Nebraska's Current and Future Workforce

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CONNECTING PEOPLE TO OPPORTUNITIES



Good Life. Great Connections.

Labor Market Information (LMI) Relevance

- What occurs to you about LMI data?
- What additional questions come to mind?
- How might you use LMI data applied to your work, your career, your family, our community?
- What might result when different systems, schools, businesses use LMI together?



Nebraska Snapshot

	<u>June</u> <u>2019</u>	<u>June</u> <u>2018</u>	<u>Difference</u>	
National Unemployment Rate (not seasonally adjusted)	3.8%	4.2%	-0.4	
Nebraska Unemployment Rate (not seasonally adjusted)	3.4%	3.0%	0.4	
Total Employed Individuals (not seasonally adjusted)	1,016,098	1,001,932	14,166 (1.4%)	
Total Unemployed Individuals (not seasonally adjusted)	35,258	31,124	4,134 (13.3%)	
	<u>June</u> <u>2019</u>	<u>June</u> <u>2018</u>	<u>Difference</u>	
Nebraska Total Non-farm Employment	1,040,404	1,034,426	5,978 (0.6%)	
Seasonally adjusted rates: Nebraska (3.0%) 7th lowest rate in the NEBRASKA nation, tied with Colorado and Massachusetts. Vermont is the lowest				

nation, tied with colorado and Massachusetts. Vermont is the lowest (2.1%).



Unemployment Rates

June 2019 Unemployment Rates by County-Not Seasonally Adjusted







Nebraska: 3.4% National: 3.8%



Alternative Measures of Labor Underutilization as Percent of Civilian Labor Force, 3rdQ 2018-2ndQ 2019 averages (percent)

U-1, persons unemployed 15 weeks or longer

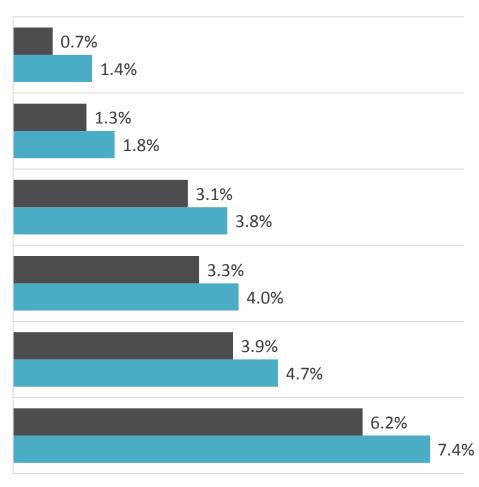
U-2, job losers and persons who completed temporary jobs

U-3, total unemployed (this is the definition used for the official unemployment rate)

U-4, total unemployed plus discouraged workers

U-5, total unemployed, plus discouraged workers, plus all other marginally attached workers

U-6, total unemployed, plus all marginally attached workers, plus total employed part time for economic reasons



Nebraska United States

Number of Unemployed per Job Opening, June 2019

Less than 1: More Jobs than Unemployed Greater than 1: More Unemployed than Jobs Equal to 1: Balanced Nebraska Ratio: 0.92



Top 5 Largest Industries in Nebraska in 2018

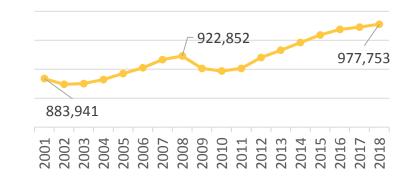
Industry	Average Employment	% of Total State Employment
Educational Services	89,331	9.1%
Food Services and Drinking		
Places	69,216	7.1%
Administrative and Support		
Services	49,116	5.0%
Professional and Technical		
Services	46,614	4.8%
Ambulatory Health Care		
Services	43,461	4.4%

