



J.B. Pritzker, Governor

Ray Marchiori, Director



## Labor Market Information:

# Identifying Work-Based Learning and Apprenticeship Opportunities

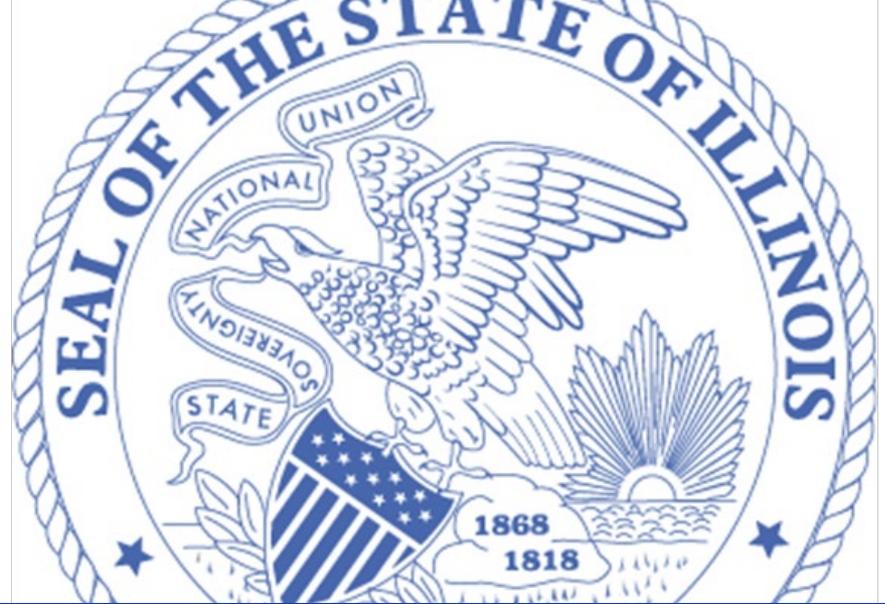
**Eric Makela, Labor Market Economist**

Presented by the Illinois Department of Employment Security  
Economic Information & Analysis Division | Workforce Analysis & Dissemination



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Use IDES  
occupational  
projections to  
identify possible  
WBL  
opportunities

Preview other  
self-serve LMI  
tools

1

2

3

4

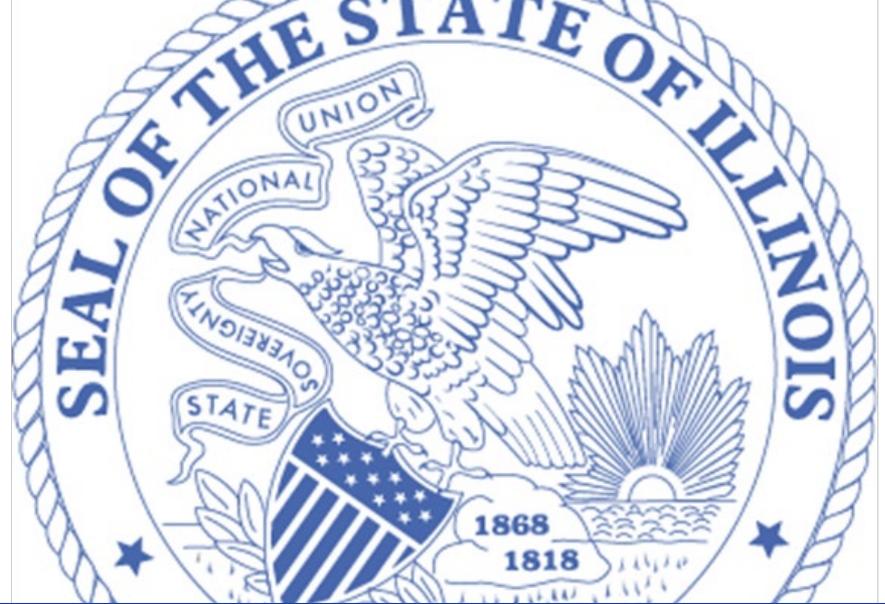
Review uses and  
limitations of  
Labor Market  
Information

Beginning the  
process of  
validating WBL  
opportunities



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## Uses of Labor Market Information

