

IOWA CAREER, INDUSTRY, & POPULATION REPORT

2012-2022

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Inside this issue:

- Broad Based Incremental Growth Depicts 2012-2022 Iowa Occupational Group Projections 1
- Health, Management, Ag Top Iowa's Growth Industries 1 & 4
- 2012-2022 Iowa Occupational Projections Overview of High Growth and Declining Occupations 2
- 2010 U.S. Population Census: Population and Immigration Growth Patterns for Region, State, and Nation 3

Health, Management, Ag Top Iowa's Growth Industries

Growth Rate

The service sector dominates the state of Iowa's top high growth industries for the 2012-2022 projection period. Leading the way are the management, agriculture support, and ambulatory health care industries which are all expected to grow over 30% over the next ten years. In all, the top 15

industries are projected to produce 61,685 total jobs (or 31%) of the entire industry total of 199,020. These include management, agriculture support, ambulatory health care, warehousing and storage, transportation (support, truck), building construction, information, social

Continued on Page 4

Broad-Based Incremental Growth Depicts 2012-2022 Iowa Occupational Group Projections

Growth Rate

Steady incremental growth describes the current occupational projections outlook. Iowa's occupational employment is expected to increase by 11.2% from 2012 to 2022, or 1.1% annually. The total growth for all occupations during this period is projected to reach 197,275 jobs with job growth being broad-based across many major occupational groups. Service-providing jobs are generally expected to outperform those considered goods-producing. Figure 1 provides the comparable data.

Major occupational groups expected to grow faster than the state annual average are business and financial; computer and mathematical; community and social service; legal; arts, design, entertainment, sports, and media; healthcare practitioner; healthcare support; building and grounds maintenance; personal care; construction; installation, maintenance, and repair; transportation and material moving. Growing less than the state average include management; architecture and engi-

neering; life, physical, and social science; education; protective service; food prep and serving; sales; office and administrative; farming, fishing, and forestry; and production major occupational groups.

Employment

Iowa's fastest growing occupational groups do not necessarily correlate with the state's top employment change occupational groups. In fact, the top two occupational groups with the greatest employment change have a growth rate less than the state average (office and administrative, sales). Major occupational groups and their projected 2012-2022 employment change can be found in Figure 2.

The top ten occupational groups related to employment change include office and administrative, sales, transportation and material moving, construction, healthcare practitioner, food prep, production, education, business and financial, and personal care. All are projected to exceed 10,000 jobs over ten years yet three are expected to grow slower than the state average.

Figure 1. 2012-2022 Iowa Occupational Group by Growth Rate

Occupational Group	2012 Est Employment	2022 Proj Employment	Numeric Change	Annual Growth Rate (%)
47-0000 Construction and Extraction Occupations	75,710	93,145	17,435	2.3
15-0000 Computer and Mathematical Occupations	33,470	40,560	7,085	2.1
39-0000 Personal Care and Service Occupations	53,010	63,675	10,665	2.0
31-0000 Healthcare Support Occupations	49,160	58,595	9,435	1.9
29-0000 Healthcare Practitioners and Technical Occupations	84,995	100,885	15,890	1.9
21-0000 Community and Social Service Occupations	25,495	30,165	4,670	1.8
37-0000 Building and Grounds Cleaning and Maintenance Occupations	59,645	68,480	8,835	1.5
13-0000 Business and Financial Operations Occupations	76,000	87,095	11,095	1.5
53-0000 Transportation and Material Moving Occupations	133,170	150,785	17,615	1.3
23-0000 Legal Occupations	8,250	9,305	1,050	1.3
27-0000 Arts, Design, Entertainment, Sports, and Media Occupations	26,560	29,770	3,210	1.2
49-0000 Installation, Maintenance, and Repair Occupations	68,585	76,810	8,225	1.2
00-0000 Total, All Occupations	1,758,205	1,955,480	197,275	1.1
19-0000 Life, Physical, and Social Science Occupations	12,490	13,850	1,360	1.1
35-0000 Food Preparation and Serving Related Occupations	132,020	146,170	14,145	1.1
25-0000 Education, Training, and Library Occupations	115,965	127,835	11,870	1.0
41-0000 Sales and Related Occupations	177,320	195,030	17,710	1.0
43-0000 Office and Administrative Support Occupations	246,530	268,415	21,885	0.9
33-0000 Protective Service Occupations	22,335	24,270	1,930	0.9
17-0000 Architecture and Engineering Occupations	18,715	20,165	1,450	0.8
51-0000 Production Occupations	161,460	173,485	12,030	0.7
45-0000 Farming, Fishing, and Forestry Occupations	15,395	16,015	620	0.4
11-0000 Management Occupations	161,915	160,970	-945	-0.1

