

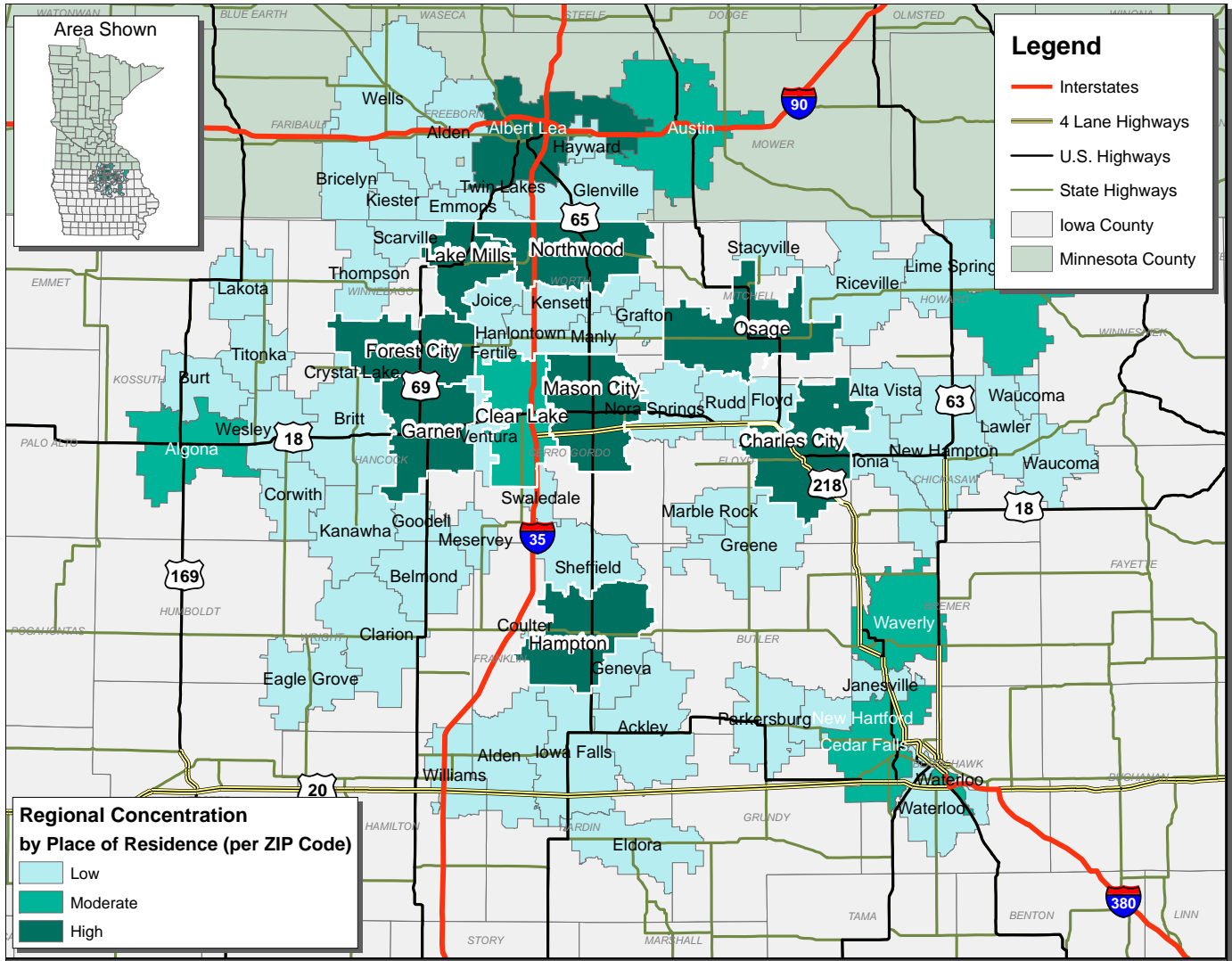
LABOR CHARACTERISTICS

CHEMICAL MANUFACTURING

NORTH CENTRAL IOWA ALLIANCE

2014 REGIONAL LABORSHED AREA

Concentration of those 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 willing to change/accept employment are willing to commute an average of 22 miles one way for the right employment opportunity.

