

Labor Market Information Programs

Bob Pope

Labor Market Information Section Chief

Ideas Forum

October 18, 2023

Understanding & Using Labor Market Information

- Who we are and what we do
 - Overview, program specifics
- How to find and use our data
 - WisConomy.com is Your Source for Wisconsin Economic and Labor Market Information





Bureau of Workforce Information and Technical Support

- Labor Market Information (LMI)
 - Bureau of Labor Statistics (BLS) programs
 - Quarterly Census of Employment & Wages (QCEW)
 - Occupational Employment & Wage Statistics (OEWS)
 - Current Employment Statistics (CES)
 - Local Area Unemployment Statistics (LAUS)



Bureau of Workforce Information and Technical Support

- Office of Economic Advisors (OEA)
 - Regional Economists
- Research
 - Projections, Workforce Information Database (WID), Website (WisConomy)





Quarterly Census of Employment & Wages (QCEW)

Sarah Hoffman | QCEW Supervisor

Ideas Forum

October 18, 2023

QCEW Team

- Sarah Hoffman (Supervisor)
- Richard Krause
- Sheila Ulrich
- Joanna Frasch
- Kate Arista
- Warren Enstrom
- Sharayah Preman





What is QCEW?

- The Bureau of Labor Statistics (BLS) program that produces quarterly job statistics based on Unemployment Insurance (UI) coverage.
- Gold Standard for employment and wages.
- Detail of businesses by industry, geography, and ownership.
- ~160,000 Wisconsin firms.
- ~200,000 establishments.
- More than 95% of civilian labor force.
- Data feeds a myriad of programs.





What is the QCEW ownership?

Private

- Government
 - Federal
 - State
 - Local

Aggregate of all Government

Aggregate of all types





Multiple Worksite Report (MWR)

- Supplemental to the UI Quarterly Tax Report
- Requests employment and wages by physical location to more accurately reflect county and industry employment and wages when businesses have more than one location in the state
- https://www.bls.gov/respondents/mwr/
 - https://www.bls.gov/respondents/mwr/forms/mwr-wi.pdf





Annual Refiling Survey (ARS)

- Approximately 1/3 of businesses are surveyed annually
- The purpose is to make sure that QCEW has accurate location and industry codes assigned as well as contact information
 - https://www.bls.gov/respondents/ars/home.htm
 - https://www.bls.gov/respondents/ars/forms/nvs-wi.pdf





Industry Classification System Used by QCEW

- North American Industry Classification System (NAICS)
- https://data.bls.gov/cew/apps/bls naics/v3/bls naics app.htm
- Revised every 5 years to keep the classification system current with changes in economic activities.
- WI staff assign NAICS codes to all businesses subject to UI.





Outliers

- A big part of QCEW is outlier research and resolution.
- Accounts with significant changes to employment and/or wages flag in our system.
- It is our job to answer the question of WHY a significant change occurred.
- The BLS Longitudinal Database follows QCEW establishments and creates reports of business births, deaths, etc.



How can QCEW data be Used?

Identify new and emerging industries.

Economic and industry health indicator.

Establishment and job dynamics – churn.

Economic and workforce forecasting.

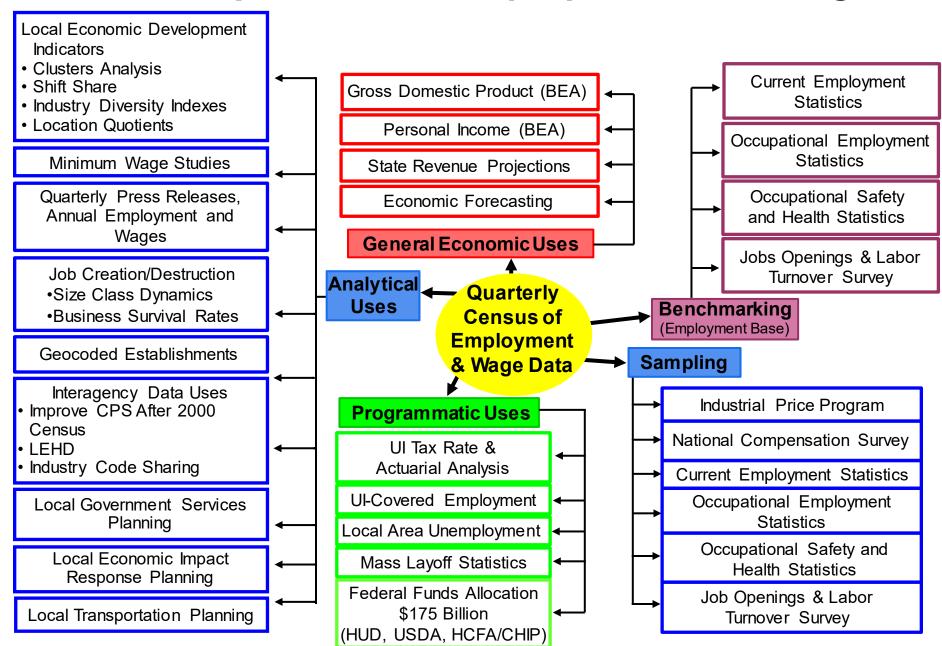
Worker training programs and curriculum development.

