

WISCONSIN'S DEMOGRAPHIC CHANGES IMPACT ON RURAL SCHOOLS AND COMMUNITIES

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Wisconsin's Demographic Changes

General Population

- Statewide change
- Rural vs urban trends
- ❖ Racial and ethnic diversity

Public School Trends

- Racial & ethnic composition
- Free & reduced lunch program
- Declining student population
- **❖** School funding issues
- ❖ Future enrollment by location

Socioeconomic Concerns

- Economy
- Healthcare services
- Infrastructure
- Housing



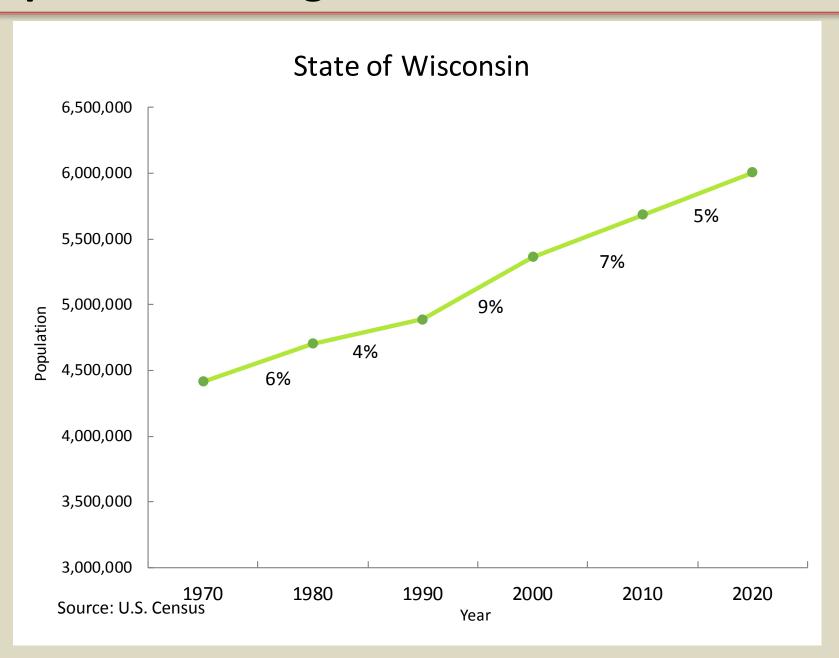
Applied Population Laboratory

- Research and outreach professionals at University of Wisconsin-Madison since the 1960s
- Clearinghouse for Demographic Data and Products
 - Census State Data Center
 - UW-Extension
- Applied Work
 - Mapping and online tools
 - Regional profiles
- Facilitation of data and informational resources
 - Data "translation" in partnership with WisContext
- Local area estimates and projections
 - School enrollment projections program
 - Funeral Director's Association

