

# IOWA CAREER, INDUSTRY, & POPULATION REPORT

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2016-2026

## Ag, Health, Admin, & Educ Lead Iowa's Industries in Growth

Inside this issue:

### Growth Rate

Iowa's top high growth industries for the 2016-2026 projection period are strong in the service sector. Leading the top fifteen are the support agriculture, ambulatory health care, info services, forestry, warehousing, management, museums, transportation (scenic), investments, mining,

fishing, administrative services, social assistance, credit intermediation, and waste management industries which are all expected to grow above 15% (with thirteen above 20%) over the next ten years. In all, these top fifteen industries are projected to produce 54,986 jobs (or 36%) of Iowa's total employ-

ment growth of 154,729. Regarding Iowa's slower growth industries, fifteen industries including manufacturing (apparel, textile, leather, paper, plastics/rubber, primary metal, electrical equipment, and miscellaneous), clothing

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2016-2026: Moderate Occupational Growth <sup>1</sup>

Iowa's Top Growth Industries <sup>1,4</sup>

2016-2026 Overview of State Occupational Projections <sup>2</sup>

2010 U.S. Population Census: Population and Immigration Data <sup>3</sup>

## 2016-2026 Iowa Occupational Projections Show Moderate Growth

Figure 1. 2016-2026 Iowa Occupational Group by Growth Rate

Occupational Title	2,016 Estimated	2,016 Projected	Numeric Change	Annual Growth Rate (%)
Community & Social Service Occupations	29,435	34,320	4,885	1.7
Healthcare Support Occupations	48,875	56,975	8,100	1.7
Computer & Mathematical Occupations	34,860	40,150	5,290	1.5
Healthcare Practitioners & Tech Occupations	90,600	103,405	12,810	1.4
Building & Grounds Cleaning & Maintenance Occupations	58,865	67,150	8,285	1.4
Business & Financial Operations Occupations	77,955	88,915	10,960	1.4
Personal Care & Service Occupations	56,030	63,830	7,800	1.4
Construction & Extraction Occupations	83,865	95,055	11,190	1.3
Legal Occupations	8,835	9,915	1,080	1.2
Architecture & Engineering Occupations	20,415	22,875	2,455	1.2
Life, Physical, & Social Science Occupations	13,455	14,900	1,440	1.1
Transportation & Material Moving Occupations	138,130	151,600	13,470	1.0
Installation, Maintenance, & Repair Occupations	73,175	80,065	6,890	0.9
Food Preparation & Serving Related Occupations	140,400	153,440	13,040	0.9
Educ, Training, & Library Occupations	122,035	132,515	10,480	0.9
<b>Total, All Occupations</b>	<b>1,821,755</b>	<b>1,976,480</b>	<b>154,730</b>	<b>0.8</b>
Sales & Related Occupations	173,015	184,145	11,135	0.6
Arts, Design, Entertainment, Sports, & Media Occupations	26,445	28,080	1,635	0.6
Management Occupations	169,610	178,615	9,000	0.5
Protective Service Occupations	22,925	24,095	1,170	0.5
Office & Admin Support Occupations	245,295	255,785	10,490	0.4
Production Occupations	166,380	169,175	2,795	0.2
Farming, Fishing, & Forestry Occupations	21,150	21,480	330	0.2

Figure 2. 2016-2026 Iowa Occupational Group by Employment Change

Occupational Title	2,016 Estimated	2,016 Projected	Numeric Change	Annual Growth Rate (%)
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### Growth Rate

Moderate incremental growth describes the current occupational projections outlook. Iowa's occupational employment is expected to increase by 8% from 2016 to 2026 (or .8% annually). The total growth for all occupations during this period is projected to reach 154,730 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 community/social service, healthcare support, computer/mathematical, healthcare practitioner, building/grounds maintenance, business/financial, personal care, construction, legal, architecture/engineering, life/physical/social science, transportation/material moving, installation/maintenance, food prep, and education. Growing less than state average include sales,

arts/design/entertainment/management, protective service, office/admin, production, and farming/fishing/forestry 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, only three of the top ten occupational groups with the greatest growth rates have top ten employment change growth rates (healthcare, business, and construction). Major occupational groups and their projected 2016-2026 employment change can be found in Figure 2.