Total employment in Nebraska: 977,753



Nebraska Employment 2001-2018

Total, All Industries



Information

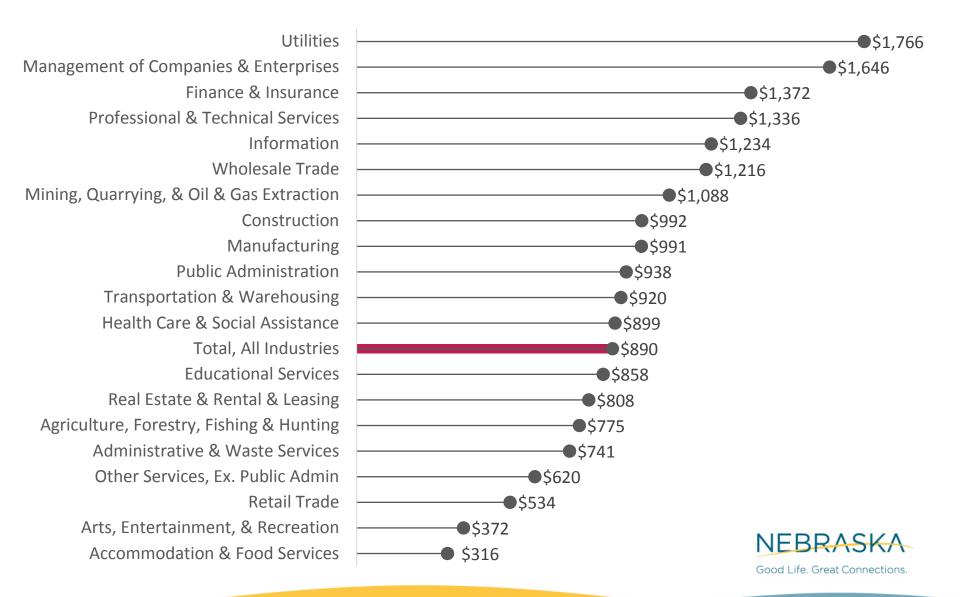
Trade, Transportation,

and Utilities



18,911 206,160 25,918 17,777 201,664 201,033 **Education and Health** Leisure and Hospitality Other Services (Except Government Services Government) 83.302 49,444 93,188 24,716 206,494 77,339 25,483 49,800 25,757 180,377 233,963

Average Weekly Wages by Industry, 2018



Gender Distribution by Industry, 2017

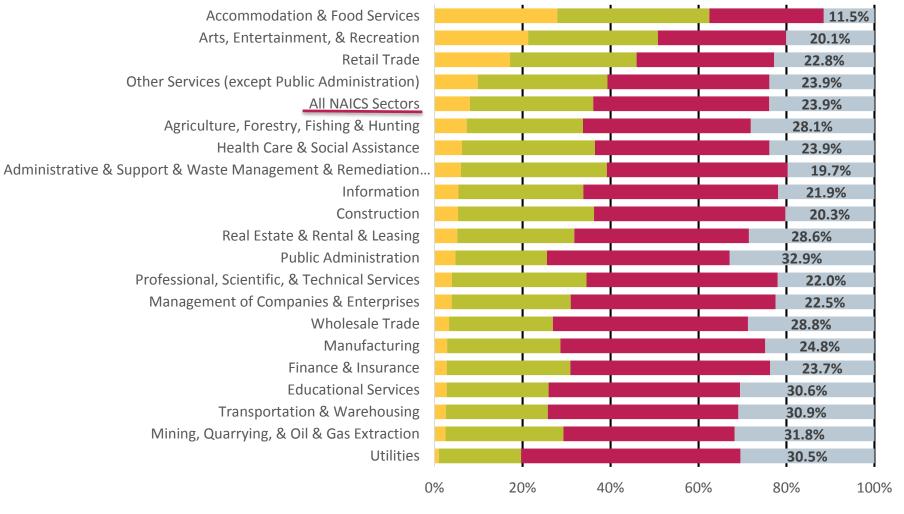
	88.5%	11.6%
	86.6%	13.4%
	81.8%	18.2%
7	8.6%	21.4%
76	5.5%	23.5%
75	.5%	24.5%
71.0)%	29.0%
58.9%		41.1%
54.4%		45.6%
52.9%		47.1%
		47.8%
51.3%		48.7%
50.1%		49.9%
49.8%		50.2%
49.7%		50.3%
49.0%		51.0%
46.7%		53.3%
44.2%		55.8%
38.6%		61.4%
31.6%	6	68.4%
18.4%	81.6%	/ 0
0%	50%	100%

Mining, Quarrying, & Oil & Gas Extraction Construction **Transportation & Warehousing** Utilities Agriculture, Forestry, Fishing & Hunting Wholesale Trade Manufacturing Information Public Administration Real Estate & Rental & Leasing Administrative & Support & Waste Management & Remediation.. Professional, Scientific, & Technical Services All NAICS Sectors Management of Companies & Enterprises Retail Trade Other Services (except Public Administration) Arts, Entertainment, & Recreation Accommodation & Food Services Finance & Insurance Educational Services

