

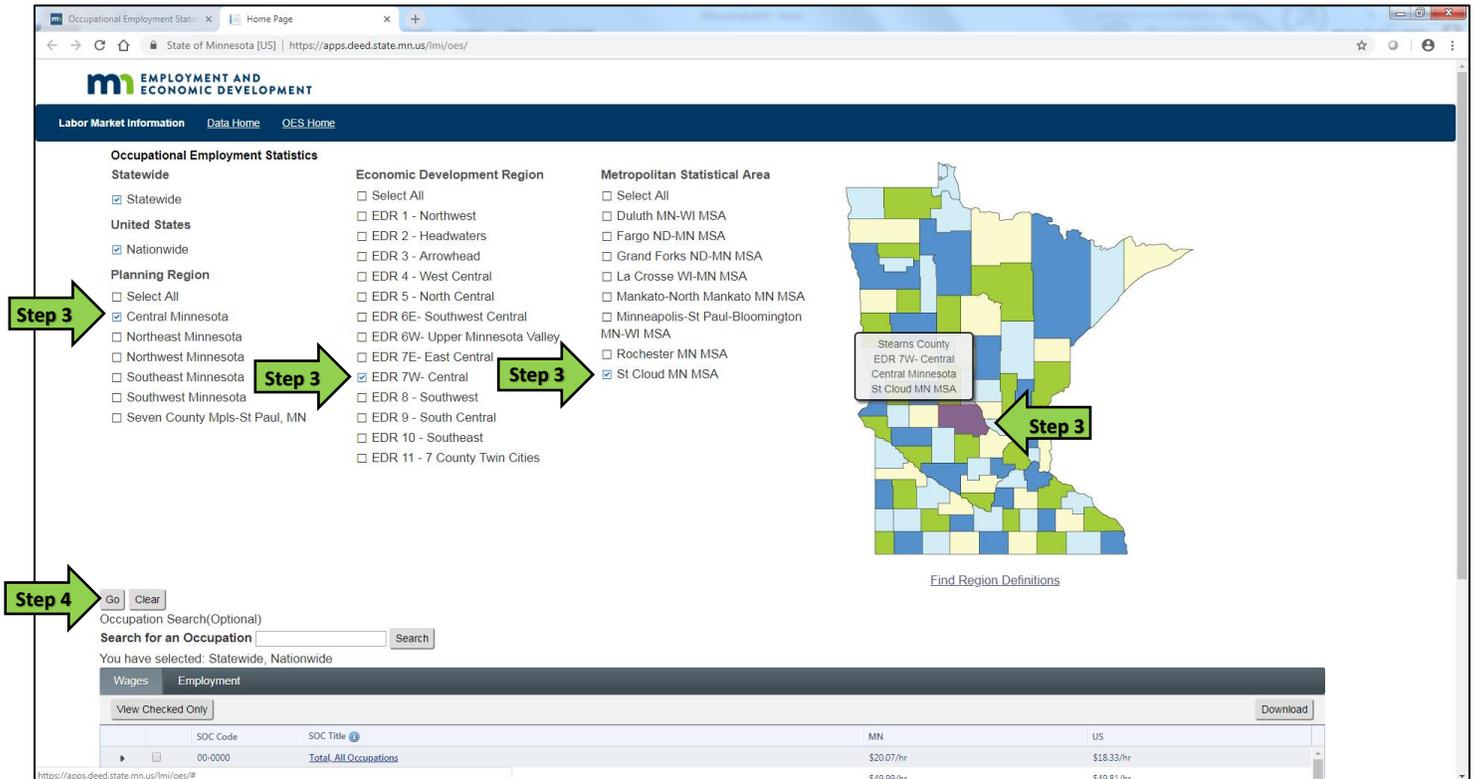
# DEED's Occupational Employment Statistics (OES) Tool Tutorial

**Step 1:** Go to <http://www.mn.gov/deed/data/data-tools/oes/>

**Step 2:** Click on  "Use the data tool" (<https://apps.deed.state.mn.us/lmi/oes/Results.aspx>)

**Step 3:** Select a geographic area from the menus, or scroll over the map to choose a county

**Step 4:** Click on the "Go" button to update the wage table



**Step 3** → **Planning Region**

- Select All
- Central Minnesota
- Northeast Minnesota
- Northwest Minnesota
- Southeast Minnesota
- Southwest Minnesota
- Seven County Mpls-St Paul, MN

**Step 3** → **Economic Development Region**

- Select All
- EDR 1 - Northwest
- EDR 2 - Headwaters
- EDR 3 - Arrowhead
- EDR 4 - West Central
- EDR 5 - North Central
- EDR 6E - Southwest Central
- EDR 6W - Upper Minnesota Valley
- EDR 7E - East Central
- EDR 7W - Central
- EDR 8 - Southwest
- EDR 9 - South Central
- EDR 10 - Southeast
- EDR 11 - 7 County Twin Cities