The top ten occupational groups related to employment change include transportation/material moving, food prep, healthcare practitioner, construction, sales, business/financial, office/admin, education, management, and building/grounds maintenance. All but two are projected to exceed 10,000 jobs over ten years yet two are expected to grow slower than the state average.

## 2016-2026 Iowa Occupational Projections Overview

### High Growth in Health, IT Personal Care, Wind Energy; High Openings in Food, Retail, Ag, and Trucking

Figure 7. 2016-2026 Iowa Occupations/Fastest Annual Growth Rate

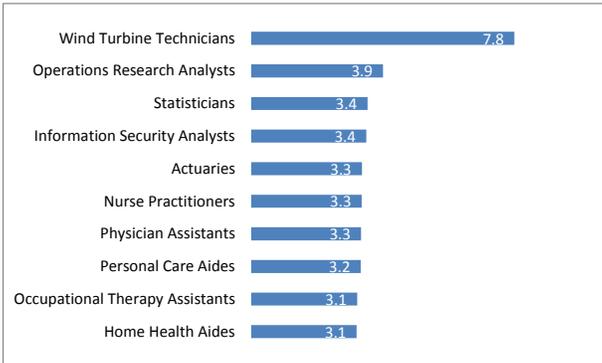


Figure 8. 2016-2026 Iowa Occupations/Fastest Declining Annual Growth Rate

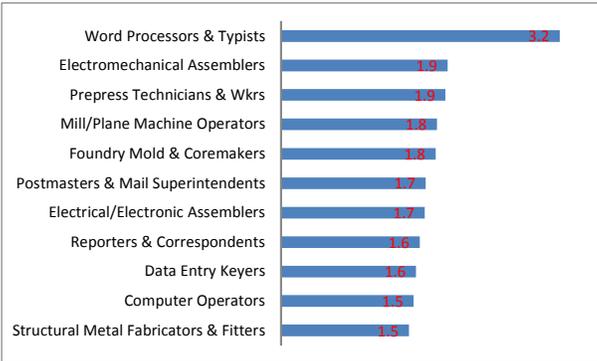


Figure 9. 2016-2016 Iowa Occupations/Largest Emp Growth

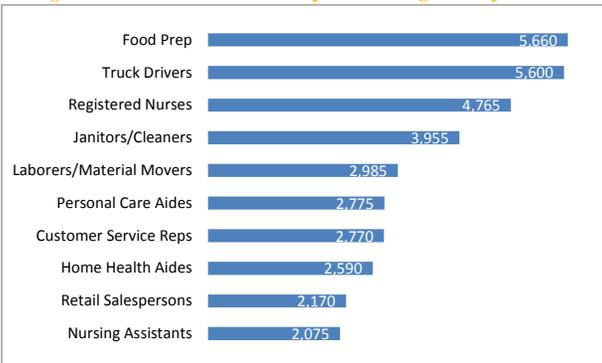


Figure 10. 2016-2016 Iowa Occupations/Largest Declining Emp Growth

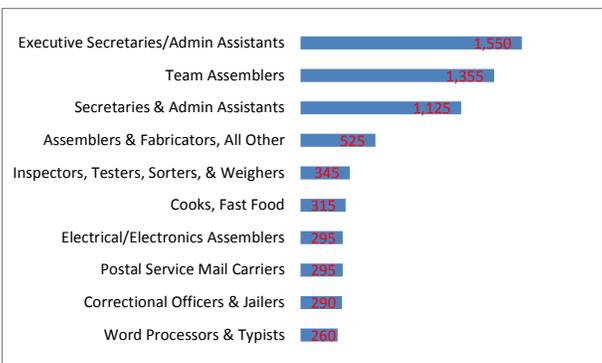
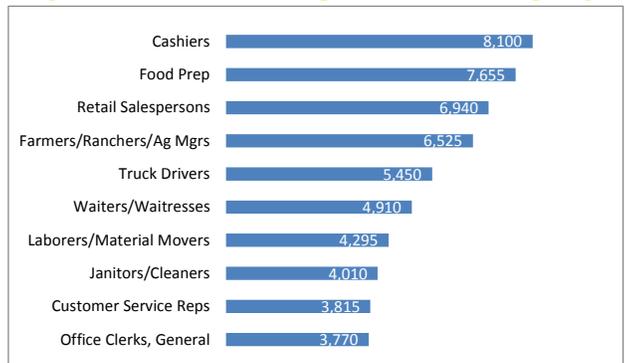


Figure 11. 2016-2016 Iowa Occupations/Most Annual Openings



#### Growth Rate

Iowa’s top ten occupations expected to have the largest percentage of employment growth for 2016-2026 are primarily in the business/financial, health, personal care, computer/math, and installation/repair major occupational groups. See Figure 7. These top occupations include wind turbine technicians, operations research analysts, statisticians, information security analysts, actuaries, nurse practitioners, physician assistants, personal care aides, occupational therapy assistants, and home health aides.

