	23.06%
Wisconsin	5,686,986	1,015,576	17.86%
United States	308,745,538	105,203,742	34.07%

Percentage of Population Living in a HPSA



Data Source: US Department of Health and Human Services, Health Resources and Services Administration, Health Resources and Services Administration. March 2015. Source geography: HPSA



**Primary Care HPSA Components, Type and Degree of Shortage by Tract / County, HRSA HPSA Database March 2015**

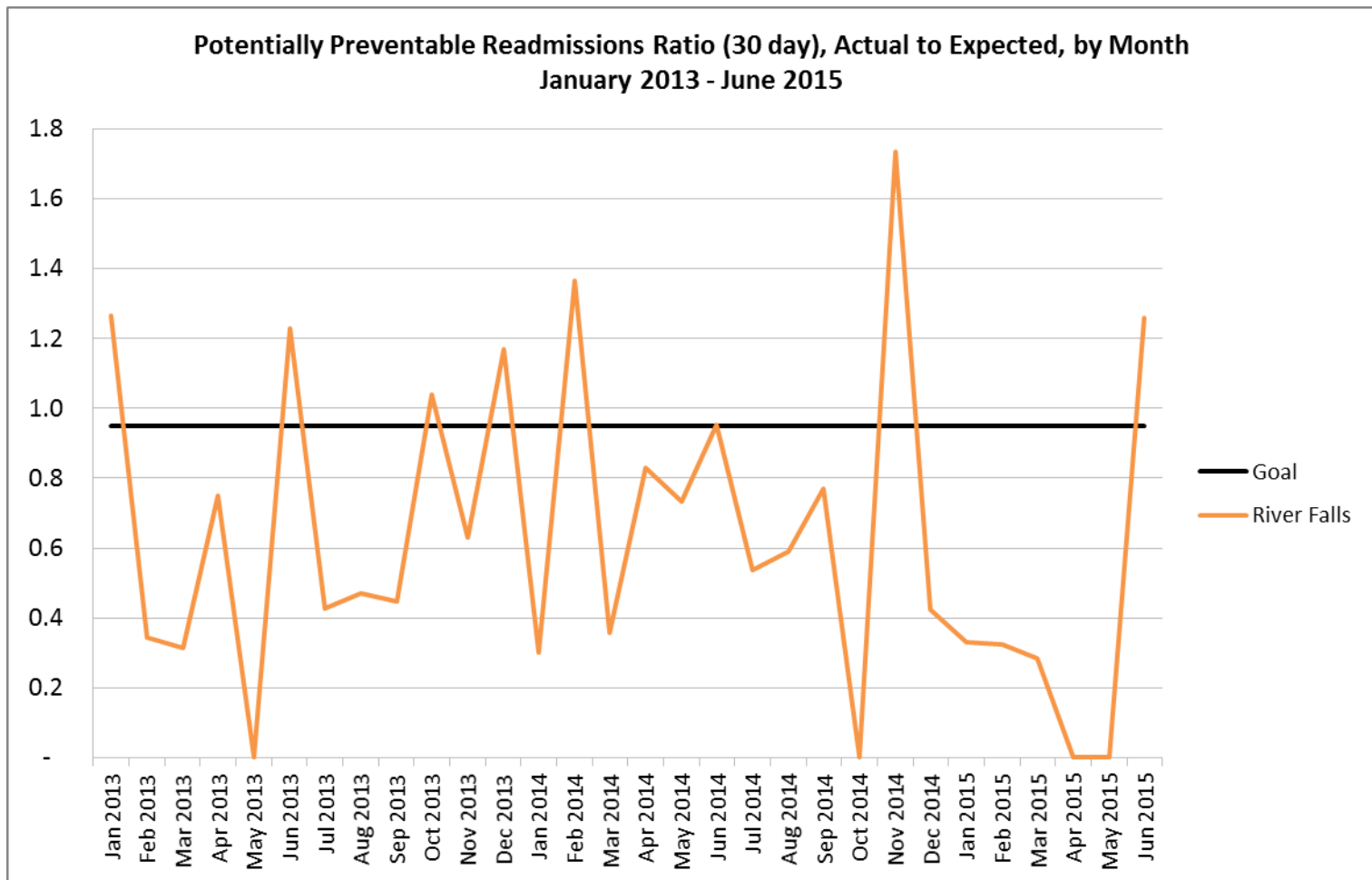


## Potentially Preventable Readmissions Rate (30 day), Allina Health Data

The potentially preventable readmissions ratio is a measure used to identify clinically-related readmissions that are considered avoidable by most physicians. A ratio higher than 1 may indicate opportunities to improve the quality of care before and after discharge, as well as coordination of services between the hospital and outpatient setting.

Report Area	Potentially Preventable Readmissions Ratio (Actual to Expected), June 2015
River Falls Area Hospital	1.260
System-wide Goal	.950 (December 2015)

Data Source: Allina Health Electronic Data Warehouse.



## Health Behaviors

Health behaviors such as poor diet, a lack of exercise, and substance abuse contribute to poor health status.

### Data Indicators

- Physical Inactivity- Adults
- Physical Activity- Youth
- Fruit/Vegetable Consumption- Adults
- Fruit/Vegetable Consumption- Youth
- Alcohol Consumption
- Tobacco Usage- Current Smokers
- Teen Births

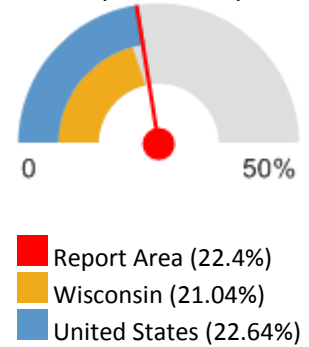


## Physical Inactivity- Adults

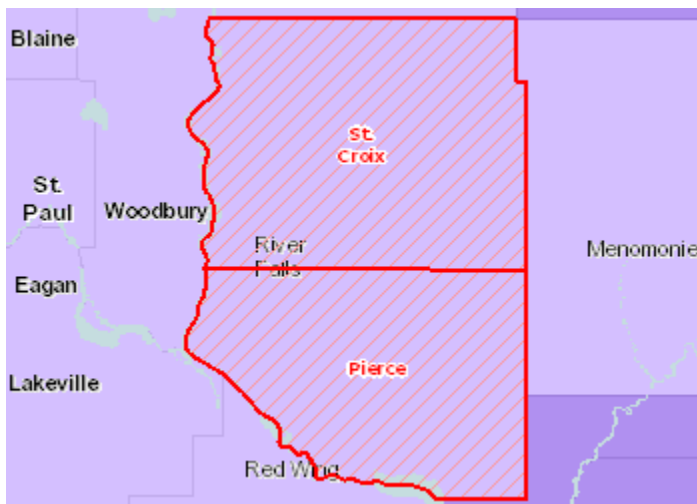
Within the report area, 20,494 or 22.4% of adults aged 20 and older self-report no leisure time for activity, based on the question: "During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?" This indicator is relevant because current behaviors are determinants of future health and this indicator may illustrate a cause of significant health issues, such as obesity and poor cardiovascular health.

