



Data for Community Broadband Planning

August 7, 2023

Matt Kures

Economic Development Administration University Center

Community Development Institute

UW-Madison Division of Extension



Data for Community Broadband Planning

1. Broadband Availability
2. Covered Populations
3. Community, Economic and Workforce Development



WHAT'S ON THE NATIONAL BROADBAND MAP?

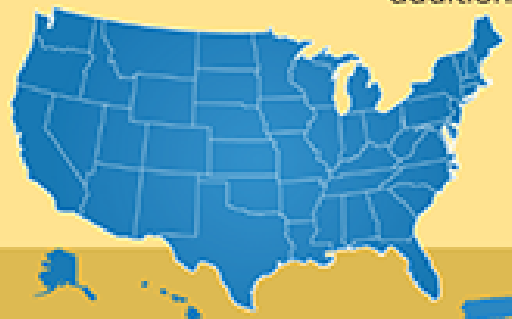
The National Broadband Map consists of 2 datasets, both of which can be challenged:

FABRIC LOCATIONS

- **What is it?**
 - The Fabric is a dataset of all locations in the United States and Territories where fixed broadband internet access service is or could be installed.
- **Who creates it?**
 - The Fabric is developed by CostQuest in consultation with the FCC and in accordance with FCC rules.
- **Challenges and updates timeline?**
 - The Fabric is updated twice per year.
 - For the best opportunity for challenges to be included in version 4 of the Fabric, challenges should be submitted by September 8, 2023.
- **What's on the current map?**
 - Version 2 of the Fabric is the base of the current map. Version 3 of the Fabric is available to license holders to submit challenges, and for ISPs to submit their updated availability data.

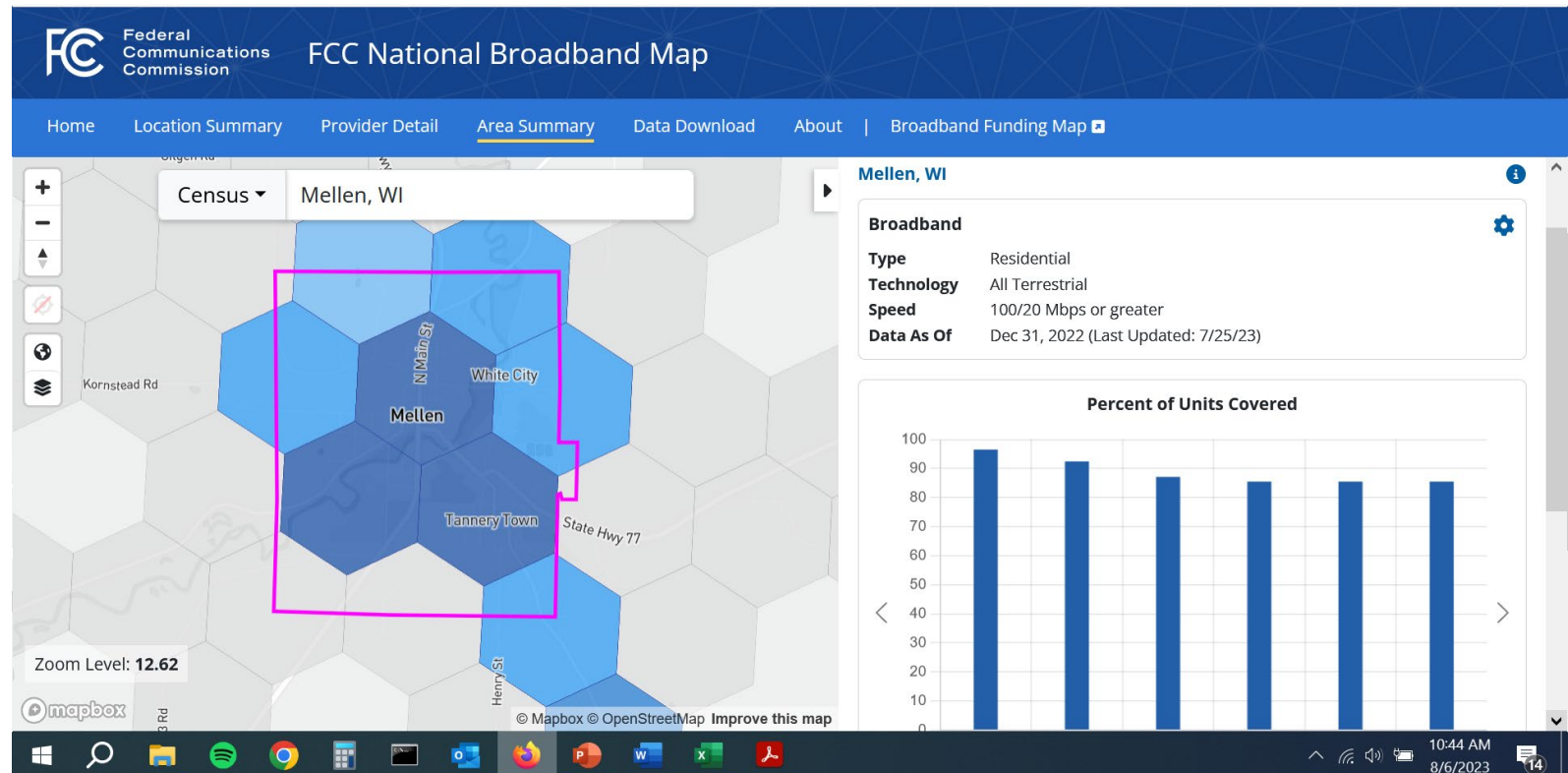
BROADBAND AVAILABILITY

- **What is it?**
 - Broadband availability data shows what broadband services, if any, are available at locations included in the Fabric, as reported by internet service providers every 6 months.
- **Who creates it?**
 - Internet service providers report their availability data to the FCC every 6 months.
- **Challenges and updates timeline?**
 - Broadband availability data is updated consistently over time as challenges are resolved.
 - Challenges are accepted and resolved on a rolling and ongoing basis.
- **What's on the current map?**
 - The map shows availability data as-of December 31, 2022 and reflects resolved availability challenges. The map will be updated regularly as additional challenges are resolved.



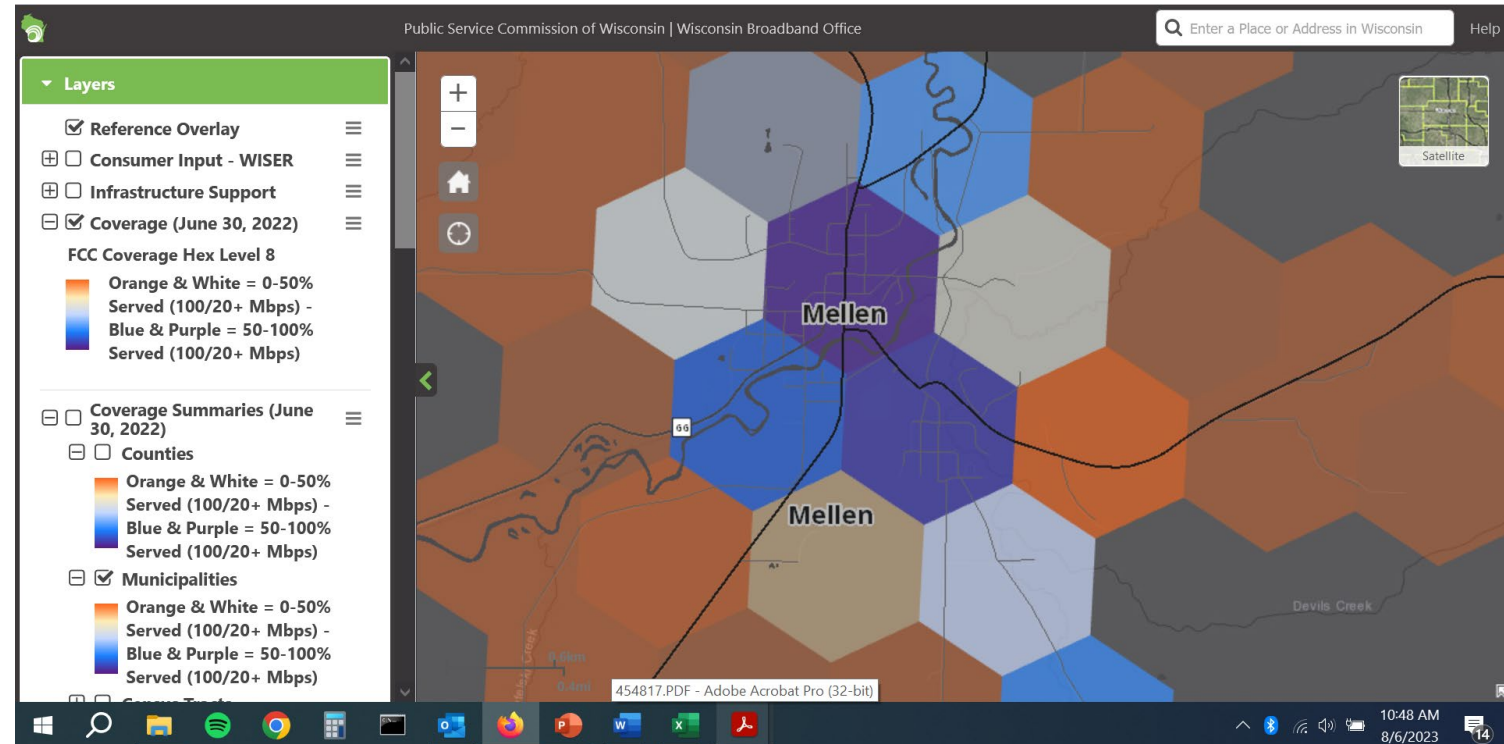
Federal Communications Commission National Broadband Map - <https://broadbandmap.fcc.gov/home>

- Summarizes coverage by States, Counties, Congressional Districts, Census Places, Tribal Areas and Metro Areas (Does not include Towns, School Districts or other geographies that may be involved in broadband planning);
- Allows users to check (and challenge) availability at an address;
- Ability to filter access by speed, technology and year;
- Summarizes and visualizes data using the H3 Hexagonal Grid System – Great for indexing and spatial analysis; However, visualizations suffer from the Modifiable Areal Unit Problem (Scale Dependent);



Wisconsin Broadband Planning Map (Beta) – Wisconsin Broadband Office, Public Service Commission of Wisconsin <https://maps.psc.wi.gov/apps/WisconsinBroadbandPlanningMap/>

- Similar to the national broadband map, depicts access using the Federal Communications Commission's (FCC) Broadband Data Collection;
- In addition to H3 Hexagons, visualizes connectivity summaries by standard geographies;
- Depicts areas where broadband expansion funding has already been committed;
- Includes summary map layers from internet speed tests;
- Additional information on individual provider service areas;
- Allows maps to be exported/printed;
- Many other resources are available through the PSC Broadband Office.