Strategic planning.

Policy impacts.



Uses Of Quarterly Census of Employment and Wages Data





Thank You!

Questions?

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www.jobcenterofwisconsin.com/wisconomy/pub/qcew





Occupational Employment and Wage Statistics Program Overview

Sal Serio Senior Research Analyst

Labor Market Information

Ideas Forum October 18, 2023

Who We Are





- The Occupational Employment and Wage Statistics (OEWS) program is contracted through the Bureau of Labor Statistics (BLS)
- It is one of Wisconsin DWD's Labor Market Information (LMI) programs
- OEWS produces employment and wage estimates for approximately 800 occupations annually
- Find Wisconsin's OEWS publication on WisConomy.com

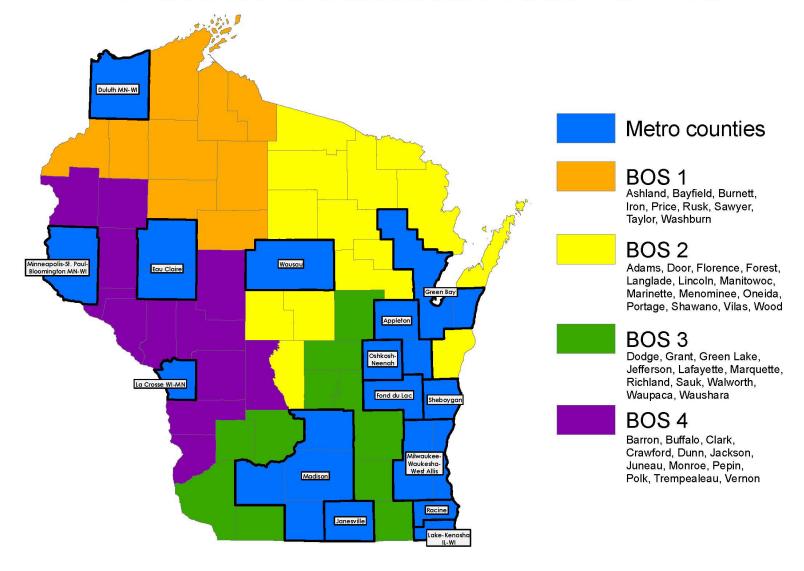


OEWS Statistical Sample

- Twice a year: May and November
- Employer sample based on industry, size, and geographical location
- Voluntary survey in Wisconsin
- Each panel samples approximately 5,000 employers and 285,000 employees
- OEWS collects staffing patterns, job titles, wages and employment counts



Wisconsin's Statistical Areas - OEWS





Standard Occupational Classification

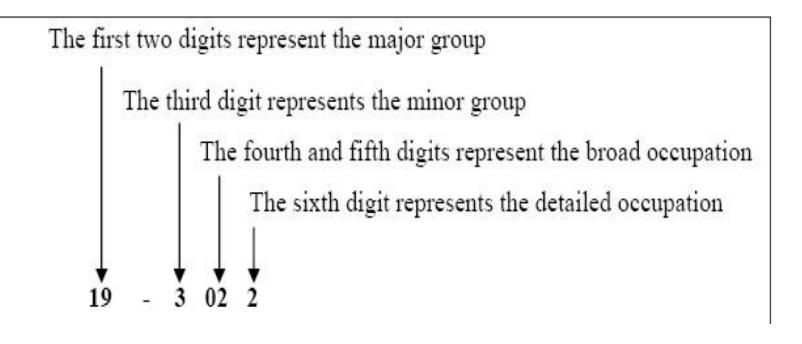
- The 2018 Standard Occupational Classification (SOC) system is a federal statistical standard to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data
- All workers are classified into one of 867 detailed occupations according to their occupational definition
- To facilitate classification, detailed occupations are combined to form 459 broad occupations, 98 minor groups, and 23 major groups
- A newly updated SOC system is scheduled for 2028