- 1) As indicators of movements or trends in the economy:
  - a) Cyclical
  - b) Structural
  - c) Random
- 2) As measures of labor supply, labor demand, or labor market equilibrium
- 3) Indication of demand and eligibility for social services or programs
  - a) UI Claims
  - b) Local Unemployment Rates



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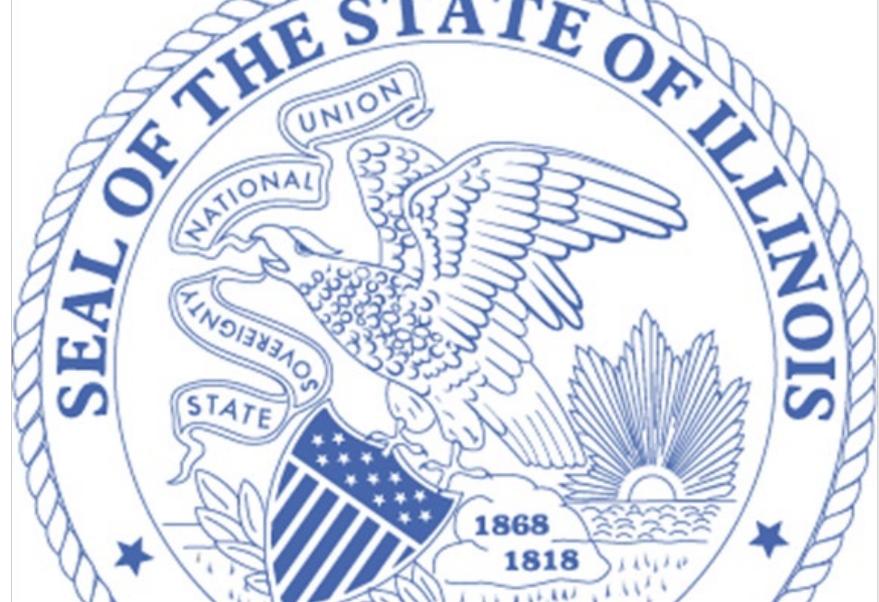
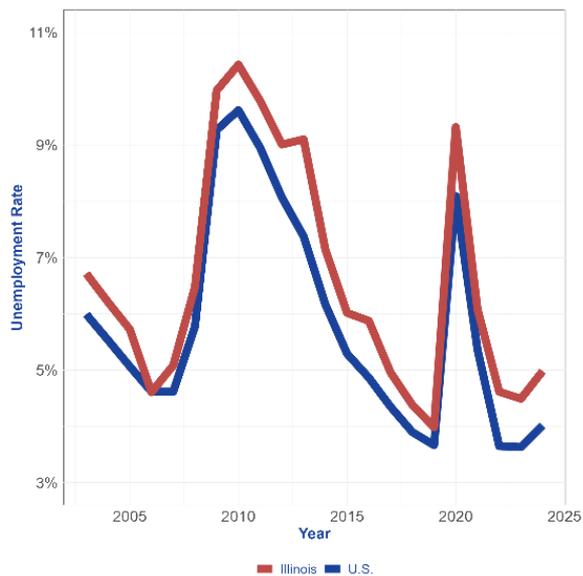
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## Uses of Labor Market Information

