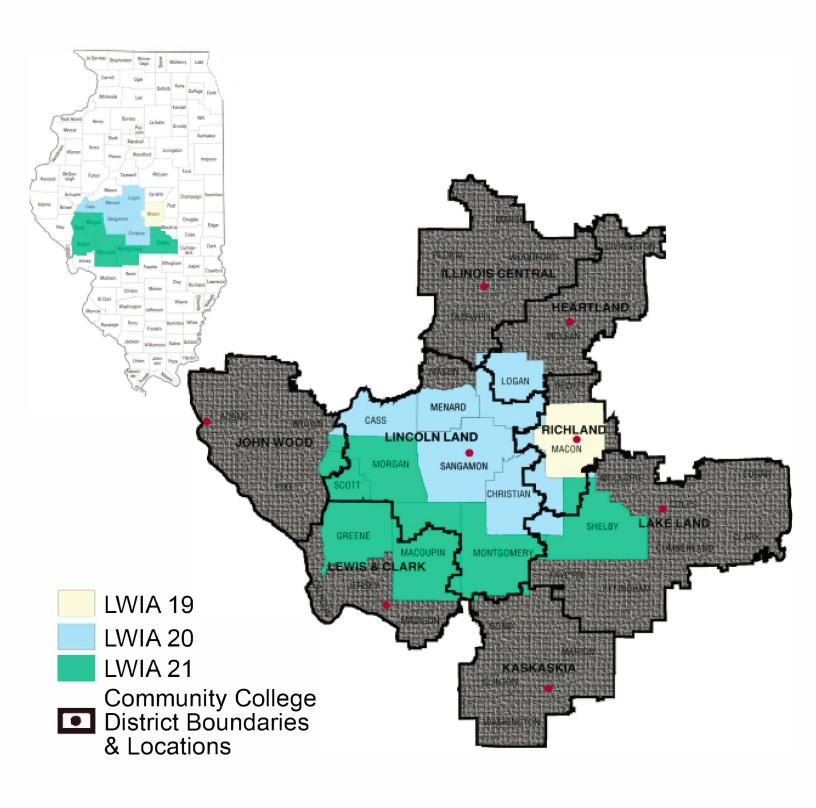
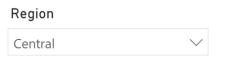
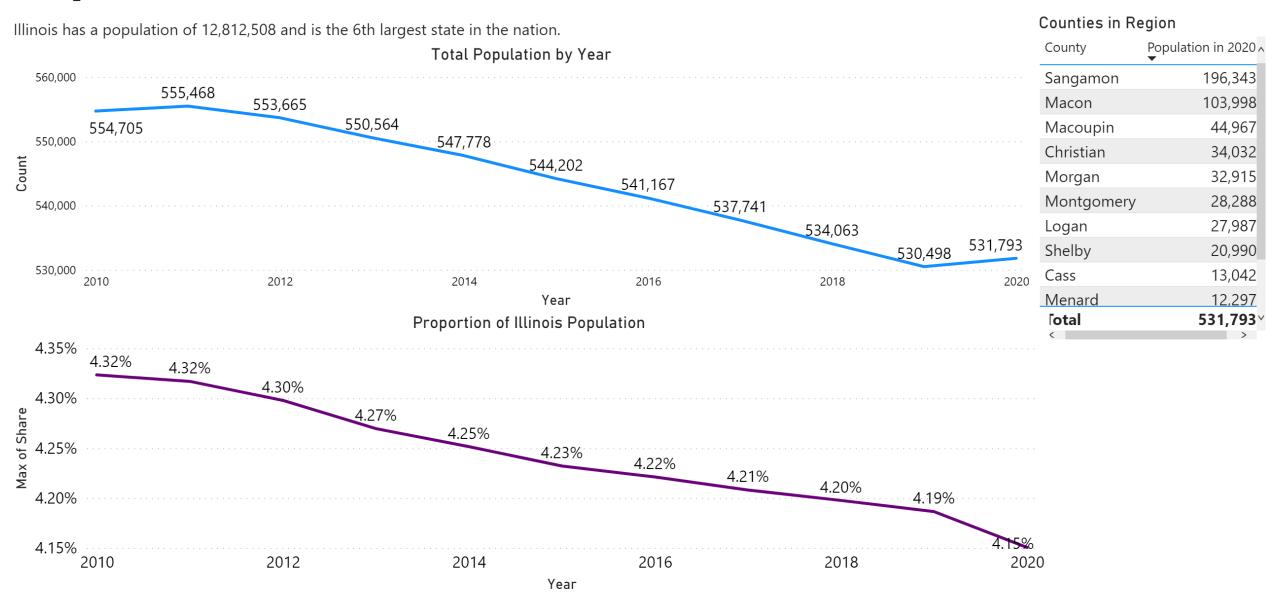
Regional Plan Data Packet EDR 1 - Central





Population Trends



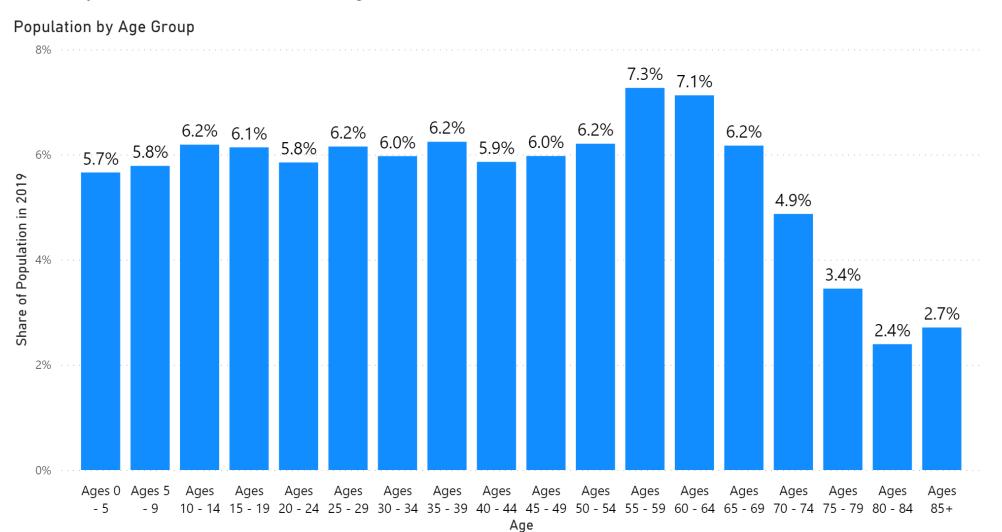


Population Trends

Region

Central

The median age in Illinois has been steadily increasing over the past decade. In 2019, the median age was 38.6 compared to 36.6 in 2010. Statewide, just over 16% of Illinois residents are age 65 and over.



