

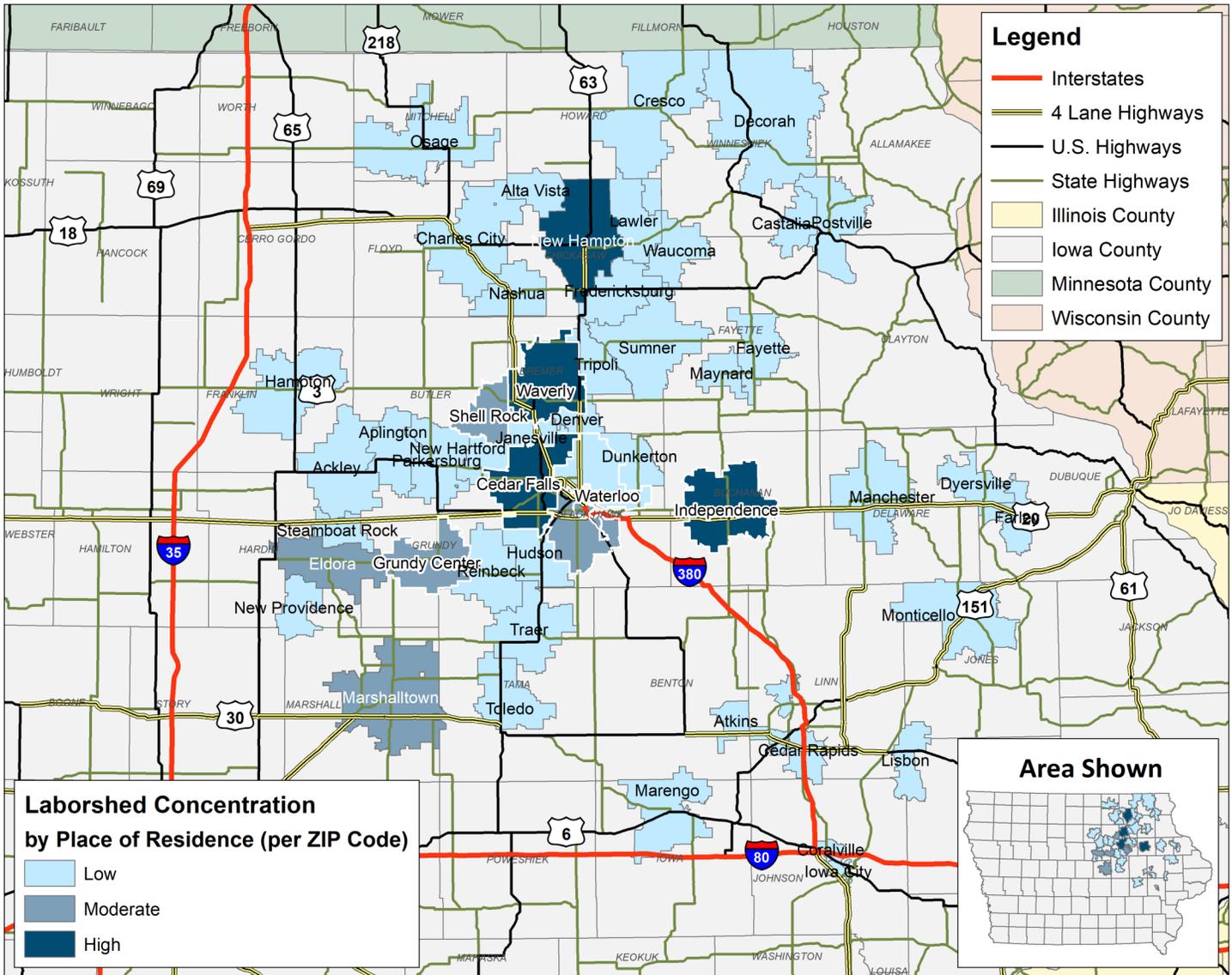
LABOR CHARACTERISTICS

BIOTECHNOLOGY



CEDAR VALLEY 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 11 miles one way for work. Those who are likely to change/accept employment are willing to commute an average of 26 miles one way for the right employment opportunity.