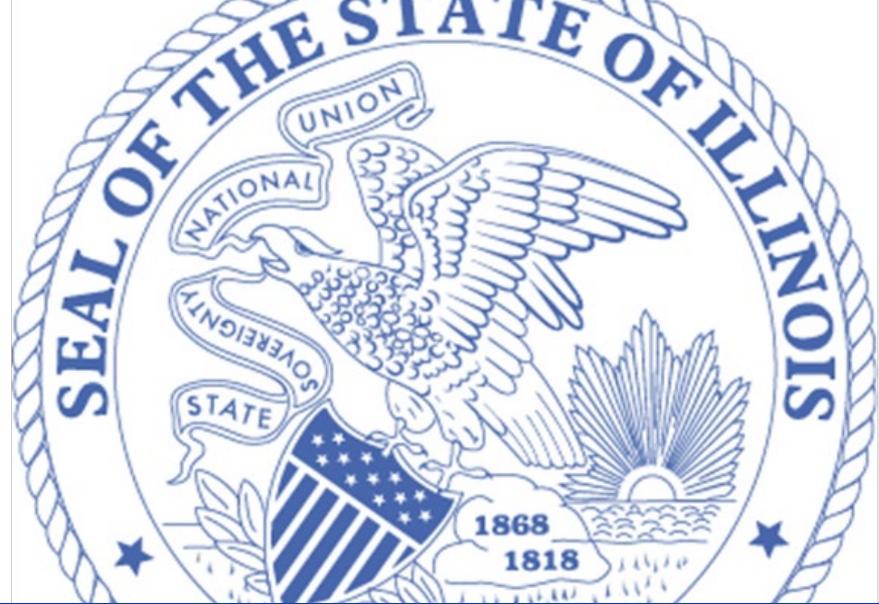
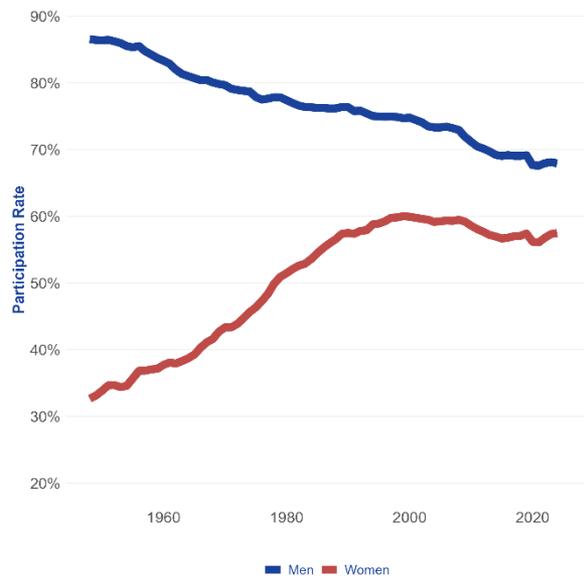
### 1) As indicators of movements or trends in the economy:

- a) Cyclical
- b) Structural
- c) Random



## Uses of Labor Market Information

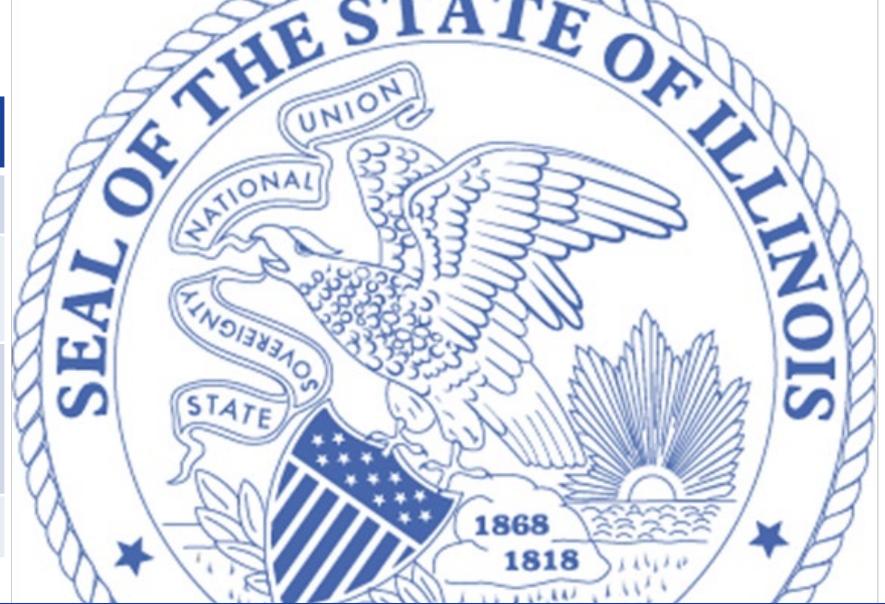
- 1) As indicators of movements or trends in the economy:
  - a) Cyclical – data indicating periodic trends of seasons or business cycles
    - a) Unemployment rate throughout business cycles
    - b) Employment throughout business cycles