Age Group	2019 Population
Ages 0 - 5	30,018
Ages 5 - 9	30,684
Ages 10 - 14	32,825
Ages 15 - 19	32,552
Ages 20 - 24	31,029
Ages 25 - 29	32,634
Ages 30 - 34	31,667
Ages 35 - 39	33,115
Ages 40 - 44	31,085
Ages 45 - 49	31,680
Ages 50 - 54	32,918
Ages 55 - 59	38,553
Ages 60 - 64	37,802
Ages 65 - 69	32,727
Ages 70 - 74	25,835
Ages 75 - 79	18,299
Ages 80 - 84	12,697
Ages 85+	14,378
Total	530,498

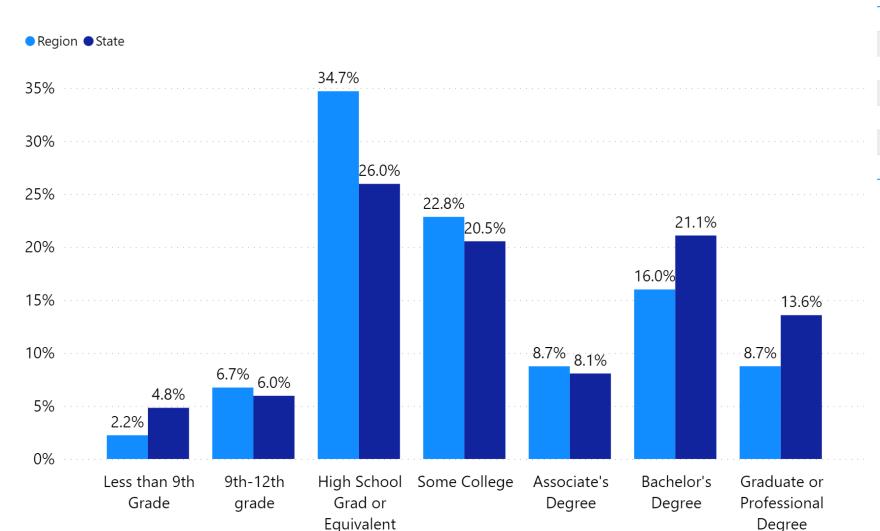
Education Attainment of Population 25 & Over

Region

Central

Population Ages 25+

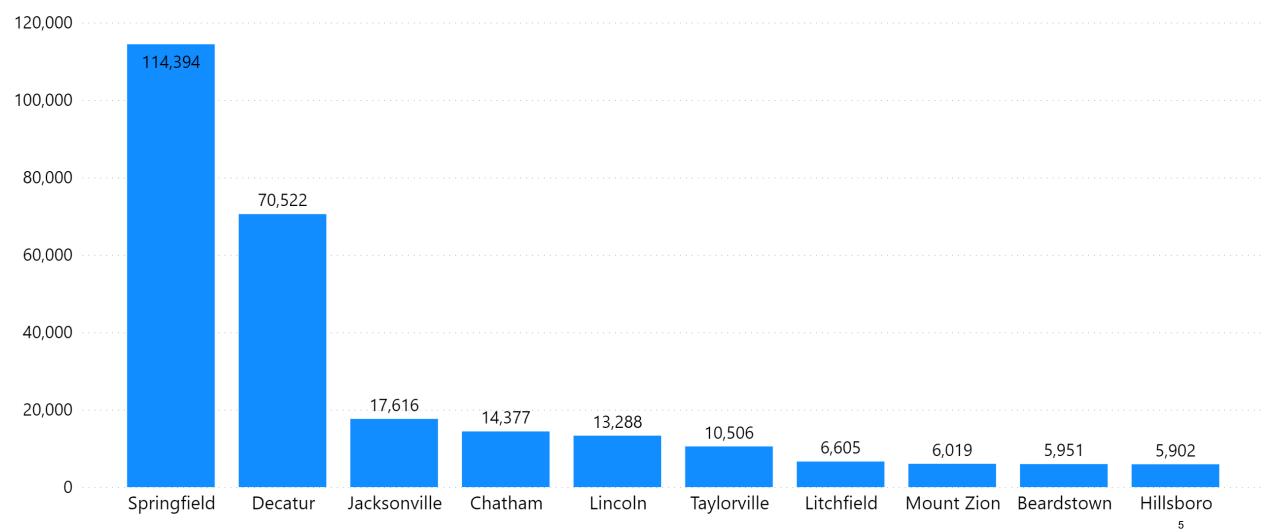
Over 63% of Illinois residents 25 & over continued education past high school.



	<u>'</u>	
Less than 9th Grade		8,410
9th-12th grade		25,338
High School Grad or Equivalent		130,477
Some College		85,906
Associate's Degree		32,883
Bachelor's Degree		60,142
Graduate or Professional Degree		32,902
Total		376 058

Population by Largest Cities in Region

Statewide, Illinois has a current population of 12.8 million people (4% of the US Population). The population of Illinois declined each year between 2013 and 2019, but it increased in 2020.



Veteran Population by Age, Type, Race, & Education

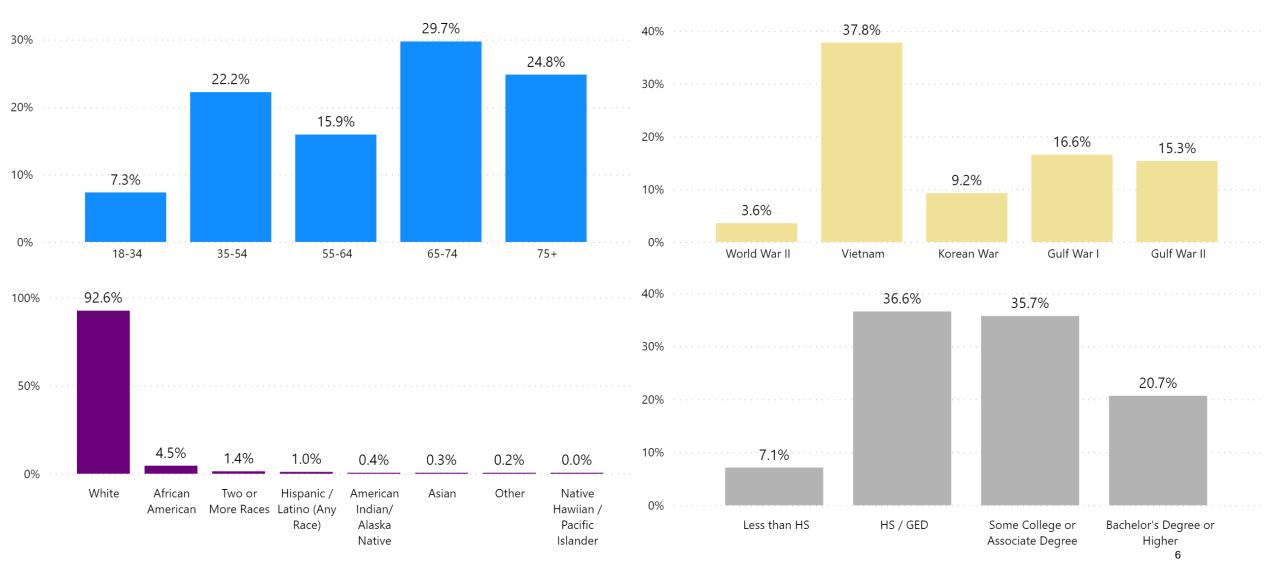
Region

Central

37,098

Regional Veteran Population

Statewide, there are 570,264 veterans in Illinois, which is about 4% of the total population. On the national level, veterans represent about 6% of the total population.