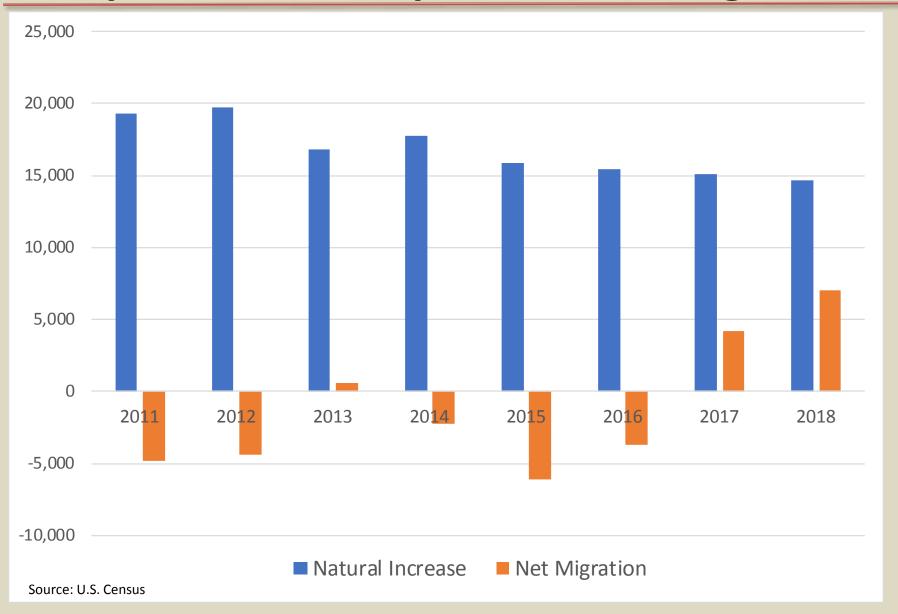




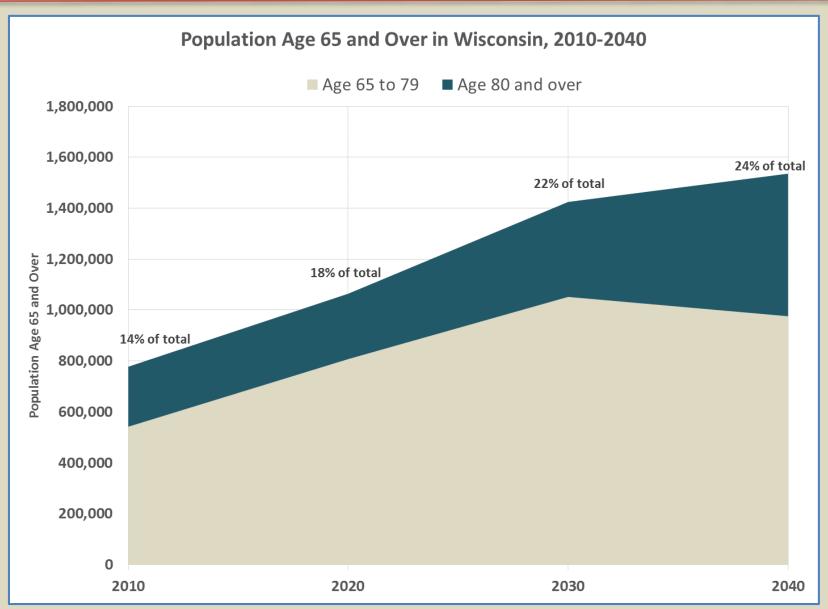
Population Change, 1970 to 2020



Components of Population Change

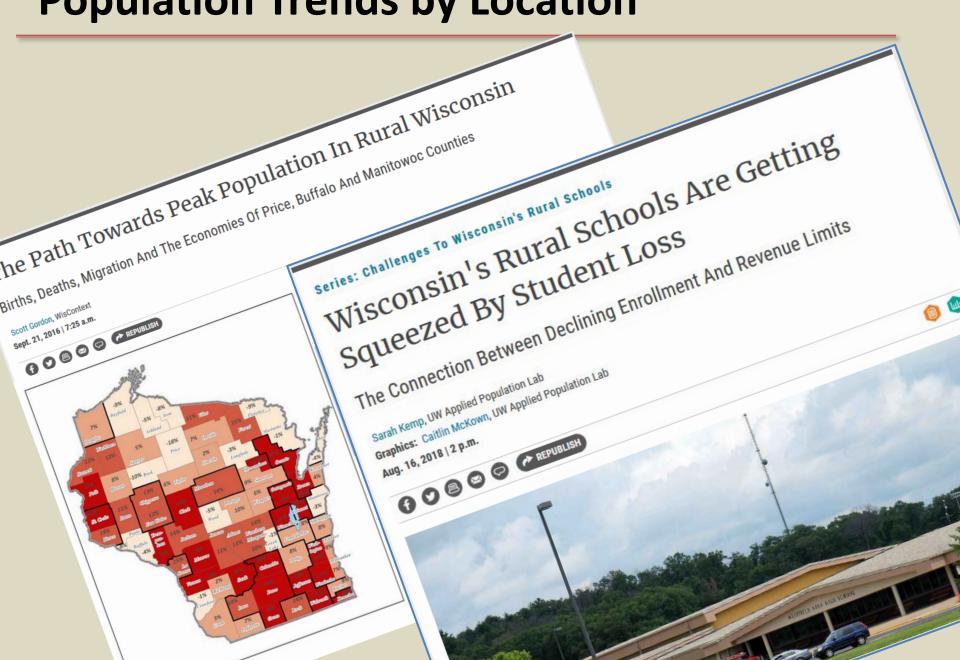


Age Wave, 2010-2040



Source: WI Department of Administration, 2013

Population Trends by Location



Wisconsin Population Change, 2010-2017

Counties shaded aqua gaining residents and those shaded blue losing them.

Source: U.S. Census

Just over half of WI counties grew.

 Urban counties and medium sized cities continuing to grow.

 Population decline in the Northwoods and other rural counties.



Urban and Rural

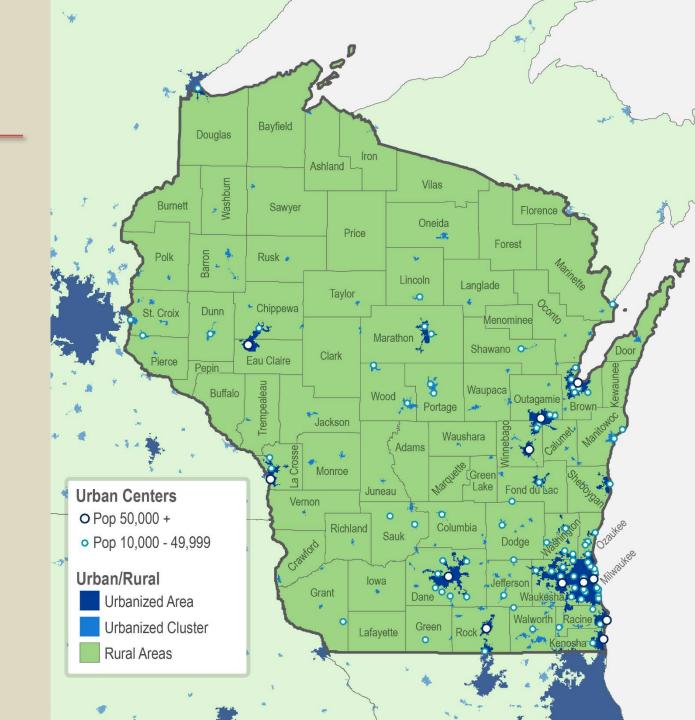
U.S. Census Bureau

Urbanized Areas (UA): densely developed territory, 50,000+

Urban Clusters (UC): densely developed territory, 2,500 – 50K

UA + UC = Urban

All other areas = Rural



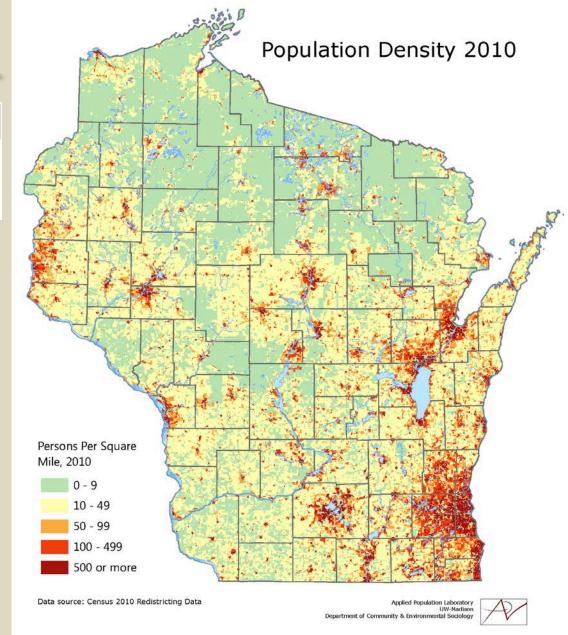
Population Density

	Land Area	Population
Urban	3.5%	70%
Rural	96.5%	30%

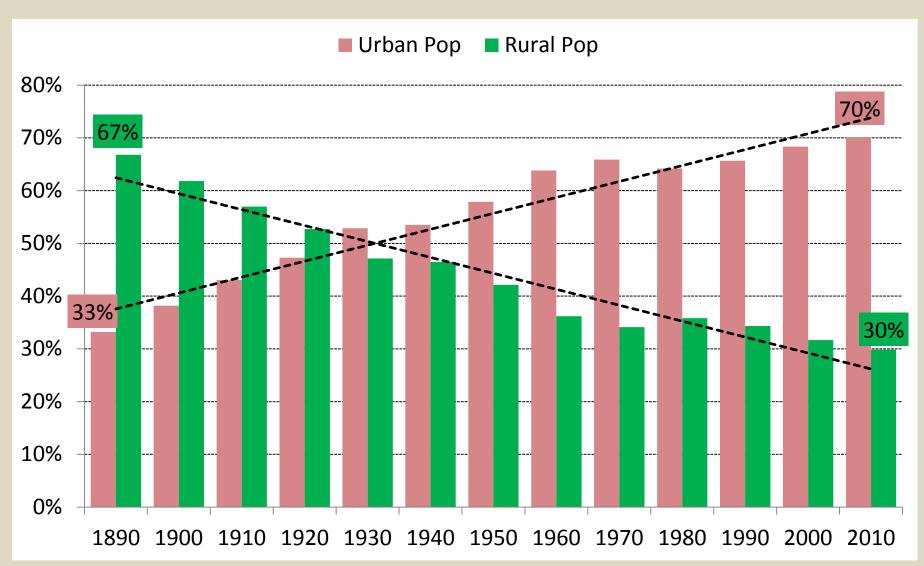
Most economic growth in the large & medium sized cities.

Much of rural Wisconsin is covered by fields and forests.

Rural identity means different things to different people.

