

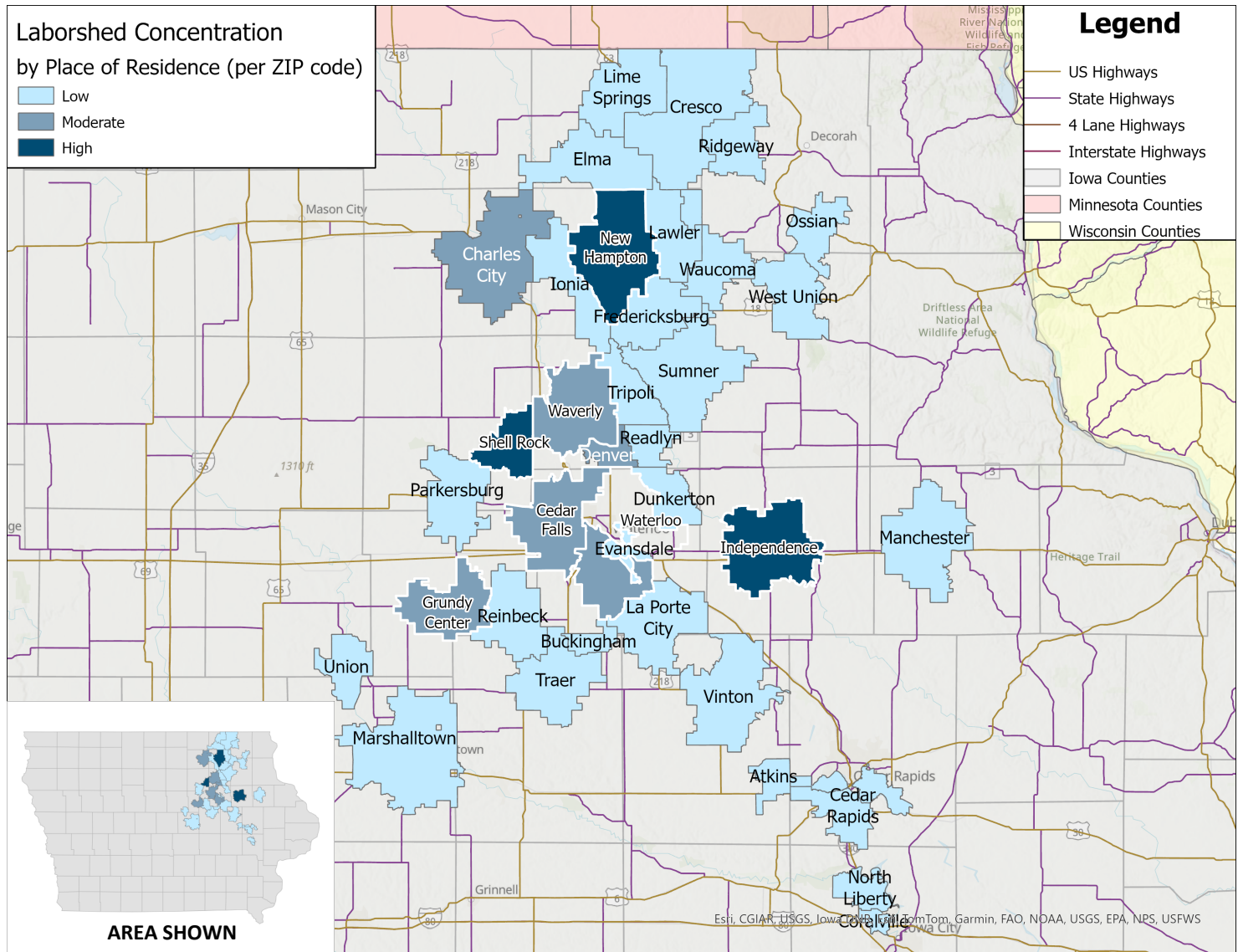
# LABOR CHARACTERISTICS

## BIOTECHNOLOGY



### CEDAR VALLEY REGION 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 14 miles one way for work. Those who are likely to change/accept employment are willing to commute an average of 29 miles one way for the right employment opportunity.

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



Cedar Valley Regional Partnership  
360 Westfield Avenue, Suite 200  
Phone: (319) 232-1156 | Email: [info@cedarvalleyregion.com](mailto:info@cedarvalleyregion.com)  
[www.cedarvalleyregion.com](http://www.cedarvalleyregion.com)