Population with Disabilities by Age and Type

Region

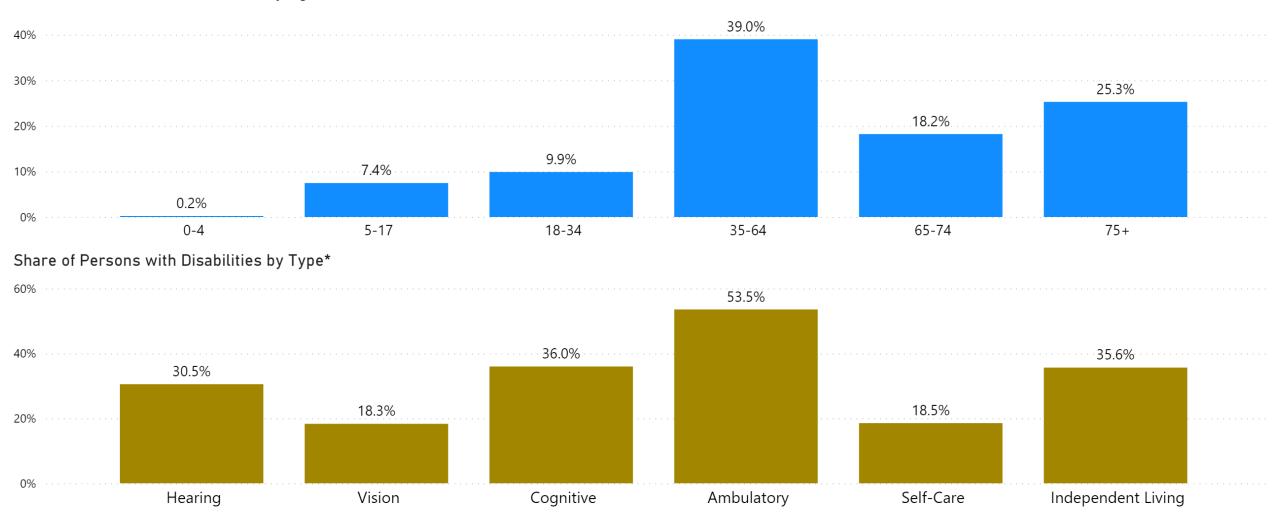
Central

74,493

Approximately 11% of the population (or 1.4 million people) in Illinois have some type of disability. The most prominent disabilities include ambulatory and the inability to live independently.

People with disabilities in region

Share of Persons with Disabilities by Age



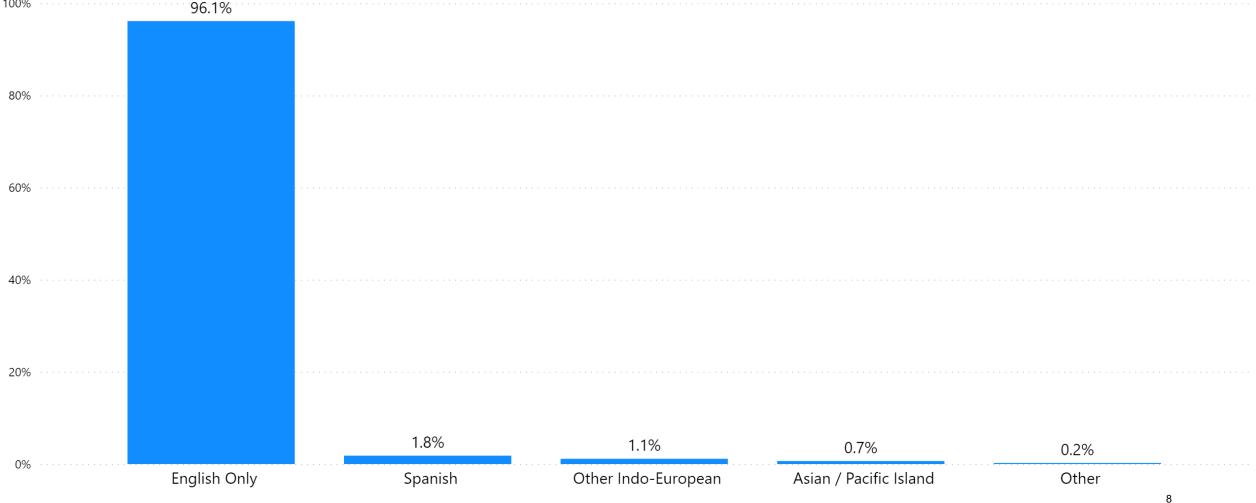
^{*}Sum of percentages can exceed 100 due to persons with multiple disabilities.

7 Source: U.S. Census Bureau, 2015-2019 American Community Survey, Table S1810.

Population by Language

Region Central

Statewide, 23.1% of Illinois residents speak a langauge other than English at home. On the national level, 21.6% of the population speaks a language other than English at home.

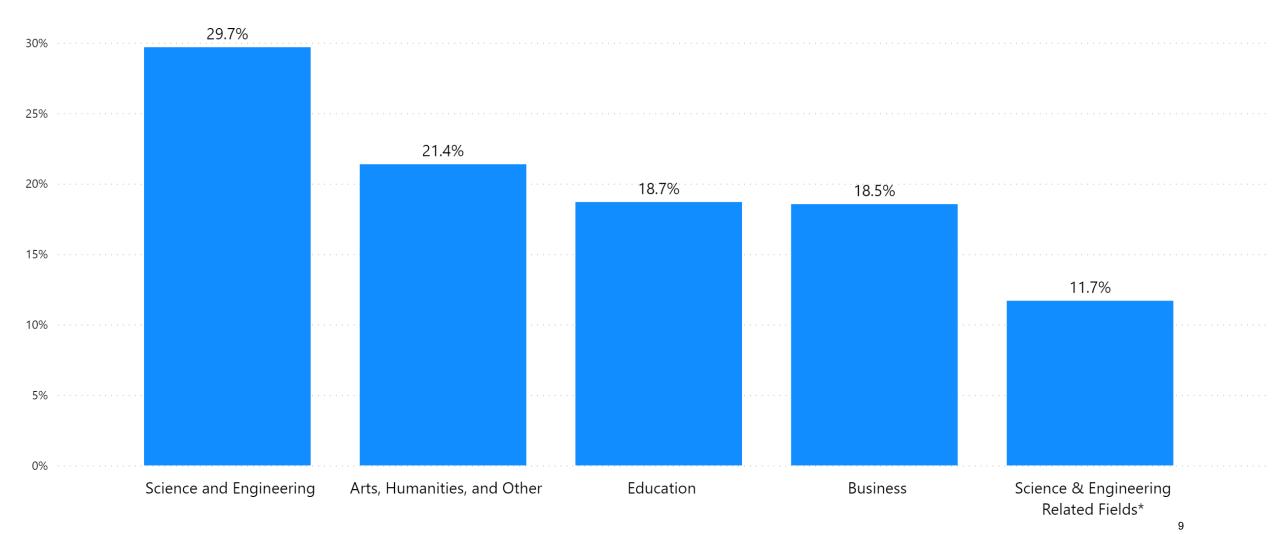


Bachelor Degree Population by Field

Region

Central

In Illinois, 36% of individuals 25 or older hold at least a Bachelor's degree, which is higher than the national figure of 32%.