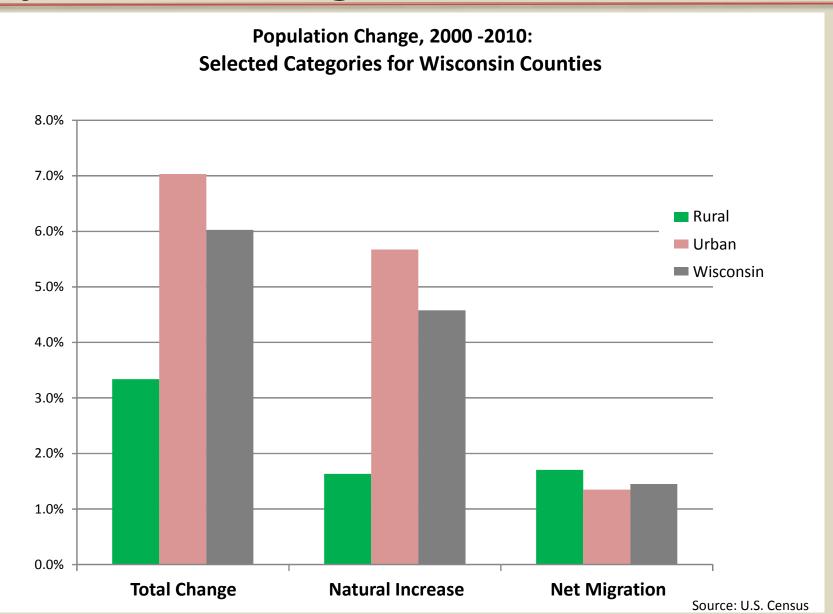


Urban And Rural Populations, 1890-2010

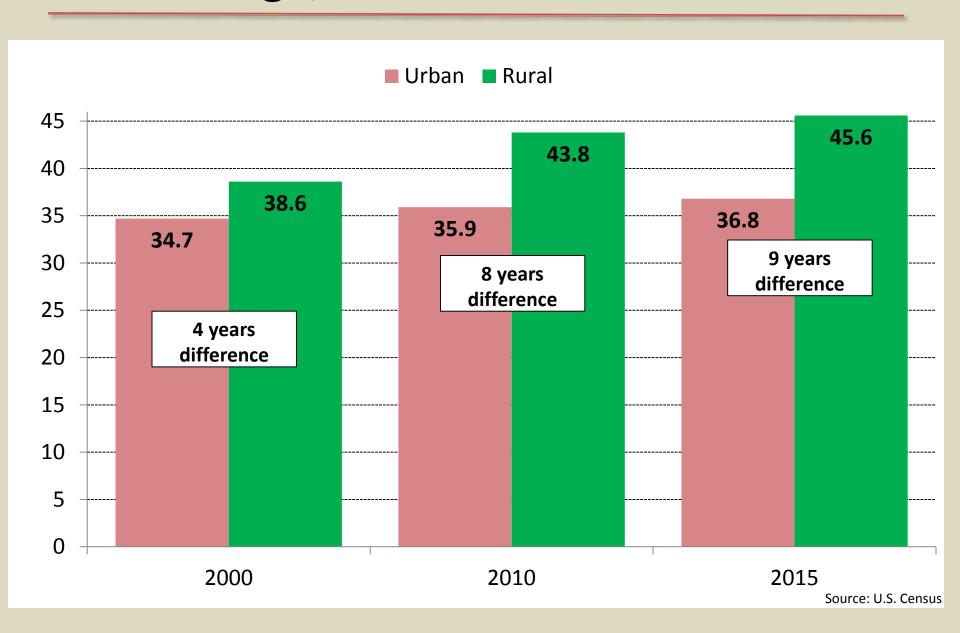


Source: U.S. Census

Population Change, 2000-2010



Median Age, 2000 to 2015



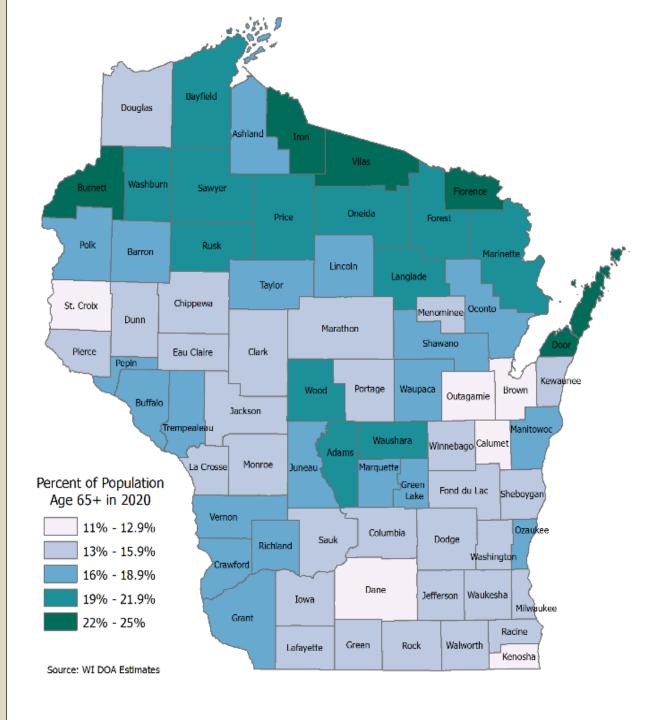
Persons age 65 & older, 2020

Younger population will live in urban areas.

Aging population will dominate northern Wisconsin.

Today, the top six highest median age counties are:

	Median	
County	Age	
Iron	54	
Vilas	53	
Adams	52	
Door	52	
Burnett	52	
Florence	52	



Racial and Ethnic Composition

IMMIGRATIO

October 9, 2012

Hispanic immigrants help rural county stave off population dip

By Mario Koran and Lukas Keapproth





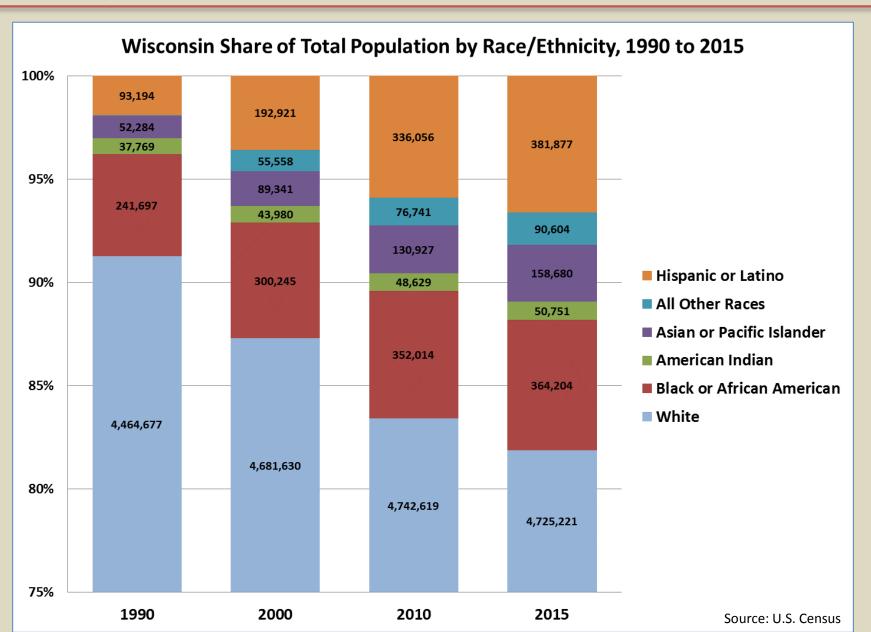
Lukas Keapproth / WCIJ

Huron Mireles, 31, a herdsman at Norm-E-Lanes, walks past dairy cows in one of the barns at the farm on July 11, 2012.