**Step 3** → **Metropolitan Statistical Area**

- Select All
- Duluth MN-WI MSA
- Fargo ND-MN MSA
- Grand Forks ND-MN MSA
- La Crosse WI-MN MSA
- Mankato-North Mankato MN MSA
- Minneapolis-St Paul-Bloomington MN-WI MSA
- Rochester MN MSA
- St Cloud MN MSA

**Step 4** → **Go**

Occupation Search(Optional)  
 Search for an Occupation  Search

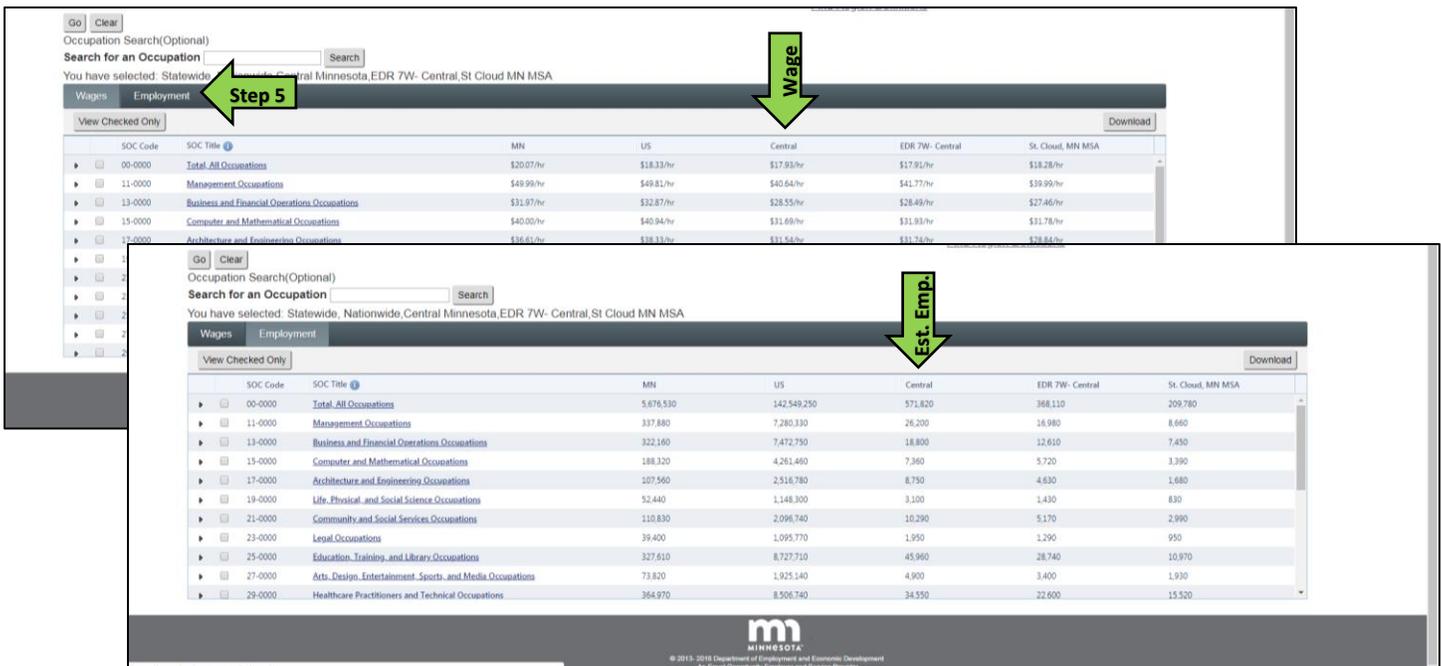
You have selected: Statewide, Nationwide

Wages | Employment

View Checked Only Download

SOC Code	SOC Title	MN	US
00-0000	Total, All Occupations	\$20.07/hr	\$16.33/hr

**Step 5:** Click on the "Employment" tab to see employment estimates instead of wage estimates



**Step 5** → **Employment**

You have selected: Statewide, Nationwide, Central Minnesota, EDR 7W - Central, St Cloud MN MSA

Wages | Employment

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SOC Code	SOC Title	MN	US	Central	EDR 7W - Central	St. Cloud, MN MSA
00-0000	Total, All Occupations	5,676,530	142,549,250	571,820	368,110	209,780
11-0000	Management Occupations	337,880	7,280,330	26,200	16,980	8,660
13-0000	Business and Financial Operations Occupations	322,160	7,472,750	18,800	12,610	7,450
15-0000	Computer and Mathematical Occupations	188,320	4,261,460	7,360	5,720	3,390
17-0000	Architecture and Engineering Occupations	107,560	2,516,780	8,750	4,630	1,680
19-0000	Life, Physical, and Social Science Occupations	52,440	1,148,300	3,100	1,430	830
21-0000	Community and Social Services Occupations	110,830	2,096,740	10,290	5,170	2,990
23-0000	Legal Occupations	39,400	1,095,770	1,950	1,290	950
25-0000	Education, Training, and Library Occupations	327,610	8,727,710	45,960	28,740	10,970
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	73,820	1,925,540	4,900	3,400	1,930
29-0000	Healthcare Practitioners and Technical Occupations	364,970	8,506,740	34,550	22,600	15,520