Median Income by County- Households with Children

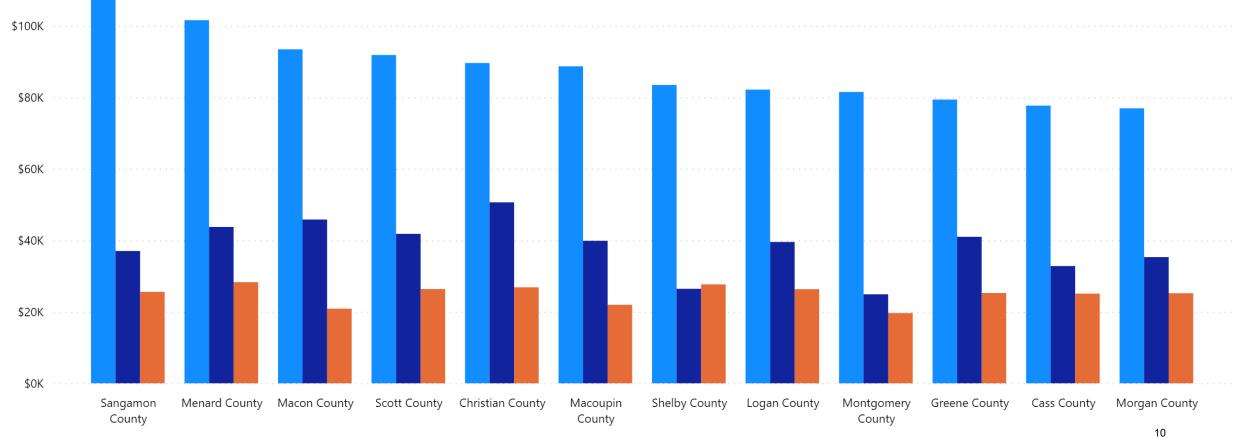
Region

Central

The statewide median income for all households was \$65,886, which is 5% higher than the national level of \$62,843. In Illinois, the median income was \$107,172 for married couples with children, \$44,318 for male householders with children, and \$39,720 for female householders with children.

Median Income by Household Type



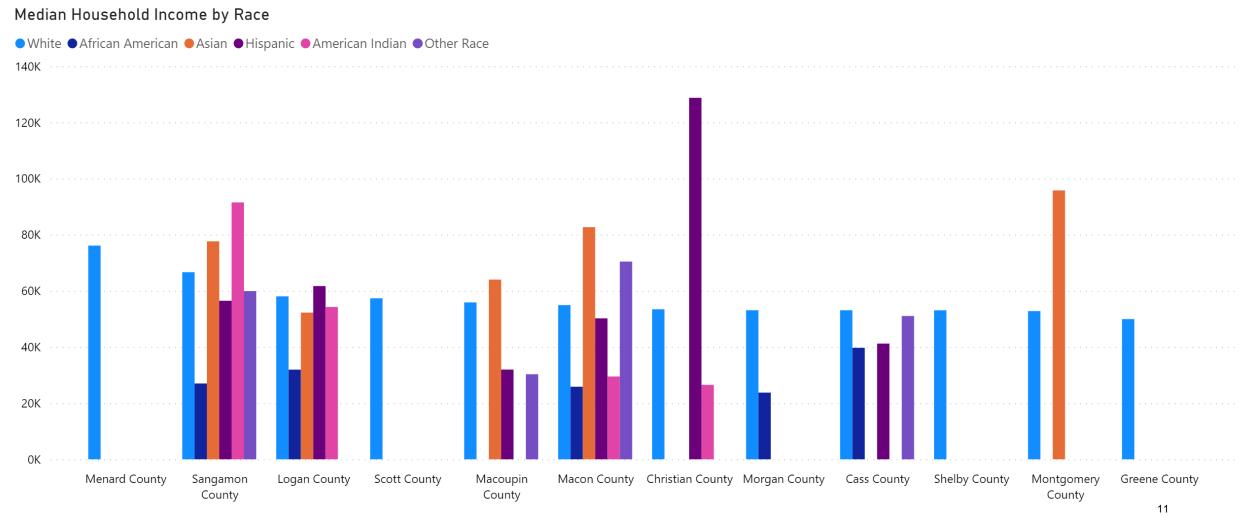


Median Income by County and Race

Region

Central

Statewide, the median income for African American households is \$38,573, American Indian households is \$49,634, Asian households is \$90,278, Hispanic households is \$55,836, White households is \$71,922, and Other Race households is \$52,832.

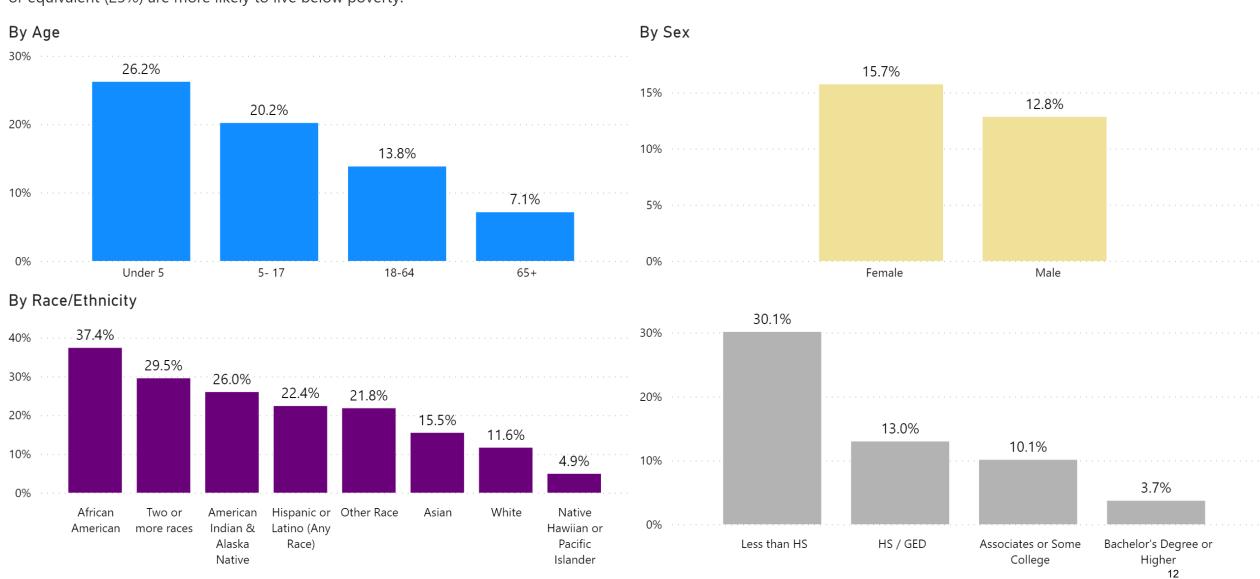


Percent of Population Below Poverty

Region

Central

Roughly 1.6 million Illinois residents live below poverty. Children under the age of 5 (19%), females (14%), African Americans (26%), and individuals lacking a high school diploma or equivalent (23%) are more likely to live below poverty.