Figure 2. 2012-2022 Iowa Occupational Group by Employment Change

Occupational Group	2012 Est Employment	2022 Proj Employment	Numeric Change	Annual Growth Rate (%)
Total, All Occupations	1,758,205	1,955,480	197,275	1.1
Office and Administrative Support Occupations	246,530	268,415	21,885	0.9
Sales and Related Occupations	177,320	195,030	17,710	1.0
Transportation and Material Moving Occupations	133,170	150,785	17,615	1.3
Construction and Extraction Occupations	75,710	93,145	17,435	2.3
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Personal Care and Service Occupations	53,010	63,675	10,665	2.0
Healthcare Support Occupations	49,160	58,595	9,435	1.9
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Computer and Mathematical Occupations	33,470	40,560	7,085	2.1
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Arts, Design, Entertainment, Sports, and Media Occupations	26,560	29,770	3,210	1.2
Protective Service Occupations	22,335	24,270	1,930	0.9
Architecture and Engineering Occupations	18,715	20,165	1,450	0.8
Life, Physical, and Social Science Occupations	12,490	13,850	1,360	1.1
Legal Occupations	8,250	9,305	1,050	1.3
Farming, Fishing, and Forestry Occupations	15,395	16,015	620	0.4
Management Occupations	161,915	160,970	-945	-0.1