**Step 6:** Type a job title into the “Search for an Occupation” text box, Click on “Search”

**Step 7:** From the “Choose a specific kind of job” dropdown menu, select an occupation, Click on “Search”

**Step 8:** Or click on the “>” triangle next to an occupational group to see an expanded list of detailed occupations

**Step 9:** Click on the occupational title to see a detailed occupational page, including an occupational description, median and 10<sup>th</sup>-90<sup>th</sup> wage percentiles, leading industries of employment, other regional data, related occupations, and a list of typical tasks for the occupation:

**Occupational Description:**  
Analyze science, engineering, business, and other data processing problems to implement and improve computer systems. Analyze user requirements, procedures, and problems to automate or improve existing systems and review computer system capabilities, workflow, and scheduling limitations. May analyze or recommend commercially available software.

Geography	Employment	Emp SE*	Mean	10th	25th	Median	75th	90th
St. Cloud, MN MSA	250	58	\$35.15/hr	\$22.49/hr	\$27.15/hr	\$33.80/hr	\$41.52/hr	\$53.17/hr
Central Minnesota	580	67	\$35.39/hr	\$21.85/hr	\$26.96/hr	\$34.32/hr	\$43.42/hr	\$52.55/hr
EDR 7W- Central	430	65	\$35.11/hr	\$22.71/hr	\$27.26/hr	\$33.80/hr	\$41.57/hr	\$52.22/hr
Minnesota	16,630	682	\$44.17/hr	\$26.60/hr	\$33.62/hr	\$42.72/hr	\$53.44/hr	\$63.94/hr
US	581,960	5,820	\$44.90/hr	\$26.02/hr	\$33.05/hr	\$42.74/hr	\$54.49/hr	\$67.71/hr

Industry	OES Employment (Statewide)	OES Median Wage (Statewide)
Construction	N/A	\$41.39/hr
Manufacturing	1,030	\$44.34/hr
Trade, Transportation and Utilities	940	\$39.98/hr
Information	990	\$33.86/hr
Financial Activities	3,110	\$42.88/hr
Professional and Business Services	8,860	\$44.67/hr
Education and Health Services	1,260	\$39.57/hr
Leisure and Hospitality	10	\$35.69/hr
Other Services	30	\$40.68/hr
Public Administration	320	\$41.56/hr

Geography	Employment	Median Wage	Projections % Change 2016-2026
Northeast Balance of State	N/A	N/A	N/A
Grand Forks, ND-MN MSA	40	\$38.05/hr	N/A
Mankato-North Mankato, MN MSA	100	\$36.04/hr	N/A
Southwest Balance of State	110	\$32.86/hr	N/A
Southeast Balance of State	210	\$36.61/hr	N/A
Southwest Minnesota	250	\$36.08/hr	8.6%
St. Cloud, MN MSA	250	\$33.80/hr	N/A
Northeast Minnesota	280	\$35.27/hr	31.4%
Duluth, MN-WI MSA	300	\$35.10/hr	N/A
La Crosse, WI-MN MSA	310	\$33.25/hr	N/A
Fargo, ND-MN MSA	370	\$35.28/hr	N/A
Rochester, MN MSA	380	\$41.31/hr	N/A

Occupations	Employment	Median Wage	Projections % Change 2016-2026
Web Developers	2,830	\$35.36/hr	7.8%
Software Developers, Applications	17,330	\$43.67/hr	23.7%
Database Administrators	2,300	\$42.16/hr	9.4%
Computer Occupations, All Other	6,020	\$36.05/hr	9.6%
Computer and Information Systems Managers	9,550	\$65.14/hr	8.3%
Information Security Analysts	3,460	\$45.97/hr	23.7%

**Task for Computer Systems Analysts**

- Apply knowledge of computer science, information science, nursing, and informatics theory to nursing practice, education, administration, or research, in collaboration with other health informatics specialists.
- Design, develop, select, test, implement, and evaluate new or modified informatics solutions, data structures, and decision-support mechanisms to support patients, health care professionals, and their information management and human-computer and human-technology interactions within health care contexts.
- Apply knowledge of computer science, information science, nursing, and informatics theory to nursing practice, education, administration, or research, in collaboration with other health informatics specialists.
- Use the computer in the analysis and solution of business problems, such as development of integrated production and inventory control and cost analysis systems.
- Develop strategies, policies or procedures for introducing, evaluating or modifying information technology applied to nursing practice, administration, education, or research.
- Analyze and interpret patient, nursing, or information systems data to improve nursing services.
- Provide staff and users with assistance solving computer related problems, such as malfunctions and program problems.
- Test, maintain, and monitor computer programs and systems, including coordinating the installation of computer programs and systems.
- Troubleshoot program and system malfunctions to restore normal functioning.
- Identify, collect, record or analyze data that are relevant to the nursing care of patients.

For additional help, contact your **DEED Regional Analyst:**  
<http://mn.gov/deed/data/regional-lmi/index.jsp>