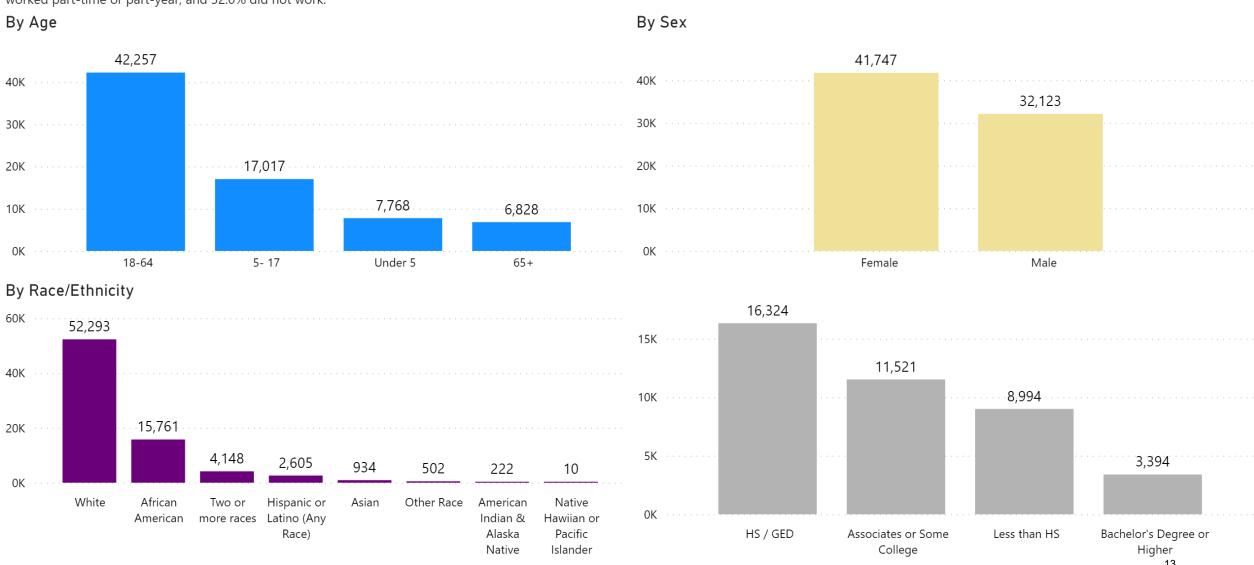


Counts of Population Below Poverty

Region

Central

Roughly 1.6 million Illinois residents live below poverty. Children under the age of 5 (19%), females (14%), African Americans (26%), and individuals lacking a high school diploma or equivalent (23%) are more likely to live below poverty. Approximately 12.5% of the population in Illinois are below the poverty level compared to 13.4% nationwide. About 44.6% of the population in poverty worked full-time, year round, 23.3% worked part-time or part-year, and 32.0% did not work.



ADDITIONAL TARGET POPULATION STATISTICS

EDR 1 Central

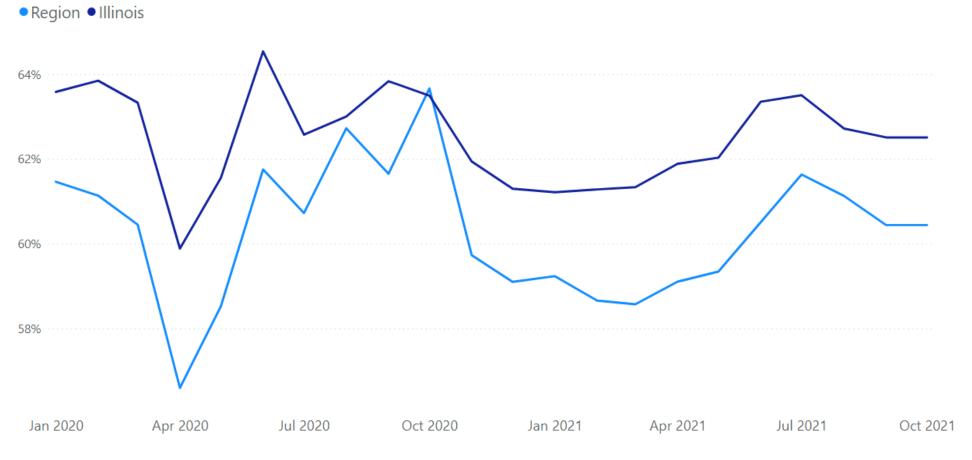
(Cass, Christian, Greene, Logan, Macon, Macoupin, Menard, Montgomery, Morgan, Sangamon, Scott, & Shelby)

<u>Low-Income Indicators</u>	
SNAP Households, Monthly Average 2020	63,522
SNAP Cases, Monthly Average 2020	120,062
TANF Cases, Monthly Average 2020	2,258
TANF Persons, Monthly Average 2020	5,858
Foster Care Indicators	
Total Foster Youth, October 31, 2021	1,925
Foster Youth- Foster Care	759
Foster Youth- Relative	1,111
Foster Youth- Institution or Group Home	30
Other Foster Youth	25
DOC Indicators	
Adult Prison Population by Sentencing Region, June 30th, 2021	1,744
Adult Parolee Population by Region of Residence, June 30, 2021	1,310
Average Daily Juvenile Detention Population, June 2021	12
<u>Other Indicators</u>	
Single Parents	
Male Householder with own children, no partner present	2,589
Female Householder with own children, no partner present	12,648
Adult Population at Risk	
Foreign Born Population	12,410
Age 18+ without high school diploma	40,645