Report Area	Total Population Age 20+	Population with no Leisure Time Physical Activity	Percent Population with no Leisure Time Physical Activity
Report Area	90,424	20,494	22.4%
Pierce County, WI	29,713	6,834	22.8%
St. Croix County, WI	60,711	13,660	22.2%
Wisconsin	4,245,568	920,085	21.04%
United States	231,341,061	53,415,737	22.64%

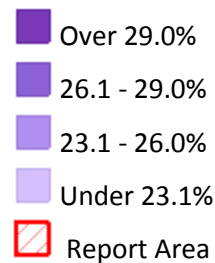
Percent Population with no Leisure Time Physical Activity



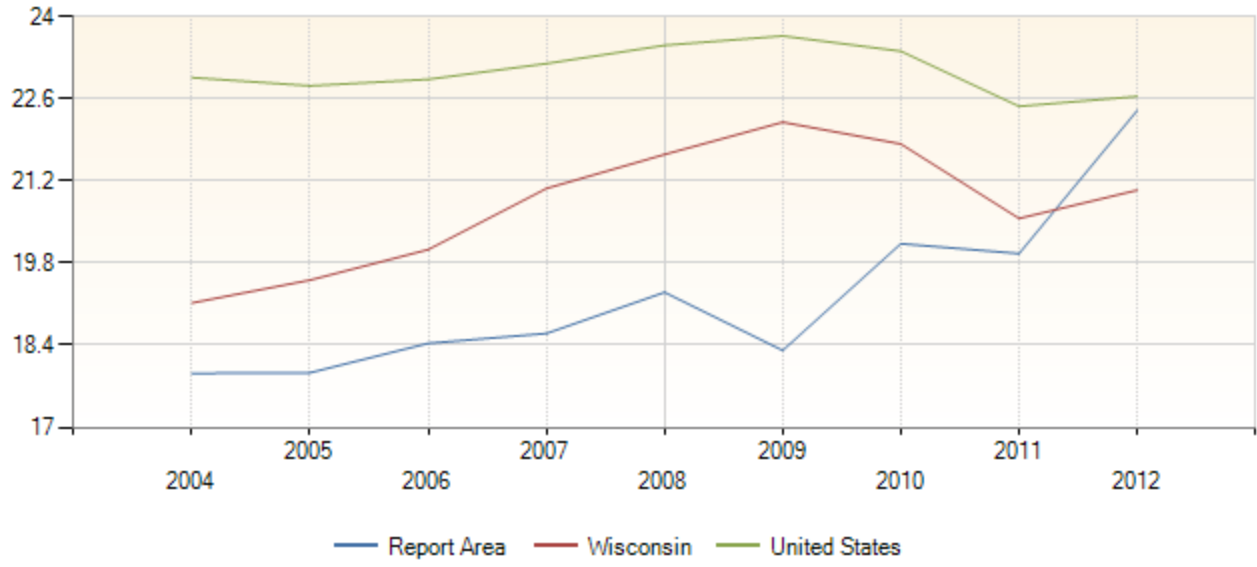
Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion. 2012. Source geography: County



No Leisure-Time Physical Activity, Adults Age 20+, Percent by County, CDC NCCDPHP 2012



Percent Adults Physically Inactive by Year, 2004 through 2012



## **Physical Activity- Youth**

This indicator looks at the percentage of 9th graders who were physically active for 60 minutes or more on at least five of the last seven days. The current Physical Activity Guidelines for youth from the U.S. Department of Health and Human Services are that children and adolescents ages 6 to 17 do 60 minutes or more of physical activity each day.

Report Area	9 <sup>th</sup> – 12 <sup>th</sup> Grade Males, 5+ Days Physically Active 60+ Minutes	9 <sup>th</sup> – 12 <sup>th</sup> Grade Females, 5+ Days Physically Active 60+ Minutes
Pierce County, WI	71%	53%
St. Croix County, WI	62%	52%
Wisconsin	58%	51%

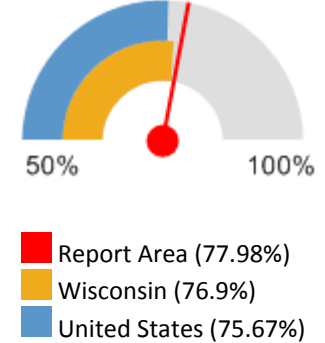
Data Sources: Centers for Disease Control and Prevention, Youth Risk Behavior Survey, 2013, Youth Online Data Analysis Tool, <https://nccd.cdc.gov/youthonline/App/Default.aspx>, Wisconsin, Source geography: state and St. Croix and Pierce County Summaries provided by Local Public Health, Source geography: county

## Fruit/Vegetable Consumption- Adults

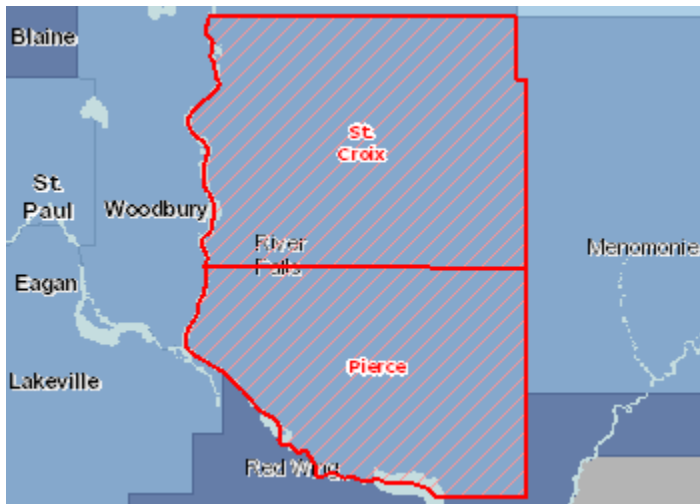
In the report area an estimated 70,548, or 77.98% of adults over the age of 18 are consuming less than 5 servings of fruits and vegetables each day. This indicator is relevant because current behaviors are determinants of future health, and because unhealthy eating habits may cause significant health issues, such as obesity and diabetes.

Report Area	Total Population (Age 18 )	Total Adults with Inadequate Fruit / Vegetable Consumption	Percent Adults with Inadequate Fruit / Vegetable Consumption
Report Area	90,474	70,548	77.98%
Pierce County, WI	31,051	23,723	76.4%
St. Croix County, WI	59,423	46,825	78.8%
Wisconsin	4,279,113	3,290,638	76.9%
United States	227,279,010	171,972,118	75.67%

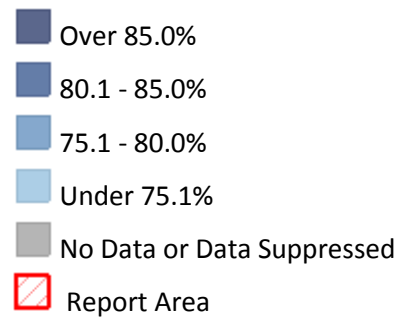
Percent Adults with Inadequate Fruit / Vegetable Consumption



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health and Human Services, Health Indicators Warehouse. 2005-09. Source geography: County



Inadequate Fruit/Vegetable Consumption, Percent of Adults Age 18+ by County, BRFSS 2005-09



## **Fruit/Vegetable Consumption- Youth**

This indicator looks at the percentage of 9th graders who ate no servings of fruit in the last 7 days and those who ate no servings of vegetables in the last 7 days. These youth are far below the nutritional guidelines for daily fruit and vegetable consumption.