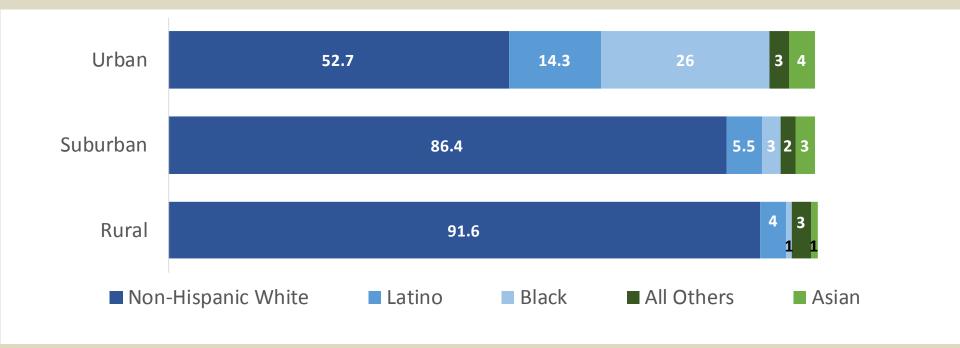
Lukas Keapproth/WCIJ

Alex Vasquez, 15, jumps on his trampoline to dunk a basketball during a game against his cousin, Jordi Acosta, 19, in Marshfield, Wis., on July 8, 2012.

Change in Racial and Ethnic Diversity



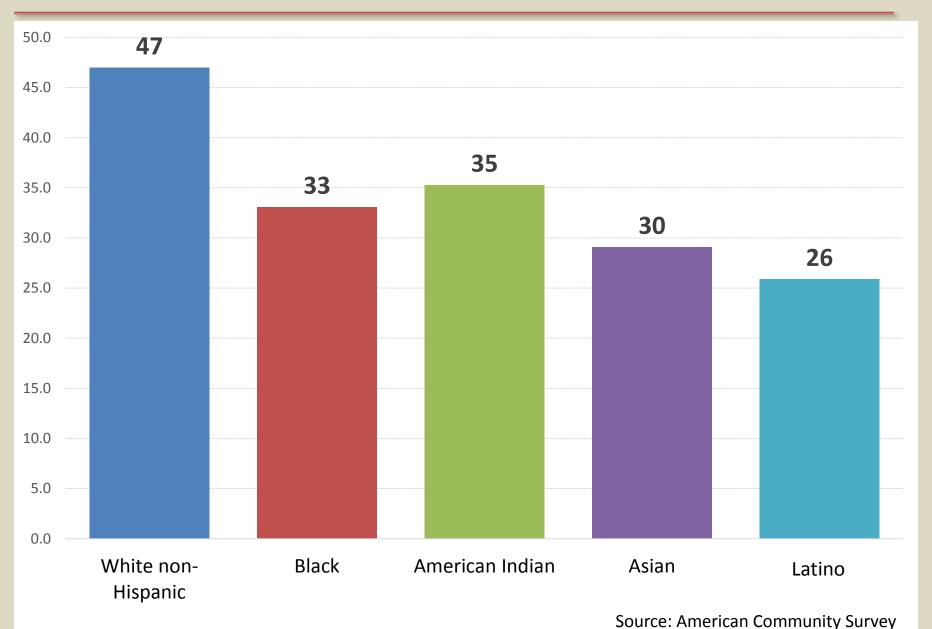
Racial & Ethnic Diversity by Location



Source: American Community Survey, 2012-2016 and National Center for Health Statistics



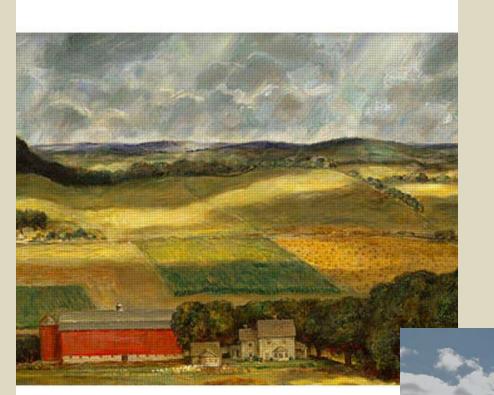
Rural Median Age by Race and Ethnicity



Observations about the general population

- Total population is growing in Wisconsin.
- Majority of the population lives in urbanized areas.
- Population growth has occurred in cities and suburbs but decline in rural Wisconsin.
- The state is growing older with an aging population occurring more quickly in rural areas.
- Wisconsin's urban population is becoming more diverse but also seeing areas of diversity in rural areas.

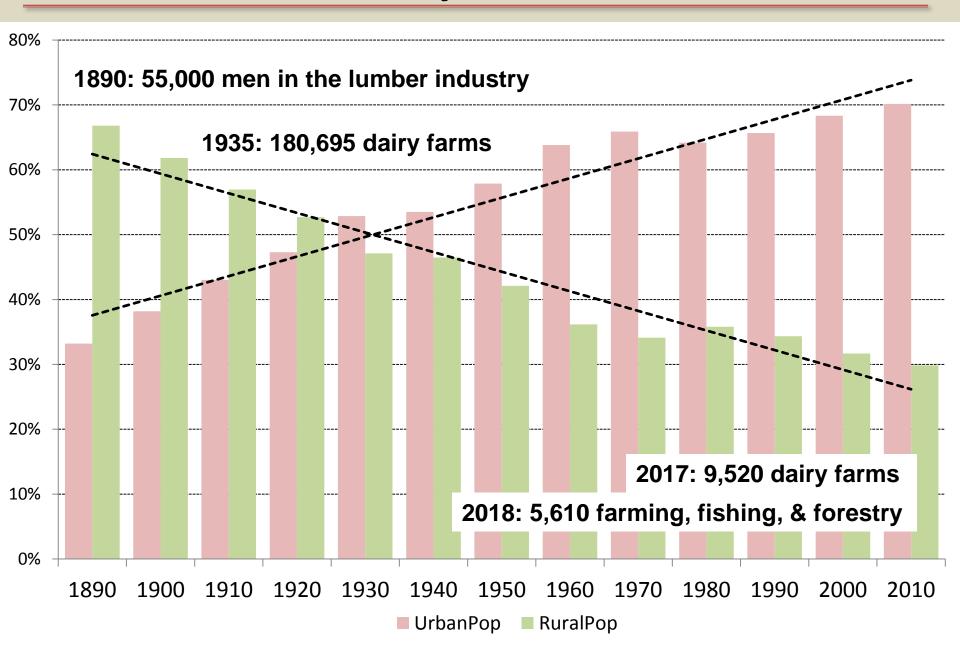
Perception vs Reality in Rural Wisconsin



Socioeconomic Concerns

- Economy (Jobs)
- Healthcare services
- Infrastructure (Internet)
- Housing

Urban/Rural Economy



Healthcare Services

Obstetric Delivery Services in Rural Hospitals Report by Wisconsin Office of Rural Health (July 2019)

- ❖ 56% of rural Wisconsin hospitals provide obstetric delivery services.
- ❖ 99% of women of child-bearing age live within a 30-minute drive of services.
- ❖ 11 rural hospitals have closed their obstetric units in the past 10 years.
- Challenges with provider coverage, maintenance of provider skills, and low or reduced volume of deliveries.





Infrastructure

Rural Internet Access

Concerns

- U.S. News and World Report ranks Wisconsin 37th for Internet access.
- Especially important for students, tourism, and businesses.
- "Northern Wisconsin Leaders Frustrated with Lack of Broadband Service."