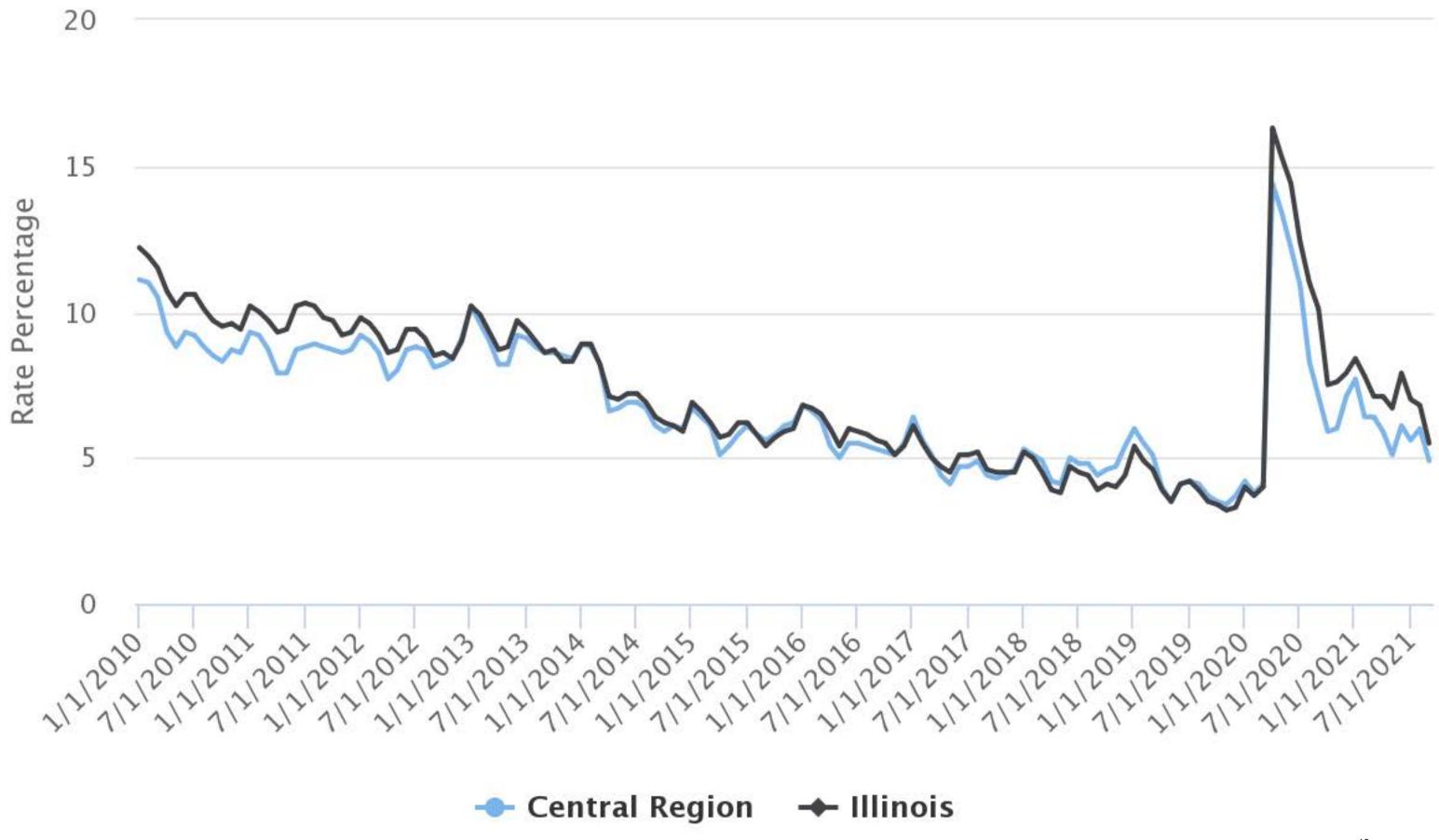
Central

Labor Force Participation Rates by Month, January 2020 - October 2021



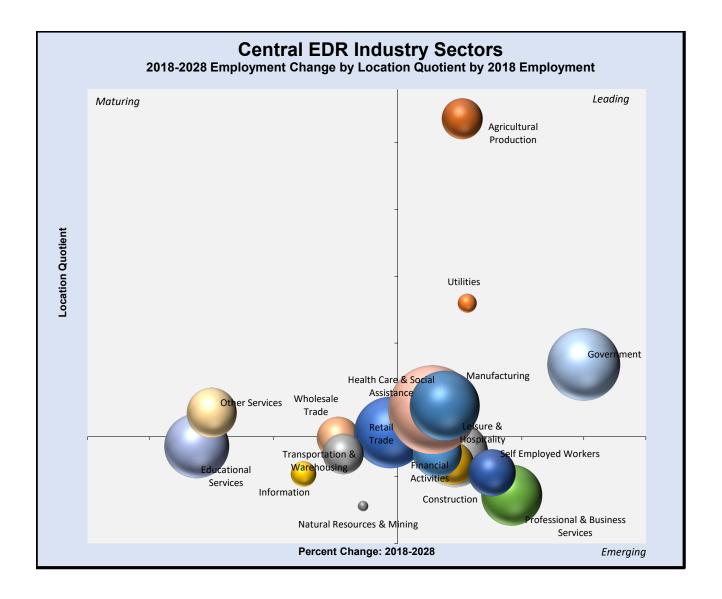


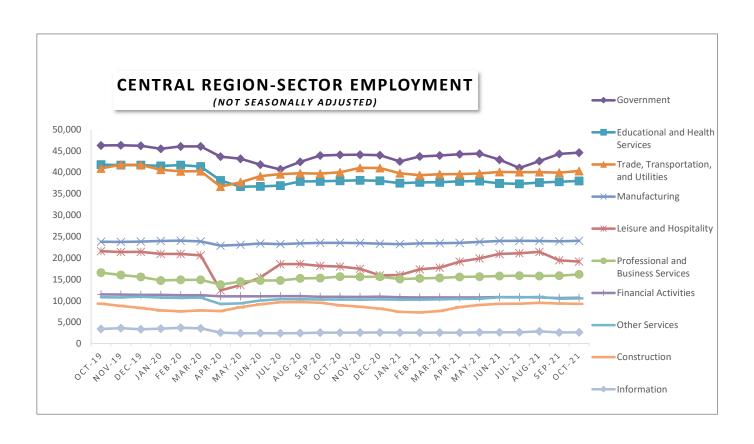
Not Seasonally Adjusted Monthly Unemployment Rate

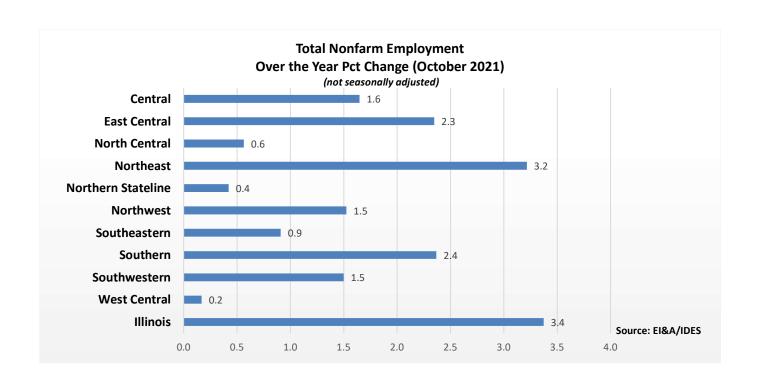


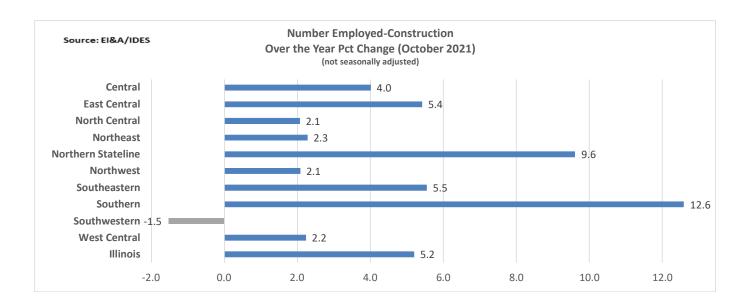
NAICS Title	2018 Employment	Projected 2028 Employment	Net Employment Change 2018 -	Percent Employment Change	Concentration (Location Quotient)
TOTAL, ALL INDUSTRIES	251,161	253,405		0.9%	
Self Employed Workers	10,967	11,379	•	3.8%	0.73
	•	•	210	2.6%	3.38
Agricultural Production	8,151	8,361			
Natural Resources & Mining	514	507	-7	-1.4%	0.48
Construction	9,105	9,309		2.2%	0.8
Manufacturing	24,329	24,798	469	1.9%	1.23
Wholesale Trade	9,063	8,850	-213	-2.4%	0.99
Retail Trade	25,315	25,245	-70	-0.3%	1.03
Utilities	1,726	1,774	48	2.8%	2
Transportation & Warehousing	8,156	7,975	-181	-2.2%	0.87
Information	3,195	3,073	-122	-3.8%	0.72
Financial Activities	11,733	11,917	184	1.6%	0.88
Professional & Business Services	18,413	19,256	843	4.6%	0.56
Educational Services	20,662	18,990	-1,672	-8.1%	0.93
Health Care & Social Assistance	39,231	39,799	568	1.4%	1.2
Leisure & Hospitality	22,094	22,599	505	2.3%	0.87
Other Services	12,162	11,254	-908	-7.5%	1.18
Government	26,345	28,319	1,974	7.5%	1.54