Report Area	9 <sup>th</sup> Grade Males, No Fruits in Last 7 Days	9 <sup>th</sup> Grade Females, No Fruits in Last 7 days	9 <sup>th</sup> Grade Males, No Vegetables in Last 7 Days	9 <sup>th</sup> Grade Females, No Vegetables in Last 7 days
Pierce County, WI	Data Not Available	Data Not Available	Data Not Available	Data Not Available
St. Croix County, WI	Data Not Available	Data Not Available	Data Not Available	Data Not Available
Wisconsin	6.2%	2%	Data Not Available	Data Not Available

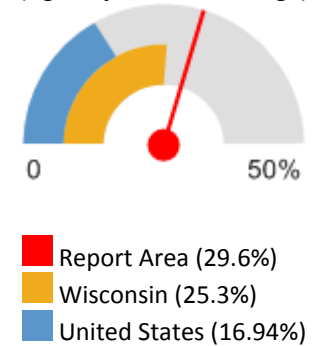
Data Source: Centers for Disease Control and Prevention, Youth Risk Behavior Survey, 2013, Youth Online Data Analysis Tool, <https://nccd.cdc.gov/youthonline/App/Default.aspx>, Wisconsin, Source geography: state

## Alcohol Consumption

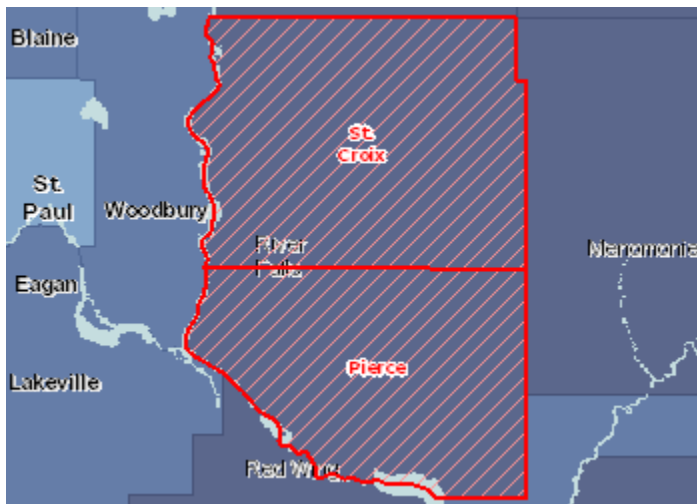
This indicator reports the percentage of adults aged 18 and older who self-report heavy alcohol consumption (defined as more than two drinks per day on average for men and one drink per day on average for women). This indicator is relevant because current behaviors are determinants of future health and this indicator may illustrate a cause of significant health issues, such as cirrhosis, cancers, and untreated mental and behavioral health needs.

Report Area	Total Population Age 18+	Estimated Adults Drinking Excessively	Estimated Adults Drinking Excessively (Crude Percentage)	Estimated Adults Drinking Excessively (Age-Adjusted Percentage)
Report Area	92,621	27,709	29.92%	29.6%
Pierce County, WI	31,750	9,874	31.1%	31.9%
St. Croix County, WI	60,871	17,835	29.3%	28.4%
Wisconsin	4,326,412	1,055,645	24.4%	25.3%
United States	232,556,016	38,248,349	16.45%	16.94%

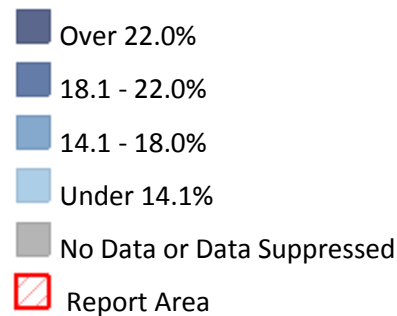
Estimated Adults Drinking Excessively (Age-Adjusted Percentage)



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health and Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



**Excessive Drinking, Percent of Adults Age 18+ by County, BRFSS 2006-12**

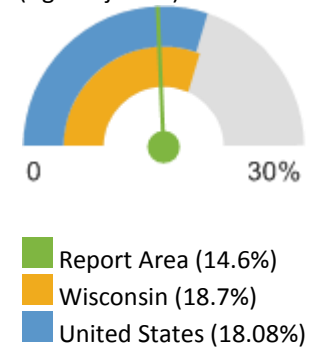


## Tobacco Usage - Current Smokers

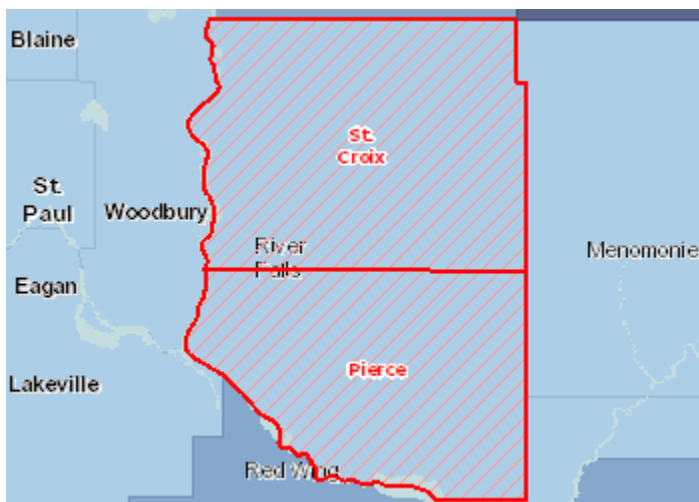
In the report area an estimated 13,701, or 14.79% of adults age 18 or older self-report currently smoking cigarettes some days or every day. This indicator is relevant because tobacco use is linked to leading causes of death such as cancer and cardiovascular disease.