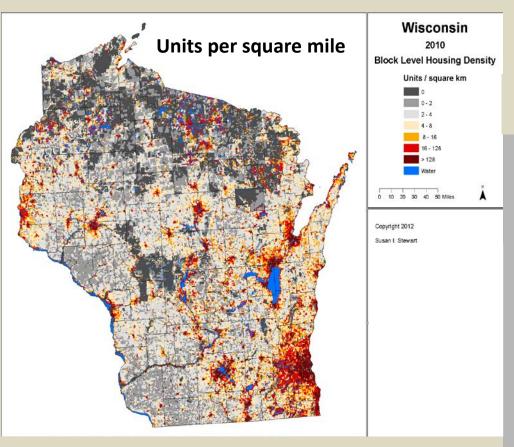
Solutions

- \$7 million in broadband expansion grants in FY 2019.
- Local telecom cooperatives are one path to expanding broadband options.





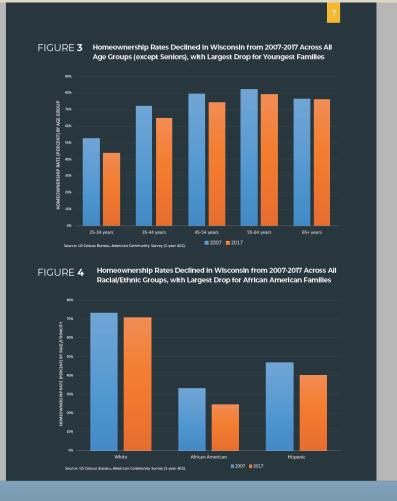
Housing Availability and Affordability



Homeownership Rates Declined from 2007-2017 Across All Age Groups (except Seniors)

Homeownership Rates Declined from 2007-2017 Across All Racial/Ethnic Groups

Report: "Falling Behind"



Observations about rural socioeconomic concerns

- Median household income low and poverty rates high in rural areas.
- Causes of rural poverty lower paying jobs, seasonal employment, and lack of job opportunities.
- Obstetric delivery services challenges with provider coverage and reduced volume of deliveries.
- Significant infrastructure concerns regarding Internet accessibility.
- Challenges with available and affordable housing.

Wisconsin's Schools

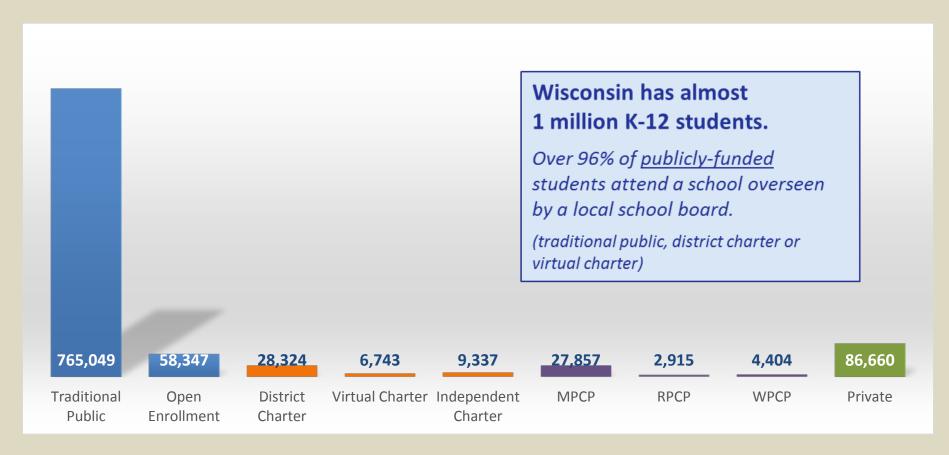
- *Racial & ethnic composition
- Free & reduced lunch program
- Declining student population
- School funding issues
- Future enrollment by location







2017/18 Statewide Enrollment by Sector



Wisconsin Education Landscape: 2017-19 State Budget Overview

Tom McCarthy, Communication Director

Wisconsin's Schools More Diverse

12%



of Wisconsin's total population identified as a person of color.

(2013 U.S. Census)

*Nationally, 38% identify as people of color



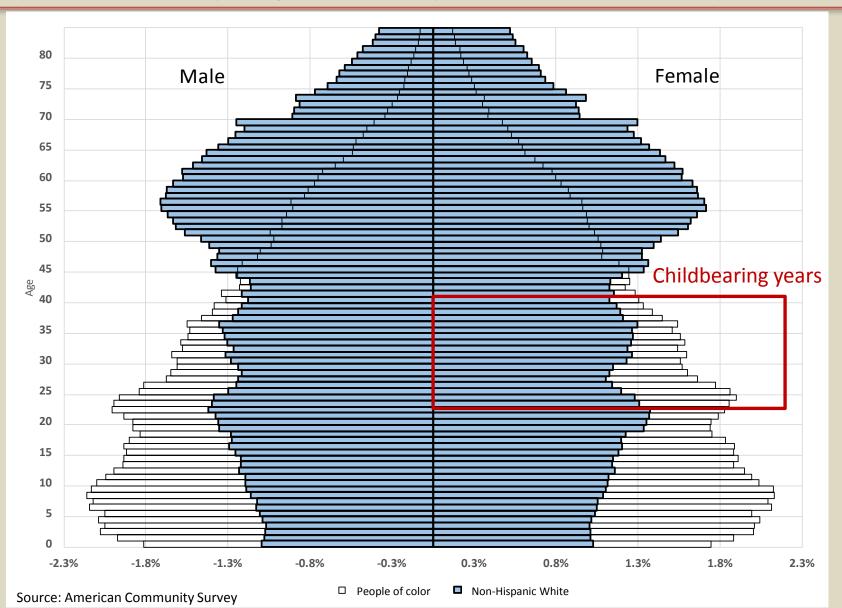
of Wisconsin's public school point identified as students of color. of Wisconsin's public school population

*Nationally, 49% identify as students of color

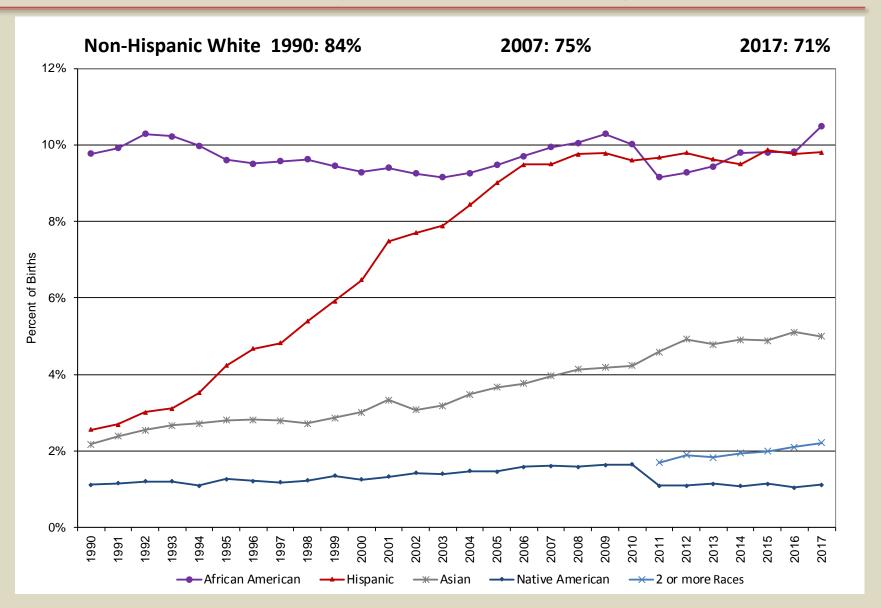
Wisconsin Education Landscape: 2017-19 State Budget Overview