# LABOR CHARACTERISTICS



## BIOTECHNOLOGY

### ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

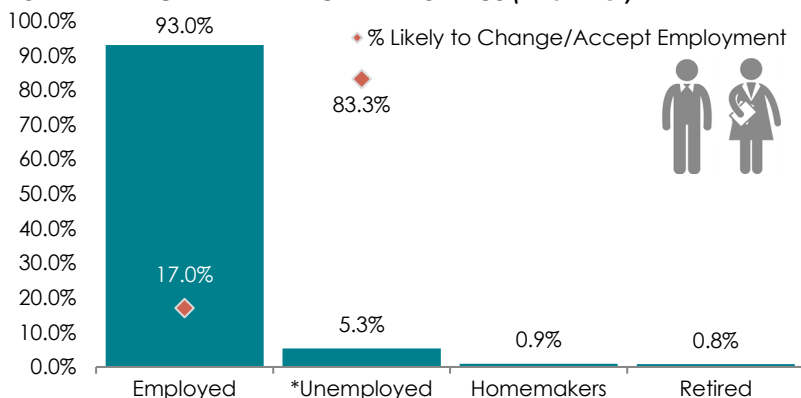
- Agricultural Workers, All Other - 2.6%
- Architectural and Engineering Managers - 4.4%
- Biological Scientists, All Other - 0.9%
- Biological Technicians - 0.9%
- Buyers and Purchasing Agents, Farm Products - 0.9%
- Chemical Technicians - 2.6%
- Conservation Scientists - 1.8%
- Dietetic Technicians - 3.5%
- Dietitians and Nutritionists - 1.8%
- Engineering Technicians, Except Drafters, All Other - 1.8%
- Engineers, All Other - 13.2%
- Environmental Engineers - 1.8%
- Farmers, Ranchers, and Other Agricultural Managers - 27.2%
- Farmworkers and Laborers, Crop, Nursery, and Greenhouse - 1.8%
- Farmworkers, Farm, Ranch, and Aquacultural Animals - 1.8%
- First-Line Supervisors of Production and Operating Workers - 10.5%
- Industrial Engineers - 1.8%
- Industrial Production Managers - 9.6%
- Inspectors, Testers, Sorters, Samplers, and Weighers - 3.5%
- Life, Physical, and Social Science Technicians, All Other - 1.8%
- Medical and Clinical Laboratory Technicians - 2.6%
- Medical and Clinical Laboratory Technologists - 1.8%
- Nuclear Medicine Technologists - 0.9%
- Water and Wastewater Treatment Plant and System Operators - 0.9%

### UNDEREMPLOYMENT (ESTIMATED):

- Low hours - 1.8%
- Low income - 0.0%
- Mismatch of skills - 7.0%
- Total - 7.9%

(Individuals counted only once when estimating Total Underemployment.)

### ESTIMATED TOTAL BY EMPLOYMENT STATUS (PERCENTAGE):



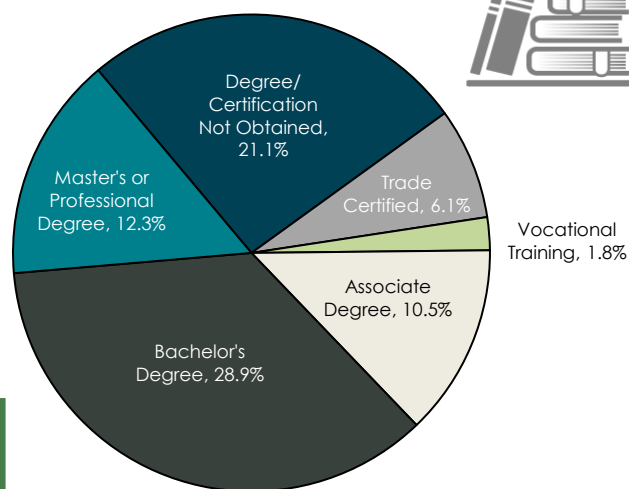
\*Employment status is self-identified by the survey respondent. The unemployment percentage does not reflect the unemployment rate published by the U.S. Bureau of Labor Statistics, which applies a stricter definition.

### EMPLOYMENT STATS:

- 49.1% paid an annual salary
- 94.7% are/were employed full-time
- 5.3% are/were employed part-time
- 30.2% are/were self-employed
- 22.6% hold two or more jobs
- Currently working an average of 48 hours/week

### EDUCATIONAL LEVEL:

(80.7% HAVE AN EDUCATION BEYOND HIGH SCHOOL)



### CURRENT BENEFITS:



### DESIRED BENEFITS:



### TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet - 76.4%
  - [www.indeed.com](http://www.indeed.com)
  - [www.linkedin.com](http://www.linkedin.com)
  - [Company/Organization Websites](#)
- Networking through friends, family or acquaintances - 58.2%
- Private Employment Services - 24.5%
- IowaWORKS Centers - 19.1%