Report Area	Total Population Age 18+	Total Adults Regularly Smoking Cigarettes	Percent Population Smoking Cigarettes (Crude)	Percent Population Smoking Cigarettes (Age-Adjusted)
Report Area	92,621	13,701	14.79%	14.6%
Pierce County, WI	31,750	4,509	14.2%	14.4%
St. Croix County, WI	60,871	9,192	15.1%	14.7%
Wisconsin	4,326,412	791,733	18.3%	18.7%
United States	232,556,016	41,491,223	17.84%	18.08%

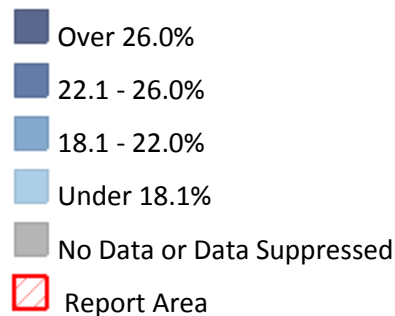
Percent Population Smoking Cigarettes (Age-Adjusted)



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health and Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



Current Smokers, Adult, Percent of Adults Age 18+ by County, BRFSS 2006-12

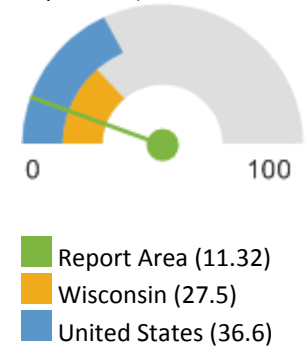


## Teen Births

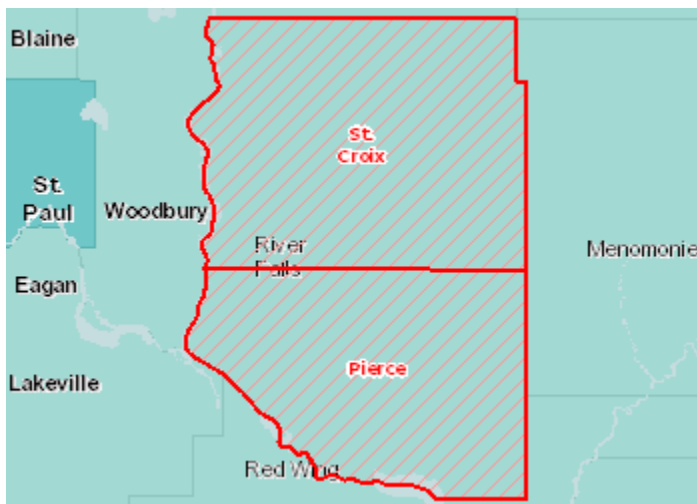
This indicator reports the rate of total births to women age of 15 - 19 per 1,000 female population age 15 - 19. This indicator is relevant because in many cases, teen parents have unique social, economic, and health support services. Additionally, high rates of teen pregnancy may indicate the prevalence of unsafe sex practices.

Report Area	Female Population Age 15 - 19	Births to Mothers Age 15 - 19	Teen Birth Rate (Per 1,000 Population)
Report Area	4,683	53	11.32
Pierce County, WI	2,101	18	8.4
St. Croix County, WI	2,582	35	13.5
Wisconsin	194,406	5,346	27.5
United States	10,736,677	392,962	36.6

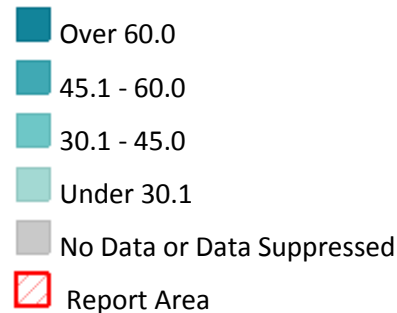
Teen Birth Rate (Per 1,000 Population)



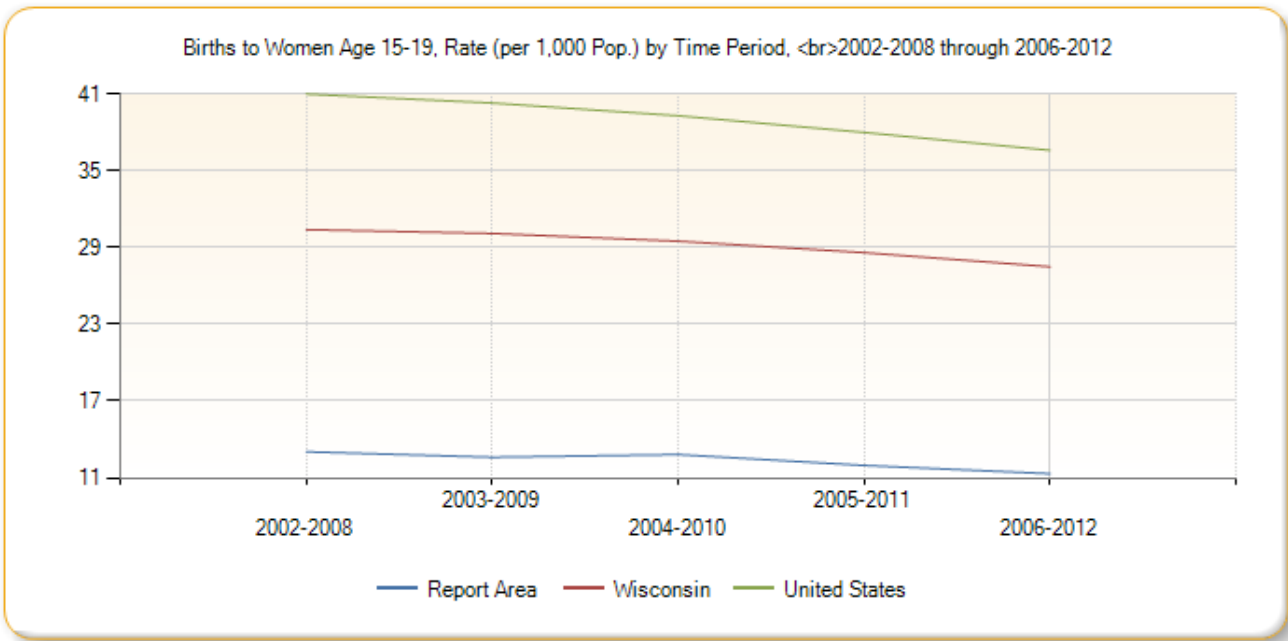
Data Source: US Department of Health and Human Services, Health Indicators Warehouse. Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2006-12. Source geography: County