Digital Equity Act - Covered Populations

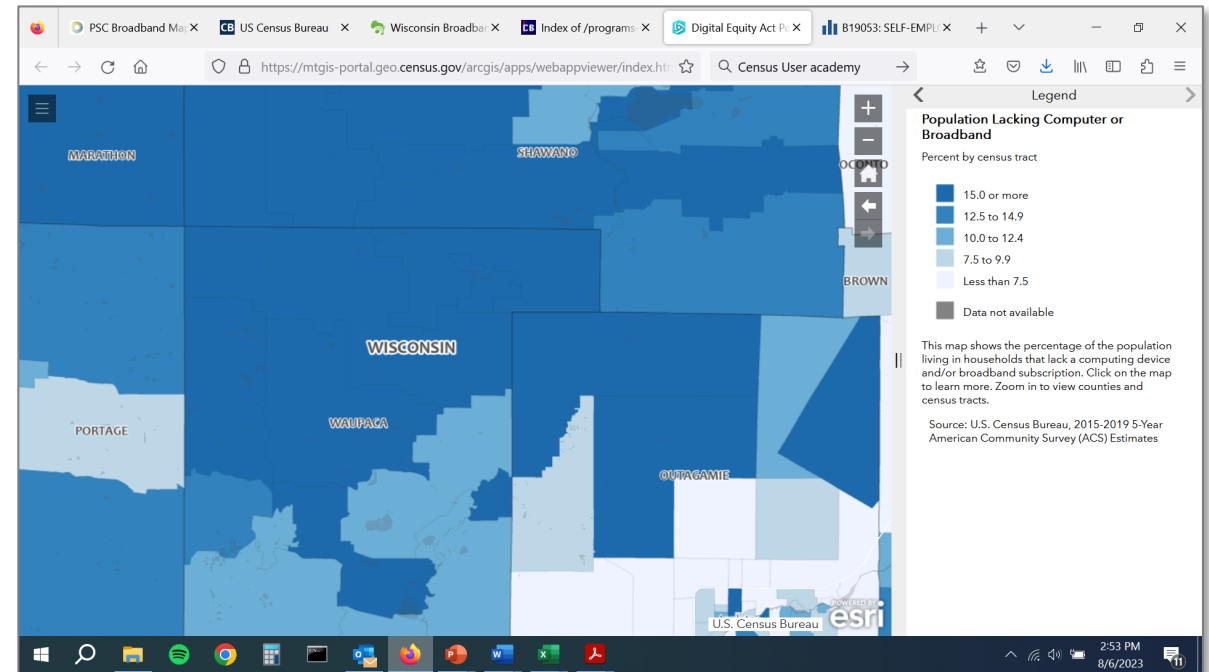
Covered Populations, as defined by the Digital Equity Act of 2021, have historically experienced lower rates of computer and internet use.

The covered populations named in the legislation include:

- Households with incomes below 150% of the federal poverty level;
- Aging individuals, 60 years of age or older;
- Incarcerated individuals except those in Federal correctional facilities;
- Veterans;
- Individuals with disabilities;
- Individuals with a language barrier, including English learners and those with low levels of literacy;
- Members of racial or ethnic minority groups;
- Individuals who primarily reside in a rural area;

Covered Population Data from the Census Bureau and NTIA

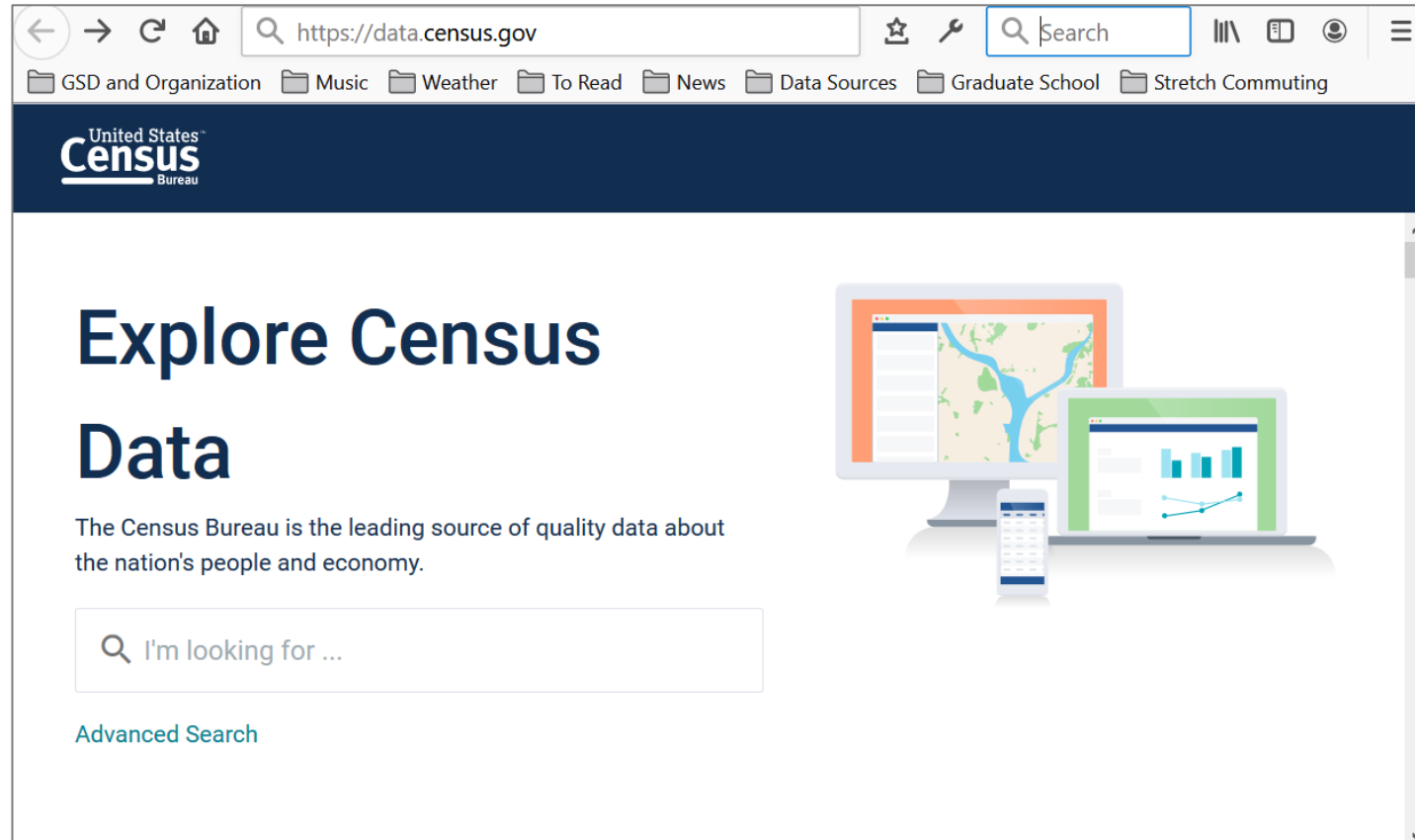
- Covered Population data from the Census Bureau/NTIA rely on specific definitions and data methodologies to produce the county and tract estimates: [https://www2.census.gov/programs-surveys/demo/technical-documentation/community-resilience/total covered populations quick guide.pdf](https://www2.census.gov/programs-surveys/demo/technical-documentation/community-resilience/total_covered_populations_quick_guide.pdf)
- Most of the data are derived from the Census Bureau's 2015-2019 American Community Survey;
- Census/NTIA Covered Population Data are available through a Population Viewer and summary files at the county and census tract level: <https://www.census.gov/programs-surveys/community-resilience-estimates/partnerships/ntia/digital-equity.html>
- In addition to Covered Population estimates, data include information on broadband and device usage/availability.



American Community Survey (ACS) and Decennial Census

Available at <https://data.census.gov/>

- Data on population and housing characteristics;
- Available by different geographic levels (county, place, census tract, school districts, etc.);
- Decennial Census Data and 1-Year and 5-Year Estimates through the ACS;
- ACS Estimates include margins of error;
- APIs are available for data extraction;
- Census Academy has many training resources: <https://www.census.gov/data/academy.html>



Covered Populations – Data Sources

Category/Definition	Sources
Households and individuals below poverty level	<ul style="list-style-type: none">• American Community Survey Table S1701 – <i>Poverty Status in the Last 12 Months</i>;• Small Area Income and Poverty Estimates (SAIPE) Program (https://www.census.gov/programs-surveys/saipe.html) ;
Aging individuals	<ul style="list-style-type: none">• American Community Survey Table S0101 – <i>Age and Sex</i>;• 2020 Decennial Census Table DP1 – <i>General Demographic Characteristics</i>;
Incarcerated individuals	<ul style="list-style-type: none">• American Community Survey Table S2603 - <i>Characteristics of the Group Quarters Population by Group Quarters Type</i>;• 2020 Decennial Census Table P18 - <i>Group Quarters Population by Sex By Age by Major Group Quarters Type</i>• Wisconsin Department of Corrections (https://doc.wi.gov/Pages/Home.aspx)• Federal Bureau of Prisons (https://www.bop.gov/)

Covered Populations – Data Sources

Category/Definition	Sources
Veterans	<ul style="list-style-type: none">American Community Survey Table S2101 - <i>Veteran Status</i>;
Individuals with disabilities;	<ul style="list-style-type: none">American Community Survey Table S1810 - <i>Disability Characteristics</i>;Aging and Disability Resource Centers (https://www.dhs.wisconsin.gov/adrc/consumer/index.htm)
Individuals with a language barrier, including English learners and those with low levels of literacy;	<ul style="list-style-type: none">American Community Survey Table S1601 - <i>Language Spoken At Home</i>American Community Survey Table B16001 - <i>Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over</i>PIAAC State and County Small Area Estimates of Adult Skills (https://nces.ed.gov/surveys/piaac/skillsmap)

Covered Populations – Data Sources

Category/Definition	Sources
Members of racial or ethnic minority groups	<ul style="list-style-type: none"><li data-bbox="894 311 2379 429">• Decennial Census Table DP1 - <i>Profile of General Population and Housing Characteristics</i><li data-bbox="894 475 2423 594">• American Community Survey Table DP05 - <i>ACS Demographic and Housing Estimates</i>
Rural population	<ul style="list-style-type: none"><li data-bbox="894 658 2028 704">• Decennial Census Table DP2 – <i>Urban and Rural</i>
Population without internet, broadband or computer/device	<ul style="list-style-type: none"><li data-bbox="894 858 2491 976">• American Community Survey Table S2801 - <i>Types Of Computers And Internet Subscriptions</i><li data-bbox="894 1022 2339 1140">• American Community Survey Table S2802 - <i>Types Of Internet Subscriptions By Selected Characteristics</i>

Why Should we Consider Economic and Labor Force Data for Community Broadband Planning?