## Uses of Labor Market Information

- 1) As indicators of movements or trends in the economy:
  - b) **Structural** – data indicating long-term trends characterized by changes in supply or demand
    - i. Increase in the number of automobile mechanics in the mid-20<sup>th</sup> century
    - ii. Labor force participation rates by gender
    - iii. Appearance of occupations such as Database Administrators in the 1980's and 1990's

2000 SOC	2010 SOC
Computer Programmers	Computer Programmers
Computer Software Engineers, Applications	Software Developers, Applications
Computer Software Engineers, Systems Software	Software Developers, Systems Software
	Web Developers



## Uses of Labor Market Information

- 1) As indicators of movements or trends in the economy:
  - b) **Structural** – data indicating long-term trends characterized by changes in supply or demand
  - c) **Random** – administrative changes to data collection or categorization
    - i. Creation of new occupations
    - ii. Benchmarking of economic data with each Economic Census



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## Limitations of Labor Market Information

- 1) Process of identifying new occupations is slow
- 2) Lots of LMI products, each designed to answer a specific question
  - a) How many jobs are there?
  - b) How many people are employed?
  - c) How many people are hired in a year?
  - d) How many job postings are there in a year?

# IDES

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Today, our focus is on **Occupational Employment Projections.**



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**The Standard Occupational Classification System (SOC) has 4 Levels of Occupational Aggregation:**

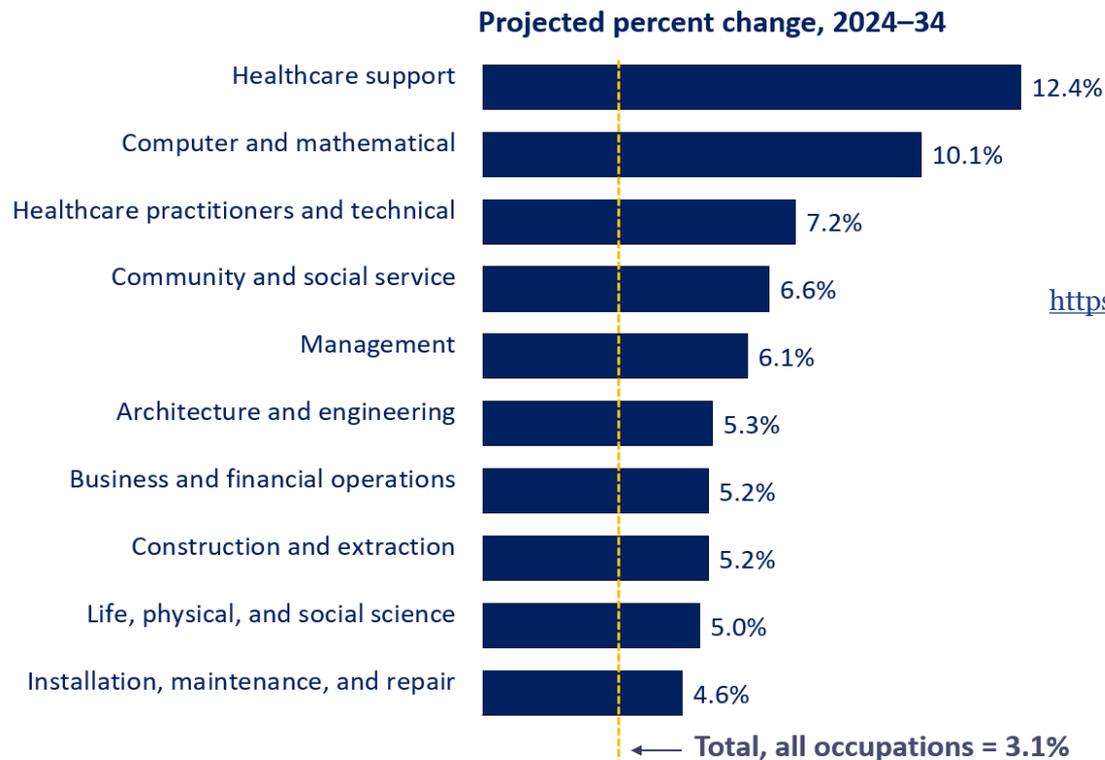
- **11-0000 -----> Major Group**
- **11-1000 & 11-2000 & 11-3000 & 11-9000 -----> Minor Group**
- **11-1010 & 11-1020 & 11-1030 -----> Broad Occupation**