SOC – Major, Minor, Broad, and Detailed

Each item in the SOC is designated by a 6-digit code. The hyphen between the second and third digit is used only for clarity.

Figure 1.





Who uses the OEWS data?

- Job orders and job seekers
- Judges and program administrators such as:
 - a. Division of Unemployment Insurance
 - b. Division of Vocational Rehabilitation, including counselors
 - c. Division of Worker's Compensation and system partners
- Elected and appointed officials
- Educators
- Businesses
- Economists and Economic Developers



Voluntary vs Mandatory Reporting

Each state determines whether it has statutes in place that would make the OEWS request mandatory.

Mandatory states and areas:

Colorado

Hawaii

New Hampshire

North Carolina

South Carolina

Connecticut

Mississippi

New Jersey

Oklahoma

Utah

Washington DC

Montana

New Mexico

Oregon

Vermont

Georgia

Nevada

New York

Rhode Island

Wyoming



Point Data vs Wage Range

Occupation & Wage Data Network (OWDN)

- Point Data = actual wage as opposed to wage range
- Easier for employer to report
- Wage accuracy (creates more reliable estimates)
- More clear evidence when wages were reported incorrectly
- Minimum wage QA check recently added to OWDN

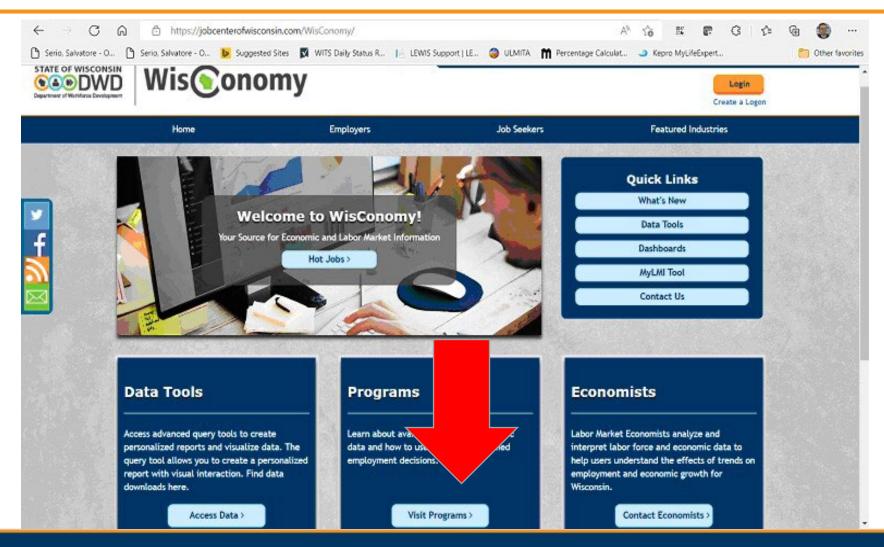


OEWS Estimates & Publication

- BLS combines 3 years of sample data to generate the OEWS estimates
- The larger sample results in smaller standard errors
- Data collection for the May and November panels respectively ends December 30th and June 30th
- BLS only publishes the May panel, and Wisconsin estimates are usually ready for publication by June