Uses:

- Stimulate discussion;
- Identify potential partners and stakeholders;
- Affirm or challenge current perceptions;
- Identify local strengths and weaknesses;
- Recognize and prepare for change.

Considerations:

- Looking for patterns, not a single answer;
- More concerned with trends than precision;
- Focus more attention on comparing figures rather than ranking them.

There is a “story to be told” about the local economy, data can help us tell that story.



As broadband becomes increasingly ubiquitous, its availability will become less of a community or regional comparative advantage.

Instead, a community's ability to adopt and leverage broadband for community, economic and workforce development will provide the greatest advantage.

What Story do We Want to Tell?

What Types of Questions do we Want to Answer?

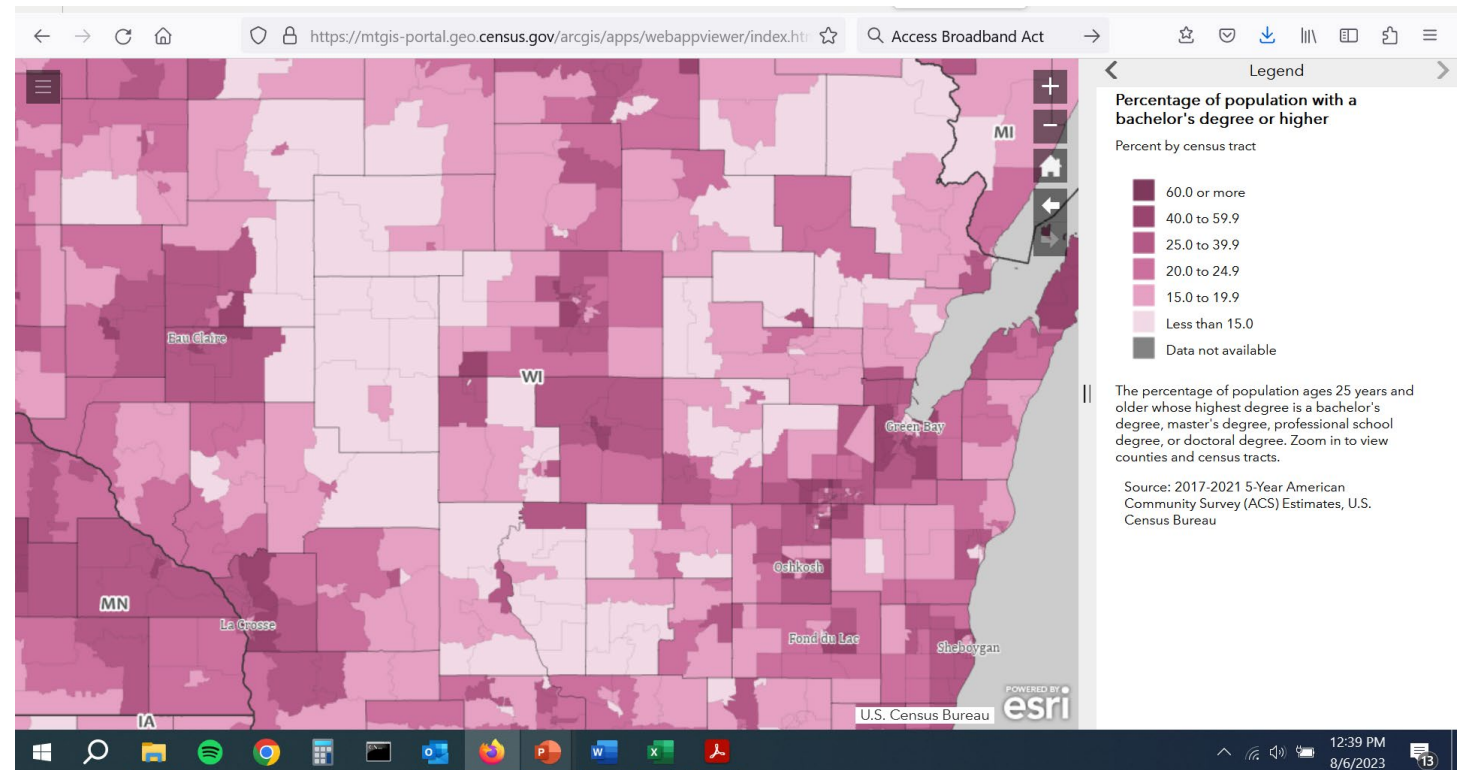
Census Bureau and NTIA ACCESS BROADBAND Dashboard

ACCESS BROADBAND Dashboard is intended for “policymakers and the public to assess how changes in broadband availability and adoption could influence local economies.”

<https://www.census.gov/programs-surveys/community-resilience-estimates/partnerships/ntia/broadband-act.html>

Includes indicators in map and table formats such as:

- Employment;
- Small business establishments;
- Wages and income;
- Poverty;
- Home values;
- Population change and migration;
- Educational attainment;
- Gross Domestic Product (GDP).



Bureau of Labor Statistics

<http://www.bls.gov>

- **Quarterly Census of Employment and Wages (ES-202)** – Data on employment, wages, location quotients, number of establishments by industry. Quarterly/Annual data by state and county starting with 1990. Figures are based on UI filings. Some data will be suppressed;
- **Unemployment Statistics (LAUS)** – Monthly/Annual figures for U.S., Wisconsin, counties, metropolitan/micropolitan areas, certain cities, etc.
- **Occupation Employment Statistics (OES)** – Distributions of occupations and wages for nation, state and metropolitan areas ;
- **Industry-Occupational Matrices** – National industry employment distributions by occupation (3, 4, and 5-digit NAICS codes)
- **Other State and National Data** (mass layoffs and plant closings, productivity, alternate measures of unemployment, labor participation, etc.)

WisConomy

<https://jobcenterofwisconsin.com/wisconomy/>

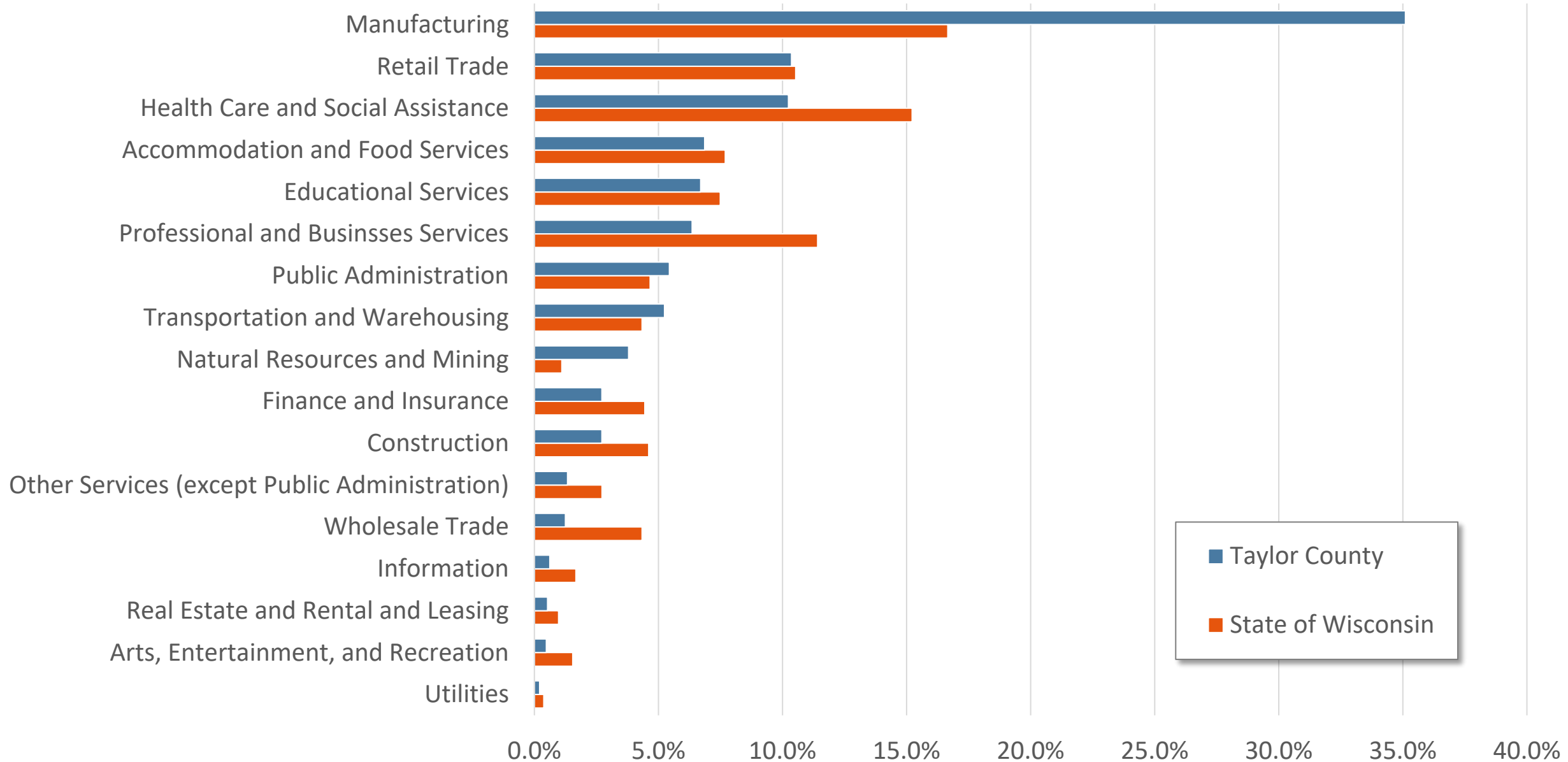
Quarterly Census of Employment and Wages (ES-202) – Data on employment, wages and number of establishments by industry. Quarterly/Annual data by state and county starting with 1990.

Unemployment Statistics (LAUS) – Monthly/Annual figures for U.S., Wisconsin, counties, metropolitan/micropolitan areas, certain cities, etc.

Occupation Employment Statistics (OES) – Distributions of occupations and wages.