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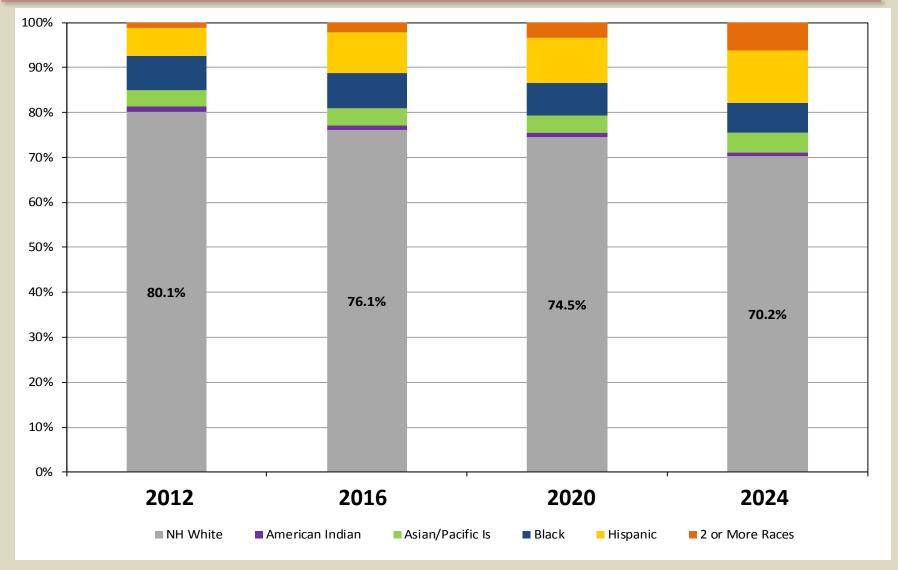
Population by Age and by Race/Ethnicity



Wisconsin Births by Race/Ethnicity



High School Graduates by Race/Ethnicity



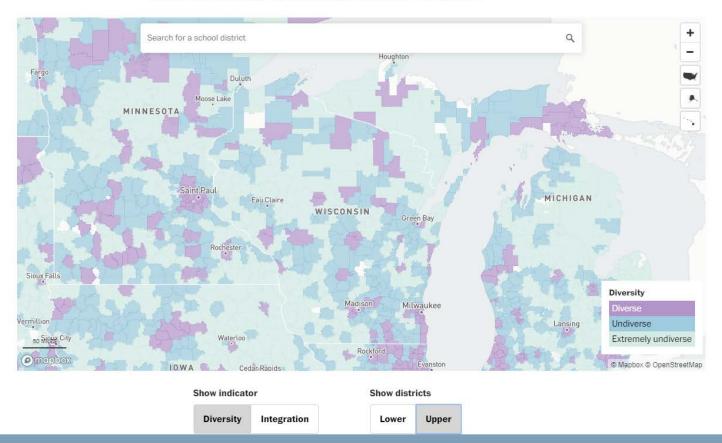
Source: Projections for Wisconsin High School Graduates, 2016/17-2025/26

Racial & Ethnic Diversity by School District

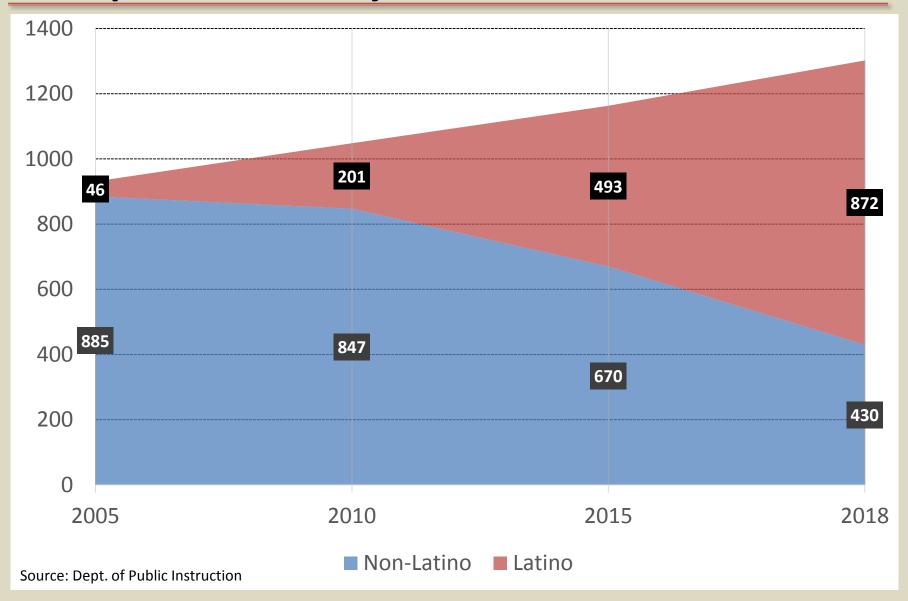
https://www.washingtonpost.com/graphics/2019/local/school-diversity-data/

Explore your school district

Find out the overall racial makeup of your school district and how well that's mirrored in individual schools. The map currently shows the diversity of school districts. Use the toggle underneath the map to view integration.



Arcadia School District Enrollment Trempealeau County, 2005 - 2018



Challenges facing Wisconsin Rural Schools

A Perfect Storm

Declining enrollment, increasing student poverty and rising operational costs are putting pressures on rural schools

Sarah Kemp



n Wisconsin, aging population and declining births have meant a decrease in rural school district enrollment.

In addition to declining enrollment, poverty increased during the recession of the late 2000s, especially among children. This increase is evident by the increasing number of students qualifying for free or reduced-price lunch.

Meanwhile, fixed costs like transportation and food services have increased. Many rural school districts resoonded by cutting variable costs including instruction and support staff and by delaying facility

Faced with these challenges, rural school districts have been placed in a perilous situation. As a researcher at the University of Wisconsin-Madison's Applied Population Laboratory, I have been exploring these trends including enrollment decline, increasing costs and rising powerty, and their effects on neral schools.

Enrollment, Costs, and Poverty Of the trends mentioned above, rural schools have been hit especially hard.

The study analyzed Department of Public In (DPE) for the 2008-09 at 2013-14 school years an on three data sources of mental concern: change ment, change in costs pe change in free and reduc lunch eligibility.

Over this live year pe statewide student enroll declined by 0.43 percent enrollment change has a town, urban and suburb differently, Enrollment is for 65 percent of urban

Series: Challenges To Wisconsin's Rural Schools

Wisconsin's Rural Schools Are Getting Squeezed By Student Loss

The Connection Between Declining Enrollment And Revenue Limits

Sarah Kemp, UW Applied Population Lab

Graphics: Caitlin McKown, UW Applied Population Lab

Aug. 16, 2018 | 2 p.m.

Faced with multiple challer rural school districts have been pla in a perilous situa









Student Decline

Almost **65%** of Wisconsin's school districts experienced declining enrollment in thirteen years.

Rural schools are declining the most compared to other areas.