# Work-Based Learning: Adding Value With BLS Data

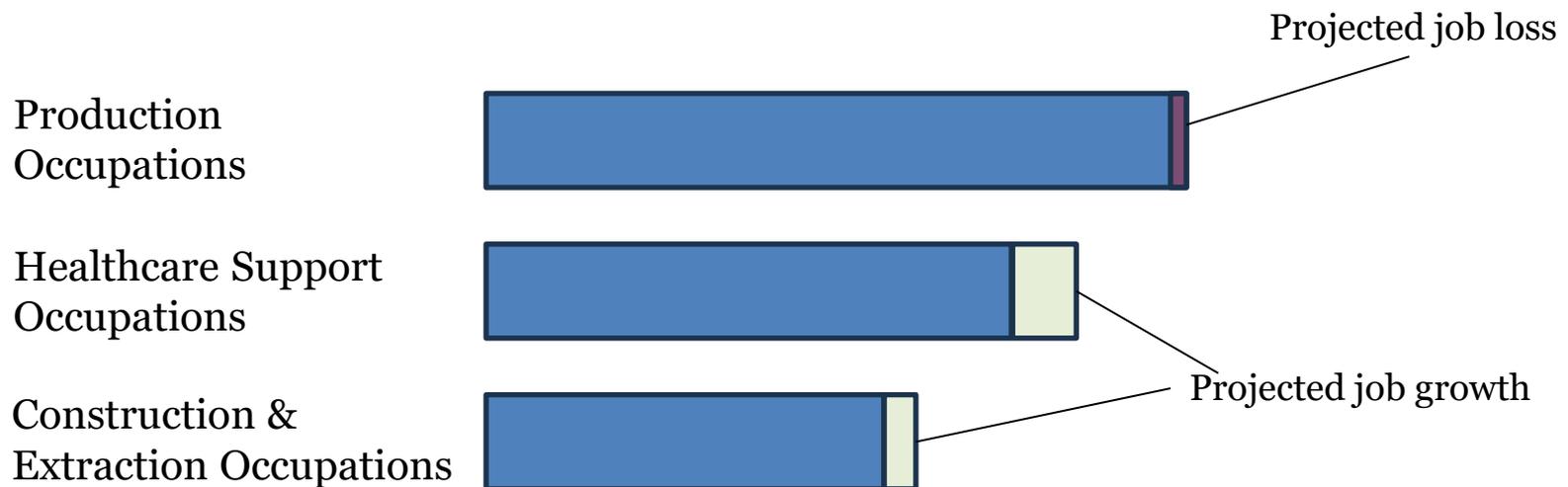
Employment Projections – how many jobs and job openings  
Will there be in future years?

Occupational Earnings – what is the earnings distribution for  
an occupation or career path?