FOR MORE INFORMATION REGARDING THE CEDAR VALLEY REGIONAL LABORSHED, CONTACT:

LABOR CHARACTERISTICS



BIOTECHNOLOGY

ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

- Agricultural Engineers - 0.8%
- Agricultural Workers, All Other - 1.6%
- Biochemists and Biophysicists - 0.8%
- Biological Scientists, All Other - 1.6%
- Chemical Plant and System Operators - 1.6%
- Conservation Scientists - 2.5%
- Dietetic Technicians - 1.6%
- Engineering Technicians, Except Drafters, All Other - 3.3%
- Engineers, All Other - 23.0%
- Farmers, Ranchers, and Other Agricultural Managers - 27%
- Farmworkers, Farm, Ranch, and Aquacultural Animals - 0.8%
- First-Line Supervisors of Farming, Fishing, and Forestry Workers - 0.8%
- First-Line Supervisors of Production and Operating Workers - 12.3%
- Industrial Engineers - 3.3%
- Industrial Production Managers - 4.1%
- Inspectors, Testers, Sorters, Samplers, and Weighers - 7.4%
- Life, Physical, and Social Science Technicians, All Other - 1.6%
- Medical and Clinical Laboratory Technicians - 2.5%
- Medical and Clinical Laboratory Technologists - 0.8%
- Water and Wastewater Treatment Plant and System Operators - 2.5%

UNDEREMPLOYMENT (ESTIMATED):

- Low hours - 0.0%
- Low income - 0.0%
- Mismatch of skills - 8.2%
- Total - 8.2%

(Individuals counted only once when estimating Total Underemployment.)



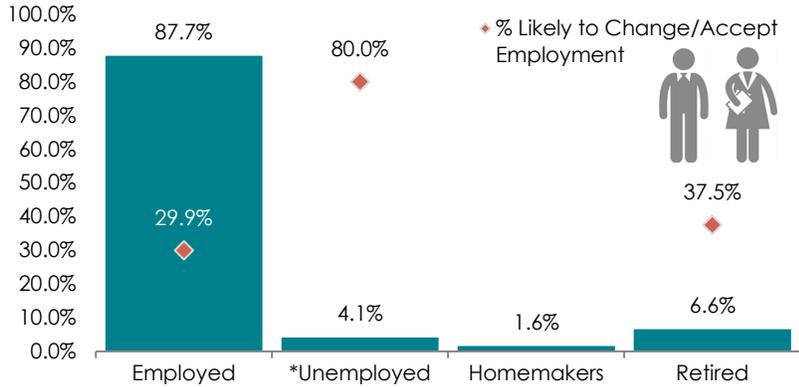
CURRENT BENEFITS:



DESIRED BENEFITS:



ESTIMATED TOTAL BY EMPLOYMENT STATUS (PERCENTAGE):



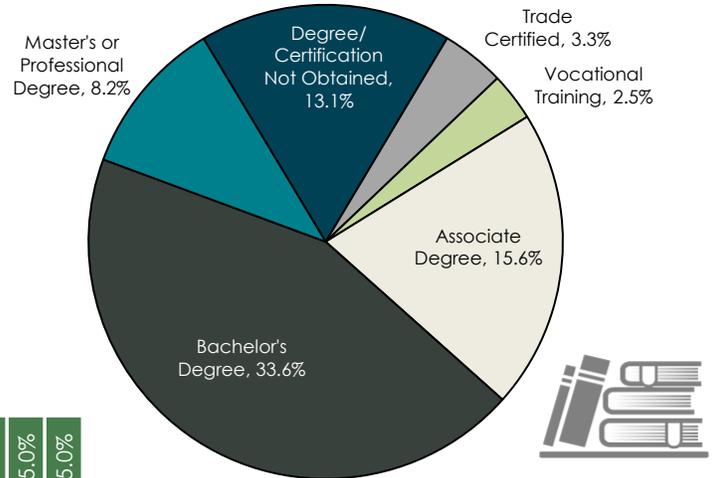
*Employment status is self-identified by the survey respondent. The unemployment percentage does not reflect the unemployment rate published by the U.S. Bureau of Labor Statistics, which applies a stricter definition.

EMPLOYMENT STATS:

- 53.7% paid an annual salary
- 94.2% are/were employed full-time
- 5.8% are/were employed part-time
- 36.4% are/were self-employed
- 17.9% hold two or more jobs
- Currently working an average of 48 hours/week

EDUCATIONAL LEVEL:

(76.3% HAVE AN EDUCATION BEYOND HIGH SCHOOL)



TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet - 70.8%
 - www.indeed.com
 - www.linkedin.com
 - www.monster.com
 - www.iowqworks.gov
- Networking through friends, family or acquaintances - 44.2%
- IowaWORKS Centers - 23.3%
- Private Employment Services - 18.3%