For More Information Regarding the North Central Iowa Alliance Regional Laborshed, contact:

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LABOR CHARACTERISTICS

CHEMICAL MANUFACTURING

Estimated Potential Available Labor Per Occupational Category:

Business Operations:

- Managers - 3,580
- Supervisors - 3,348
- Office Clerks, General - 1,263
- Order Clerks - 115
- Production & Planning Clerks - 404
- Sales Agents - 197
- Sales Reps - 972
- Secretaries - 5,019
- Shipping & Receiving Clerks - 608
- Stock Clerks - 854

Production:

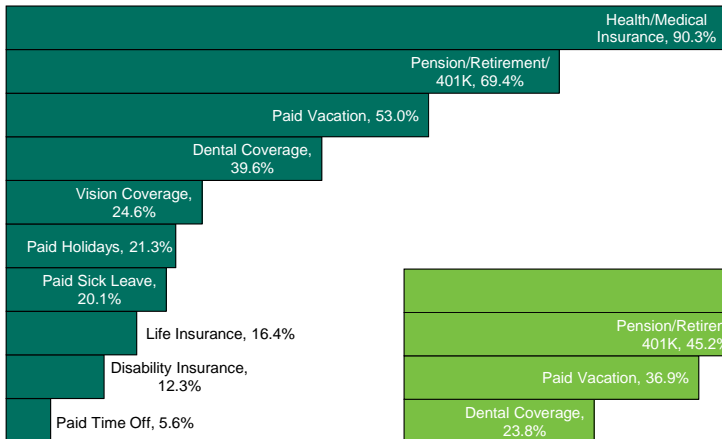
- Managers - 2,079
- Supervisors - 3,760
- Agricultural & Food Science Techs - 321
- Electrical & Electronic Engineering Techs - 198
- Engineers, All Other - 1,348
- Environmental Science & Protection Techs - 115
- Inspectors - 935
- Life, Physical & Social Science Techs - 199
- Mixing & Blending Machine Operators - 118
- Pesticide Handlers - 120
- Production Workers, All Other - 8,377
- Protective Service Workers - 315
- Soil & Plant Scientists - 117
- Water & Liquid Waste Treatment Plant & System Operators - 322

Material Movers:

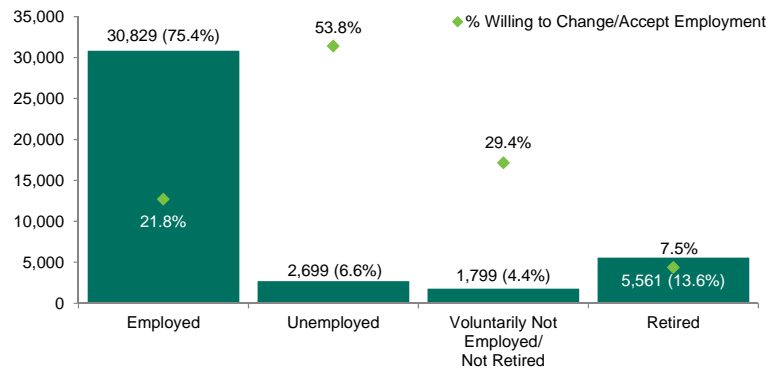
- Managers - 730
- Supervisors - 849
- Forklift Operators - 319
- Heavy Truck Drivers - 2,939
- Laborers & Material Movers, Hand - 729
- Light Truck Drivers - 527
- Material Moving Workers, All Other - 111

An estimated total of **40,888** people in the Laborshed area

Current Benefits:

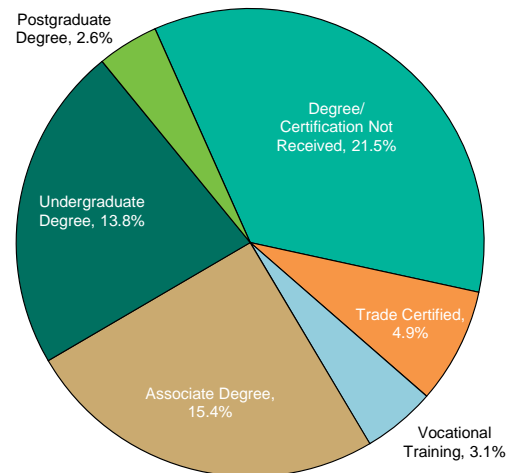


Estimated Total by Employment Status (percentage):



Educational Level:

(61.3% Have an education beyond high school)



Workplace Flexibility:

(by percent of interest)

- Cross-training - 86.2%
- Job teams - 81.6%
- Job sharing - 40.2%
- Varied shifts - 31.8%
- Seasonal work - 50.6%
- Temporary work - 38.6%