2012-2022 Iowa Occupational Projections Overview

Figure 7. 2012-2022 Iowa Occupations with Fastest Growth Rate

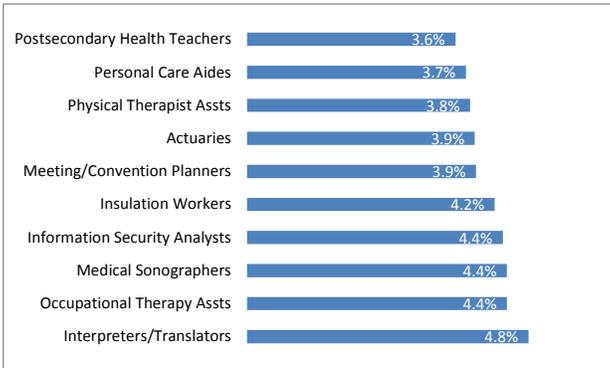


Figure 8. 2012-2022 Iowa Occupations with Fastest Declining Growth Rate

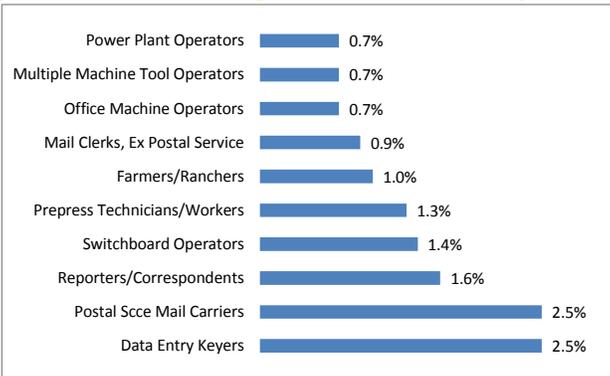


Figure 9. 2012-2022 Iowa Occupations with Largest Growth

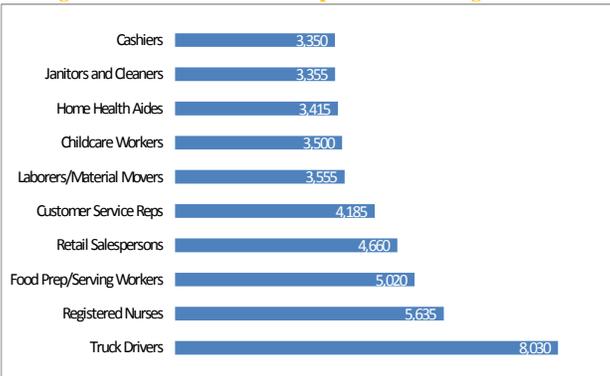
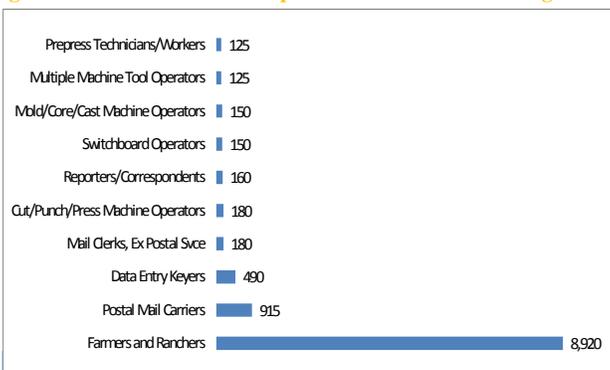


Figure 10. 2012-2022 Iowa Occupations with Fastest Declining Growth



High Growth Expected in Healthcare, Personal Care, Construction, Transportation, Sales, & Office-Admin

Growth Rate

Iowa's top 10 occupations expected to have the largest percentage of employment growth for 2012-2022 are primarily in the education, health and personal care, computer and math, business and financial, media, and construction major occupational groups. See Figure 7. These top occupations include postsecondary health teachers, personal care aides, physical therapy assistants, actuaries, meeting and convention planners, insulation workers, information security analysts, medical sonographers, occupational therapy assistants, and interpreters.

Iowa's top 10 occupations expected to have the largest percentage of employment decline for 2012-2022 are primarily in the production, manufacturing, and office and administrative major occupational groups as Figure 8 shows. These include power plant operators, multiple machine tool operators, office machine operators, mail clerks, farmers and ranchers, prepress technicians, switchboard operators, reporters and correspondents, postal service mail carriers, and data entry keyers.

Employment

Iowa's top 10 occupations expected to have the largest employment growth for 2012-2022 will account for 44,705 jobs (or 23%) of the projected employment change of 197,275. See Figure 9. Of the

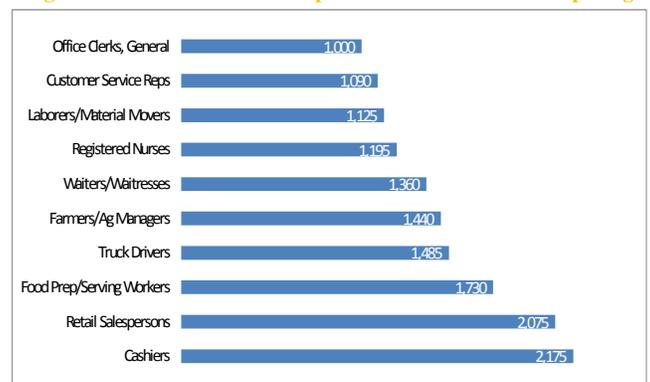
44,705 change of employment, 33,395 (or 75%) will fall into the major occupational groups of healthcare; food; sales; office and administrative; and transportation and material moving.

Iowa's top 10 occupations expected to have the largest decline for 2012-2022 will account for 11,395 (or 97%) of the projected 11,770 lost jobs. Figure 10 indicates that the farm management occupation alone will account for 8,920 (or 78%) of the top ten's 11,395 jobs expected to be eliminated. Other top declining occupations include mail carriers; data entry keyers; mail clerks; cutting, punching, and press machine operators; reporters and correspondents, switchboard operators; molding, coremaking, and casting machine operators; multiple machine tool operators; and prepress technicians.