# LABOR CHARACTERISTICS



## BIOTECHNOLOGY

OCCUPATION	OCCUPATIONAL CODE	MEAN WAGE	ENTRY WAGE	EXPERIENCED WAGE	MEDIAN WAGE	MEAN ANNUAL SALARY
Agricultural Inspectors	45-2011	\$26.17	\$19.89	\$29.31	\$24.68	\$54,436
Animal Scientists	19-1011	\$48.13	\$25.57	\$59.42	\$39.54	\$100,120
Architectural and Engineering Managers	11-9041	\$71.79	\$53.87	\$80.75	\$69.23	\$149,319
Biochemists and Biophysicists	19-1021	\$53.59	\$29.34	\$65.71	\$44.79	\$111,461
Biological Scientists, All Other	19-1029	\$40.33	\$33.08	\$43.95	\$38.53	\$83,877
Biological Technicians	19-4021	\$27.22	\$21.16	\$30.26	\$27.95	\$56,624
Chemical Engineers	17-2041	\$53.75	\$41.36	\$59.95	\$52.41	\$111,807
Chemical Equipment Operators and Tenders	51-9011	\$30.68	\$22.80	\$34.62	\$30.78	\$63,820
Chemical Technicians	19-4031	\$26.10	\$23.55	\$27.38	\$26.36	\$54,290
Chemists	19-2031	\$43.74	\$28.62	\$51.30	\$38.34	\$90,985
Conservation Scientists	19-1031	\$30.03	\$22.99	\$33.55	\$28.37	\$62,472
Dietetic Technicians	29-2051	\$17.30	\$15.87	\$18.01	\$17.63	\$35,975
Dietitians and Nutritionists	29-1031	\$31.69	\$25.73	\$34.68	\$32.31	\$65,921
Engineering Technicians, Except Drafters, All Other	17-3029	\$29.72	\$17.98	\$35.60	\$28.37	\$61,826
Engineers, All Other	17-2199	\$47.41	\$30.00	\$56.12	\$47.77	\$98,620
Environmental Engineering Technicians	17-3025	\$28.13	\$21.36	\$31.52	\$27.02	\$58,509
Environmental Engineers	17-2081	\$52.87	\$37.41	\$60.60	\$52.12	\$109,977
Environmental Scientists and Specialists, Including Health	19-2041	\$35.41	\$23.95	\$41.14	\$32.54	\$73,646
Farmers, Ranchers, and Other Agricultural Managers	11-9013	\$45.67	\$29.01	\$54.01	\$46.22	\$94,999
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	45-2092	\$19.50	\$13.61	\$22.45	\$19.42	\$40,560
Farmworkers, Farm, Ranch, and Aquacultural Animals	45-2093	\$17.68	\$11.97	\$20.54	\$16.88	\$36,783
First-Line Supervisors of Farming, Fishing, and Forestry Workers	45-1011	\$26.15	\$19.16	\$29.65	\$23.24	\$54,402
First-Line Supervisors of Production and Operating Workers	51-1011	\$33.82	\$23.85	\$38.80	\$31.75	\$70,343
Food Scientists and Technologists	19-1012	\$37.76	\$28.01	\$42.64	\$36.85	\$78,547
Foresters	19-1032	\$39.99	\$37.11	\$41.42	\$41.21	\$83,170
Graders and Sorters, Agricultural Products	45-2041	\$19.42	\$17.70	\$20.28	\$18.19	\$40,402
Industrial Engineers	17-2112	\$46.10	\$35.89	\$51.20	\$47.13	\$95,884
Industrial Production Managers	11-3051	\$54.88	\$36.04	\$64.30	\$51.16	\$114,153
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$22.92	\$17.23	\$25.77	\$22.67	\$47,671
Life, Physical, and Social Science Technicians, All Other	19-4099	\$22.29	\$16.46	\$25.20	\$20.22	\$46,357
Materials Scientists	19-2032	\$50.28	\$40.32	\$55.27	\$49.91	\$104,589
Medical Scientists, Except Epidemiologists	19-1042	\$56.55	\$29.28	\$70.18	\$51.02	\$117,614
Microbiologists	19-1022	\$40.60	\$23.32	\$49.24	\$31.41	\$84,448
Natural Sciences Managers	11-9121	\$51.26	\$32.51	\$60.63	\$45.13	\$106,622
Nuclear Medicine Technologists	29-2033	\$39.95	\$34.90	\$42.47	\$37.13	\$83,099
Petroleum Pump System Operators, Refinery Operators, and Gaugers	51-8093	\$39.70	\$28.79	\$45.16	\$42.76	\$82,578
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	\$24.77	\$20.12	\$27.10	\$24.29	\$51,527
Soil and Plant Scientists	19-1013	\$38.44	\$24.50	\$45.40	\$31.94	\$79,946
Veterinary Technologists and Technicians	29-2056	\$19.40	\$16.29	\$20.96	\$17.80	\$40,359
Water and Wastewater Treatment Plant and System Operators	51-8031	\$27.03	\$19.70	\$30.70	\$27.30	\$56,222

The 2024 Iowa Wage data for the Cedar Valley Region Laborshed area was produced by the Labor Force & Occupational Analysis Bureau to provide communities local information on wages by occupation. Additional occupational wage and employment data for the Cedar Valley Region Laborshed area can be found at [workforce.iowa.gov/laborshed/data](https://workforce.iowa.gov/laborshed/data). For more information regarding the 2024 OEWS estimates visit: [bls.gov/oes/2024/may/oes\\_tec.htm](https://bls.gov/oes/2024/may/oes_tec.htm)

Balance of data compiled by Iowa Workforce Development using Laborshed data released in 2025.