LABOR CHARACTERISTICS



BIOTECHNOLOGY

OCCUPATION	OCCUPATIONAL CODE	MEAN WAGE	ENTRY WAGE	EXPERIENCED WAGE	MEDIAN WAGE	MEAN ANNUAL SALARY
Agricultural Inspectors	45-2011	\$25.13	\$18.98	\$28.20	\$24.96	\$52,270
Architectural and Engineering Managers	11-9041	\$62.10	\$42.98	\$71.66	\$61.89	\$129,162
Biochemists and Biophysicists	19-1021	\$28.88	\$19.92	\$33.36	\$28.64	\$60,069
Biological Scientists, All Other	19-1029	\$28.17	\$18.82	\$32.85	\$27.97	\$58,597
Biological Technicians	19-4021	\$21.68	\$16.44	\$24.30	\$21.47	\$45,090
Biomedical Engineers	17-2031	\$34.77	\$27.50	\$38.40	\$35.13	\$72,319
Chemical Engineers	17-2041	\$46.17	\$38.10	\$50.21	\$45.48	\$96,035
Chemical Equipment Operators and Tenders	51-9011	\$24.57	\$17.74	\$27.99	\$23.85	\$51,112
Chemical Plant and System Operators	51-8091	\$30.03	\$19.01	\$35.55	\$29.83	\$62,468
Chemical Technicians	19-4031	\$25.91	\$18.56	\$29.59	\$24.53	\$53,896
Chemists	19-2031	\$39.19	\$26.91	\$45.33	\$40.99	\$81,518
Conservation Scientists	19-1031	\$26.55	\$19.55	\$30.05	\$26.11	\$55,225
Cooling and Freezing Equipment Operators and Tenders	51-9193	\$20.28	\$15.97	\$22.44	\$18.73	\$42,184
Dietetic Technicians	29-2051	\$14.71	\$11.85	\$16.14	\$14.32	\$30,602
Dietitians and Nutritionists	29-1031	\$25.38	\$15.92	\$30.11	\$26.00	\$52,789
Engineers, All Other	17-2199	\$41.33	\$27.31	\$48.34	\$38.16	\$85,967
Environmental Engineering Technicians	17-3025	\$26.21	\$14.18	\$32.23	\$24.07	\$54,519
Environmental Engineers	17-2081	\$42.52	\$33.02	\$47.26	\$39.70	\$88,438
Environmental Scientists and Specialists, Including Health	19-2041	\$34.10	\$23.97	\$39.17	\$33.37	\$70,938
Farmers, Ranchers, and Other Agricultural Managers	11-9013	\$33.42	\$24.65	\$37.80	\$33.19	\$69,508
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	45-2092	\$17.49	\$13.39	\$19.54	\$17.44	\$36,378
Farmworkers, Farm, Ranch, and Aquacultural Animals	45-2093	\$13.55	\$10.53	\$15.05	\$12.95	\$28,174
First-Line Supervisors of Production and Operating Workers	51-1011	\$30.61	\$20.44	\$35.70	\$28.56	\$63,667
Food Scientists and Technologists	19-1012	\$29.40	\$17.49	\$35.35	\$26.16	\$61,144
Hydrologists	19-2043	\$38.04	\$25.99	\$44.07	\$36.92	\$79,122
Industrial Engineers	17-2112	\$42.91	\$31.46	\$48.63	\$40.30	\$89,251
Industrial Production Managers	11-3051	\$49.55	\$33.20	\$57.73	\$46.20	\$103,069
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$22.72	\$15.82	\$26.16	\$21.87	\$47,251
Life, Physical, and Social Science Technicians, All Other	19-4099	\$20.49	\$13.49	\$23.99	\$19.23	\$42,613
Materials Scientists	19-2032	\$36.21	\$22.08	\$43.27	\$34.96	\$75,309
Medical Scientists, Except Epidemiologists	19-1042	\$31.21	\$21.76	\$35.93	\$29.48	\$64,913
Microbiologists	19-1022	\$27.91	\$21.45	\$31.15	\$26.22	\$58,061
Natural Sciences Managers	11-9121	\$49.65	\$34.68	\$57.13	\$48.02	\$103,268
Nuclear Medicine Technologists	29-2033	\$36.93	\$30.39	\$40.20	\$36.85	\$76,815
Plant and System Operators, All Other	51-8099	\$33.39	\$27.56	\$36.30	\$34.13	\$69,445
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	\$21.21	\$15.99	\$23.82	\$20.92	\$44,116
Soil and Plant Scientists	19-1013	\$34.32	\$24.98	\$38.99	\$31.23	\$71,380
Veterinary Technologists and Technicians	29-2056	\$16.23	\$13.53	\$17.58	\$15.46	\$33,758
Water and Wastewater Treatment Plant and System Operators	51-8031	\$24.18	\$16.93	\$27.81	\$25.00	\$50,298
Zoologists and Wildlife Biologists	19-1023	\$37.06	\$29.23	\$40.98	\$38.19	\$77,093

The 2021 Iowa Wage data for the Cedar Valley 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.