

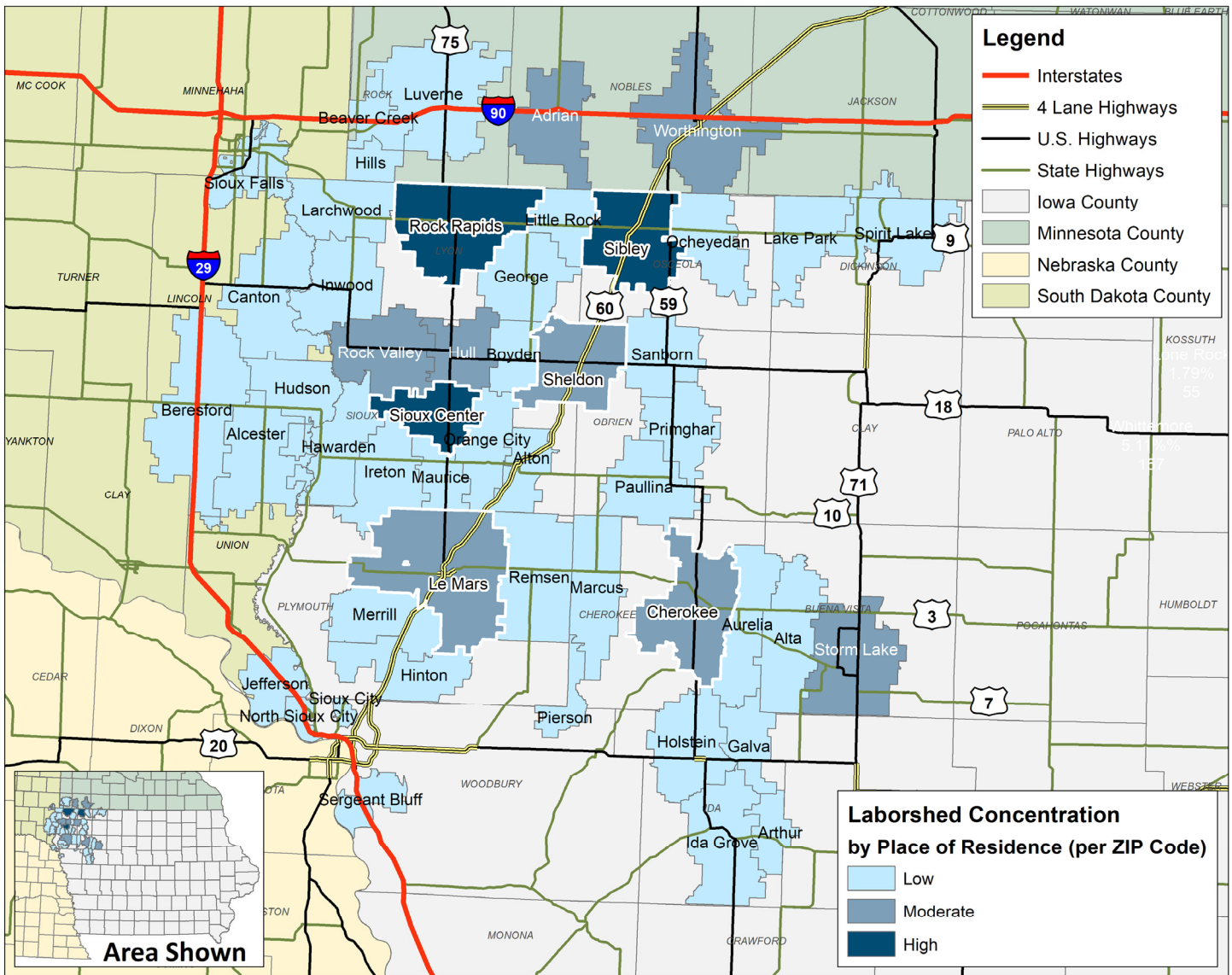
LABOR CHARACTERISTICS

BIOTECHNOLOGY



NORTHWEST IOWA DEVELOPMENT REGIONAL LABORSHED AREA

CONCENTRATION OF RESPONDENTS WITHIN THE LABORSHED AREA
WITH TRANSFERABLE EXPERIENCE/SKILLS BY PLACE OF RESIDENCE



Workers who have transferable experience/skills in the industry are currently commuting an average of 9 miles one way for work. Those who are likely to change/accept employment are willing to commute an average of 20 miles one way for the right employment opportunity.