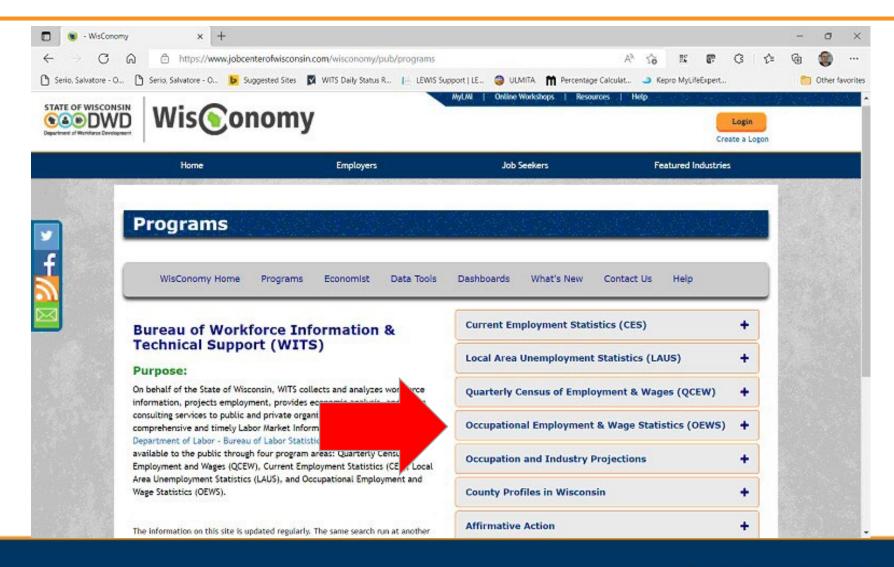


WisConomy.com > Programs



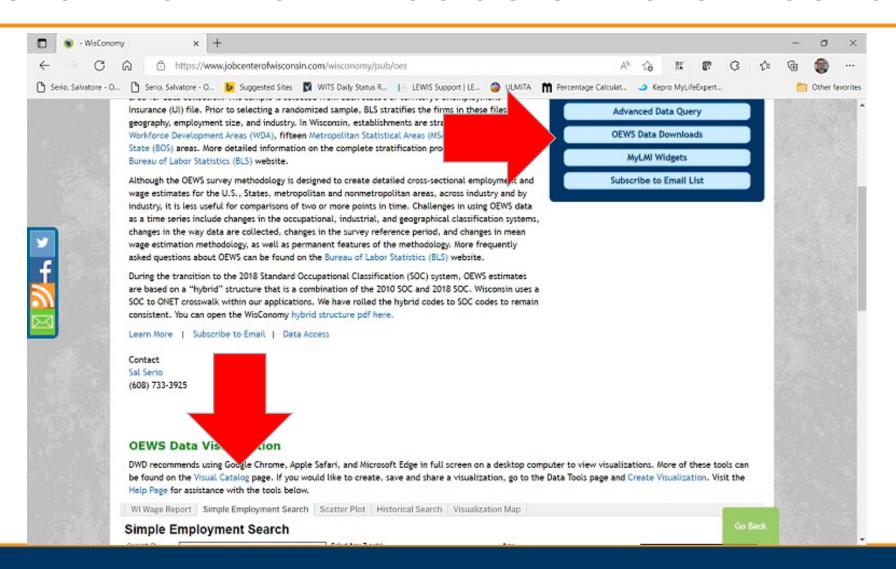


Choose OEWS from menu





Scroll for Downloads & Data Search





Questions?

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Current Employment Statistics (CES) 2023 BWITS Ideas Forum

Joanna Frasch | CES Program Manager
October 18th, 2023



What is CES?

- Monthly payroll survey of non-farm establishments
- Provides current estimates of employment, hours, and earnings by industry
- Data is reported for the nation overall, 50 states, DC, PR, VI and 310 Metropolitan Statistical Areas (MSA)

Who/What is counted?

- Non-farm establishment payrolls
- Full or part time who worked or received pay for any part of the pay period that includes the 12th day of the month
- Jobs not workers
 - Example: workers appearing on two payrolls are counted twice
 - Counted by location of job not residence of worker





How is the data used?

- Measures growth or decline in number of jobs, hours, and hourly earnings across nonfarm industries
- One of the 7 Principle Federal Economic Indicators
- Change in employment is a key indicator of the state of the economy
- Change in Average Hourly Earnings is a useful indicator of wage inflation
- Change in Average Weekly Hours is a leading indicator of changes in employment





Who produces CES estimates?

BLS:

- Funds & administers
- Selects sample & collects data
- Produces estimates
- Benchmarks

States:

- Analyze & Publish
- Provide Non-Covered Employment
- Provide payroll data
- Local Economic Events



Who uses the data?