Births to Females Age 15-19, Rate (Per 1,000 Pop.) by County, NVSS 2006-12

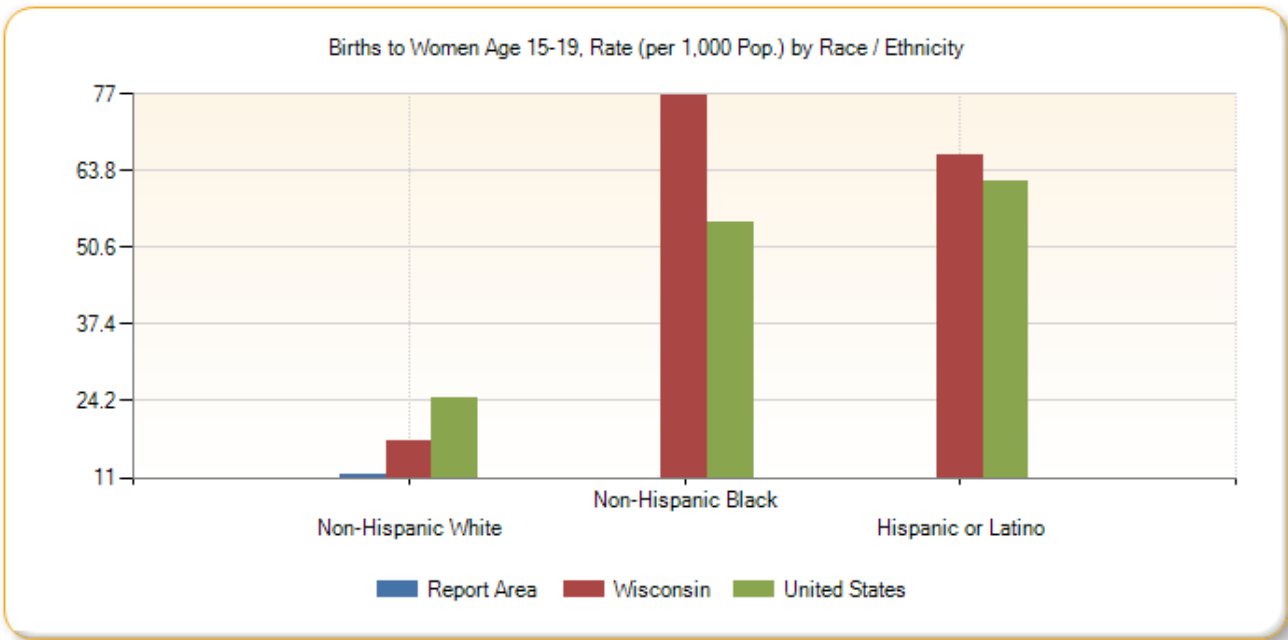






**Births to Women Age 15-19, Rate (per 1,000 Pop.) by Race / Ethnicity**

Report Area	Non-Hispanic White	Non-Hispanic Black	Hispanic or Latino
Report Area	11.41	no data	no data
Pierce County, WI	8.4	no data	no data
St. Croix County, WI	12.9	no data	no data
Wisconsin	17.4	76.7	66.3
United States	24.6	54.9	62



## Health Outcomes

Measuring morbidity and mortality rates allows assessing linkages between social determinants of health and outcomes. By comparing, for example, the prevalence of certain chronic diseases to indicators in other categories (e.g., poor diet and exercise) with outcomes (e.g., high rates of obesity and diabetes), various causal relationships may emerge, allowing a better understanding of how certain community health needs may be addressed.

### Data Indicators

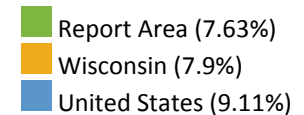
- Diabetes- Adults
- Cancer
- Heart Disease- Adults
- Overweight- Adults
- Obesity- Adults
- Overweight/Obesity- Youth
- Adolescent Mental Health
- Poor General Health
- Low Birth Weight
- Mortality - Premature Death
- Infant Mortality
- Top Mortality Rates

## Diabetes - Adults

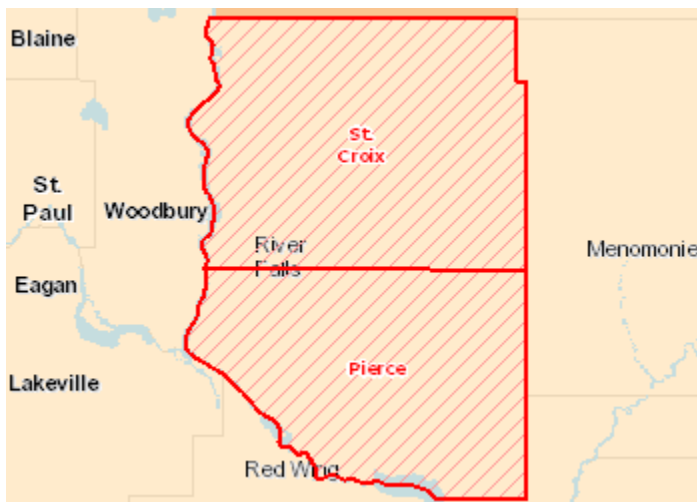
This indicator reports the percentage of adults aged 20 and older who have ever been told by a doctor that they have diabetes. This indicator is relevant because diabetes is a prevalent problem in the U.S.; it may indicate an unhealthy lifestyle and puts individuals at risk for further health issues.

Report Area	Total Population Age 20+	Population with Diagnosed Diabetes	Population with Diagnosed Diabetes, Crude Rate	Population with Diagnosed Diabetes, Age-Adjusted Rate
Report Area	90,545	7,242	8	7.63%
Pierce County, WI	29,634	2,430	8.2	7.9%
St. Croix County, WI	60,911	4,812	7.9	7.5%
Wisconsin	4,246,740	373,377	8.79	7.9%
United States	234,058,710	23,059,940	9.85	9.11%

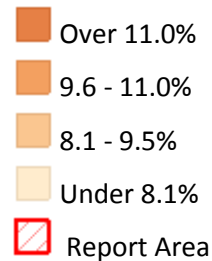
Percent Adults with Diagnosed Diabetes (Age-Adjusted)



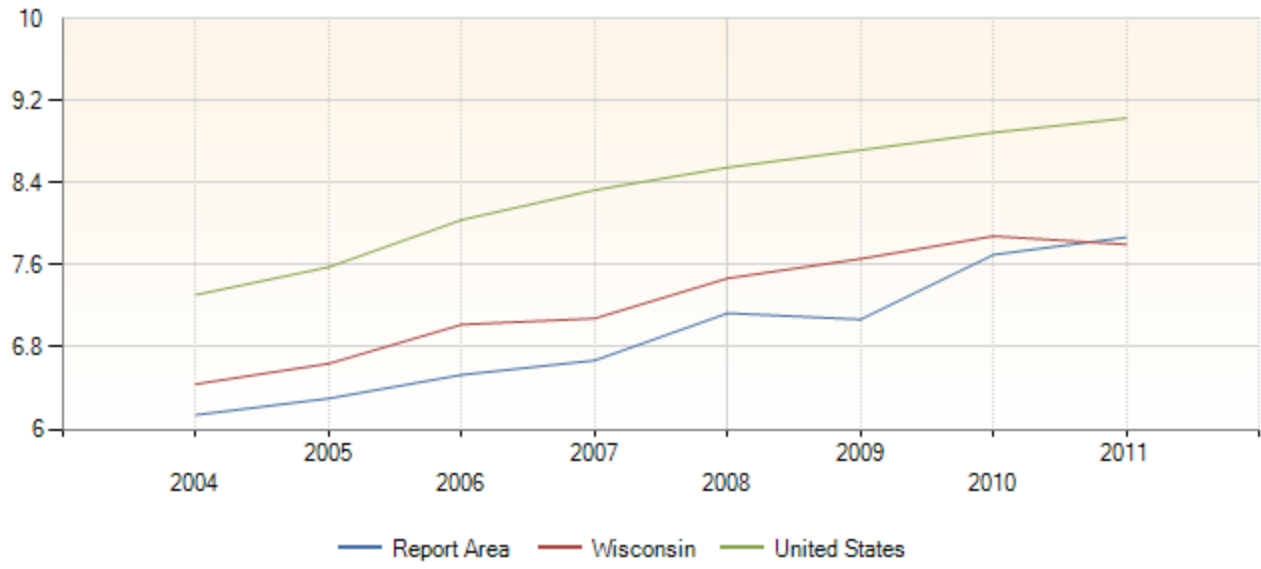
Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion. 2012. Source geography: County



Diabetes Prevalence, Percent of Adults Age 20+ by County, CDC NCCDPHP 2012



Percent Adults with Diagnosed Diabetes by Year, 2004 through 2012



## **Cancer**

This indicator is relevant because cancer is a leading cause of death and it is important to identify cancers separately to better target interventions. These indicators show yearly cancer incidence per 100,000 population.