Openings

Iowa's top 10 occupations expected to have the most annual openings for 2012-2022 will account for 14,675 (or 24%) of the projected 61,665 openings. Of the 14,675 openings, 12,040 (or 82%) will fall into the major occupational groups of food prep and serving; office and administrative; sales; and transportation and material moving as Figure 11 illustrates. Top occupations include cashiers, retail sales, food prep, truck drivers, farm managers, wait staff, registered nurses, laborers, customer service reps, and office clerks.

Figure 11. 2012-2022 Iowa Occupations with Most Annual Openings



2010 U.S., Iowa Population Census

Midwest Trails Nation in Growth, MSAs are Bright Spots

U.S.-Regional Pop Growth

The Midwest trails in percentage population growth when compared with other regions of the country as Figure 12 indicates. For the past several decades, the South and West regions grew at substantially higher rates than any other region.

Iowa's Pop Growth

Iowa enjoyed a 5.4 percent population gain in the 1990s and a more recent 4.1 percent increase from 2000 to 2010. See Figure 13. These back-to-back periods saw Iowa increase its

population by 269,524. At no time in the last 100 years has Iowa enjoyed greater population increases in number for consecu-

tive periods than in the past two decades. Also, the trend line indicates continued population growth.

Iowa's MSA Pop Growth

Looking at Figure 14, long-established trends continue in Iowa's sub state areas. Metropolitan Statistical Areas (MSAs) are rising in population growth. Ames, Cedar Rapids, Council Bluffs, Davenport, Des Moines, Dubuque, Iowa City, Sioux City, and Waterloo-Cedar Falls make up Iowa's MSAs. The 2010 Census data shows Iowa's fastest population growth is expected for the Ames-Des Moines and Cedar Rapids-Iowa City corridors.

Figure 12. 2010 U.S. & Regional Population Growth by Decade

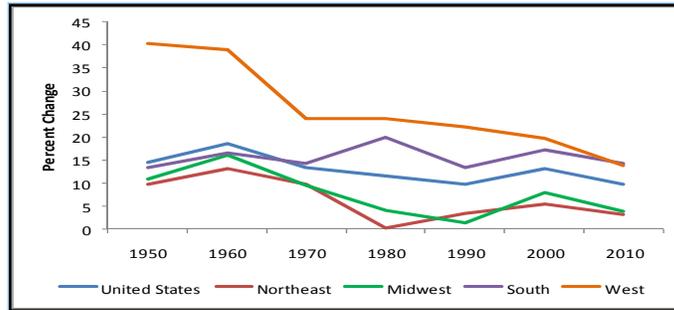


Figure 13. 2010 Iowa Population Growth by Decade

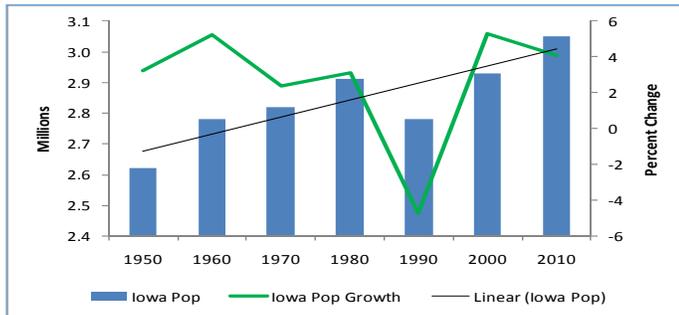
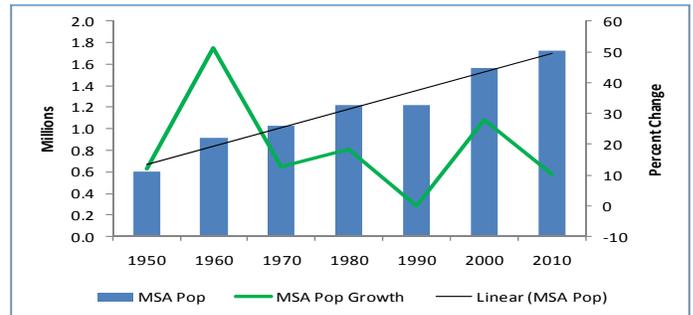


Figure 14. 2010 Iowa MSA Population Growth by Decade



Immigration & Ethnic Origin Growth Trends

U.S. Foreign-Born Pop

Figure 15 takes a look at the foreign-born population and their decade of entry into the U.S. as of 2009. More foreign immigrants entered the U.S.

during the past two decades than before. These (legal) immigrants, accounting for much of the nation's (and Iowa's) growth, came from Latin America (51%), Asia (27%), Europe

(15%), and Other (7%). Mexico led all countries at 28 percent.