Iowa’s top ten occupations expected to have the largest percentage of employment decline for 2016-2026 are primarily in the manufacturing, office/admin, postal, food, and production major occupational groups as Figure 8 shows. These occupations include word processors, electromechanical and electrical/electronic assemblers, prepress technicians, mill/plane machine operators, foundry mold core makers, postmasters, reporters, data entry keyers, computer operators, and structural metal fabricators.

#### Employment

Iowa’s top ten occupations expected to have the largest employment growth for 2016-2026 will account for 35,345 jobs (or 23%) of the projected employment change of 154,730.

See Figure 9. Of the 35,345 change of employment, 31,390 (or 89%) will fall into the major occupational groups of transportation, healthcare, food, sales, personal care, and office/administrative.

Iowa’s top ten occupations expected to have the largest decline for 2016-2026 will account for 6,355 (or 55%) of the projected 11,525 lost jobs. Figure 10 indicates that the office/admin and production occupational groups will account for 5,405 (or 85%) of the top ten’s 6,355 jobs expected to be eliminated. Top declining occupations include executive secretaries, team assemblers, secretaries, assemblers, all other, inspectors, cooks, fast food, electrical/electronics assemblers, postal mail carriers, correctional officers, and word processors.

#### Openings

Iowa’s top ten occupations expected to have the most annual openings for 2016-2026 will account for 55,470 (or 25%) of the projected 220,605 openings. Of the 55,470 openings, 51,460 (or 93%) will fall into the major occupational groups of sales, office/administrative, food, transportation/material moving, and management as Figure 11 illustrates. Top occupations include cashiers, food prep, retail sales, farm managers, truck drivers, wait staff, laborers, janitors, customer service reps, and office clerks.