Report Area	Cancer incidence per 100,000 population All ages combined, gender combined (except when noted), age-adjusted				
	Prostate (male only)	Breast (female only)	Lung	Colon and Rectum	Melanoma
Pierce County, WI	67.9	72.8	33	33.3	16.9
St. Croix County, WI	82.1	99	40.9	31.4	11.3
Wisconsin	129.7	125.6	61.7	40.5	20.6

Data Source: Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, <http://dhs.wisconsin.gov/wish/>. Cancer Module, 2008-2012 data. Accessed 9/11/2015. Source geography: County

## Heart Disease- Adults

3,350, or 4.62% of adults aged 18 and older have ever been told by a doctor that they have coronary heart disease or angina. This indicator is relevant because coronary heart disease is a leading cause of death in the U.S. and is also related to high blood pressure, high cholesterol, and heart attacks.

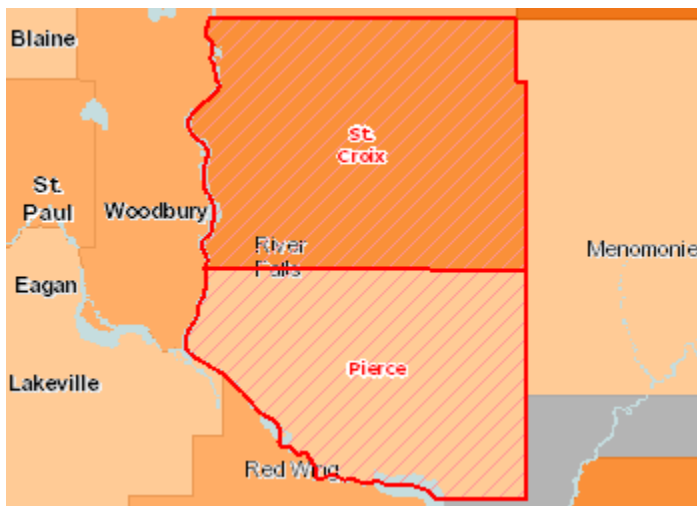
Report Area	Survey Population (Adults Age 18+)	Total Adults with Heart Disease	Percent Adults with Heart Disease
Report Area	72,554	3,350	4.62%
Pierce County, WI	29,751	771	2.59%
St. Croix County, WI	42,803	2,579	6.03%
Wisconsin	4,338,932	171,303	3.95%
United States	236,406,904	10,407,185	4.40%

Percent Adults with Heart Disease



- Report Area (4.62%)
- Wisconsin (3.95%)
- United States (4.40%)

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



Heart Disease (Diagnosed), Percent of Adults Age 18+ by County, BRFSS 2011-12

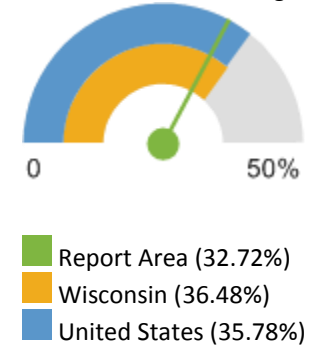
- Over 7.0%
- 5.1 - 7.0%
- 3.1 - 5.0%
- Under 3.1%
- No Data or Data Suppressed
- Report Area

## Overweight- Adults

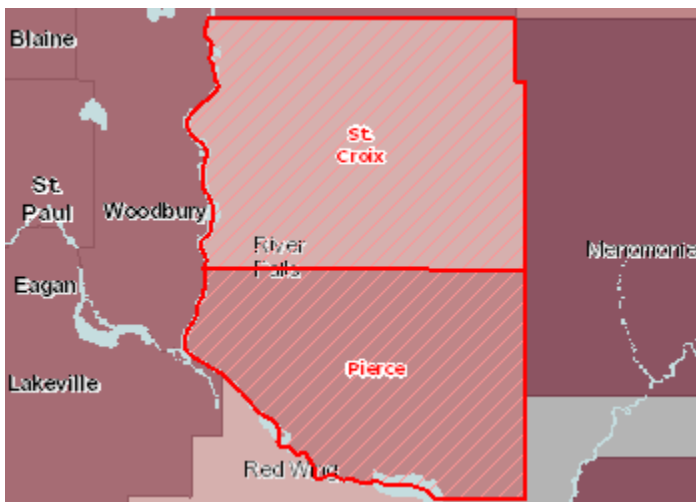
32.72% of adults aged 18 and older self-report that they have a Body Mass Index (BMI) between 25.0 and 30.0 (overweight) in the report area. Excess weight may indicate an unhealthy lifestyle and puts individuals at risk for further health issues.

Report Area	Survey Population (Adults Age 18+)	Total Adults Overweight	Percent Adults Overweight
Report Area	72,249	23,637	32.72%
Pierce County, WI	29,294	10,438	35.63%
St. Croix County, WI	42,955	13,199	30.73%
Wisconsin	4,107,602	1,498,652	36.48%
United States	224,991,207	80,499,532	35.78%

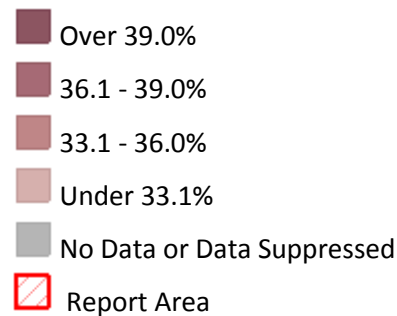
Percent Adults Overweight



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



**Overweight (BMI 25.0-29.9), Adults Age 18+, Percent by County, BRFSS 2011-12**

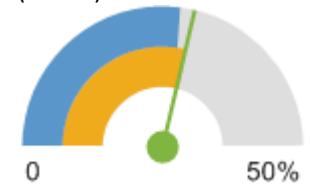


## Obesity- Adults

28.66% of adults aged 20 and older self-report that they have a Body Mass Index (BMI) greater than 30.0 (obese) in the report area. Excess weight may indicate an unhealthy lifestyle and puts individuals at risk for further health issues.