Race & Hispanic/Latino Origin in Iowa

The racial make-up of Iowa's population from 1990 through

2010 is presented in Figure 16. All minority racial groups increased in number. Also listed are Latinos, the largest ethnic immigrant group.

Figure 15. 2010 U.S. Foreign-Born Population & Decade of Entry

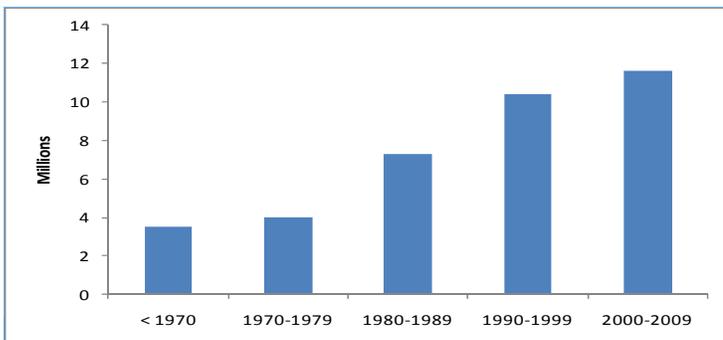


Figure 16. 2010 Race & Hispanic/Latino Origin in Iowa by Decade (%)

Race/Ethnicity	1990	2000	2010
White	96.6	93.9	91.3
Black	1.7	2.1	2.9
American Indian	0.3	0.3	0.4
Asian/Pacific Islander	0.9	1.3	1.8
Other	0.5	1.3	1.8
Two or More Races	n/a	1.1	1.8
Total	100	100	100
Latino, Any Race	1.2	2.8	5.0

Health, Management, Ag Top Iowa's Growth Industries

Continued from Page 1

assistance, wood product manufacturing, couriers and messengers, specialty trade, nonfinancial intangible asset lessors, wholesale electronic markets and agents, and financial (funds, trusts, other).

Regarding Iowa's slower growing industries, manufacturing (apparel, leather, textile, beverage and tobacco, electrical equipment, computer and electronic, paper, printing, and miscellaneous), utilities, government (federal and postal services), publishing, air transportation, telecommunications, motion picture and sound recording, and miscellaneous store retailers are all expected to have declining employment numbers and growth rates. In fact, the manufacturing and government industries together make up the bulk of Iowa's projected 6,140 job decline with an expected combined loss of 5,095 jobs (or 83%). Figures 3 and 4 provide a ranking of industries evaluated from a growth rate perspective.

Figure 3. 2012-2022 Iowa Industries with Fastest Growth Rate

Industry	Percent Change	Total Growth
Management of Companies and Enterprises	38.7%	6,220
Support Activities for Agriculture	32.1%	1,335
Ambulatory Health Care Services	30.2%	15,865
Warehousing and Storage	29.8%	3,410
Support Activities for Transportation	28.1%	835
Construction of Buildings	27.6%	3,890
Other Information Services	27.6%	80
Social Assistance	27.0%	8,315
Wood Product Manufacturing	25.9%	2,045
Couriers and Messengers	24.7%	1,155
Specialty Trade Contractors	24.6%	10,060
Lessors of Nonfinancial Intangible Assets	23.8%	25
Wholesale Electronic Markets and Agents	22.2%	1,685
Truck Transportation	22.1%	6,720
Funds, Trusts, and Other Financial Vehicles	21.4%	45