- States use CES data to understand employment level changes month-overmonth and year-over-year by sector and MSA.
- Congress uses CES data to help make policy decisions on such issues as tax increases, decreases, extension of unemployment benefits, or changes in minimum wage laws.
- The Federal Reserve Board attempts to regulate the US economy by adjusting short-term interest rates. Because they are measures of current change, CES data are important inputs to this decision-making process.
- **Bureau of Economic Analysis** uses CES data to compute the personal income portion of Gross Domestic Product estimates.





Wage Records Program (WRP) 2023 BWITS Ideas Forum

Joanna Frasch | Senior Research Analyst October 18th, 2023



Wage Records Program (WRP)

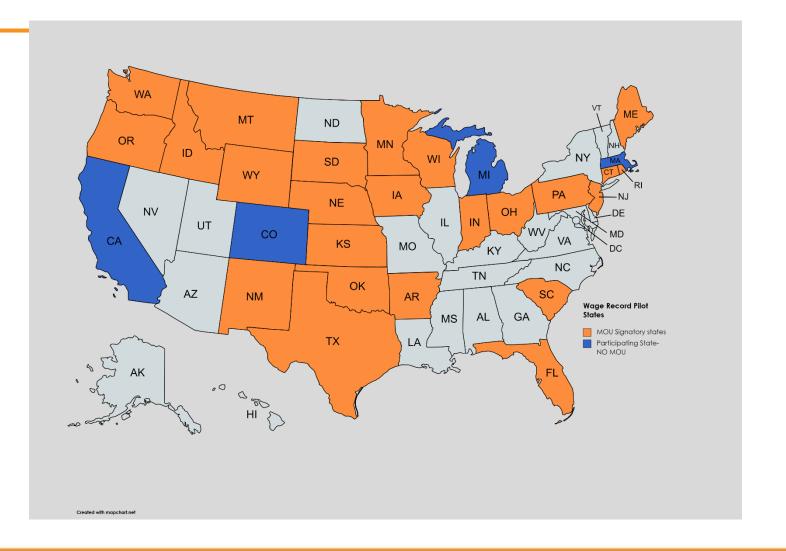
What is the Wage Records Program?

- The Wage Records Program (WRP) is an initiative of the Bureau of Labor Statistics (BLS) that compiles state wage record data to form a multi-state longitudinally linked data set to be used to support national, regional, and local analyses.
- States are required by the Unemployment Insurance (UI) program to collect information in the form of wage records, wage records are a rich source of data that can be utilized to better understand the labor market.
- There are currently 28 states participating in this program.
- A multi-state data set will expand economic research opportunities across state lines and enable the creation of additional data products to support public decision making for both the states and the federal government.





Wage Records Program (WRP)







Wage Records Program (WRP)

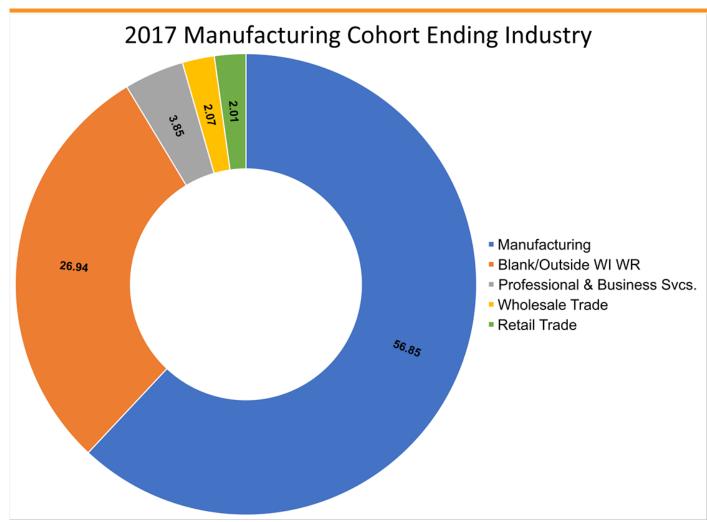
Cohort Retention Study – the beginning...

- Following cohorts of workers in industries from Q1 2017 to Q4 2022
- Retention Rates over time and by industry
- Multiple Industry Sectors
- How long were workers retained in the industry? If not retained, where did they go?