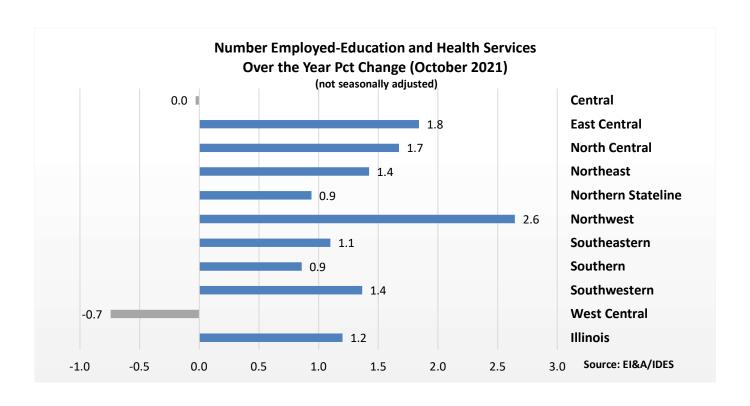
Leading Maturing Emerging

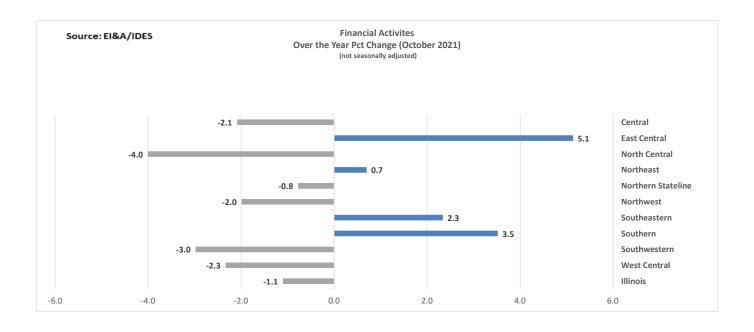


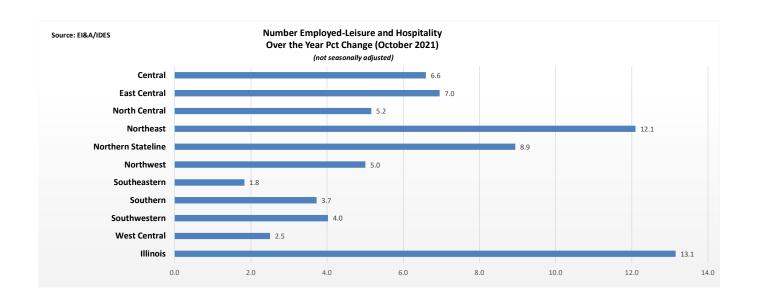


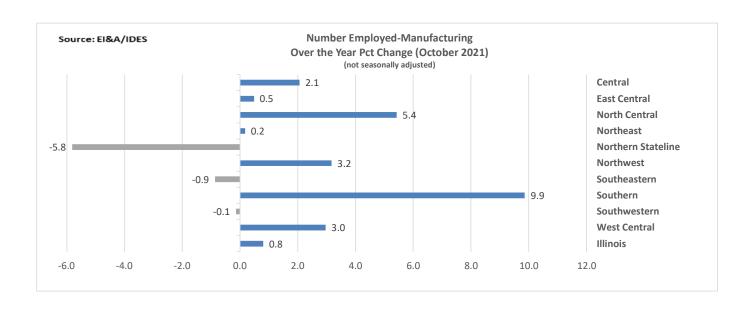


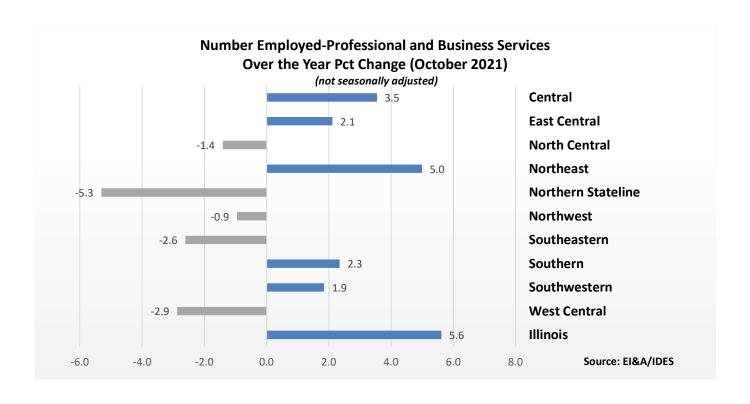


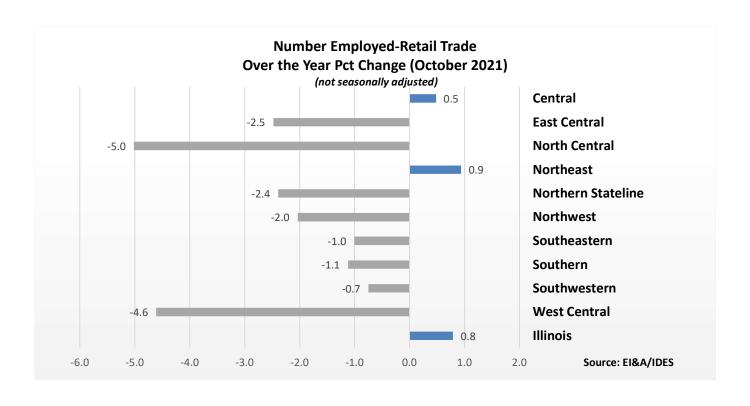


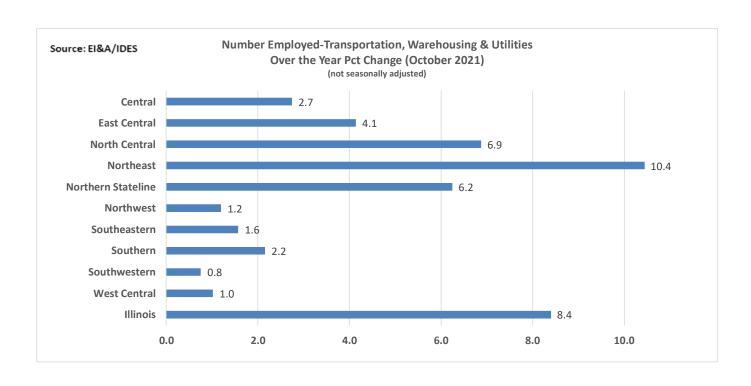












Sectors, Industries & Clusters

The terms "sector", "industry" and "cluster" are sometimes a source of confusion, and can be an unnecessary source of debate among various stakeholders.

Sector describes a large segment of the economy, while **Industry** refers to a much more specific group of companies or businesses. The terms industry and sector are often used interchangeably to describe a group of companies that operate in the same segment of the economy or share a similar business type.

A **cluster** is a regional concentration of related industries in a particular location. Clusters are a striking feature of economies, making regions uniquely competitive for jobs and private investment. Adding to the confusion, the education community established a national framework of 16 "career clusters", which links programs of study to occupations with similar knowledge and skill requirements.

The table below is a standardized list of Industries from the North American Industry Classification System (NAICS) at its highest, "2-digit" sector level. Within each of these sectors, NAICS groups similar companies into ever-increasing levels of granularity, down to the "6-digit" level. The table below right shows how this works in the Construction sector, with just a partial list of more detailed codes.

