Overview of Labor Market Information

Stephanie Holcomb, Research Project Coordinator
John J. Heldrich Center for Workforce Development
Rutgers University
Labor Market Information (LMI)

Labor Market Information is all **data** related to **employment** and **workers**.

- **Supply**
  - Current workforce: Education, age, race, employment history
  - Future workforce: Recent graduates, education and training enrollments, etc.

- **Demand**
  - Employment, Unemployment
  - Wages, Hours
  - Projections
What can we do with LMI?

- Business investments
- Career planning and preparation
- Education and training offerings
- Job search opportunities
- Hiring and compensation
- Public or private workforce investments
- Program evaluation and planning

Source: LMI Institute 2019
LMI Data Sources
Census: American Community Survey (Annually)

- Demographic
  - Sex, age, race, Hispanic origin, etc.

- Social
  - Education, marital status, citizenship, language spoken at home, etc.

- Economic
  - Employment, occupation, industry, commute, household income, poverty status, etc.

- Housing
  - Type of unit, own/rent, age of structure, home value, etc.

Source: LMI Institute 2019
Bureau of Labor Statistics Data

• Collections
  • Occupational Employment Statistics
  • Local Area Unemployment Statistics

• Geography
  • Country, state, metro areas, counties, cities, towns

• Other data of interest
  • Standard Occupation Classification (SOC)
  • Location Quotients
BLS: Current Employment/Population Surveys (Monthly)

- **Household Survey (Current Population Survey)**
  - Labor Force/Workers: Number in labor force
  - Employment: Number employed
  - Unemployment: Number looking for work
  - By: Age, Sex, Race, Education, Employment Status

- **Establishment Survey (Current Employment Survey)**
  - Employment: Number employed
  - Hours: Average weekly hours
  - Earnings: Average hourly and weekly earnings
  - By: Industry
Tools for Data Access

- Census: [www.data.census.gov](http://www.data.census.gov)

- BLS: [https://www.bls.gov/data/tools.htm](https://www.bls.gov/data/tools.htm)
**Selected Economic Characteristics**

**Survey/Program:** American Community Survey  
**TableID:** DP03  
**Product:** 2019: ACS 1-Year Estimates Data Profiles

<table>
<thead>
<tr>
<th>Label</th>
<th>Estimate</th>
<th>Margin of Error</th>
<th>Percent</th>
<th>Percent Margin of Error</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Employment Status</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Population 16 years and over</td>
<td>263,534,161</td>
<td>±52,161</td>
<td>63.6%</td>
<td>±0.1</td>
</tr>
<tr>
<td>In labor force</td>
<td>167,501,734</td>
<td>±160,564</td>
<td>63.1%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Civilian labor force</td>
<td>166,274,373</td>
<td>±159,720</td>
<td>60.2%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Employed</td>
<td>158,738,794</td>
<td>±198,474</td>
<td>2.9%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Unemployed</td>
<td>7,515,579</td>
<td>±46,835</td>
<td>0.5%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Armed Forces</td>
<td>1,227,361</td>
<td>±17,273</td>
<td>36.4%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Not in labor force</td>
<td>96,032,427</td>
<td>±139,347</td>
<td>4.5%</td>
<td>±0.1</td>
</tr>
<tr>
<td><strong>Civilian labor force</strong></td>
<td>166,274,373</td>
<td>±159,720</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unemployment Rate</td>
<td>(X)</td>
<td>(X)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Females 16 years and over</td>
<td>135,038,002</td>
<td>±37,248</td>
<td>58.8%</td>
<td>±0.1</td>
</tr>
<tr>
<td>In labor force</td>
<td>79,377,718</td>
<td>±105,101</td>
<td>58.6%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Civilian labor force</td>
<td>79,149,479</td>
<td>±106,079</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tools for Data Access: Census**

The 2020 Redistricting Data will be available on data.census.gov no later than September 30th. The redistricting legacy format summary files are now available on the FTP site. Support materials and additional information are available on the Redistricting Data Program's summary file webpage.
Tools for Data Access: BLS