Additional Facts:

- 61.1% paid an hourly wage
- 78.5% are/were employed full-time
- 9.5% are/were self-employed
- 9.0% are/were employed part-time
- 8.9% hold two or more jobs
- Currently working an average of 44 hours/week

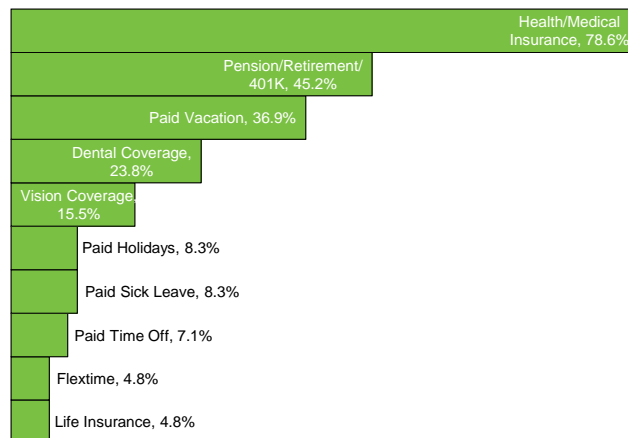
Underemployment:

Total Underemployment - 6.2%

- Low hours - 0.8%
- Mismatch of skills - 4.1%
- Low income - 1.5%

IWD only counts individuals once when estimating Total Underemployment.

Desired Benefits:



Top Advertising Media:

(for those seeking employment opportunities by use)

- Internet - 71.1%
 - www.iowajobs.org
 - www.monster.com
 - www.helpwanted.com
- Local/Regional Newspapers - 52.6%
 - *Globe Gazette* - Mason City
 - *The Des Moines Register*
- IowaWORKS Centers - 23.4%
- Networking through friends, family or acquaintances - 21.7%

