EXPLORING THE VIRTUAL LABOR MARKET DATA SYSTEM

Labor Market Data at Your Fingertips:

Labor Market Information Center
605.626.2314 | dlr.sd.gov/lmic
Overview

• Introduction to Labor Market Information (LMI)

• Explore the Labor Market Virtual Data System and LMIC Website
  – Discover data available on LMIC website and/or Labor Market Virtual Data System
What is LMI?

- Data or analysis that relates to the workforce in an area.
- Collected using standardized terminology and categorization.
- Compiled according to standard statistical procedures governed by state and federal regulations
- Unbiased
LMI provides information on many topics:

- Worker characteristics
- Industry types
- In-demand occupations
- Education statistics
- Economic health
- Hot future jobs
- Types of current jobs
- Number of jobs
- Number of workers
- Average wages
- Number of unemployed
LMI Data Categories

**Employment**
- Workers by Occupation
- Workers by Industry

**Wage Data**
- By Industry
- By Occupation

**Labor Supply & Labor Force Data**
- Employed & Unemployed
- Underemployed
- Discouraged Workers
- Unemployment Rate

**Demographics**
- Population Characteristics
- Workforce Characteristics
- Commuting Patterns

**Career Planning Data**
- Occupational interests, skills, abilities
- Training/education requirements
- Projected employment & demand
- Wages
Some Basic Definitions

**Employed**

- Worked at least one hour for pay or other compensation.
- Worked during the calendar week or pay period that includes the **12th day of the month**.
Some Basic Definitions

**Unemployed**

- Must have no job attachment (not *expected* to be recalled).
- Must be available and *actively* seeking work.
- Can be experienced worker, new entrant or re-entrant into the labor force.
Some Basic Definitions

**Labor Force**

- Must be at least 16 years old
- Total of Employed + Unemployed
- Does **NOT** include military personnel or persons in institutions, such as nursing homes or prisons
Not every adult is in the labor force.

It excludes those who do not have a job and are not actively looking.

Examples:
- Retirees
- People too disabled to work
- Stay-at-home parents
Some Basic Definitions

**Unemployment Rate**

- Total Unemployed $\div$ Total Labor Force
Industrial Classification

**NAICS** – **North American Industry Classification System**

- Six-digit system
- Identifies businesses by product made or sold or by service provided
- Used in Canada, U.S. and Mexico
Occupational Classification

**SOC** – **Standard Occupational Code**
- Classifies occupations according to tasks performed and skills utilized
- Used in O*Net and CareerInfoNet
South Dakota LMI Resources

Labor Market Information Center Website

www.dlr.sd.gov/lmic
Overview of Programs

Overview of statistical programs conducted in cooperation with the U.S. Bureau of Labor Statistics:
http://dlr.sd.gov/lmic/program_overviews.aspx

• **Current Employment Statistics** (CES) – nonfarm wage and salaried worker statistics

• **Local Area Unemployment Statistics** (LAUS) – estimates of employed and unemployed; unemployment rate

• **Occupational Employment Statistics** (OES) – employment and wage estimates for occupations

• **Quarterly Census of Employment and Wages** (QCEW) – count of employment and wages reported by employers in the unemployment insurance program.
## Overview of Programs

http://dlr.sd.gov/lmic/program_overviews.aspx

Page also contains links to tables that comparing BLS programs and concepts used.