Health Care & Social Assistance

■ % Male ■ % Female

Age Distribution by Industry, 2017



■ 14-21 ■ 22-34 ■ 35-54 ■ 55-99

Race Distribution by Industry, 2017

Administrative & Support & Waste Management & Remediation			•	82.4%		
Transportation & Warehousing				84.3%		
Accommodation & Food Services				84.7%		
Manufacturing				85.3%		
Information				89.2%		
Health Care & Social Assistance				89.5%		
Management of Companies & Enterprises				89.7%		
All NAICS Sectors				89.7%		
Retail Trade				90.9%		
Professional, Scientific, & Technical Services				91.7%		
Other Services (except Public Administration)				91.8%		
Real Estate & Rental & Leasing				92.4%		
Finance & Insurance				92.4%		
Arts, Entertainment, & Recreation				92.5%		
Public Administration				92.8%		
Educational Services				92.8%		
Construction				94.1%		
Agriculture, Forestry, Fishing & Hunting				95.3%		
Utilities				95.3%		
Wholesale Trade				96.0%		
Mining, Quarrying, & Oil & Gas Extraction			9	8.0%		
(0%	20%	40%	60%	80%	1009
American Indian or Alaska Native Alone	As	ian Alone				

American Indian or Alaska Native Alone

- Black or African American Alone
- Two or More Race Groups

Asian Alone

Native Hawaiian or Other Pacific Islander Alone

White Alone

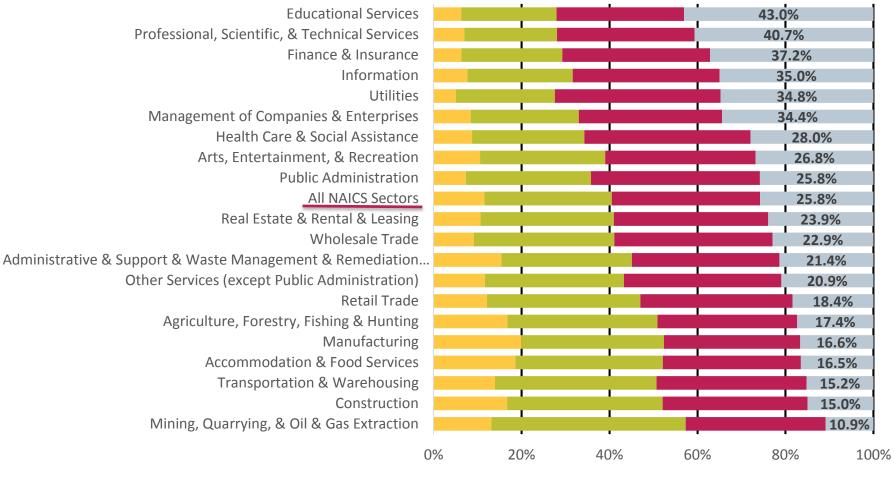
Ethnicity by Industry, 2017

Manufacturing	23.6	%		76.4%		
Agriculture, Forestry, Fishing & Hunting	16.0%			84.0%		
Administrative & Support & Waste Management & Remediation.	14.5%			85.5%		
Accommodation & Food Services	13.5%			86.5%		
Construction	13.1%			86.9%		
All NAICS Sectors	9.3%			90.7%		
Retail Trade	8.2%			91.8%		
Transportation & Warehousing	8.1%	1	I	91.9%	I	
Other Services (except Public Administration)	6.9%			93.1%		
Arts, Entertainment, & Recreation	6.2%	1		93.8%	I	
Real Estate & Rental & Leasing	6.1%	1		93.9%		
Health Care & Social Assistance	6.1%	1		93.9%		
Management of Companies & Enterprises	5.8%	1		94.2%		
Information	4.8 <mark>%</mark>		ģ	95.2%		
Finance & Insurance	4.7%		ġ	95.3%		
Wholesale Trade	4.4 <mark>%</mark>	I	g	95.6%		
Public Administration	4.1 <mark>%</mark>		g	5.9%		
Professional, Scientific, & Technical Services	4.1%	I	9	5.9%		
Educational Services	4.1%		9	5.9%		
Mining, Quarrying, & Oil & Gas Extraction	3 <mark>.5%</mark>	I	9	6.5%		
Utilities	2.9%	1	9	7.1%		
	0%	20%	40%	60%	80%	10