The screenshot shows a web browser window displaying the WisConomy website. The browser's address bar shows the URL <https://jobcenterofwisconsin.com/wisconomy/>. The website header includes the logo for the State of Wisconsin Department of Workforce Development (DWD) and the WisConomy logo. Navigation links include "MyLMI", "Online Workshops", "Resources", and "Help". A "Login" button and a "Create a Logon" link are visible. The main navigation bar contains "Home", "Employers", "Job Seekers", and "Featured Industries". The central content area features a "Wisconsin LMI Data Access" section with a search bar and a "Search Saved Results" button. Below this, there are three prominent buttons: "Data Search", "Create Visualization", and "Saved Searches". A sidebar on the left contains social media icons for Twitter, Facebook, RSS, and Email.

Wage and Salary Employment by Industry Sector (2021 Annual Average, Percent of Total Employment)



Data Axle Available through WisConomy

Area	Business Name	Industry	Business Description	Employee Size Range	Address
Chippewa County	Bauman Construction-Chippewa	236115 - New SingleFam Home Const (Exc For-Sale Bldrs)	General Contractors	20-49	Chippewa Fal WI
Chippewa County	Bartingale Mechanical Inc	238210 - Electrical Contractors and Other Wiring Installation Contractors	Mechanical Contractors	20-49	Eau Claire WI
Chippewa County	Bohl & Proulx Plumbing Inc	238220 - Plumbing, Heating, and Air-Conditioning Contractors	Plumbing Contractors	10-19	Chippewa Fal WI
Chippewa County	H G Meigs LLC	237310 - Highway, Street, and Bridge Construction	Asphalt & Asphalt Products	1-4	Eau Claire WI
Chippewa County	A1 Excavating Inc	238910 - Site Preparation Contractors	Excavating Contractors	100-249	Bloomer WI
Chippewa County	Geissler Plumbing Inc	238220 - Plumbing, Heating, and Air-Conditioning Contractors	Heating Contractors	10-19	Bloomer WI
Chippewa County	Tri-City Concrete Contrs Inc	238110 - Poured Concrete Foundation and Structure Contractors	Concrete Contractors	10-19	Bloomer WI
Chippewa County	Mc Quillan Plumbing	238220 - Plumbing, Heating, and Air-Conditioning Contractors	Plumbing Contractors	1-4	Boyd WI
Chippewa County	Area Electric Inc	238210 - Electrical Contractors and Other Wiring Installation Contractors	Electric Contractors	5-9	Chippewa Fal WI

Go Back



Bureau of Economic Analysis

<https://www.bea.gov/data/income-saving/personal-income-county-metro-and-other-areas>

- Employment, income, population, gross domestic product, etc.;
- County datasets are available for the entire nation starting in 1969;
- Also includes state, metro/non-metro and national level data;
- Resource for proprietor and farm employment.

The screenshot displays the BEA website's interface for the 'Personal Income by County, Metro, and Other Areas' section. At the top, there is a navigation bar with links for 'Data', 'Tools', 'News', 'Research', 'Resources', 'About', and 'Help', along with a search box. The main heading is 'Personal Income by County, Metro, and Other Areas'. Below this, a sub-heading reads 'Personal Income by County and Metropolitan Area, 2020'. A text block provides a summary: 'In 2020, personal income increased in 3,040 counties, decreased in 69, and was unchanged in 3. Personal income increased 6.4 percent in the metropolitan portion of the United States and increased 7.6 percent in the nonmetropolitan portion. Personal income estimates were impacted by the response to the spread of COVID-19, as governments issued and lifted "stay-at-home" orders. The full economic effects of the COVID-19 pandemic cannot be quantified in the local area personal income estimates, because the impacts are generally embedded in source data and cannot be separately identified.' To the right of this text is a map of the United States titled 'Personal Income: Percent Change for Counties, 2019-2020', with a legend indicating color-coded growth rates: 10.7% to 21.0%, 7.0% to 10.0%, 5.0% to 7.0%, and -0.0% to 5.0%. Below the map is a 'Current Release' button and a 'Note on Per Capita Personal Income'. Further down, there is a 'Current Release' section with a list of links: 'Personal Income by County and Metropolitan Area, 2020', 'Full Release & County Table', 'County Table', 'Metropolitan Area Table', 'Highlights', and 'Interactive Tables'. Below this list are buttons for 'Interactive Data', 'Supplemental Information and Additional Data', and 'Documentation'. On the right side, there is a 'What is Personal Income by County, Metro, and Other Areas?' section with a definition of personal income and a 'Learn More' link. At the bottom right, there is a 'Contact Personnel' section for Paul Medzerian, with a phone number (301) 278-9264.

Proprietors and Business Ownership – Other Data Sources

Category/Definition	Sources
Self-Employment Income	<ul style="list-style-type: none">American Community Survey Table B19053: <i>Self-employment Income in the Past 12 Months for Households</i>
Business Formation Statistics	<ul style="list-style-type: none">U.S. Census Bureau - https://www.census.gov/econ/bfs/data.html
Non-Employer Statistics	<ul style="list-style-type: none">U.S. Census Bureau - https://www.census.gov/programs-surveys/nonemployer-statistics.html
Annual Business Survey and Non-Employment Statistics by Demographics (NES-D)	<ul style="list-style-type: none">Annual Business Survey - https://www.census.gov/programs-surveys/abs.htmlNon-Employment Statistics by Demographics https://www.census.gov/programs-surveys/abs/data/negd.html

Example of Nonemployer Statistics in Lincoln County, WI

An official website of the United States government [Here's how you know](#)

United States Census Bureau

NONEMP2019.NS1900NONEMP Advanced Search

All **Tables** Maps Pages Microdata Help FAQ Feedback

NS1900NONEMP | All Sectors: Nonemployer Statistics by Legal Form of Organization and Receipts Size Class for the U.S., States, and Selected Geographies: 2019

Results: Economic Surveys 2019: ECNSVY Nonemployer Statistics

Notes Geos Topics Codes Year Hide Filter Restore Excel CSV ZIP Share Print More Data Map

Geographic Area Name	2017 NAICS code	Meaning of NAICS code	Year	Number of nonemployer establis...	Nonemployer sales, value of shipments, or revenue (\$1,000)
Lincoln County, Wisconsin	00	Total for all sectors	2019	1,717	79,324
Lincoln County, Wisconsin	11	Agriculture, forestry, fishing and hunting	2019	123	5,703
Lincoln County, Wisconsin	21	Mining, quarrying, and oil and gas extr...	2019	3	75
Lincoln County, Wisconsin	23	Construction	2019	228	16,442
Lincoln County, Wisconsin	31-33	Manufacturing	2019	60	3,314
Lincoln County, Wisconsin	42	Wholesale trade	2019	39	3,369
Lincoln County, Wisconsin	44-45	Retail trade	2019	233	10,116
Lincoln County, Wisconsin	48-49	Transportation and warehousing	2019	91	8,852
Lincoln County, Wisconsin	51	Information	2019	14	380
Lincoln County, Wisconsin	52	Finance and insurance	2019	50	2,367
Lincoln County, Wisconsin	53	Real estate and rental and leasing	2019	151	9,957
Lincoln County, Wisconsin	54	Professional, scientific, and technical s...	2019	136	4,413

1 to 18 of 18 Page 1 of 1

9:14 AM 8/7/2023

Using Workforce Data to Inform Other Strategies

Examples of Strategies:

- Talent attraction and retention initiatives;
- Assisting in the creation of career pathways and DACUMs;
- Creating opportunities for individuals facing barriers to employment (childcare, dislocated workers, veterans, etc.);
- Developing phased retirement programs and non-traditional schedules (flexible, seasonal, job sharing, etc.);
- Capital improvement funds;
- Automation/computerization investment and transition planning/training;
- Placemaking and amenity development;
- Housing development;
- Knowledge transfer and reverse mentoring.

Examples of Measures:

- Commuting Patterns;
- Population Growth and Churn;
- Age Structure;
- Mass Layoffs/Plant Closings
- Occupation;
- Educational Attainment;
- Labor Participation and Unemployment Rates;
- Turnover rates;
- Housing costs and availability;
- Skill Requirements;
- Wages.

Example of Occupation Data in the Green Bay Metro Area – Bureau of Labor Statistics

49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	detail	40	15.4%	0.254	1.06	\$19.29	\$20.40	\$42,440	3.1%
49-3093	Tire Repairers and Changers	detail	180	6.3%	1.064	1.57	\$16.60	\$16.78	\$34,910	1.5%
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	detail	80	12.2%	0.448	1.43	\$45.98	\$42.44	\$88,280	2.3%
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	detail	340	8.5%	2.037	0.80	\$28.77	\$29.92	\$62,230	2.9%
49-9041	Industrial Machinery Mechanics	detail	1,170	4.3%	6.933	2.66	\$29.34	\$29.06	\$60,450	0.7%
49-9043	Maintenance Workers, Machinery	detail	50	14.7%	0.290	0.68	\$28.00	\$27.42	\$57,030	4.1%
49-9044	Millwrights	detail	40	20.3%	0.232	0.84	\$30.46	\$31.65	\$65,830	4.1%
49-9051	Electrical Power-Line Installers and Repairers	detail	130	11.2%	0.771	0.95	\$48.41	\$44.67	\$92,910	1.5%
49-9052	Telecommunications Line Installers and Repairers	detail	120	17.0%	0.720	0.99	\$24.87	\$26.84	\$55,820	2.5%
49-9062	Medical Equipment Repairers	detail	50	24.7%	0.323	0.81	\$31.13	\$31.72	\$65,980	1.7%
49-9071	Maintenance and Repair Workers, General	detail	1,640	2.8%	9.767	0.97	\$22.34	\$22.47	\$46,750	1.1%
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	detail	50	14.2%	0.297	1.23	\$20.47	\$19.65	\$40,870	4.0%
49-9098	Helpers--Installation, Maintenance, and Repair Workers	detail	100	8.0%	0.584	0.92	\$12.22	\$13.51	\$28,100	2.5%
49-9099	Installation, Maintenance, and	detail	60	17.0%	0.384	0.33	\$22.86	\$24.62	\$51,200	5.6%



Occupational Information Network - O*NET OnLine

<http://www.onetonline.org>

The screenshot shows the O*NET OnLine website interface. At the top left is the O*NET logo. To its right is the text "O*NET OnLine". On the far right of the top bar is a search box labeled "Occupation Quick Search:". Below the top bar is a navigation menu with links for "Help", "Find Occupations", "Advanced Search", "Crosswalks", and "O*NET Sites". The main content area features a large banner with a construction crane image and the text "Build your future with O*NET OnLine." Below this banner is a "What is O*NET?" button. To the right of the banner is a "What's New?" section with a "Learn More" button. Below the banner is an "Occupation Search" section with a search box labeled "Keyword or O*NET-SOC Code:". Below the search box are three columns: "Find Occupations" (with a magnifying glass icon), "Advanced Search" (with a wrench icon), and "Crosswalks" (with a person icon). To the right of these columns is a "green occupations" section with a green background and text about the green economy.

o.net **O*NET OnLine** Occupation Quick Search:

[Help](#) [Find Occupations](#) [Advanced Search](#) [Crosswalks](#) [O*NET Sites](#)

Build your future with O*NET OnLine.