## Top 10 Occupational Groups Projected to Grow the Fastest

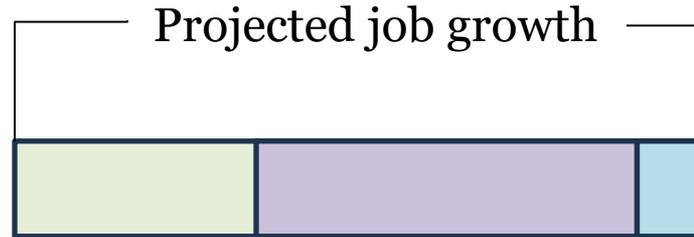


# Employment Projections – how many jobs and job openings will there be in future years?

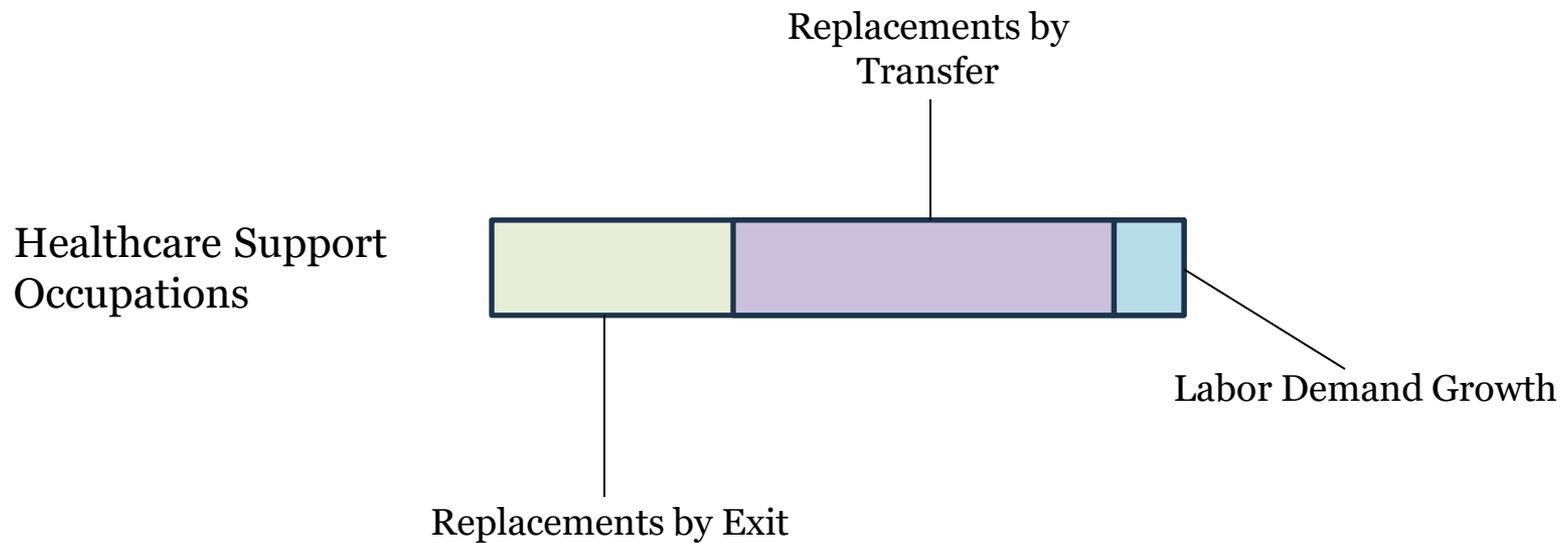


# Employment Projections – how many jobs and job openings will there be in future years?

Healthcare Support  
Occupations



# Employment Projections – how many jobs and job openings will there be in future years?





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## The Standard Occupational Classification System (SOC) has 4 Levels of Occupational Aggregation:

- 11-0000 -----> Major Group
- 11-1000 & 11-2000 & 11-3000 & 11-9000 -----> Minor Group
- 11-1010 & 11-1020 & 11-1030 -----> Broad Occupation
- 11-1011 -----> Detailed Occupation



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## Using 'Detailed Occupation' Data with Employment Projections

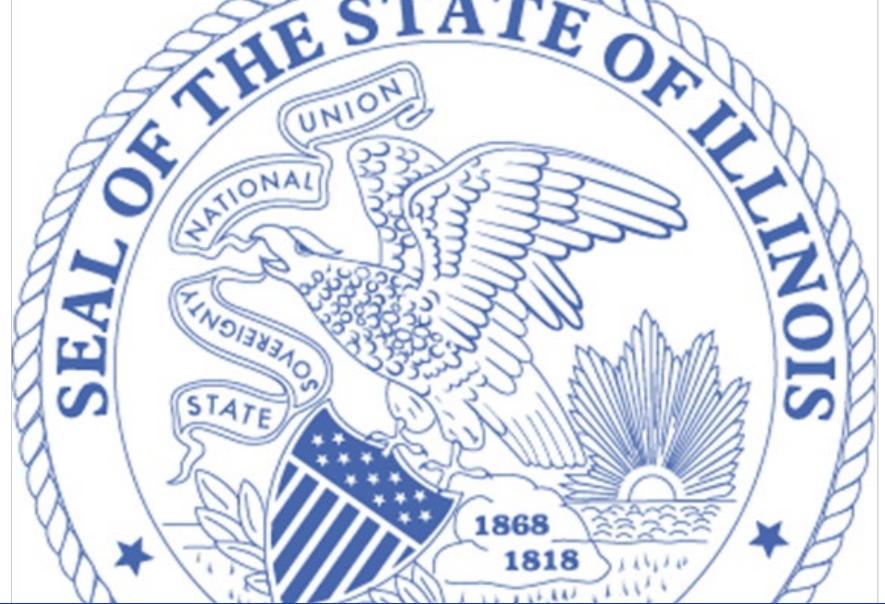
The U.S. DOL publishes a list of apprenticeable occupations. Let's navigate through creating some data products using 'Detailed Occupation' data.