% Hispanic or Latino

% Not Hispanic or Latino

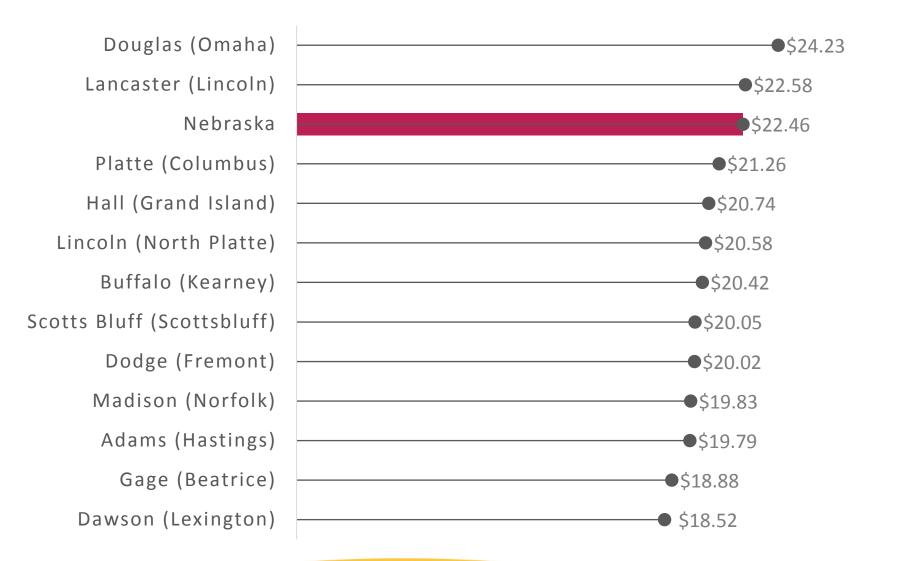
Education by Industry, 2017



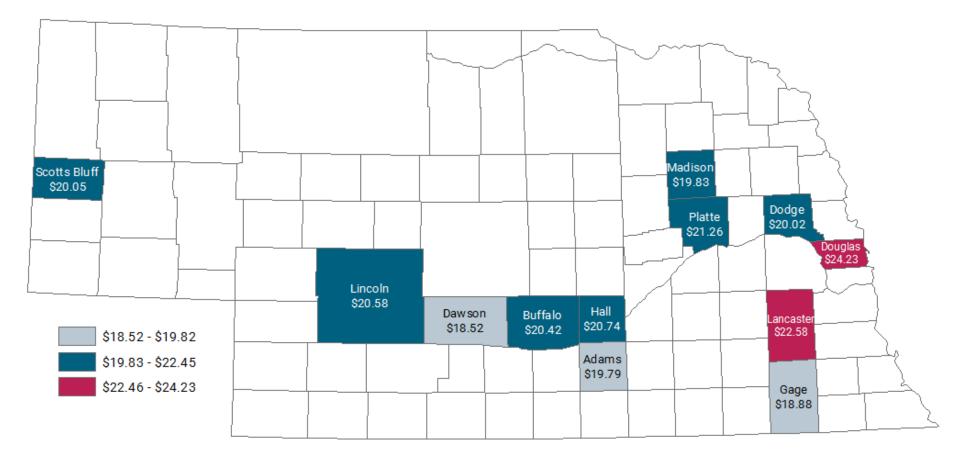
Less than high school

- Some college or Associate degree
- High school or equivalent, no college
- Bachelor's degree or advanced degree

Average Hourly Wages by County, Q1 2019



Average Hourly Wages by County, Q1 2019



NEBRASKA Good Life. Great Connections.

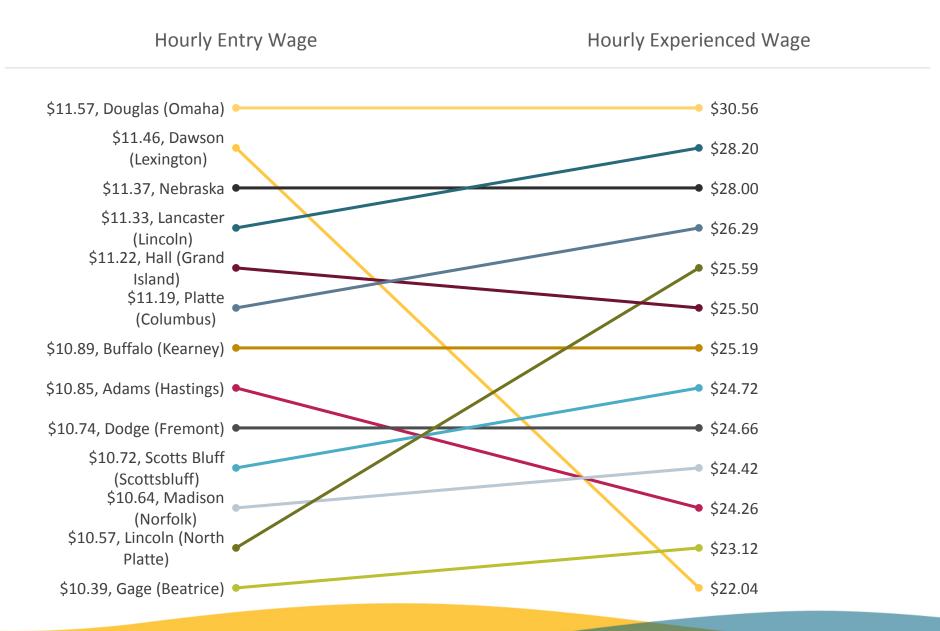
Highest Paying Occupation by County, Q1 2019