FOR MORE INFORMATION REGARDING THE NORTHWEST IOWA DEVELOPMENT REGIONAL LABORSHED, CONTACT:

LABOR CHARACTERISTICS

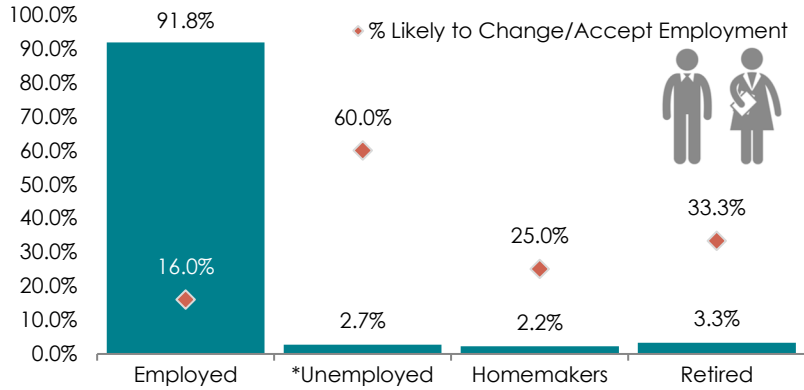


BIOTECHNOLOGY

ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

- Agricultural Inspectors - 1.1%
- Agricultural Workers, All Other - 2.2%
- Animal Breeders - 0.5%
- Architectural and Engineering Managers - 1.1%
- Biological Technicians - 0.5%
- Buyers and Purchasing Agents, Farm Products - 0.5%
- Chemical Technicians - 0.5%
- Conservation Scientists - 1.1%
- Cooling and Freezing Equipment Operators and Tenders - 0.5%
- Dietetic Technicians - 1.1%
- Dietitians and Nutritionists - 1.6%
- Engineering Technicians, Except Drafters, All Other - 2.2%
- Engineers, All Other - 7.6%
- Environmental Scientists and Specialists, Including Health - 0.5%
- Farmers, Ranchers, and Other Agricultural Managers - 45.1%
- Farmworkers and Laborers, Crop, Nursery, and Greenhouse - 3.3%
- Farmworkers, Farm, Ranch, and Aquacultural Animals - 4.3%
- First-Line Supervisors of Farming, Fishing, and Forestry Workers - 1.1%
- First-Line Supervisors of Production and Operating Workers - 8.2%
- Food Scientists and Technologists - 0.5%
- Industrial Engineers - 2.2%
- Industrial Production Managers - 5.4%
- Inspectors, Testers, Sorters, Samplers, and Weighers - 1.6%
- Life, Physical, and Social Science Technicians, All Other - 1.6%
- Medical and Clinical Laboratory Technicians - 1.6%
- Medical and Clinical Laboratory Technologists - 2.2%
- Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders - 0.5%
- Veterinary Technologists and Technicians - 1.1%

ESTIMATED TOTAL BY EMPLOYMENT STATUS (PERCENTAGE):