Wage Records Program (WRP)



Manufacturing Cohort

Q1 2017: 482,886 Wage Records.

What happened by Q4 2022?

- The majority stayed in Manufacturing
- Next Largest group
 Outside Wage Records –
 what does this mean?





Wage Records Program (WRP)

What's next using this data?

- Retention rates for other major industries
- Study other cohorts (2019 and 2021)
- Obtain data from neighboring states, how do retention rates compare?
- Use with other data sets
 - PROMIS File
 - Social Security Retirement
 - Nursing Licenses



Thank You!

Thank you to all employers and data users for their participation in surveys and enthusiastic use of our data products!





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Please feel free to contact me with questions:

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Local Area Unemployment Statistics (LAUS)

Bob Pope | Labor Market Information Section Chief Ideas Forum

October 18, 2023

Local Area Unemployment Statistics (LAUS)

What is LAUS?

Model produces monthly and annual data

State (seasonally adjusted and not seasonally adjusted)

- Unemployment rate
- Labor force participation rate (LFPR)
- Labor Force
- Employment
- Unemployment

Local (not seasonally adjusted only, no LFPR)

- 72 counties
- 35 Cities (new cities get added when population reaches 25,000)
- 12 Metropolitan Statistical Areas (MSAs)



What is LAUS?

Not Seasonally Adjusted (NSA)

- State
- All areas

Seasonally Adjusted (SA)

State

Workers not jobs = Residence survey

- Current Population Survey (CPS)
- Conducted by Census Bureau on behalf of Bureau of Labor Statistics (BLS)
- Monthly survey of 60,000 households about 110,000 people



Who is employed in the CPS?

- Includes civilian noninstitutional population ages 16 and older
 - Persons working as employees for at least one hour in the reference week (wage and salary workers)
 - Persons working in their own business, profession, or farm (self employed)
 - Persons working without pay for at least 15 hours in a business owned by a family member (unpaid family workers)
 - Persons temporarily absent from their job, for reasons such as vacation, illness, or parental leave
- Excludes active-duty military and people in institutions such as prisons, mental facilities and nursing homes



Who is unemployed in the CPS?

- People who did not work during the reference week and who:
 - Are currently available to work
 - Made specific, active efforts to find work during the last four weeks
 - Active job search methods: Filling out applications, sending resumes, placing and answering ads, checking with friends, checking with employment services or union register
- People on layoff from a job who expect to be recalled, whether or not they looked for work



Who is not in the labor force?

- Persons who are neither employed nor unemployed are classified as "not in the labor force."
 - Retirees
 - Students
 - Stay-at-home parents
 - The ill or disabled
 - Marginally attached and discouraged workers
 - Marginally attached: have not looked for work in the past four weeks (so are not counted as unemployed) but have looked in the past year.
 - Discouraged workers: Subset of the marginally attached, who specifically express that they have given up looking because they believe no jobs are available to them.



How LAUS data can be used?

Indicating distressed and recovering areas

Establishing need for workforce development programs

Measuring success of economic initiatives

Allocating federal funds to states and local areas

Assessing local labor market conditions



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WISCONSIN LONG TERM PROJECTIONS

2020 - 2030

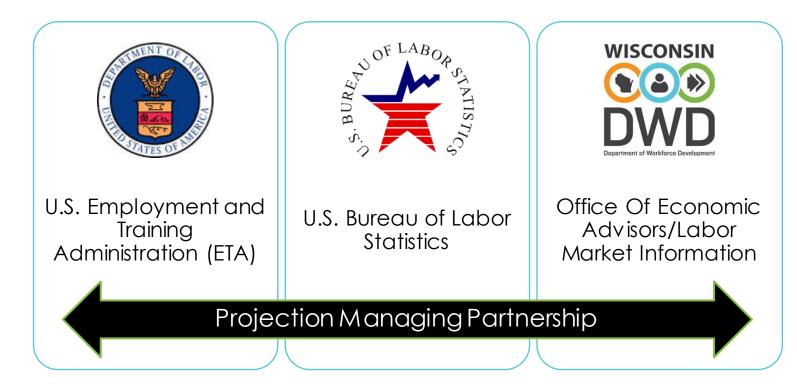
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Ideas Forum
October 18, 2023