Welcome to your tool for career exploration and job analysis!

O*NET OnLine has detailed descriptions of the world of work for use by job seekers, workforce development and HR professionals, students, researchers, and more!

[What is O*NET?](#)

What's New?

Search "Bright Outlook" occupations in OnLine.

[Learn More](#)

Get O*NET news by [email](#) or [RSS](#).

I want to be a...

Start the career you've dreamed about, or find one you never imagined.

[Find It Now at My Next Move](#)

Occupation Search

Keyword or O*NET-SOC Code:

Find Occupations

Browse groups of similar occupations to explore careers. Choose from industry, field of work, science area, and more.

Advanced Search

Focus on occupations that use a specific tool or software. Explore occupations that need your skills.

Crosswalks

Connect to a wealth of O*NET data. Enter a code or title from another classification to find the related O*NET-SOC occupation.

green occupations

The green economy is changing tasks, skills, and jobs across the country. Discover important information for over 100 occupations going green.

O*NET Telecommunication Occupation Examples

20 occupations shown

How do they match?

Code	Occupation
15-1241.01	Telecommunications Engineering Specialists
49-9052.00	Telecommunications Line Installers and Repairers ☀️ Bright Outlook
49-2022.00	Telecommunications Equipment Installers and Repairers, Except Line Installers ☀️
49-2021.00	Radio, Cellular, and Tower Equipment Installers and Repairers
17-2072.00	Electronics Engineers, Except Computer
43-5031.00	Public Safety Telecommunicators
15-1231.00	Computer Network Support Specialists
15-1241.00	Computer Network Architects
15-1244.00	Network and Computer Systems Administrators
17-2061.00	Computer Hardware Engineers
43-2011.00	Switchboard Operators, Including Answering Service
43-2021.00	Telephone Operators
49-1011.00	First-Line Supervisors of Mechanics, Installers, and Repairers
17-2071.00	Electrical Engineers

O*NET Occupation Specific Information


Help ▾ Find Occupations ▾ Advanced Searches ▾ O*NET Data ▾ Crosswalks ▾

Share ▾ Sites ▾

Telecommunications Equipment Installers and Repairers, Except Line Installers

49-2022.00

 Bright Outlook

 Updated 2023


Install, set up, rearrange, or remove switching, distribution, routing, and dialing equipment used in central offices or headends. Service or repair telephone, cable television, Internet, and other communications equipment on customers' property. May install communications equipment or communications wiring in buildings.

Sample of reported job titles: Broadband Technician, Central Office Technician, Combination Technician, Customer Service Technician (CST), Field Technician, Install and Repair Technician, Installer, Outside Plant Technician, Service Technician, Telecommunications Technician

Summary


Details

Custom

 Easy Read

 Veterans

 Español

 Contents ▾

Occupation-Specific Information

Overview

Tasks

Technology Skills

Tools Used

Occupational Requirements

Work Activities

Worker Requirements

Skills

Knowledge

Education

Worker Characteristics

Abilities

Interests

Workforce Characteristics

Wages & Employment

Job Openings

More Information

Related Occupations

Additional Information

equipment to customers and explain its use, responding to any inquiries or

Census Bureau Local Employment Dynamics Quarterly Workforce Indicators (QWI)

<https://ledextract.ces.census.gov/qwi/all>

Quarterly Workforce Indicators -
Detailed county, WIA and MSA estimates of employment, earnings, gross job creation and destruction by detailed industry, gender and age of workers. (Currently through Q4 2022)

QWI avoids many of the data disclosure problems associated with other data sets. However, it does so by introducing noise (distortions) into the data.

Longitudinal Employer-Household I x LED Extraction Tool x +

← → ↻ 🏠 🔒 <https://ledextract.ces.census.gov/qwi/all> ☆ 🔍 Search

📁 GSD and Organization 📁 Music 📁 Weather 📁 To Read 📁 News 📁 GIScience 📁 Data Sources 📁 COVID 📁 Economic Mobility 📁 New Folder

🇺🇸 An official website of the United States government [Here's how you know](#) ▾

United States Census Bureau LED Extraction Tool > Quarterly Workforce Indicators (QWI) 🏠 LEHD Home 🗨️ Help and Documentation

1. Geography 2. Firm Characteristics 3. Worker Characteristics 4. Indicators 5. Quarters 6. Summary and Export

Geography Level ⓘ

Search: 🔍

United States

Alabama

Alaska

Arizona

Arkansas

California

Colorado

Connecticut

United States
States: 52

Geography Type

States

States ⓘ

Search: 🔍

Select All

00 National (50 States + DC)

01 Alabama

02 Alaska

04 Arizona

05 Arkansas

06 California

08 Colorado

09 Connecticut

Selections ⓘ

▼ **Geography** ⓘ Reset

▼ **States** 1 selected

Wisconsin 55

▼ **Firm Characteristics** ⓘ Reset

▼ **NAICS Sectors** 1 selected

All NAICS 00

▼ **Firm Ownership**

All Private Ownership A05

▼ **Worker Characteristics** ⓘ Reset

None

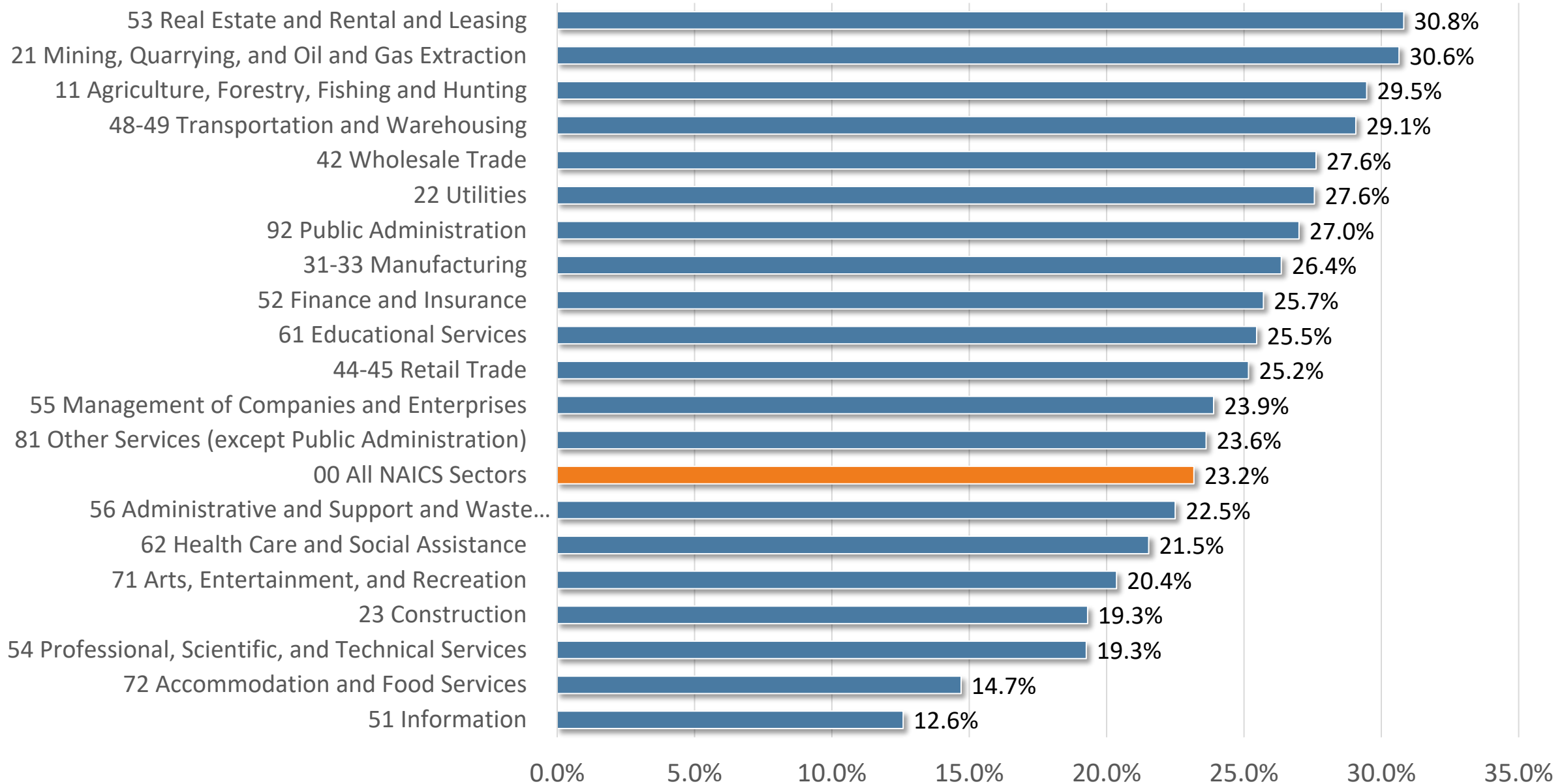
➡ Continue to Firm Characteristics 📁 Load Settings ⓘ 📁 Save Settings ⓘ

Accessibility | Information Quality | FOIA | Data Protection and Privacy Policy | U.S. Department of Commerce | Census Home
Source: U.S. Census Bureau, Center for Economic Studies, LEHD | e-mail: CES.QWI.Feedback@census.gov