LABOR CHARACTERISTICS

CHEMICAL MANUFACTURING

Occupation	Occupational Code	Mean Wage	Entry Wage	Experienced Wage	Median Wage	Median Annual Wage
Bookkeeping, Accounting, and Auditing Clerks	43-3031	\$ 16.05	\$ 10.98	\$ 18.59	\$ 15.20	\$ 31,608
Business Operations Specialists, All Other	13-1199	\$ 26.65	\$ 15.51	\$ 32.22	\$ 23.32	\$ 48,515
Buyers and Purchasing Agents, Farm Products	13-1021	\$ 28.03	\$ 16.94	\$ 33.57	\$ 27.08	\$ 56,325
Chemical Equipment Operators and Tenders	51-9011	\$ 22.77	\$ 15.49	\$ 26.42	\$ 23.37	\$ 48,604
Chemists	19-2031	\$ 31.62	\$ 22.95	\$ 35.96	\$ 31.43	\$ 65,371
Dietitians and Nutritionists	29-1031	\$ 27.16	\$ 19.40	\$ 31.03	\$ 26.32	\$ 54,744
Engineers, All Other	17-2199	\$ 30.07	\$ 20.72	\$ 34.75	\$ 29.65	\$ 61,673
Executive Secretaries and Executive Administrative Assistants	43-6011	\$ 18.07	\$ 13.45	\$ 20.38	\$ 17.71	\$ 36,829
First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	53-1021	\$ 24.23	\$ 15.16	\$ 28.77	\$ 25.10	\$ 52,207
First-Line Supervisors of Production and Operating Workers	51-1011	\$ 24.44	\$ 18.56	\$ 27.39	\$ 23.30	\$ 48,455
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	53-1031	\$ 25.42	\$ 18.26	\$ 29.01	\$ 24.47	\$ 50,893
General and Operations Managers	11-1021	\$ 37.61	\$ 16.40	\$ 48.21	\$ 31.31	\$ 65,125
Heavy and Tractor-Trailer Truck Drivers	53-3032	\$ 18.45	\$ 12.59	\$ 21.38	\$ 17.37	\$ 36,122
Helpers--Production Workers	51-9198	\$ 11.91	\$ 8.20	\$ 13.76	\$ 10.98	\$ 22,837
Industrial Engineers	17-2112	\$ 36.58	\$ 27.64	\$ 41.06	\$ 35.65	\$ 74,153
Industrial Production Managers	11-3051	\$ 42.13	\$ 28.15	\$ 49.12	\$ 39.18	\$ 81,492
Industrial Truck and Tractor Operators	53-7051	\$ 14.17	\$ 11.22	\$ 15.64	\$ 13.82	\$ 28,750
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$ 17.49	\$ 12.73	\$ 19.87	\$ 17.06	\$ 35,495
Installation, Maintenance, and Repair Workers, All Other	49-9099	\$ 18.74	\$ 14.57	\$ 20.82	\$ 18.72	\$ 38,944
Laborers and Freight, Stock, and Material Movers, Hand	53-7062	\$ 14.35	\$ 10.69	\$ 16.18	\$ 13.81	\$ 28,726
Life, Physical, and Social Science Technicians, All Other	19-4099	\$ 20.22	\$ 15.83	\$ 22.41	\$ 18.75	\$ 39,007
Light Truck or Delivery Services Drivers	53-3033	\$ 17.01	\$ 9.05	\$ 20.98	\$ 15.69	\$ 32,633
Machine Feeders and Offbearers	53-7063	\$ 14.10	\$ 10.53	\$ 15.88	\$ 13.70	\$ 28,501
Machinists	51-4041	\$ 18.32	\$ 14.52	\$ 20.22	\$ 17.73	\$ 36,883
Maintenance and Repair Workers, General	49-9071	\$ 17.31	\$ 12.47	\$ 19.72	\$ 17.45	\$ 36,303
Management Analysts	13-1111	\$ 33.14	\$ 22.06	\$ 38.68	\$ 34.41	\$ 71,567
Market Research Analysts and Marketing Specialists	13-1161	\$ 22.16	\$ 15.65	\$ 25.41	\$ 21.06	\$ 43,810
Mixing and Blending Machine Setters, Operators, and Tenders	51-9023	\$ 17.85	\$ 11.03	\$ 21.26	\$ 17.62	\$ 36,643
Office and Administrative Support Workers, All Other	43-9199	\$ 14.73	\$ 9.62	\$ 17.28	\$ 14.76	\$ 30,692
Office Clerks, General	43-9061	\$ 14.93	\$ 10.47	\$ 17.16	\$ 14.35	\$ 29,858
Packers and Packagers, Hand	53-7064	\$ 10.76	\$ 8.29	\$ 11.99	\$ 10.35	\$ 21,538
Production Workers, All Other	51-9199	\$ 15.17	\$ 11.99	\$ 16.76	\$ 14.54	\$ 30,251
Production, Planning, and Expediting Clerks	43-5061	\$ 19.59	\$ 15.50	\$ 21.63	\$ 19.14	\$ 39,802
Purchasing Agents, Except Wholesale, Retail, and Farm Products	13-1023	\$ 24.74	\$ 18.48	\$ 27.87	\$ 25.07	\$ 52,149
Sales Representatives, Services, All Other	41-3099	\$ 21.06	\$ 12.68	\$ 25.24	\$ 18.86	\$ 39,231
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	41-4011	\$ 26.05	\$ 15.35	\$ 31.40	\$ 26.87	\$ 55,895
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	43-6014	\$ 13.87	\$ 9.37	\$ 16.12	\$ 13.57	\$ 28,227
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	\$ 17.67	\$ 15.82	\$ 18.60	\$ 17.33	\$ 36,043
Shipping, Receiving, and Traffic Clerks	43-5071	\$ 17.08	\$ 13.69	\$ 18.77	\$ 17.23	\$ 35,835
Soil and Plant Scientists	19-1013	\$ 28.42	\$ 20.46	\$ 32.40	\$ 23.36	\$ 48,599
Stock Clerks and Order Fillers	43-5081	\$ 10.99	\$ 8.25	\$ 12.36	\$ 9.55	\$ 19,868
Transportation, Storage, and Distribution Managers	11-3071	\$ 37.18	\$ 25.44	\$ 43.05	\$ 33.67	\$ 70,037
Water and Wastewater Treatment Plant and System Operators	51-8031	\$ 20.11	\$ 15.80	\$ 22.27	\$ 20.33	\$ 42,290
Weighers, Measurers, Checkers, and Samplers, Recordkeeping	43-5111	\$ 15.28	\$ 10.46	\$ 17.69	\$ 15.67	\$ 32,597

The 2016 Iowa Wage data for the Iowa Workforce Development Region 2 service 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 2015 OES estimates. Additional occupational wage and employment data can be found at <http://www.iowaworkforcedevelopment.gov/iawagereport>.