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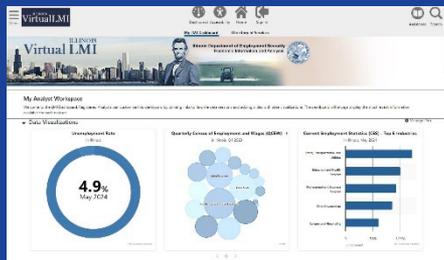
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## Validating Work-Based Learning Opportunities: Data Analysis

1) Start with studying the data: what datasets are available in my region and what data points are there?

- Virtual Labor Market Portal: <https://illinois.virtuallmi.com/vosnet/>



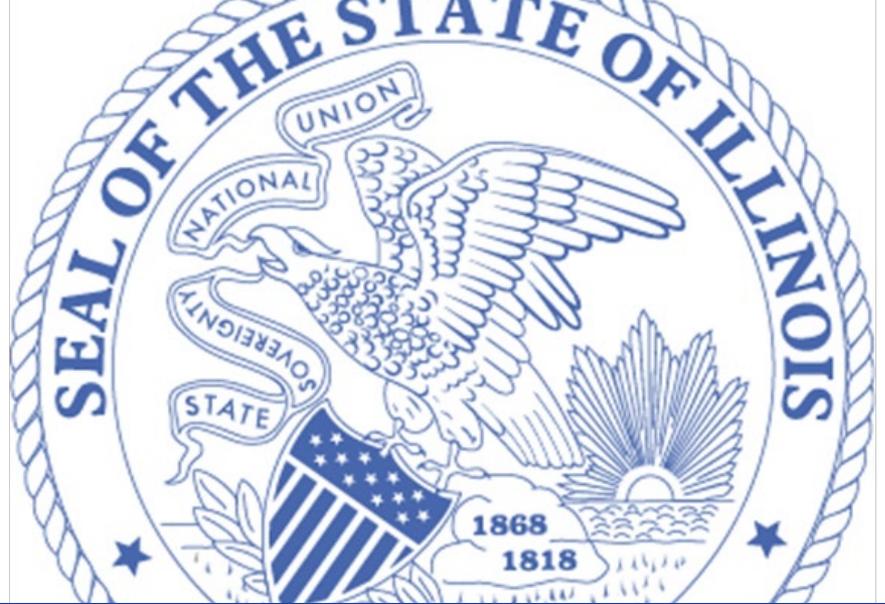
2) Pull data files from VLMI or the IDES website: <https://ides.illinois.gov/resources/labor-market-information/employment-projections.html>

3) IDES Labor Market Economists



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## Validating Work-Based Learning Opportunities: Data Analysis

- 1) Will there be sufficient job openings for apprenticeship completers?
- 2) What are the education and experience requirements for those entering apprenticeable occupations?
- 3) How might my organization consider apprenticeships in the context of a unifying career cluster framework?
- 4) Am I thinking of all the possible workforce partners in my region?



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<https://ides.illinois.gov/resources/labor-market-information.html>



Economic Development Region 4 | Northeast  
January 2026

EMPLOYER	JOB POSTINGS	ILLINOIS EDRS
Northwestern Medicine	1,065	1 - Central
Endeavor Health	696	2 - East Central
University of Chicago / UChicago Medicine	678	3 - North Central
Advocate Aurora Health	613	4 - Northeast
Starbucks	550	5 - Northern Statewide
CVS Health	421	6 - Northwest
JPMorgan Chase	315	7 - Southeastern
Capital One	310	8 - Southern
Northwestern University	307	9 - Southwestern
Walgreens	293	10 - West Central
AbbVie	277	
Prime Healthcare Services	227	
Chicago Public Schools	195	
Rush University Medical Center	186	
Krigger / Mariano's	168	
Duly Health And Care	167	
Walmart / Sam's Club	166	
University of Illinois Chicago	158	
Loyola Medicine	156	
Dominio's Pizza	150	