9:51 AM
8/7/2023

Madison Region Employees Age 55 and Over by Industry Sector

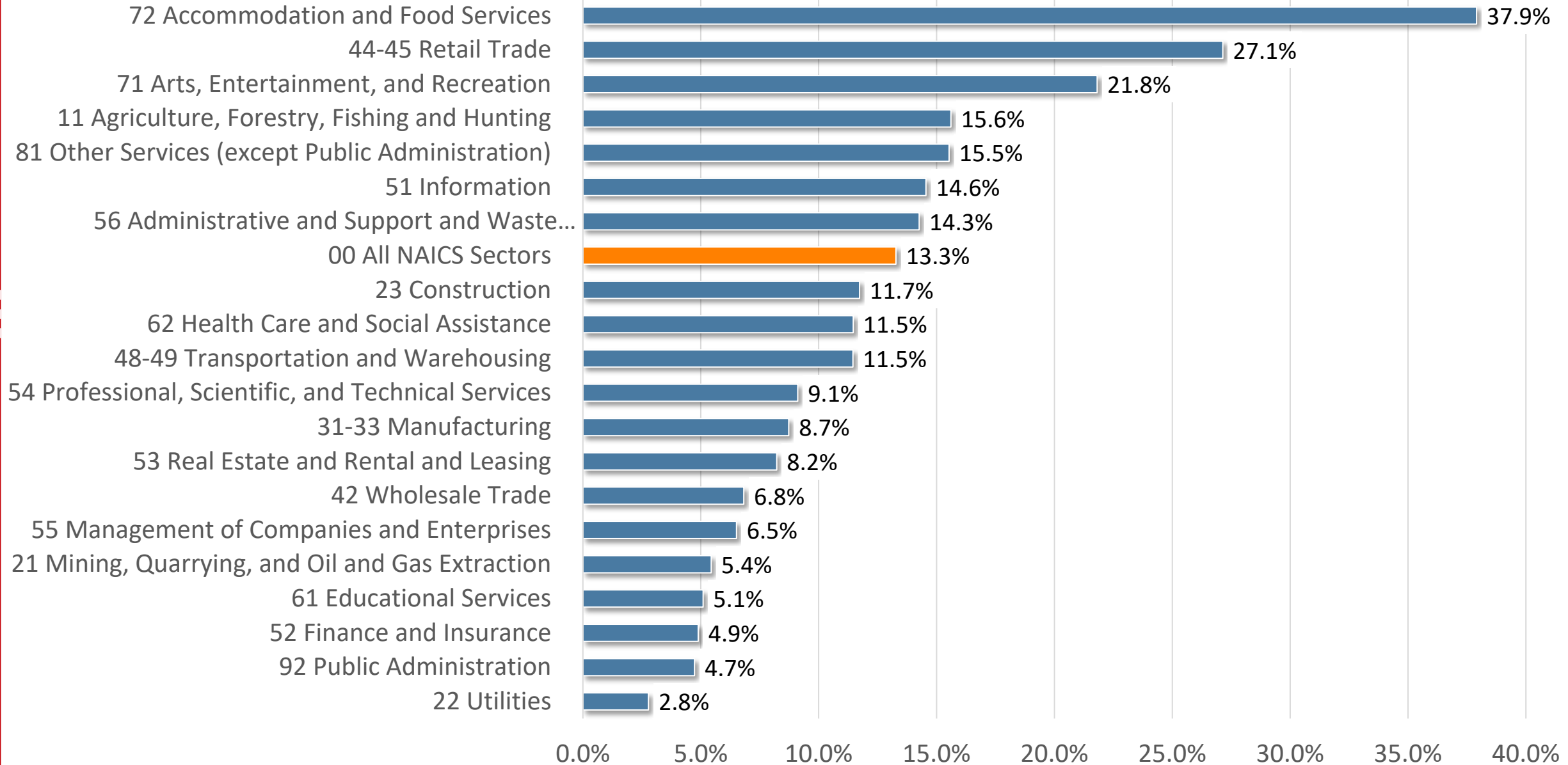
Percent of All Employees - Q2 2022



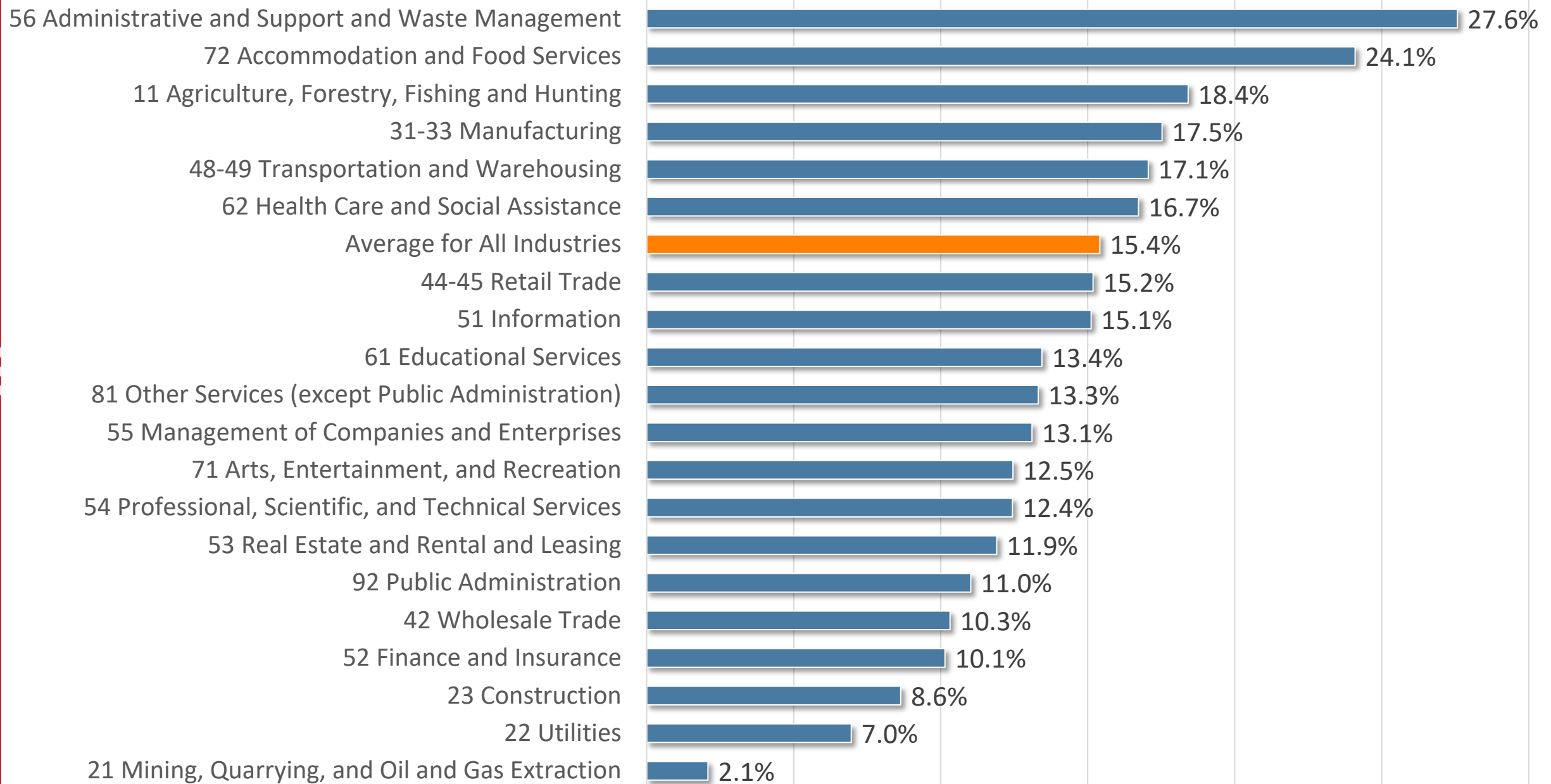
Thinking About Internships and Apprenticeships