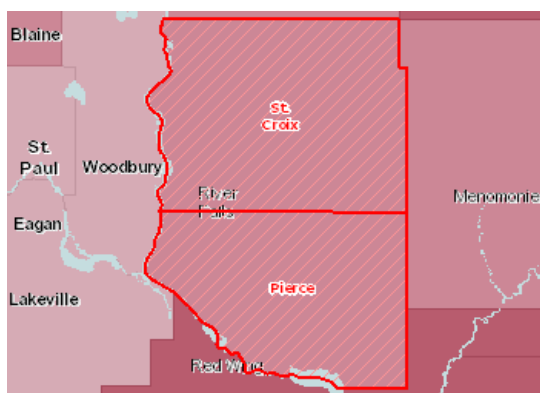
Report Area	Total Population Age 20+	Adults with BMI > 30.0 (Obese)	Percent Adults with BMI > 30.0 (Obese)
Report Area	90,424	26,304	28.66%
Pierce County, WI	29,695	9,057	30%
St. Croix County, WI	60,729	17,247	28%
Wisconsin	4,245,171	1,248,156	28.96%
United States	231,417,834	63,336,403	27.14%

Percent Adults with BMI > 30.0 (Obese)



- Report Area (28.66%)
- Wisconsin (28.96%)
- United States (27.14%)

Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion. 2012. Source geography: County



**Obese (BMI >= 30), Adults Age 20 , Percent by County, CDC NCCDPHP 2012**

- Over 34.0%
- 30.1 - 34.0%
- 26.1 - 30.0%
- Under 26.1%
- Report Area





## **Overweight/Obesity- Youth**

This table outlines the percentage of 9<sup>th</sup> graders who are overweight or obese based on self-report their weight and height. BMI-for-age growth charts classify children from the 85th to less than the 95th percentile as overweight and equal to or greater than the 95th percentile as obese.

Report Area	9 <sup>th</sup> Grade Males, Overweight	9 <sup>th</sup> Grade Females, Overweight	9 <sup>th</sup> Grade Males, Obese	9 <sup>th</sup> Grade Females, Obese
Pierce County, WI	Data Not Available	Data Not Available	Data Not Available	Data Not Available
St. Croix County, WI	Data Not Available	Data Not Available	Data Not Available	Data Not Available
Wisconsin	13%	12%	14%	9%

Data Source: Centers for Disease Control and Prevention, Youth Risk Behavior Survey, 2013, Youth Online Data Analysis Tool, <https://nccd.cdc.gov/youthonline/App/Default.aspx>, Wisconsin, Source geography: state

## **Adolescent Mental Health**

This indicator shows the percent of 9<sup>th</sup>-12<sup>th</sup> graders who felt sad or hopeless almost every day for 2 or more weeks in a row so that they stopped doing some usual activities during the 12 months before the survey. It is from the Youth Risk Behavior Survey.

	9 <sup>th</sup> - 12 <sup>th</sup> Grade Males, Felt Sad or Hopeless	9 <sup>th</sup> - 12 <sup>th</sup> Grade Females, Felt Sad or Hopeless
Pierce County, WI	14.1%	30.8%
St. Croix County, WI	16.1%	31.1%
Wisconsin	16.6%	32.9%

Data Source: Centers for Disease Control and Prevention, Youth Risk Behavior Survey, 2013, Youth Online Data Analysis Tool, Wisconsin, Source geography: state

## Poor General Health

Within the report area 9.13% of adults age 18 and older self-report having poor or fair health in response to the question "Would you say that in general your health is excellent, very good, good, fair, or poor?" This indicator is relevant because it is a measure of general poor health status.

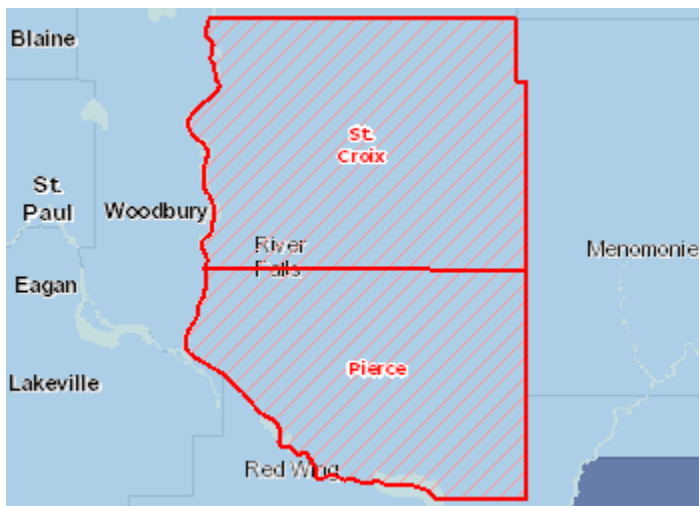
Report Area	Total Population Age 18+	Estimated Population with Poor or Fair Health	Crude Percentage	Age-Adjusted Percentage
Report Area	92,621	8,458	9.13%	9.56%
Pierce County, WI	31,750	3,588	11.3%	11.2%
St. Croix County, WI	60,871	4,870	8%	8.7%
Wisconsin	4,326,412	532,149	12.3%	11.8%
United States	232,556,016	37,766,703	16.24%	15.74%

Percent Adults with Poor or Fair Health (Age-Adjusted)



- Report Area (9.56%)
- Wisconsin (11.8%)
- United States (15.74%)

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health and Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



Adults with Poor or Fair Health, Percent by County, BRFSS 2006-12

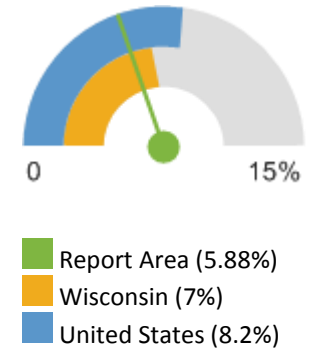
- Over 22.0%
- 16.1 - 22.0%
- 12.1 - 16.0%
- Under 12.1%
- No Data or Data Suppressed
- Report Area

## Low Birth Weight

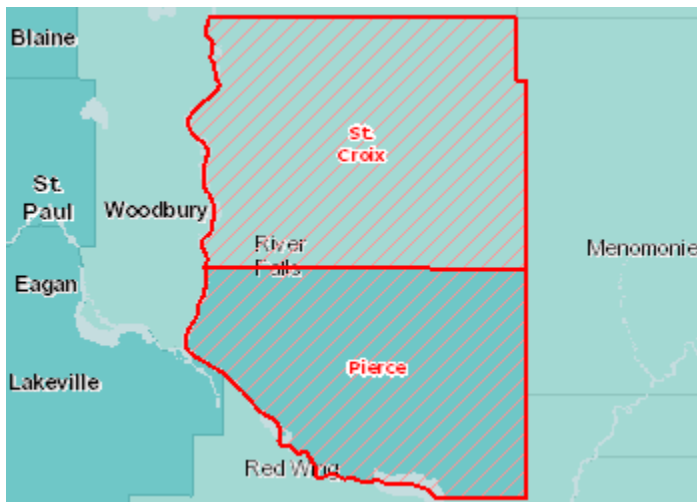
This indicator reports the percentage of total births that are low birth weight (Under 2500g). This indicator is relevant because low birth weight infants are at high risk for health problems. This indicator can also highlight the existence of health disparities.