County	Occupation	Avg Hourly Wage	Avg Annual Wage
	Education Administrators, Elementary & Secondary		
Gage (Beatrice)	School	\$48.79*	\$101,488
Madison (Norfolk)	Lawyers	\$59.21	\$123,162
	Sales Representatives, Wholesale & Manufacturing,		
Adams (Hastings)	Technical & Scientific Products	\$68.73	\$142,949
Dodge (Fremont)	Chief Executives	\$74.70	\$155,370
Dawson (Lexington)	Chief Executives	\$95.97	\$199,615
Scotts Bluff (Scottsbluff)	Physicians & Surgeons, All Other	\$110.39	\$229,613
Hall (Grand Island)	Physicians & Surgeons, All Other	\$120.97	\$251,612
Lincoln (North Platte)	Family & General Practitioners	\$136.75	\$284,441
Buffalo (Kearney)	Family & General Practitioners	\$139.12	\$289,372
Platte (Columbus)	Family & General Practitioners	\$145.23	\$302,072
Lancaster (Lincoln)	Anesthesiologists	\$145.75	\$303,165
Douglas (Omaha)	Orthodontists	\$146.94	\$305,633

*Hourly wages not available and calculated by dividing the annual wage by 2,080 to get an estimated hourly wage for comparison purposes.



Hourly Entry and Experienced Wages, Q1 2019



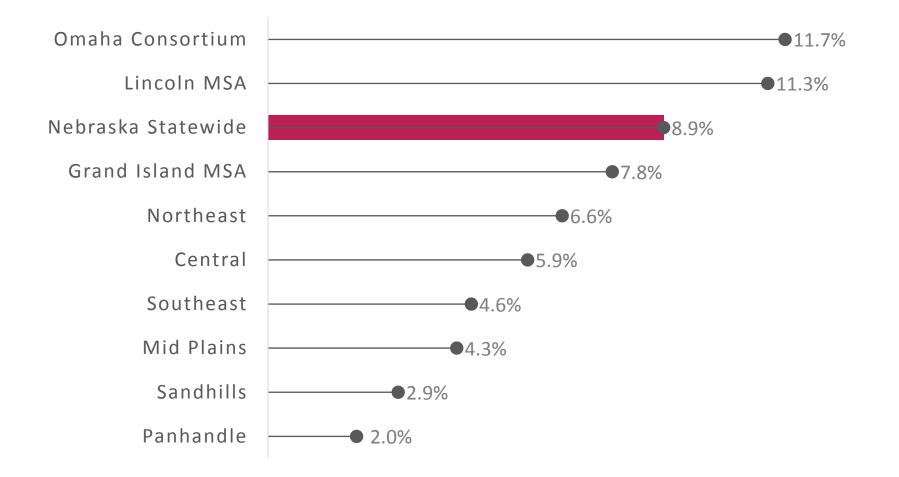
Nebraska Employment Projections

- Industry and Occupational
 - Produced for Statewide and 9 Economic Regions
- Two time frames
 - Short-term
 - Two year time frame, current 2018-2020
 - Produced every year and comes out early March
 - Long-term
 - Ten year time frame, current 2016-2026
 - Produced every other year in even years and comes out in early July
 - Next update will be in 2020

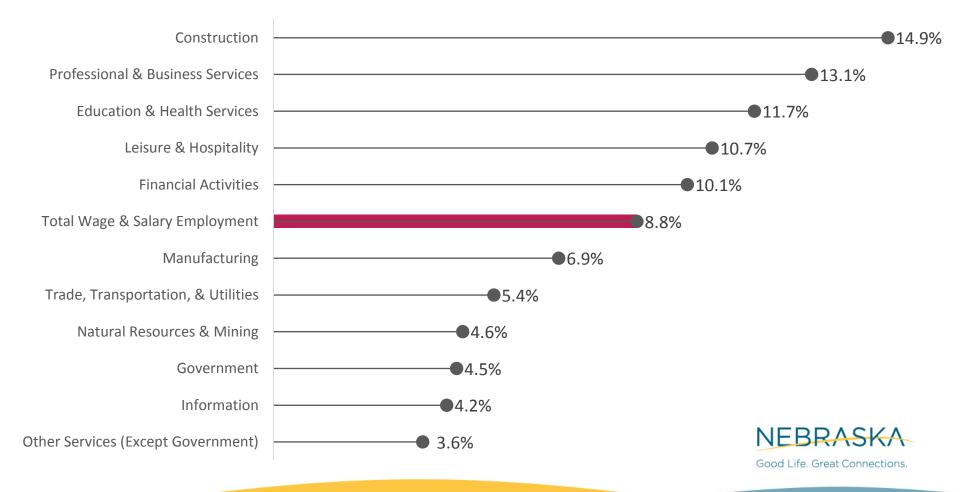




Long-term Projections by Region (2016-2026)