Madison Region Employees Age 24 and Under by Industry Sector

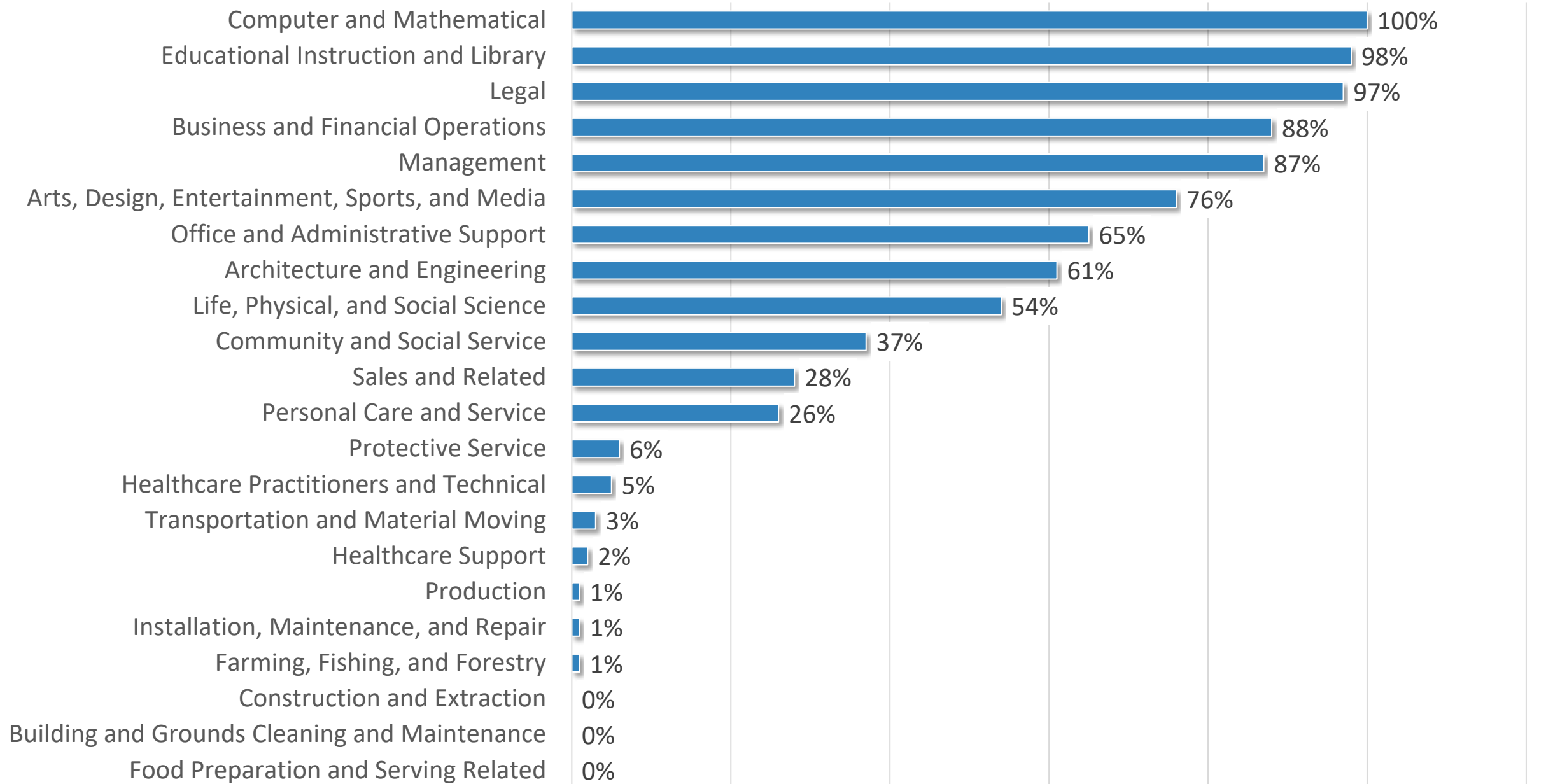
Percent of All Employees - Q2 2021



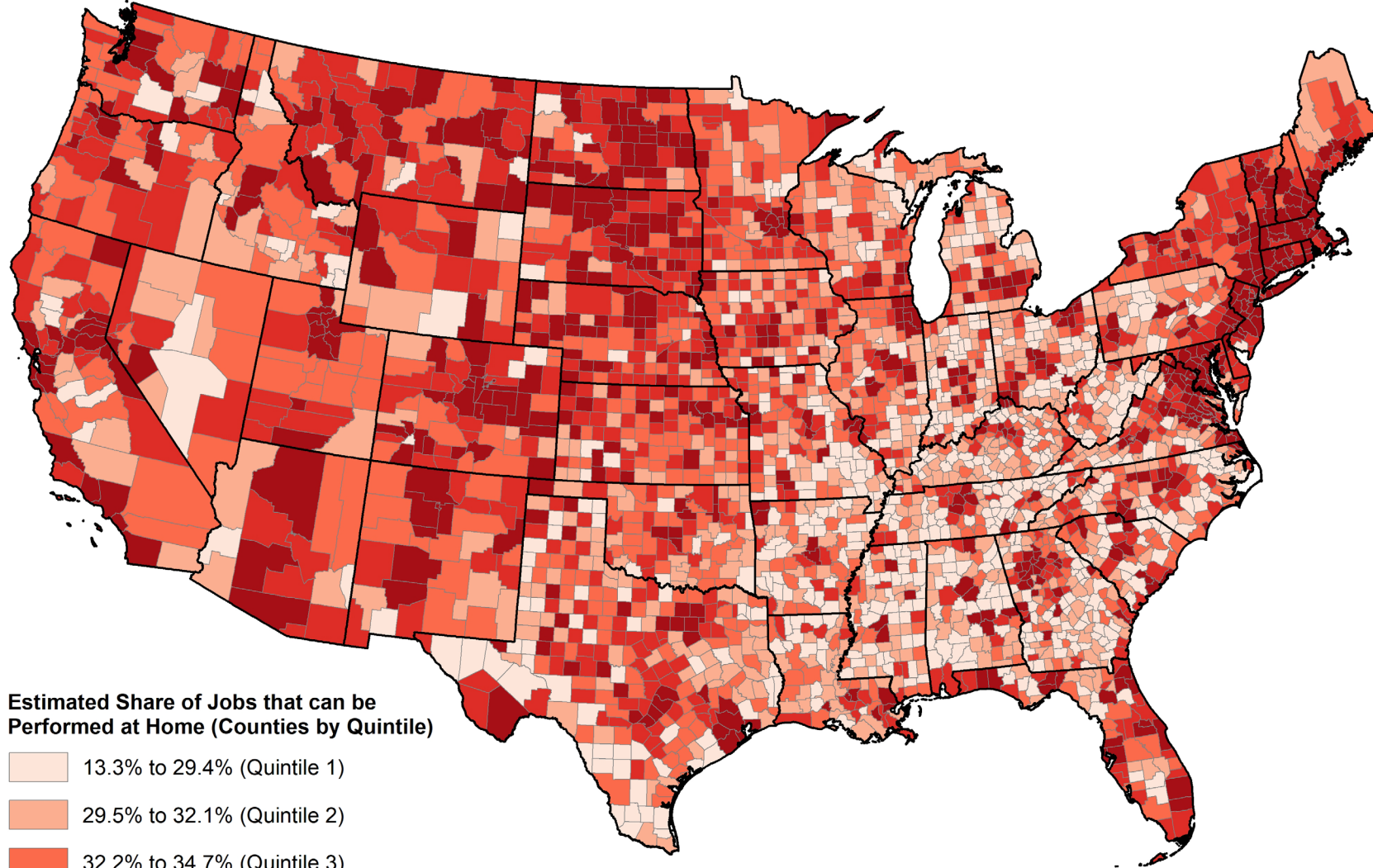
Madison Region Employees of Color by Industry – Percent of Total Employment Q2 2021








Percent of Jobs that can be Done from Home by Occupation



Percent of Workers with Occupations that can be Performed at Home *Share of Employed Population Age 16 and Over (2016-2020 5-Year Estimates)*



Estimated Share of Jobs that can be Performed at Home (Counties by Quintile)

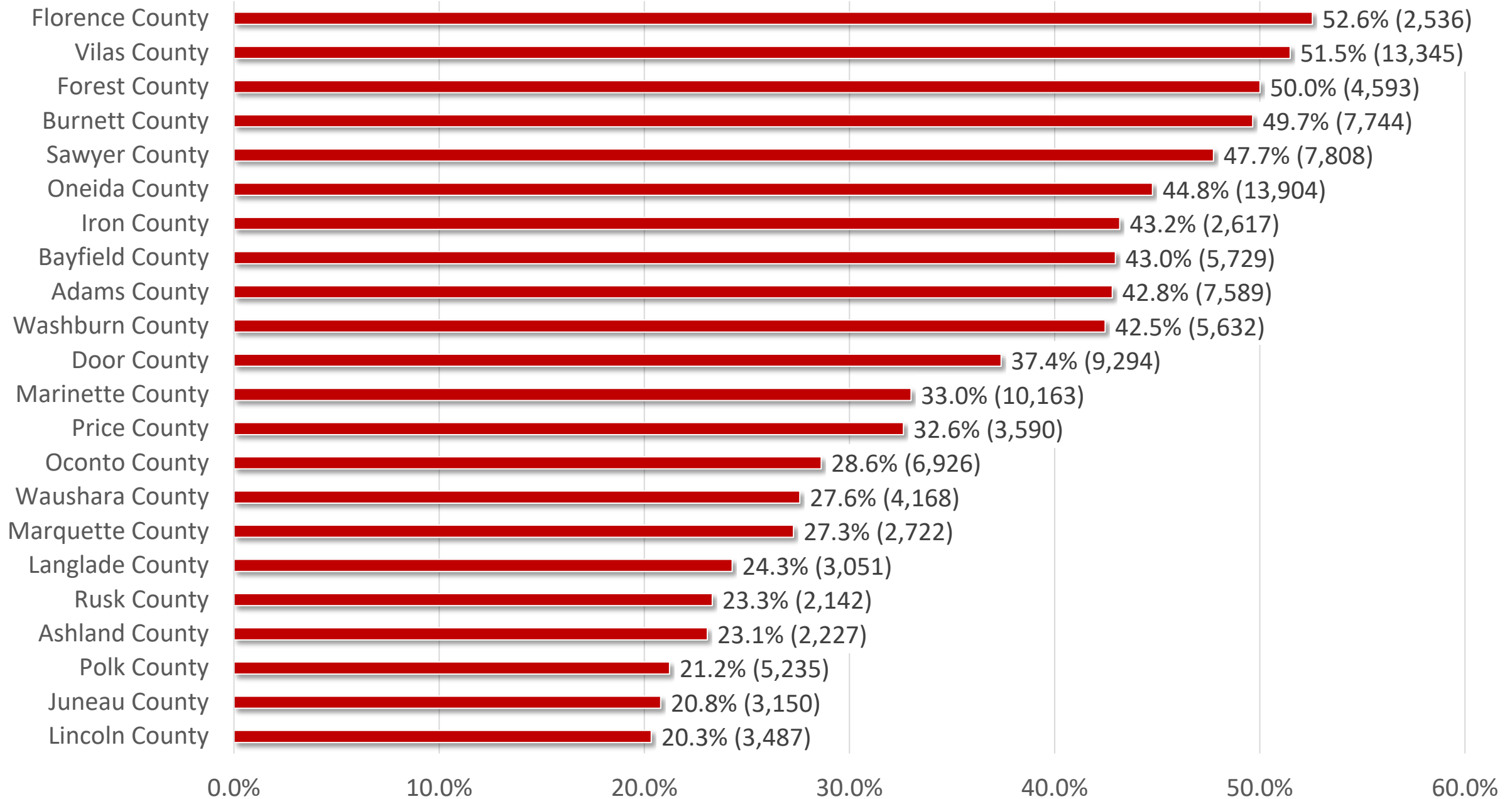
-  13.3% to 29.4% (Quintile 1)
-  29.5% to 32.1% (Quintile 2)
-  32.2% to 34.7% (Quintile 3)
-  34.8% to 38.5% (Quintile 4)
-  38.6% to 65.1% (Quintile 5)

Data Sources: 2016-2020 American Community Survey and Dingel and Nieman (2020)



Extension
UNIVERSITY OF WISCONSIN-MADISON

Seasonal and Recreational Housing Units as a Percent of All Housing Units

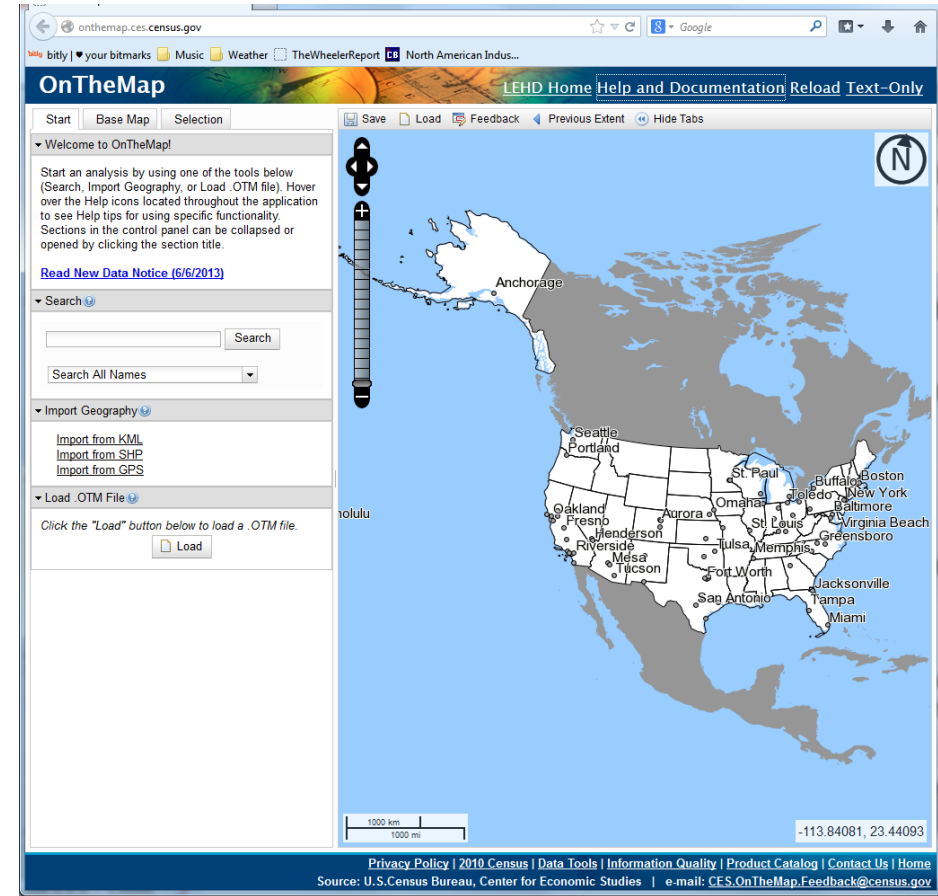


Other Data Sources - U.S. Census Bureau Local Employment Dynamics - OnTheMap

<http://onthemap.ces.census.gov>

OnTheMap - Mapping and reporting application showing:

- Where workers are employed and where they live;
- Companion reports on worker characteristics;
- Filtering by age, earnings, or industry groups;
- Based on synthetic data that are statistically analogous to actual worker counts and locations but not exact.