Report Area	Total Live Births	Low Weight Births (Under 2500g)	Low Weight Births, Percent of Total
Report Area	11,186	658	5.88%
Pierce County, WI	3,136	191	6.1%
St. Croix County, WI	8,050	467	5.8%
Wisconsin	499,401	34,958	7%
United States	29,300,495	2,402,641	8.2%
<a href="#">HP 2020 Target</a>			<= 7.8%

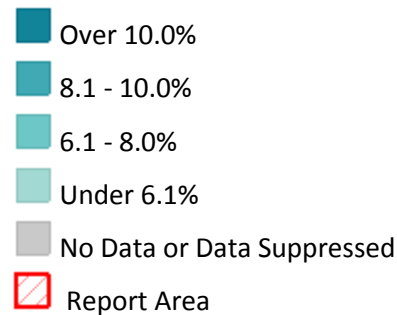
Percent Low Birth Weight Births



Data Source: US Department of Health and Human Services, Health Indicators Warehouse. Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2006-12. Source geography: County



**Low Birth Weight, Percent of Live Births by County, NVSS 2006-12**

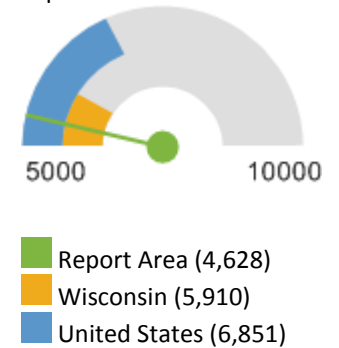


## Mortality - Premature Death

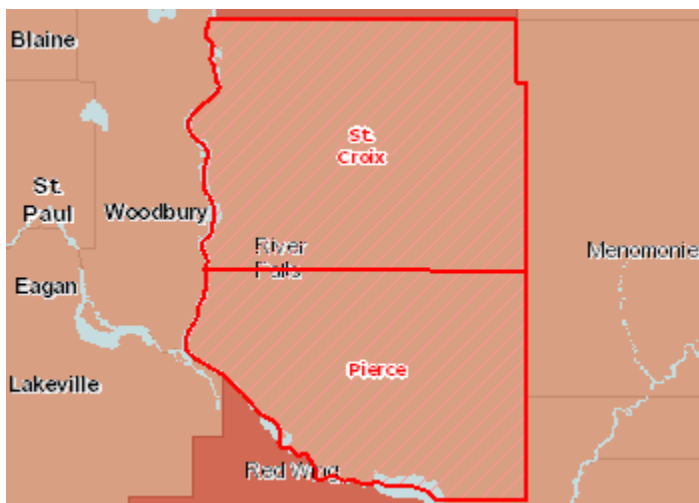
This indicator reports Years of Potential Life Lost (YPLL) before age 75 per 100,000 population for all causes of death, age-adjusted to the 2000 standard. YPLL measures premature death and is calculated by subtracting the age of death from the 75 year benchmark. This indicator is relevant because a measure of premature death can provide a unique and comprehensive look at overall health status.

Report Area	Total Population, 2008-2010 Average	Total Premature Deaths, 2008-2010 Average	Total Years of Potential Life Lost, 2008-2010 Average	Years of Potential Life Lost, Rate per 100,000 Population
Report Area	125,784	286	5,821	4,628
Pierce County, WI	40,862	95	1,714	4,194
St. Croix County, WI	84,922	191	4,107	4,835
Wisconsin	5,711,767	17,715	337,540	5,910
United States	311,616,188	1,074,667	21,327,690	6,851

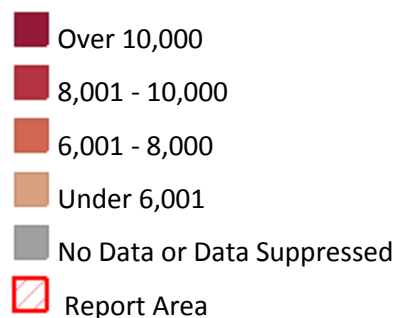
Years of Potential Life Lost, Rate per 100,000 Population



Data Source: University of Wisconsin Population Health Institute, County Health Rankings. Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2008-10. Source geography: County



Premature Death, Years Lost Rate (Per 100,000 Pop.) by County, CHR 2008-10



## Infant Mortality

This indicator reports the rate of deaths to infants less than one year of age per 1,000 births. This indicator is relevant because high rates of infant mortality indicate the existence of broader issues pertaining to access to care and maternal and child health.

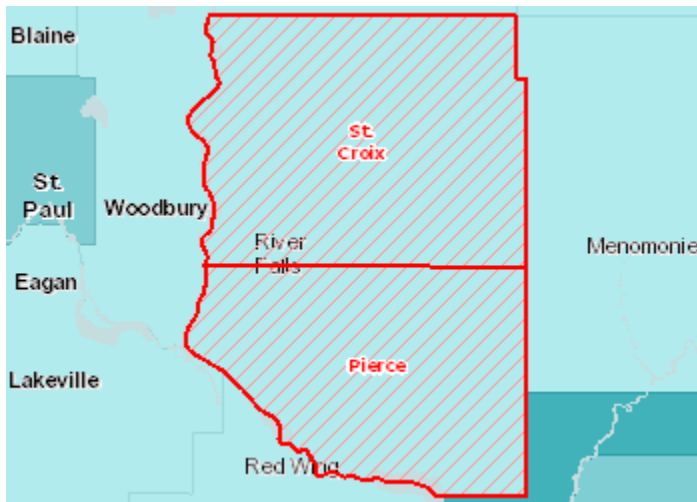
Report Area	Total Births	Total Infant Deaths	Infant Mortality Rate (Per 1,000 Births)
Report Area	8,040	37	4.6
Pierce County, WI	2,205	9	4.1
St. Croix County, WI	5,835	28	4.8
Wisconsin	357,880	2,290	6.4
United States	20,913,535	136,369	6.52
<a href="#">HP 2020 Target</a>			<= 6.0

Infant Mortality Rate (Per 1,000 Births)



■ Report Area (4.6)  
■ Wisconsin (6.4)  
■ United States (6.52)

Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. Centers for Disease Control and Prevention, Wide-Ranging Online Data for Epidemiologic Research. 2006-10. Source geography: County



**Infant Mortality, Rate (Per 1,000 Live Births) by County, AHRF 2006-10**

■ Over 10.0  
■ 8.1 - 10.0  
■ 5.1 - 8.0  
■ Under 5.1  
■ No Data or Data Suppressed  
 Report Area

## **Top Mortality Rates**

Wisconsin Top Causes of Death, All Ages, 2013	Rate
Malignant Neoplasms	198.9
Diseases of the Heart	197.4
Accidents	51.1
Chronic Lower Respiratory Diseases	48.6
Cerebrovascular Diseases	44.0
Alzheimer's Diseases	29.0
Diabetes Mellitus	22.3
Influenza and Pneumonia	19.4
Nephritis/Nephrotic Syndrome/Nephrosis	17.3
Intentional Self-Harm (Suicide)	14.9

Data Source: Wisconsin Department of Health Services, Office of Health Informatics, Wisconsin Deaths 2013, <https://www.dhs.wisconsin.gov/publications/p45368-13.pdf>, Source geography: State.

Please see [Health Indicators Report footnotes](#) for information about the data background, analysis methodologies and other related notes.

The majority of this report was prepared by [Community Commons](#), September 03, 2015.

**Supplemental Information**

Any additional sources can be added to this section of the packet.