# 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 consecutive

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

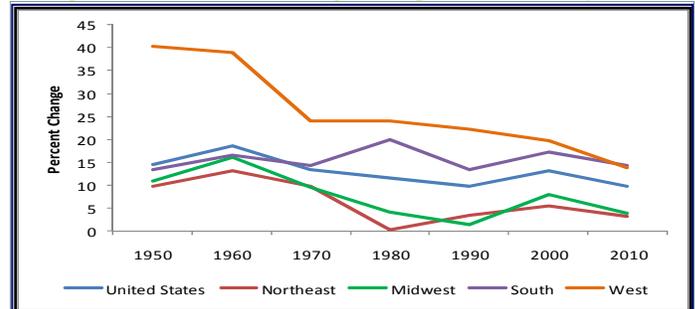


Figure 13. 2010 Iowa Population Growth by Decade

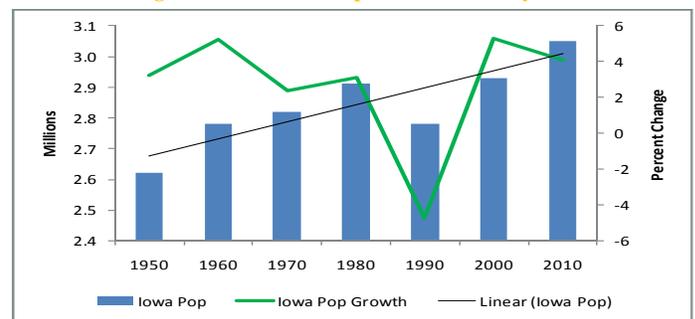


Figure 14. 2010 Iowa MSA Population Growth by Decade

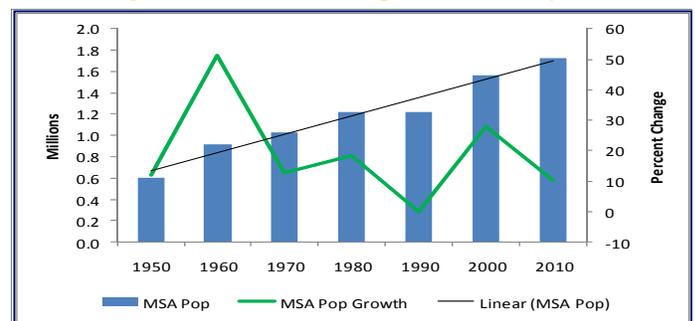


Figure 15. 2010 U.S. Foreign-Born Population & Decade of Entry

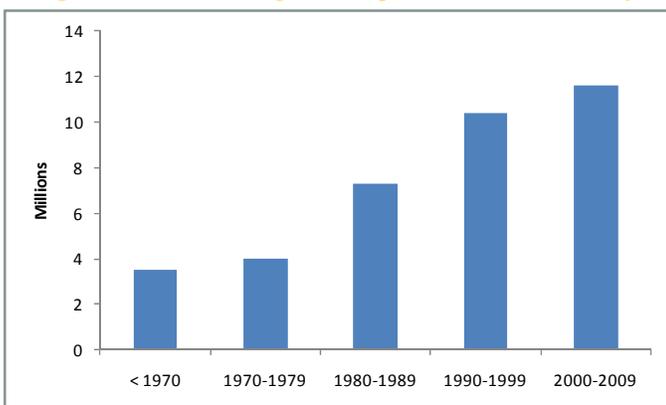


Figure 16. 2010 Race & Hispanic/Latino Origin in Iowa by Decade (%)

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
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>
Latino, Any Race	1.2	2.8	5.0

## Immigration and 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.

## Ag, Health, Admin, Educ Lead Iowa’s Industries in Growth

**Figure 3. 2016-2026 Iowa Industries with Fastest Growth Rate**

Industry	Percent Change	Total Growth
Support Activities for Agriculture	39.0%	1,362
Forestry and Logging	25.8%	8
Ambulatory Health Care Services	25.5%	14,606
Other Information Services	25.3%	168
Warehousing and Storage	24.3%	3,356
Museums, Historical Sites, and Similar Institutions	24.1%	252
Management of Companies and Enterprises	23.9%	4,544
Scenic and Sightseeing Transportation	22.9%	8
Securities, Commodity Contracts, and Other Investments	22.2%	1,075
Support Activities for Mining	22.0%	11
Fishing, Hunting and Trapping	21.1%	4
Social Assistance	21.0%	7,515
Administrative and Support Services	20.5%	13,158
Credit Intermediation and Related Activities	18.6%	8,301
Waste Management and Remediation	17.9%	618