Figure 4. 2012-2022 Iowa Industries with Fastest Declining Growth Rate

Industry	Percent Change	Total Growth
Leather and Allied Product Manufacturing	-31.9%	-75
Postal Service	-25.5%	-1,970
Apparel Manufacturing	-17.0%	-170
Electrical Equipment, Appliance and Component Manufac.	-13.8%	-770
Textile Mills	-13.0%	-15
Textile Product Mills	-12.0%	-85
Federal Government	-8.6%	-855
Printing and Related Support Activities	-5.9%	-405
Miscellaneous Manufacturing	-5.7%	-230
Utilities	-5.6%	-365
Telecommunications	-5.1%	-375
Paper Manufacturing	-4.1%	-155
Air Transportation	-3.9%	-15
Motion Picture and Sound Recording	-2.6%	-45
Beverage and Tobacco Product	-2.6%	-40
Publishing Industries	-2.6%	-235
Computer and Electronic Product	-2.5%	-325
Miscellaneous Store Retailers	-0.1%	-10

Employment

On the employment front, Iowa's industries with the greatest projected employment change contrasts significantly from the high growth rate industries. In fact, only five industries can be found in the top 15 of each (namely management, ambulatory health care, social assistance, specialty trade, and truck transportation). Ambulatory health care, educational services, administrative support, nursing and residential care, and specialty trade are projected to grow in excess of 10,000 workers in the next ten years. Rounding out Iowa's top 15 industries by employment number include food services; professional, scientific, and technical; self-employed; social assistance; insurance carriers; credit intermediation, hospitals; truck transportation; management, and general merchandise stores. Of Iowa's 199,020 projected total growth in jobs, 140,540 (or 71%) of them can be found in these industries. Figures 5 and 6 give a breakdown of growing and declining jobs by industry.

Figure 5. 2012-2022 Iowa Industries with Largest Growth

Industry	Total Growth	Percent Change
Ambulatory Health Care Services	15,865	30.2%
Educational Services	15,395	9.0%
Administrative and Support Services	12,805	19.5%
Nursing and Residential Care Facilities	10,590	19.1%
Specialty Trade Contractors	10,060	24.6%
Food Services and Drinking Places	9,720	10.1%
Professional, Scientific, and Technical Services	9,235	20.7%
Self Employed and Unpaid Family Workers	8,775	6.2%
Social Assistance	8,315	27.0%
Insurance Carriers and Related Activities	7,795	19.3%
Credit Intermediation and Related Activities	7,715	17.7%
Hospitals	6,885	10.7%
Truck Transportation	6,720	22.1%
Management of Companies and Enterprises	6,220	38.7%
General Merchandise Stores	4,445	12.5%

Figure 6. 2012-2022 Iowa Industries with Largest Decline

Industry	Total Growth	Percent Change
Postal Service	-1,970	-25.5%
Federal Government	-855	-8.6%
Electrical Equipment, Appliance and Component Manufac.	-770	-13.8%
Printing and Related Support Activities	-405	-5.9%
Telecommunications	-375	-5.1%
Utilities	-365	-5.6%
Computer and Electronic Product	-325	-2.5%
Publishing Industries	-235	-2.6%
Miscellaneous Manufacturing	-230	-5.7%
Apparel Manufacturing	-170	-17.0%
Paper Manufacturing	-155	-4.1%
Textile Product Mills	-85	-12.0%
Leather and Allied Product Manufacturing	-75	-31.9%
Motion Picture and Sound Recording	-45	-2.6%
Beverage and Tobacco Product	-40	-2.6%

Employment data derived from the 2012-2022 Iowa Industry and Occupational Projections produced by the Labor Market and Workforce Information Division of Iowa Workforce Development (IWD). Population figures are from the 2010 U.S. Census with additional analysis performed by the State Data Center of the State Library of Iowa and IWD. MSAs refer to Metropolitan Statistical Areas (urban areas with 50,000 or more residents). This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner. This publication was produced by the Labor Market and Workforce Information Division of Iowa Workforce Development. Inquiries may be directed to Brent Paulson at 515.281.3439 or Brent.Paulson@iwd.iowa.gov. Visit www.iowalmi.gov to obtain the latest workforce data and trends including this document. Updated 12/2015.