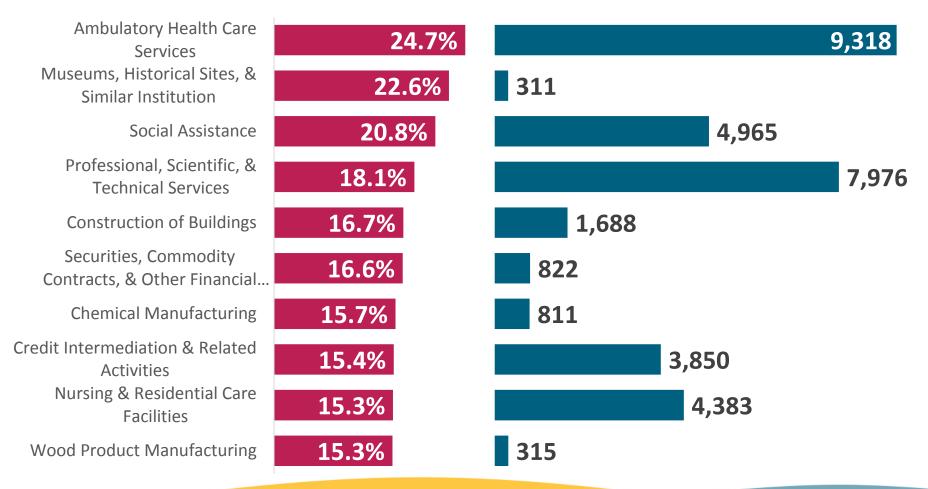
Statewide Long-term Industry Projections (2016-2026)