**Figure 4. 2016-2026 Iowa Industries with Fastest Declining Growth Rate**

Industry	Percent Change	Total Growth
Apparel Manufacturing	-30.2%	-289
Leather and Allied Product Manufacturing	-16.1%	-37
Miscellaneous Manufacturing	-15.4%	-593
Telecommunications	-13.0%	-838
Textile Mills	-12.6%	-15
Postal Service	-9.8%	-758
Printing and Related Support Activities	-9.3%	-604
Textile Product Mills	-8.9%	-55
Clothing and Clothing Accessories Stores	-8.0%	-756
Broadcasting (except Internet)	-7.2%	-167
Electrical Equipment, Appliance and Component Manufac.	-6.7%	-442
Paper Manufacturing	-6.5%	-237
Primary Metal Manufacturing	-6.1%	-426
Publishing Industries	-5.7%	-457
Plastics and Rubber Products	-4.6%	-518

**Figure 5. 2016 –2026 Iowa Industries with Largest Growth**

Industry	Total Growth	Percent Change
Ambulatory Health Care Services	14,606	25.5%
Administrative and Support Services	13,158	20.5%
Educational Services	12,588	7.1%
Food Services and Drinking Places	9,227	9.1%
Self Employed and Unpaid Family Workers	8,869	6.2%
Specialty Trade Contractors	8,455	16.7%
Professional, Scientific, and Technical Services	8,412	16.3%
Credit Intermediation and Related Activities	8,301	18.6%
Social Assistance	7,515	21.0%
Insurance Carriers and Related Activities	6,824	15.4%
Nursing and Residential Care Facilities	6,011	10.8%
Truck Transportation	5,136	16.9%
Management of Companies and Enterprises	4,544	23.9%
Hospitals	4,404	6.7%
Warehousing and Storage	3,356	24.3%

### Continued from Page 1

stores, telecommunications, printing, publishing, postal services, and broadcasting, are all expected to lead the state’s declining industry growth rates. Five industries are projected for double-digit rates of decline including manufacturing (apparel, leather, textile mills, and miscellaneous) and telecommunications. Figures 3 and 4 provide a ranking of industries using a growth rate comparison metric.

### Employment

On the employment front, the top three industries of ambulatory health care, administrative support services, and education are each projected to grow in excess of 10,000 workers in the next ten years. Rounding out Iowa’s top fifteen industries by employment number include

food services, self employed, specialty trade, professional/scientific/technical, credit intermediation, social assistance, insurance carriers, nursing care, transportation (truck), management, hospitals, and warehousing.

On the downside, agriculture, telecommunications, postal services, retail (clothing, miscellaneous), manufacturing, printing, publishing, and merchant wholesale are expected to contribute the bulk of declining occupations from 2016-2026 with the top fifteen industries making up 93% of Iowa’s total decline. This translates to the loss of 9,151 jobs of Iowa’s projected 9,881 total job decline. Figures 5 and 6 give an employment breakdown.

**Figure 6. 2016-2026 Iowa Industries with Largest Decline**

Industry	Total Growth	Percent Change
Crop and Animal Production	-2,137	-2.1%
Telecommunications	-838	-13.0%
Postal Service	-758	-9.8%
Clothing and Clothing Accessories Stores	-756	-8.0%
Printing and Related Support Activities	-604	-9.3%
Miscellaneous Manufacturing	-593	-15.4%
Plastics and Rubber Products	-518	-4.6%
Publishing Industries	-457	-5.7%
Merchant Wholesalers, Nondurable Goods	-443	-1.5%
Electrical Equipment, Appliance and Component Manufac.	-442	-6.7%
Primary Metal Manufacturing	-426	-6.1%
Fabricated Metal Manufacturing	-417	-2.1%
Apparel Manufacturing	-289	-30.2%
Paper Manufacturing	-237	-6.5%
Miscellaneous Store Retailers	-236	-3.2%

Employment data derived from the 2016-2026 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 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.

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