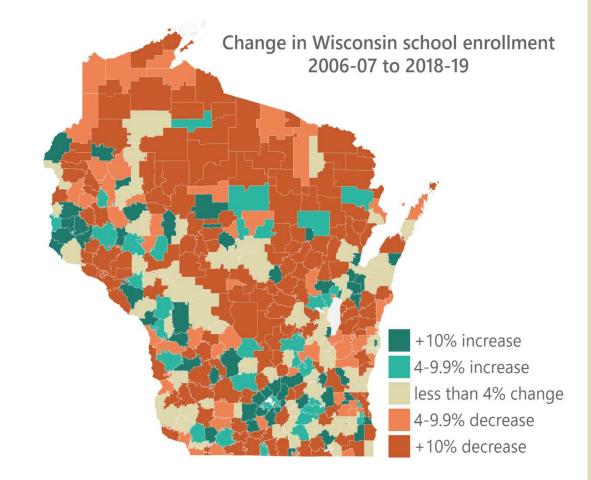
% of districts that declined:

Rural - 75%

Urban - 67%

Town - 57%

Suburban - 46%



Source: WI Department of Public Instruction



School District Costs



Free and Reduced Lunch Participation

Free and Reduced Lunch program is a proxy for measuring poverty.

Higher percentage of participation in southwest and northern districts as well as urban districts.

Students eligible for F/R lunch:

Urban - 57%

Rural - 42%

Town- 40%

Suburban - 24%

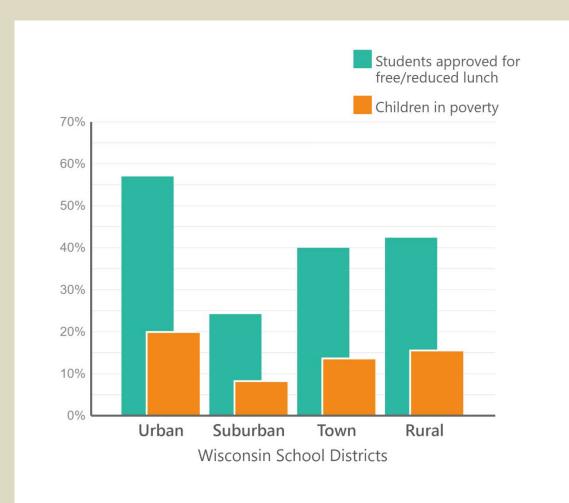
Children living below poverty level:

Urban - 20%

Rural - 15%

Town - 13%

Suburban - 8%



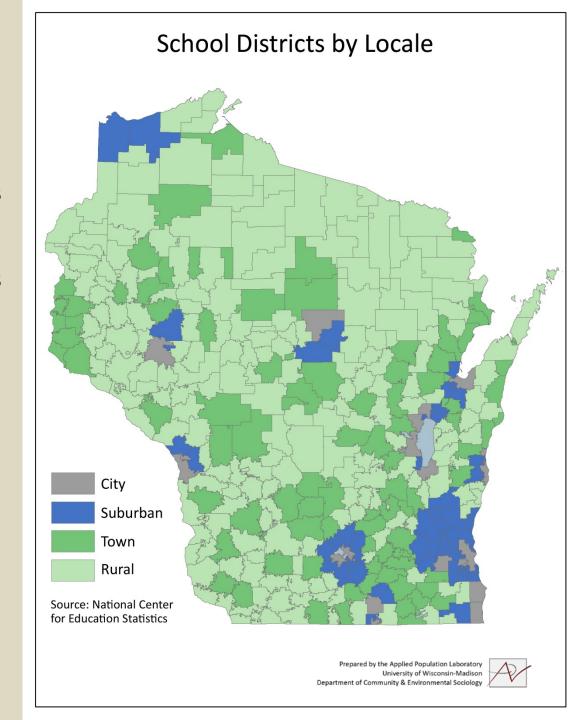
Source: WI Department of Public Instruction



School District Classifications

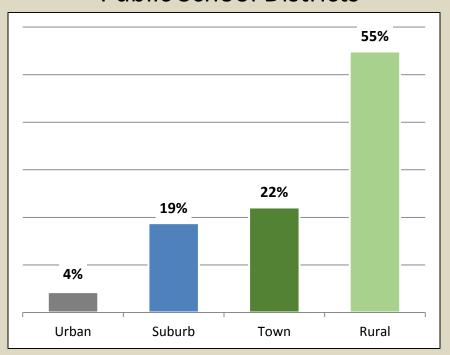
U.S. Department of Education, National Center for Education Statistics Common Core of Data, 2012-13

The urban-centric locale code classifies districts into four major types: city, suburban, town, and rural.

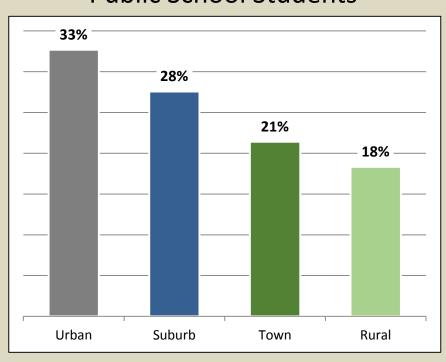


Districts and Enrollment by Location

Public School Districts



Public School Students



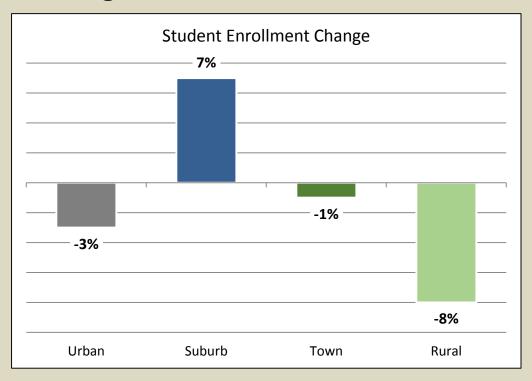
Source: WI Department of Public Instruction



Enrollment Change in Public Schools

District	Change
Racine	-22.0%
Milwaukee	-20.0%
La Crosse	-8.3%
Beloit	-6.6%
Wausau	-6.2%
West Allis	-6.1%
Fond du Lac	-5.9%
Waukesha	-5.7%
Kenosha	-4.0%
Janesville	-3.6%
Oshkosh	-3.1%
Sheboygan	-0.3%
Green Bay	2.6%
Eau Claire	4.3%
Neenah	6.3%
Appleton	7.4%
Madison	8.5%
Onalaska	8.8%