Top 10 Fastest Growing Industries Nebraska Statewide, 2016-2026

Percent Change

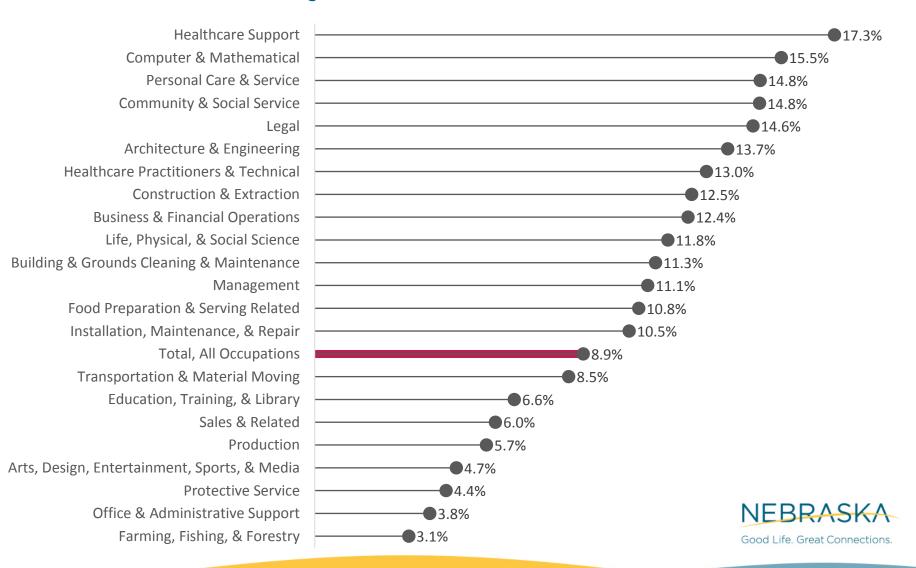
Numeric Change



Fastest Growing Industry By Region, 2016-2026

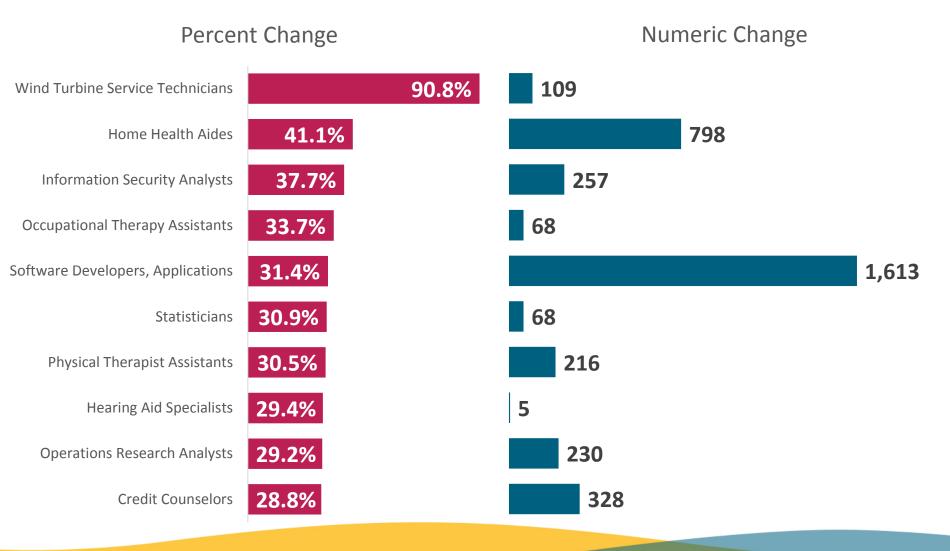
Region	Industry Title	Percent Change	Numeric Change
Omaha Consortium	Social Assistance	28.9%	3,301
Lincoln MSA	Nursing and Residential Care Facilities	26.8%	1,235
Grand Island MSA	Ambulatory Health Care Services	24.3%	424
Mid Plains	Ambulatory Health Care Services	19.7%	305
Northeast	Waste Management and Remediation Service	22.0%	74
Panhandle	Publishing Industries (except Internet)	28.1%	34
Sandhills-tie	Securities, Commodity Contracts, and Other Financial Investments and Related Activities	12.5%	2
Sandhills-tie	Real Estate	12.5%	4
Southeast	Truck Transportation	20.0%	107
Statewide	Ambulatory Health Care Services	24.7%	9,318

Statewide Long-term Occupational Projections (2016-2026)



Top 10 Fastest Growing Occupations Nebraska Statewide, 2016-2026

For occupations with employment of 15 or more in 2016



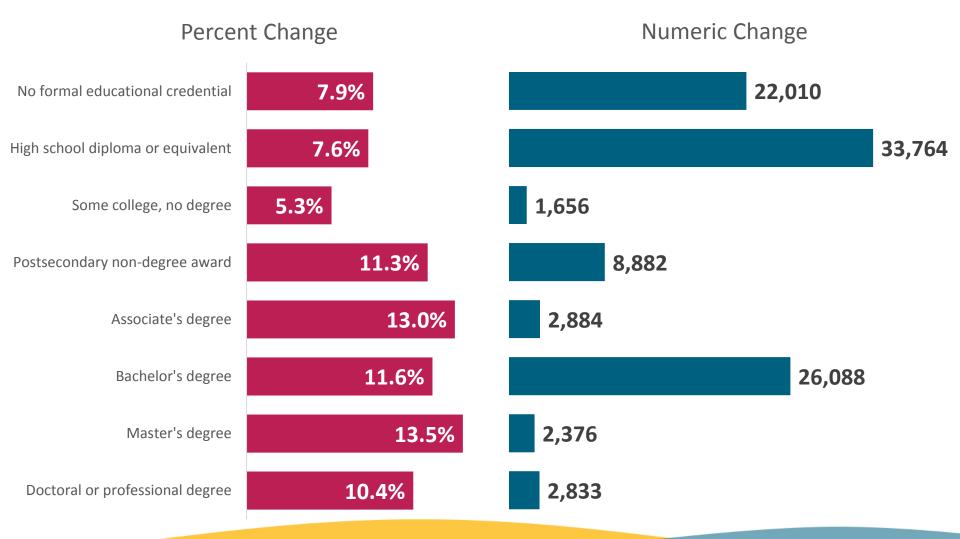
Fastest Growing Occupation By Region, 2016-2026

For occupations with employment of 15 or more in 2016

Region	SOC Title	Percent Change	2016 Estimated Employment	2026 Projected Employment	Numeric Change
Omaha Consortium		54.7%	591	914	323
	Computer Numerically Controlled Machine Tool Programmers, Metal				
Lincoln MSA	and Plastic	42.9%	21	30	9
Grand Island MSA	Physical Therapist Assistants	38.0%	71	98	27
Central Region	Probation Officers and Correctional Treatment Specialists	45.5%	22	32	10
Mid Plains Region	Occupational Therapy Assistants	40.0%	15	21	6
Northeast Region	Wind Turbine Service Technicians	84.1%	126	232	106
Panhandle Region	Editors	42.5%	40	57	17
Sandhills Region	Home Health Aides	31.1%	45	59	14
Southeast Region	Software Developers, Applications	22.6%	31	38	7

Statewide Long-term Projections by Education (2016-2026)