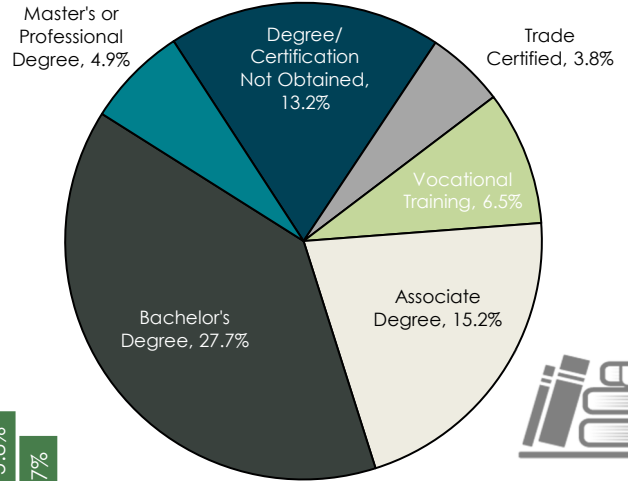
*Employment status is self-identified by the survey respondent. The unemployment percentage does not reflect the unemployment rate published by the U.S. Bureau of Labor Statistics, which applies a stricter definition.

EMPLOYMENT STATS:

- 53.3% paid an annual salary
- 93.5% are/were employed full-time
- 6.5% are/were employed part-time
- 55.0% are/were self-employed
- 25.6% hold two or more jobs
- Currently working an average of 52 hours/week

EDUCATIONAL LEVEL:

(71.3% HAVE AN EDUCATION BEYOND HIGH SCHOOL)

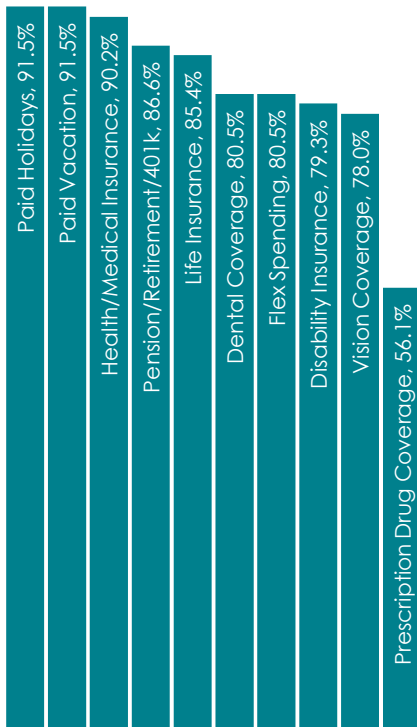


UNDEREMPLOYMENT (ESTIMATED):

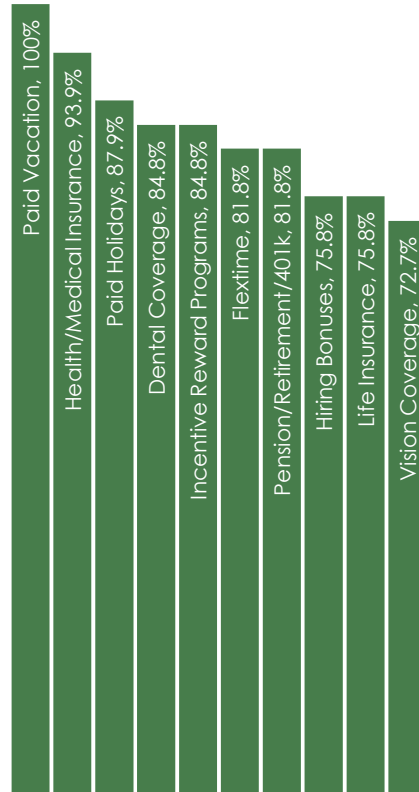
- Low hours - 1.1%
- Low income - 0.0%
- Mismatch of skills - 3.3%
- Total - 4.3%

(Individuals counted only once when estimating Total Underemployment.)

CURRENT BENEFITS:



DESIRED BENEFITS:



TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet - 63.3%
 - www.indeed.com
 - www.linkedin.com
 - www.facebook.com
- Networking through friends, family or acquaintances - 60.6%
- Newspapers - 38.9%
- Private Employment Services - 25.0%