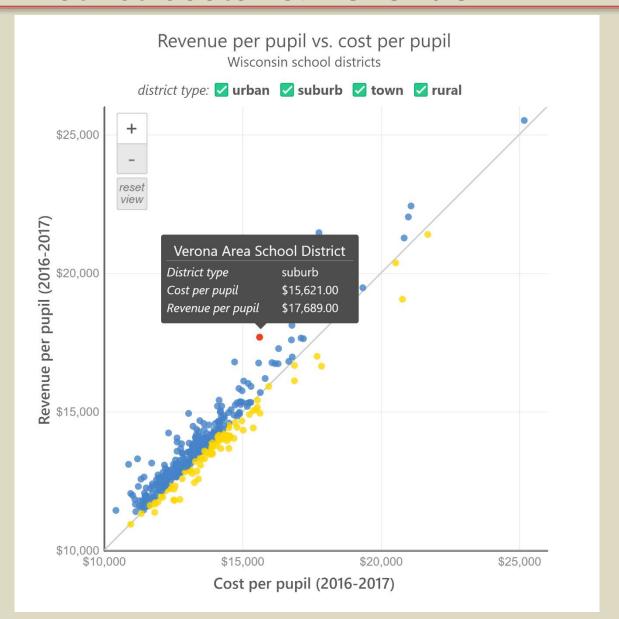
Change from 2006/07 to 2018/19



Source: WI Department of Public Instruction

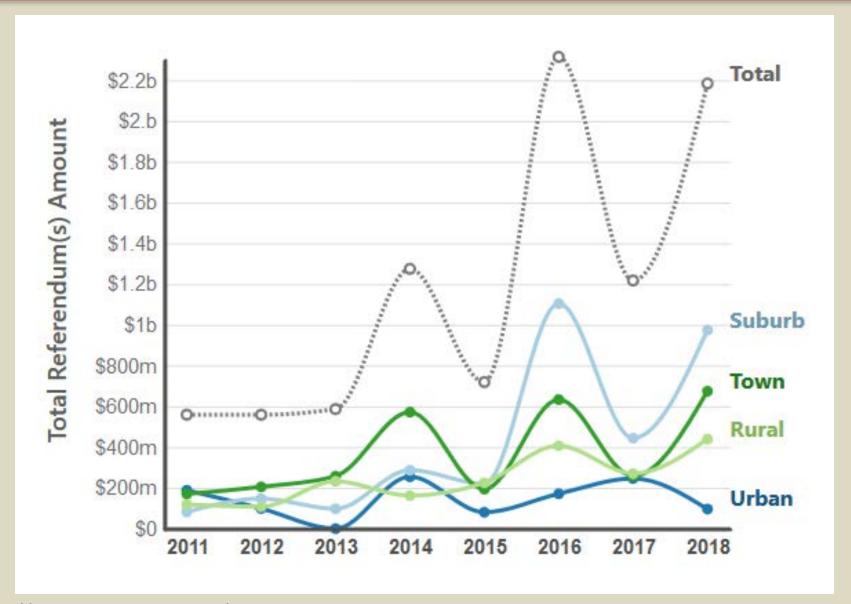


School District Costs vs. Revenue



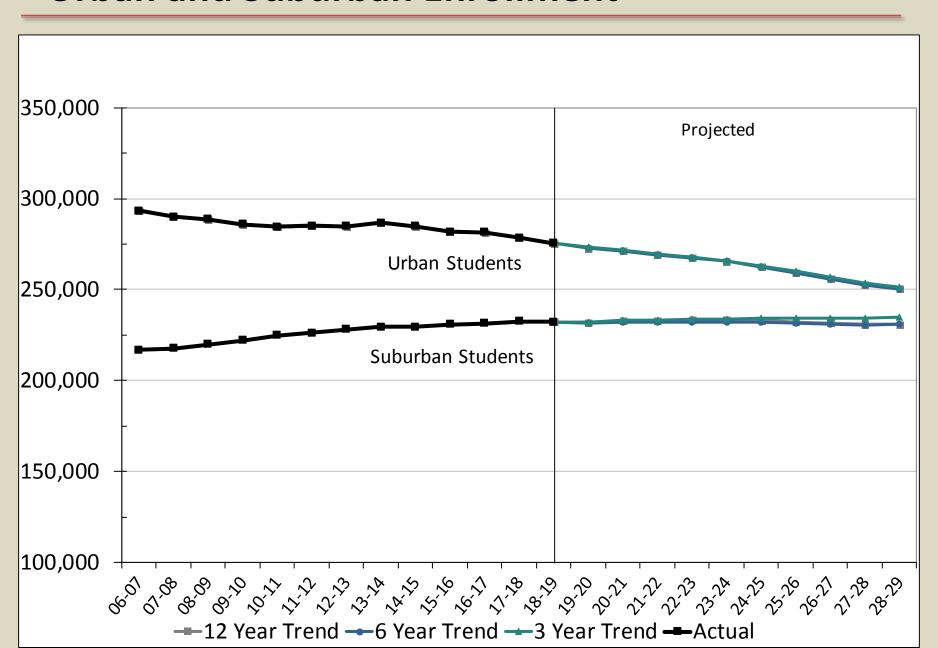
https://www.wiscontext.org/wisconsins-rural-schools-are-getting-squeezed-student-loss

School District Referendums

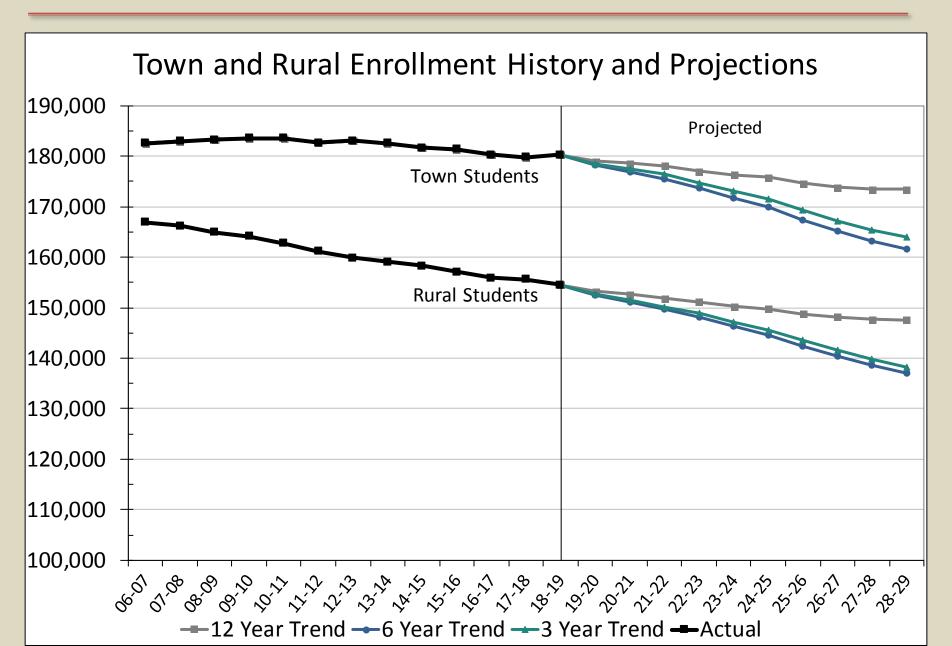


https://www.wiscontext.org/shifts-student-numbers-help-drive-school-referendums-across-wisconsin

Urban and Suburban Enrollment



Town and Rural Enrollment



Observations about public school districts

- Student population has become more racially and ethnically diverse.
- Free & reduced lunch participation and school costs have increased over time.
- In the last 13 years, public school students have declined (except students in suburban districts).
- Declining enrollment means declining funding.
- Urban, town, and rural student population will likely decline while suburban students will remain steady.

Wisconsin's public schools and communities

- Current trends in rural areas make it difficult to compete with cities where:
 - 1. Lower wages and seasonal jobs are prevalent.
 - 2. A need to improve infrastructure (broadband).
- Rural areas are less diverse than cities, but increasing students of color, especially Latinx students, will:
 - 1. Help mitigate population decline.
 - 2. Impact on ELL and other school resources.
- Declining number of students and young adults in rural areas will:
 - 1. Impact school districts (funding & school resources).
 - 2. Impact employers (employee shortage).





THANK YOU!

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