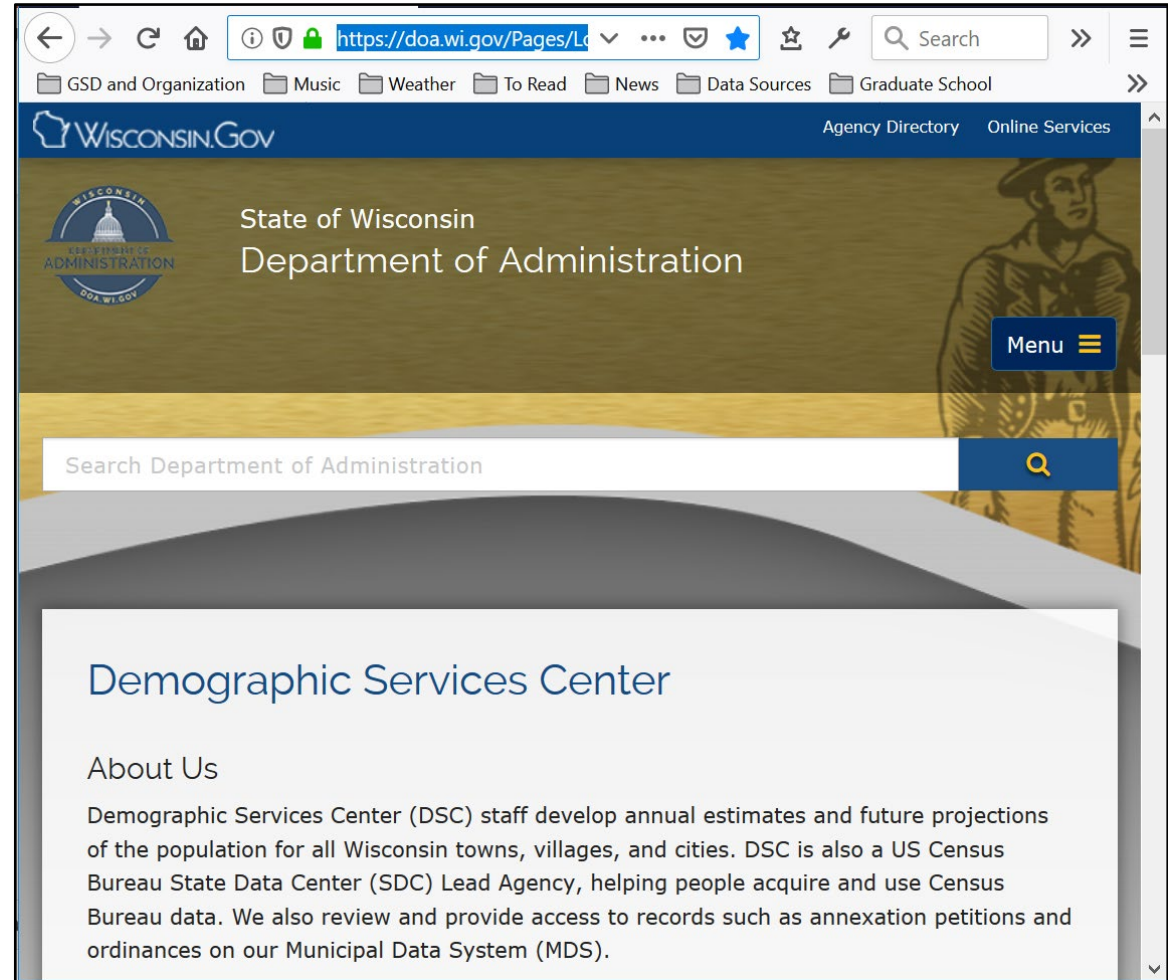


Other Data Sources - WI Department of Administration Demographic Services Center

https://doa.wi.gov/Pages/LocalGovtsGrants/Demographic_Services.aspx

Estimates and Projections

- Annual population estimates for the state, counties and municipalities;
- Housing unit estimates;
- Projections by county, age, gender and components of change;
- Tools for visualizing population change.

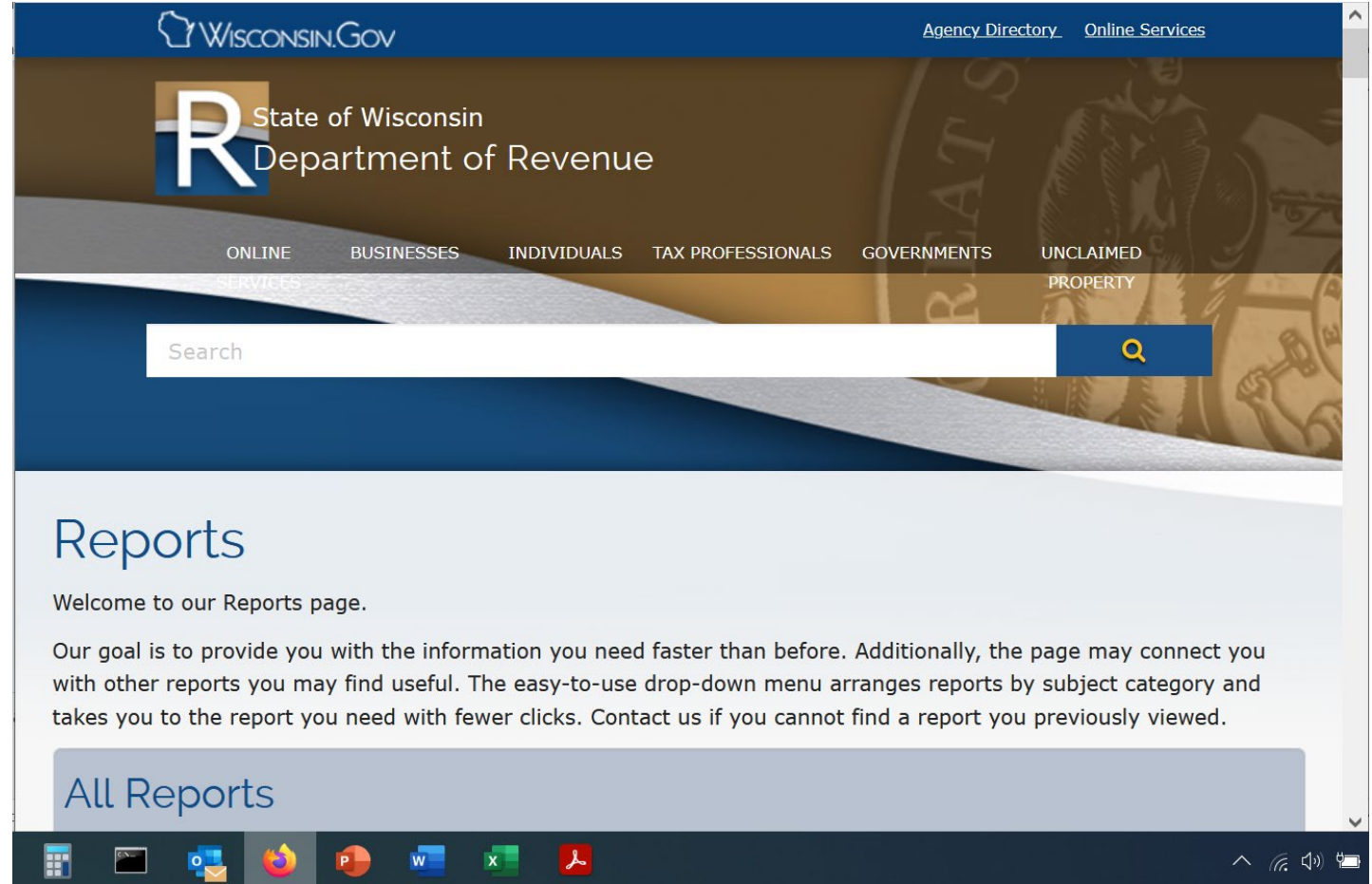


Other Data Sources - WI Department of Revenue

<https://www.revenue.wi.gov/Pages/Report/Home.aspx>

Reports and Visualizations for:

- Economic indicators such as employment, labor force, industry concentration, etc.;
- Sales tax collections;
- Exports;
- Local government finance;



The screenshot shows the homepage of the Wisconsin Department of Revenue's Reports section. At the top, there is a navigation bar with the Wisconsin state logo and 'WISCONSIN.GOV' on the left, and 'Agency Directory' and 'Online Services' on the right. Below this is a large banner with the 'State of Wisconsin Department of Revenue' logo and a navigation menu with categories: ONLINE SERVICES, BUSINESSES, INDIVIDUALS, TAX PROFESSIONALS, GOVERNMENTS, and UNCLAIMED PROPERTY. A search bar is located below the menu. The main content area features the heading 'Reports' and a welcome message: 'Welcome to our Reports page. Our goal is to provide you with the information you need faster than before. Additionally, the page may connect you with other reports you may find useful. The easy-to-use drop-down menu arranges reports by subject category and takes you to the report you need with fewer clicks. Contact us if you cannot find a report you previously viewed.' Below the text is a section titled 'All Reports'. The bottom of the image shows a Windows taskbar with various application icons.

Contact Information

Matt Kures
Community Economic Development Specialist

Economic Development Administration University Center
Community Development Institute
Division of Extension
University of Wisconsin-Madison

[https://extension.wisc.edu/community-development/economicdevelopment/
@uwexccd](https://extension.wisc.edu/community-development/economicdevelopment/@uwexccd)

432 N. Lake St, Madison, WI 53706
Phone 608-265-8258 matthew.kures@wisc.edu