Total all occupations: 8.9% 100,493



High Wage, High Skill, High Demand (H3) Occupations

- Lists are created for Statewide and all of the 9 economic regions
- Occupations are scored against their region, so an occupation may be H3 in one area but not another
- Demand:
 - Future demand based on long-term projections-not current demand!
 - Combination of:
 - Number of Projected Openings
 - Net Change in Employment
 - Growth Rate
- Skill:
 - Some College or higher

OR

- High School Diploma or Equivalent + Long-term on-the-job training, Apprenticeship, or Internship/residency
- Wage:
 - Higher than the all occupations wage in 4+ out of 8 wage categories
- New lists come out in fall of even numbered years (uses long-term projections), next list will be in 2020





Top 10 H3 Occupations - Statewide

	Avg Annua Wage	I Education, Work Experience (years), Job Training	Avg Annual Openings
Heavy and Tractor-Trailer Truck		Postsecondary non-degree award,	
Drivers	\$44,718	None, Short-term OJT	3,438
Registered Nurses	\$62,086	Bachelor's degree, None, None	1,600
General and Operations Managers	\$105,793	Bachelor's degree, 5+, None	1,476
Carpenters	\$38,278	High school diploma or equivalent, None, Apprenticeship	1,288
Accountants and Auditors	\$69,348	Bachelor's degree, None, None	1,082
Software Developers, Applications	\$89 <i>,</i> 563	Bachelor's degree, None, None	534
Elementary School Teachers, Except			
Special Education	\$56,298	Bachelor's degree, None, None	865
		High school diploma or equivalent,	
Electricians	\$49,386	None, Apprenticeship	703
Plumbers, Pipefitters, and		High school diploma or equivalent,	
Steamfitters	\$55,155	None, Apprenticeship	658
Secondary School Teachers, Except Special and Career/Technical			
Education	\$56,267	Bachelor's degree, None, None	629

Top 10 H3 by Region

SOC Title	Statewide	Lincoln	Omaha
Heavy & Tractor-Trailer Truck Drivers	1	1	1
Registered Nurses	2	2	2
General & Operations Managers	3	3	3
Carpenters	4		5
Accountants & Auditors	5	5	4
Software Developers, Applications	6	4	6
Elementary School Teachers, Except Special Education	7	7	9
Electricians	8		7
Plumbers, Pipefitters, & Steamfitters	9		
Secondary School Teachers, Except Special &			
Career/Technical Education	10	6	
Compliance Officers		8	
Business Operations Specialists, All Other		9	10
Market Research Analysts & Marketing Specialists		10	8



Labor Market Information (LMI) Relevance

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How to Find it

Labor Market Information (LMI) Homepage: <u>neworks.nebraska.gov</u> then click on "Labor Market Analysis" under the Labor Market Information section

Quarterly Census of Employment and Wages (QCEW) data (Largest Industries, employment 2001-2018, weekly wages): left menu, under "Data Trends" click on Employment and Wage Data->Industry Data->Quarterly Census of Employment and Wages (QCEW)

Current Employment Statistics (CES) data (Total non-farm employment): left menu, under "Data Trends" click on Employment and Wage Data->Industry Data-><u>Current Employment Statistics (CES)</u>

Occupational Employment Statistics (OES) data (Occupational wages, contact us for county level data): left menu, under "Data Trends" click on Employment and Wage Data->Occupation Data-><u>Occupational Employment and Wages (OES)</u>

Local Area Unemployment Statistics (LAUS) data (Unemployment Rate, employed and unemployed): left menu, under "Data Trends" click on Employment and Wage Data->Labor Force Data->Labor Force Employment and Unemployment (LAUS) **OR** In the upper left, Labor Market Data->Labor Force Data **OR** Labor Market Data->Data Download Center->Local Area Unemployment Statistics Data Files

Occupational Projections Data: left menu, under "Historical Data Analysis" click on Employment and Wage Data->Occupation Data->Occupation Employment and Projections, choose long-term or short-term **OR** Labor Market Data->Data Download Center->Occupational Employment Projections Data Files

Industry Projections Data: left menu, under "Data Trends" click on Employment and Wage Data->Industry Data->Industry Employment and Projections, choose long-term or short-term **OR** Labor Market Data->Data Download Center-><u>Industry Employment</u> Projections Data Files

H3 Spreadsheets: Labor Market Data->Data Download Center->High Wage, High Skill, High Demand (H3) Occupations

Unemployed Per Job Opening: Labor Market Profile->Area Profile->Supply and Demand

Demographic Information by Industry: Lehd.ces.census.gov, select QWI Explorer or LED Extraction Tool

U1-6 Rates: www.bls.gov-> Subjects-> State & Local Unemployment Rates -> Alternative Measures of Labor Underutilization for States

Contact Information

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