LABOR CHARACTERISTICS



BIOTECHNOLOGY

OCCUPATION	OCCUPATIONAL CODE	MEAN WAGE	ENTRY WAGE	EXPERIENCED WAGE	MEDIAN WAGE	MEAN ANNUAL SALARY
Agricultural Inspectors	45-2011	\$25.93	\$18.55	\$29.62	\$25.64	\$53,926
Animal Scientists	19-1011	\$29.44	\$22.31	\$33.01	\$28.93	\$61,241
Architectural and Engineering Managers	11-9041	\$61.79	\$42.73	\$71.32	\$61.87	\$128,532
Biochemists and Biophysicists	19-1021	\$52.13	\$29.22	\$63.58	\$53.28	\$108,427
Biological Scientists, All Other	19-1029	\$30.59	\$18.31	\$36.73	\$28.83	\$63,627
Biological Technicians	19-4021	\$14.95	\$13.63	\$15.60	\$14.51	\$31,089
Chemical Equipment Operators and Tenders	51-9011	\$27.72	\$18.18	\$32.49	\$28.05	\$57,653
Chemical Technicians	19-4031	\$22.19	\$18.31	\$24.12	\$22.17	\$46,148
Chemists	19-2031	\$33.81	\$26.98	\$37.23	\$31.19	\$70,325
Conservation Scientists	19-1031	\$29.24	\$22.42	\$32.65	\$28.34	\$60,819
Cooling and Freezing Equipment Operators and Tenders	51-9193	\$20.47	\$17.18	\$22.12	\$20.13	\$42,576
Dietitians and Nutritionists	29-1031	\$26.19	\$20.83	\$28.87	\$25.25	\$54,472
Engineers, All Other	17-2199	\$42.06	\$32.52	\$46.83	\$44.04	\$87,476
Environmental Engineers	17-2081	\$40.73	\$33.79	\$44.20	\$40.13	\$84,726
Environmental Scientists and Specialists, Including Health	19-2041	\$32.51	\$26.36	\$35.59	\$31.50	\$67,626
Farmers, Ranchers, and Other Agricultural Managers	11-9013	\$53.09	\$36.68	\$61.29	\$55.39	\$110,424
Farmworkers, Farm, Ranch, and Aquacultural Animals	45-2093	\$16.80	\$11.88	\$19.26	\$17.34	\$34,951
First-Line Supervisors of Production and Operating Workers	51-1011	\$30.22	\$23.22	\$33.72	\$29.27	\$62,860
Food Scientists and Technologists	19-1012	\$30.51	\$21.54	\$34.99	\$28.75	\$63,462
Industrial Engineers	17-2112	\$40.49	\$30.39	\$45.55	\$38.56	\$84,227
Industrial Production Managers	11-3051	\$49.88	\$32.92	\$58.36	\$46.60	\$103,752
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$19.29	\$15.09	\$21.39	\$18.20	\$40,130
Life, Physical, and Social Science Technicians, All Other	19-4099	\$22.08	\$13.83	\$26.20	\$20.18	\$45,923
Medical Scientists, Except Epidemiologists	19-1042	\$49.84	\$25.60	\$61.97	\$42.47	\$103,678
Natural Sciences Managers	11-9121	\$51.97	\$34.21	\$60.85	\$51.39	\$108,097
Nuclear Medicine Technologists	29-2033	\$29.79	\$20.03	\$34.67	\$29.31	\$61,967
Plant and System Operators, All Other	51-8099	\$28.48	\$18.15	\$33.65	\$30.24	\$59,242
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	\$22.13	\$17.67	\$24.36	\$22.18	\$46,038
Soil and Plant Scientists	19-1013	\$32.15	\$23.70	\$36.37	\$31.38	\$66,865
Veterinary Technologists and Technicians	29-2056	\$16.10	\$13.56	\$17.37	\$16.04	\$33,485
Water and Wastewater Treatment Plant and System Operators	51-8031	\$24.83	\$19.99	\$27.26	\$24.57	\$51,654

The 2021 Iowa Wage data for the Northwest Iowa Development Regional Laborshed area was produced by the Labor Force & Occupational Analysis Bureau to provide communities local information on wages by occupation. The source of the wage and employment data is based on the May 2020 OES estimates. Additional occupational wage and employment data can be found at www.iowalmi.gov/laborshed.