Local Area Unemployment Statistics

Series Id: LASST3400000000000003
Seasonally Adjusted
Area: New Jersey
Area Type: Statewide
State/Region/Division: New Jersey
Measure: unemployment rate

![Unemployment Rate Graph](image)

Download: [xls](link)
Tools for Data Consumption: QWI

QWI Explorer

- Geography Level: New Jersey
- Indicator: Emp - Beginning of Quarter Employment: Count
- Filters/Aggregations: Time: X-Axis, Geography: Group, Industries: None, Firm Ownership: All Ownership, Firm Age/Size: None, Worker Characteristics: None
- QWI Status Flags: Data not available to compute this estimate.

Graph showing trends over time for various counties in New Jersey.
Tools for Data Consumption: FRED

Source: https://fred.stlouisfed.org/
Tools for Data Consumption: O*Net

Browse Bright Outlook Occupations

Bright Outlook occupations are expected to grow rapidly in the next several years, or will have large numbers of job openings.

Numerous Job Openings

These occupations are projected to have 100,000 or more job openings over the period 2019-2029 for the US nationwide.

Sort by: Code Occupation

13-2011.00 Accountants and Auditors  Bright Outlook
29-1141.01 Acute Care Nurses
29-1141.02 Advanced Practice Psychiatric Nurses
35-3023.01 Bartenders
35-3011.00 Bartenders
43-3031.00 Bookkeeping, Accounting, and Auditing Clerks
41-2011.00 Cashiers
39-9011.00 Childcare Workers
29-1141.04 Clinical Nurse Specialists
47-2061.00 Construction Laborers
35-2014.00 Cooks, Restaurant
29-1141.03 Critical Care Nurses
43-4051.00 Customer Service Representatives
25-2021.00 Elementary School Teachers, Except Special Education

Source: https://www.onetonline.org/
Tools for Data Consumption: O*Net

Summary Report for:
29-1141.04 - Clinical Nurse Specialists

Direct nursing staff in the provision of patient care in a clinical practice setting, such as a hospital, hospice, clinic, or home. Ensure adherence to established clinical policies, protocols, regulations, and standards.

Sample of reported job titles: Cardiology Clinical Nurse Specialist, Clinical Nurse Specialist, Critical Care Clinical Nurse Specialist, Emergency Clinical Nurse Specialist, ICU Clinical Nurse Specialist (Intensive Care Unit Clinical Nurse Specialist), Neuroscience Clinical Nurse Specialist, Pediatric Clinical Nurse Specialist, Psychiatric Adult Clinical Nurse Specialist, Trauma ICU Clinical Nurse Specialist (Trauma Intensive Care Unit Clinical Nurse Specialist)

Tasks

- Evaluate the quality and effectiveness of nursing practice or organizational systems.
- Collaborate with other health care professionals and service providers to ensure optimal patient care.
- Develop and maintain departmental policies, procedures, objectives, or patient care standards, based on evidence-based practice guidelines or expert opinion.
- Develop nursing service philosophies, goals, policies, priorities, or procedures.
- Direct or supervise nursing care staff in the provision of patient therapy.

Technology Skills

- Electronic mail software — Email software
- Medical software — Bizmatics Prognosis EHR, GE Healthcare Centricity EHR, Medscriptor Enterprise; StatCom Patient Flow Logistics Enterprise Suite
- Office suite software — Microsoft Office
- Presentation software — Microsoft PowerPoint
- Spreadsheet software — Microsoft Excel

Knowledge

- Technology — a technology requirement frequently included in employee job postings.
Additional Resources

• US Census Bureau www.census.gov
• IPUMS https://usa.ipums.org/usa/
• Bureau of Economic Analysis www.bea.gov
• Projections Central www.projectionscentral.com
• Ohio LMI www.ohiolmi.com
• Your state’s LMI site http://www.bls.gov/bls/ofolist.htm

Source: LMI Institute 2019