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<thead>
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<tbody>
<tr>
<td>Reference Period</td>
<td>Monthly sample based on the Current Population Survey (CPS), a national household survey conducted by the U.S. Census Bureau.</td>
<td>Monthly survey of businesses.</td>
<td>Quarterly state-mandated U.S. Department of Labor's Longitudinal Employment Dynamics Program (LED)</td>
<td>Survey of all businesses that employ 1,000 or more workers, conducted annually by the BLS.</td>
<td>Survey of all workers who are employed or unemployed.</td>
</tr>
<tr>
<td>Data Measurement</td>
<td>Number of people employed and unemployed by place of residence.</td>
<td>Number of jobs held</td>
<td>Number of jobs held</td>
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<td>Reference Period</td>
<td>The week inclusive of the 12th calendar day.</td>
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<td>First quarter of the year</td>
<td>First quarter of the year</td>
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<tr>
<td>Definition</td>
<td>Persons who, during the reference week, worked at least one hour for pay or profit; or work at least 15 hours as an unpaid family worker, or are self-employed, or have a job but did not go to work.</td>
<td>Persons on establishment payrolls who receive pay for any part of the pay period which includes the 12th of the month.</td>
<td>Persons covered under state unemployment insurance (UI) laws or the Unemployment Compensation for Federal Employees (UCFE) program.</td>
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<td>Coverage Inclusion</td>
<td>Includes persons who are 16 years of age or older, farm and nonfarm workers, self-employed, unpaid family workers who worked 15 hours or more, and those temporarily absent from work.</td>
<td>Includes all ages of employment and segments of non-covered employment.</td>
<td>Includes all ages of employment and segments of non-covered employment.</td>
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<td>Coverage Exclusion</td>
<td>Individuals in the labor force, including those under age 16 or institutionalized.</td>
<td>Self-employed, agricultural workers, domestic workers and military.</td>
<td>Self-employed, military, unpaid family workers, residential workers, work-study students, eldery official, or any business not covered by unemployment insurance.</td>
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<td>Statewide Estimates</td>
<td>The monthly statewide employed estimates are prepared using the same economic model with the same sampling frame.</td>
<td>Statewide and MSA estimates are created using sample based estimates and a modeled series.</td>
<td>Industry employment data is calculated directly from UI claims files.</td>
<td>Industry employment data is calculated directly from establishment-reported employment establishment employment for county is based on establishment location.</td>
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<td>Substate Estimates</td>
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### What are the differences between Current Employment Statistics (CES)/Quarterly Census of Employment & Wages (QCEW) and Current Population Survey (CPS) concepts?

**CES and QCEW**

- CES and QCEW pertain to filled jobs.
- A person may be included more than once if they hold more than one job.
- The reference period is the pay period which includes the 12th of the month. It could be weekly, biweekly, semimonthly, etc.
- If a person is on an unpaid leave of absence during the payroll period including the week of the 12th of the month, therefore not on payroll, then that person is not included.

**CPS**

- CPS data pertain to persons.
- A person is included only once.
- The reference period is the calendar week which includes the 12th of the month.
- A person is included as employed during an unpaid absence because they have a job to which to return.

- CES and QCEW are establishment-based data, based on place of work.
- Age is not a factor.
- QCEW data are for only UI covered industries. CES includes non-covered employment (NCE) workers.
- CES and QCEW do not include self-employed and unpaid family workers. They include some, but not all, domestic and agricultural workers.
- QCEW is a report, not a survey. CES is a sample-based survey.
- CPS data are universe counts. CES data are estimates, rather than counts.
- CPS data are estimates, rather than counts.
Let’s explore!

www.dlr.sd.gov/lmic
Hands-on/Live Demo:

Virtual Labor Market Data System:
- Consumer Price Index
- Demographics
- Employment Projections
- Labor Force & Unemployment
- Wages & Income
- Workers by Industry

LMIC Website
- Labor Supply
- What’s New
- Economic Snapshot
- e-Labor Bulletin
- Career Exploration & Planning
- Tools & Resources
- References
Start at **LMIC’s homepage menu** and select the data type of interest.

Will go to a page with:

- **Guidance** on what is available in virtual data system for that data set.
- **Direct link** to desired data set in virtual data system
- **Any additional data or analysis available** on LMIC’s website using that type of data.
Need a definition or more information about a program? LMIC’s References page contains definitions and program overviews. Also find FAQ, related sites (including links to other states’ LMI agencies) and release dates.
We’re here to help!
Contact information, including email, is on the LMIC homepage.
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