Partnership

US Department of Labor









Wisconsin Employment Projections

- Long-term Industry and Occupational Employment Projections
 - 10 year
 - 270 detail industries (NAICS)
 - 800 detail occupations (SOC)
 - ETA deadline: June (every other year)
 - Statewide & WDA
- Short-term Industry and Occupational Employment Projections
 - Two year
 - 270 detail industries (NAICS)
 - 800 detail occupations (SOC)
 - ETA deadline: February
 - Statewide



Usage

Career planning and guidance

Workforce investment planning

Training and education

Business investment

Policy making

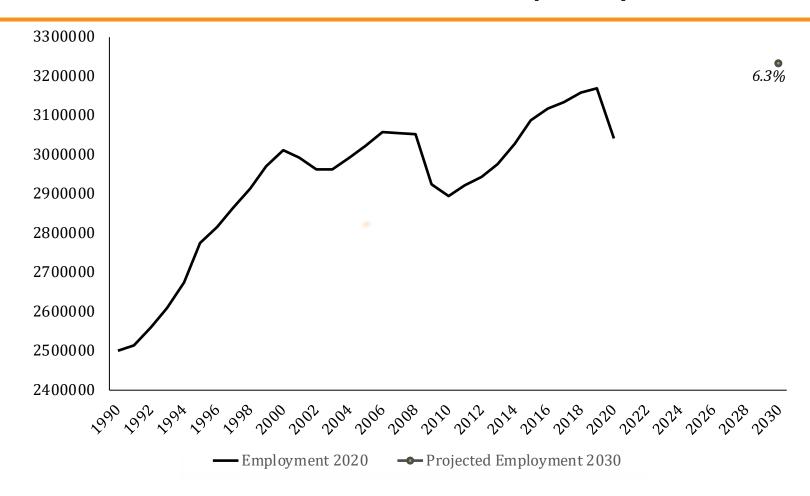