**Technical Notes:**  
 1. The Economic Information & Analysis (EIA&A) Division collects, compiles, analyzes, publishes, and distributes a variety of Workforce, Career Resource and Labor Market information used in the State of Illinois' primary source of labor market statistical data, **EDRS** for EIA&A Data and Statistics.  
 2. This report represents employers that post online job ads; it is not necessarily a complete listing of all jobs available in this area. Some industries like construction do not typically advertise their job openings online.  
 3. The Conference Board Lightcast Help Wanted Online® Data Series (HWOS) measures the number of new, first-time online job ads from over 45,000 websites worldwide, including company career sites, national and local job boards, and job posting aggregators; job postings are updated daily. From time to time, ads used in the HWOS Data Series may have inaccurate location information listed. These inaccuracies are addressed and corrected on an ongoing basis.

OCCUPATION	JOB POSTINGS
Registered Nurses	2,416
Heavy and Tractor-Trailer Truck Drivers	2,141
Retail Salespersons	1,571
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,204
Home Health and Personal Care Aides	1,148
Customer Service Representatives	1,084
General and Operations Managers	1,003
First-Line Supervisors of Retail Sales Workers	994
Financial Managers	982
Software Developers	969
Medical and Health Services Managers	940
Sales Managers	858
Health Technologists and Technicians, All Other	770
Computer Occupations, All Other	755
Marketing Managers	746
Financial and Investment Analysts	746
First-Line Supervisors of Office and Administrative Support Workers	721
Project Management Specialists	718
Laborers and Freight, Stock, and Material Movers, Hand	687
Fast Food and Counter Workers	683

This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. [CLICK HERE](#) for complete statement.

# Where are the resources I can put together to give my organization the best chance at facilitating informed Work Based Learning?

- Employment Projections – [VLMI](#) / [IDES](#)
- Occupation Information – [VLMI](#)
- Job Postings (Lightcast) – [IDES](#)
- Job Postings (Alternate) – [VLMI](#)
- Education Service Providers - [VLMI](#)

List of Apprenticible Occupations – [U.S. DOL](#)

IL Workforce Board Demand Occupations – [Illinois workNet](#)

Competency and content models

[O\\*NET](#)

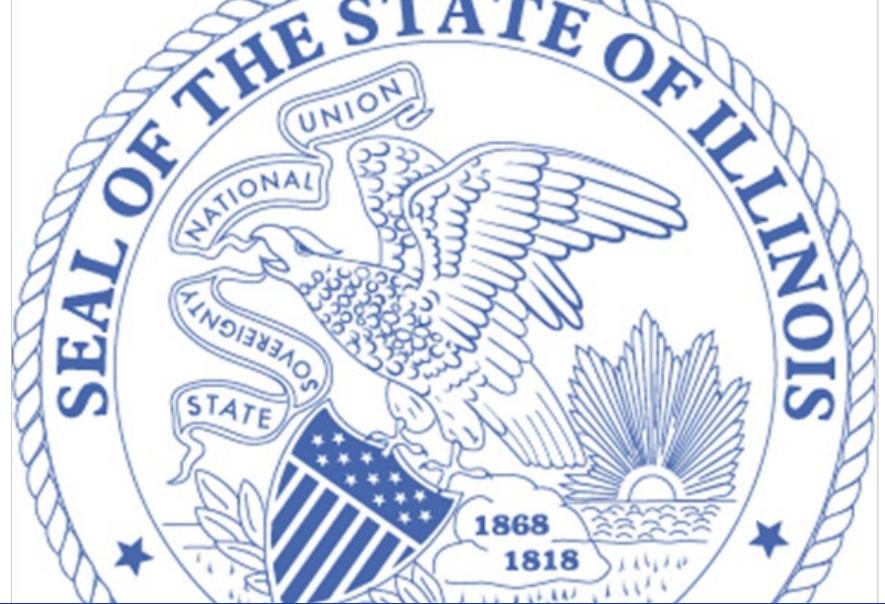
[Apprenticeship.gov](#)

[Advance CTE](#)



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**Thanks for joining. Here's to work-based learning teamwork.**

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