Researchers

Job seekers





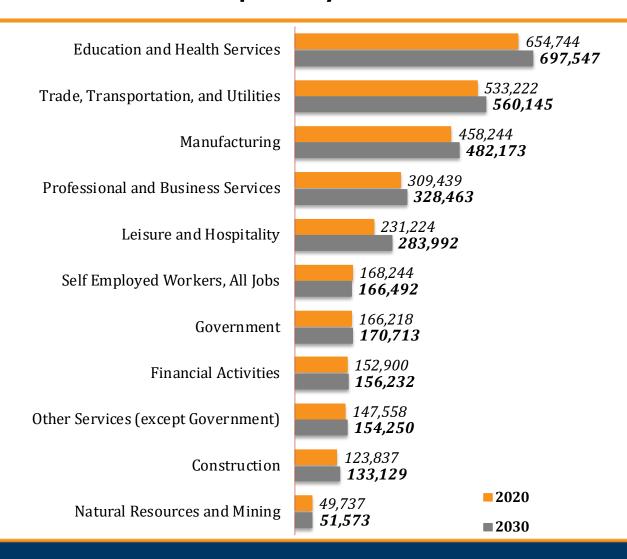
Wisconsin Total Employment







Projected Employment 2020 - 2030

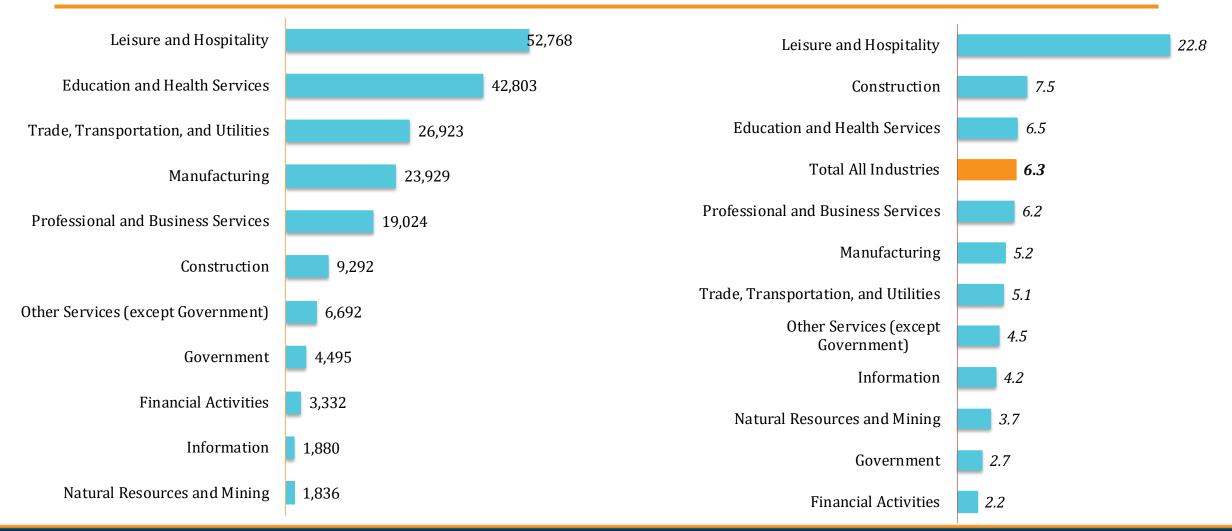






Super-Sector By Numeric Change: 2020-2030

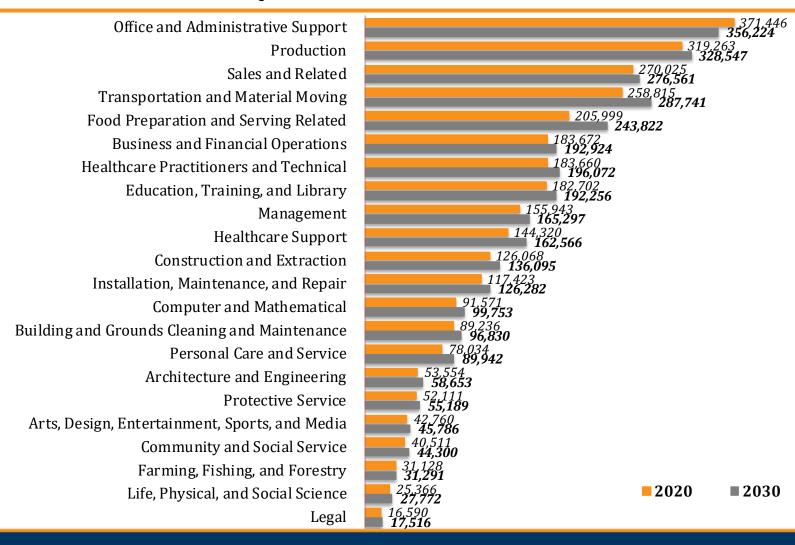
Super-Sector By Percent Change: 2020-2030





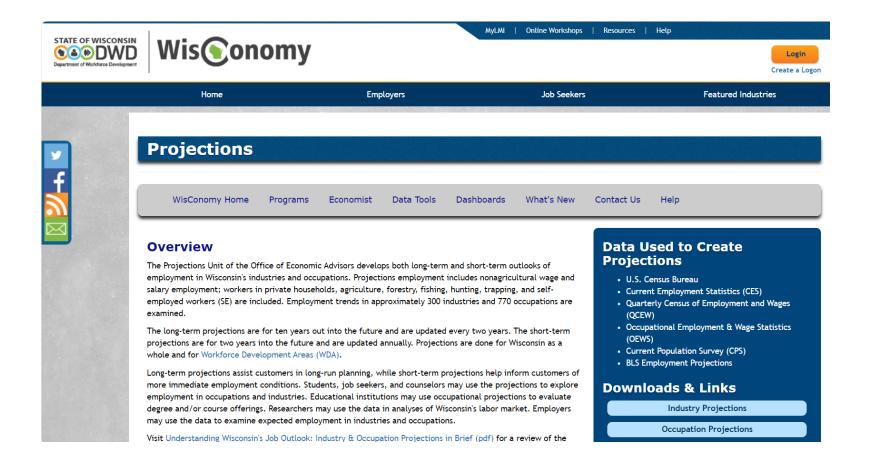


Long-Term Occupational Employment Projections 2020-2030





See More: WisConomy



Scan the QR code or visit

https://jobcenterofwisconsin.com/wisconomy/pub/projections





Questions?

Thank You!

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