Code	Industry Title
11	Agriculture, Forestry, Fishing and Hunting
21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information
52	Finance and Insurance
53	Real Estate Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Food Services
81	Other Services (except Public Administration)
92	Public Administration

Codes	<u>Titles</u>
23	Construction
2361	Residential Building Construction
236115	New Single-Family Housing Construction (except For-Sale Builders)
236116	New Multifamily Housing Construction (except For-Sale Builders)
236117	New Housing For-Sale Builders
236118	Residential Remodelers
2362	Nonresidential Building Construction
236210	Industrial Building Construction
236220	Commercial and Institutional Building Construction
2371	Utility System Construction
237110	Water and Sewer Line and Related Structures Construction
237120	Oil and Gas Pipeline and Related Structures Construction
237130	Power and Communication Line and Related Structures Construction

There are literally thousands of 6-digit NAICS codes, which may be viewed at naics.com/search/. For our purposes, 2 to 3 digit NAICS codes provide sufficient detail.

NAICS is the standard used by Federal statistical agencies in classifying business establishments for the purpose of collecting, analyzing, and publishing statistical data related to the U.S. business economy. Like all data, NAICS does have some limitations and caveats. For example, NAICS classifies businesses based on their primary activities, but a specific business may have significant activity in other sectors. For example, Wal-Mart's primary activity is a retailer, but it employs thousands of workers focused on Transportation / Distribution/Logistics at its distribution centers and in-house trucking division.

Readers are cautioned to not make assumptions on the types of businesses or occupations implied by high level groupings.

For example, the NAICS "Information" sector includes industries primarily focused on: publishing, motion pictures, broadcasting, internet publishing and broadcasting, telecommunications, data processing etc. Occupations requiring "information technology" skills are embedded in companies from all sectors. We must look beyond the Information sector to discern the full extent of the supply and demand for jobs and workers needing IT skills. There are significant numbers of tech workers spread across manufacturing, finance, government and many other sectors. Likewise, "Energy" is not a sector in the NAICS model, but energy-related industries and occupations are found in sectors such as: Construction; Manufacturing; and Professional, Scientific and Technical Services, among others.

Regional Sector Analysis Change in Employment and Location Quotient

The following maps show the "where" for selected economic data at the regional and county levels. This view allows readers to more easily see how each county contributes to the overall economic engine in a region and how regions as a whole compare to other areas of the state.

The **Employment Change** maps indicate the level of gain or loss of employment between Q4 2017 and Q4 2018. Use these maps to understand where gains and losses occurred, identify targets of opportunity where skilled workers may be in greater demand and areas which may be in need of attention.

The **Location Quotient** maps indicate counties where sector employment is most and least concentrated. The LQ value indicates how concentrated employment in a given sector compares to the nation.

A value of 1.0 means employment is in line with the overall national employment for that sector. A value greater than 1.0 means that sector's employment is more heavily concentrated here than in the nation, while values less than 1.0 indicate employment is less concentrated than in the nation. The farther away from 1.0, the greater the difference between what is happening in that county compared to the nation.

2.0 1.5 ----1.0 0.75 0.5 0.25

4.0

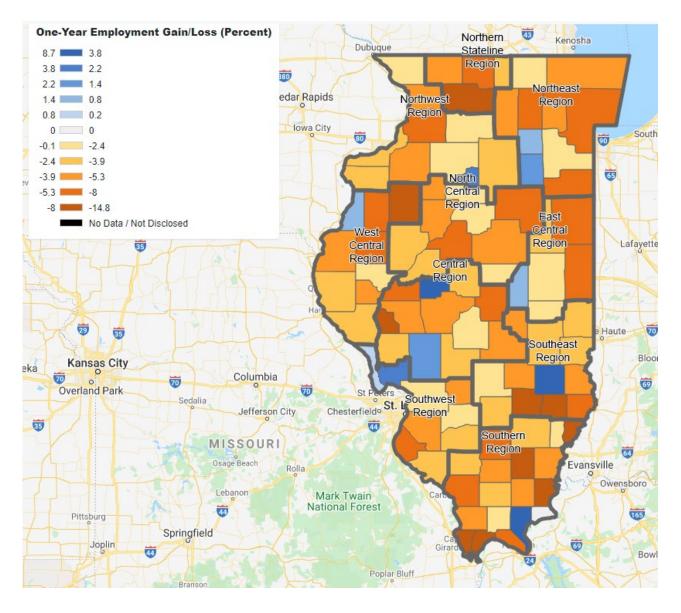
NOTE: Counties shaded black have insufficient numbers of workers to reach the federal employment reporting threshold.

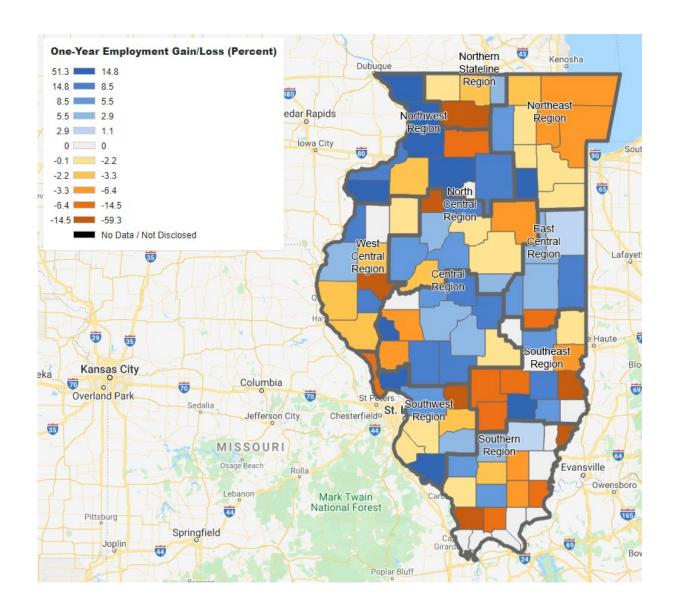
Use these maps to quickly see where sector-based employment is concentrated and the degree to which it is above or below the national level. Areas with high LQs may have an inherent advantage, while areas with low LQs may be at an inherent disadvantage for supporting a particular sector's businesses with skilled workers.

Regional Employment Change and Location Quotient Maps as of Quarter 1 2021

All maps retrieved from the Illinois Employment Business System at Illinois workNet. Underlying data is from the U.S. Census Bureau, Quarterly Census of Employment and Wages.

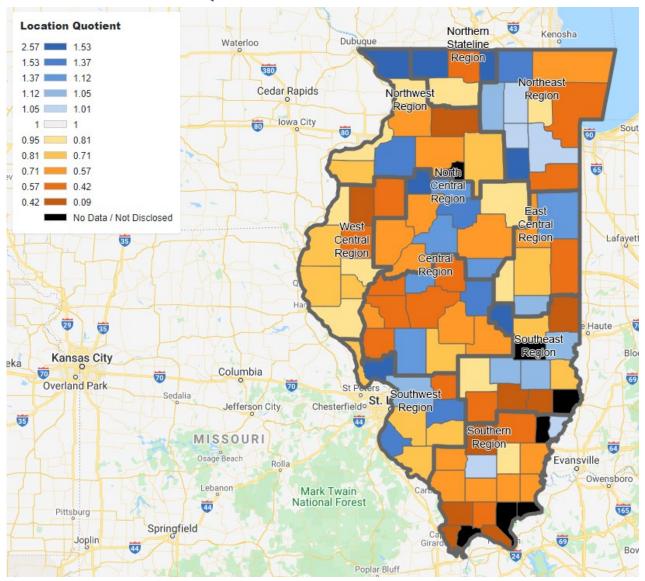
All Industry 12 Month Employment Change

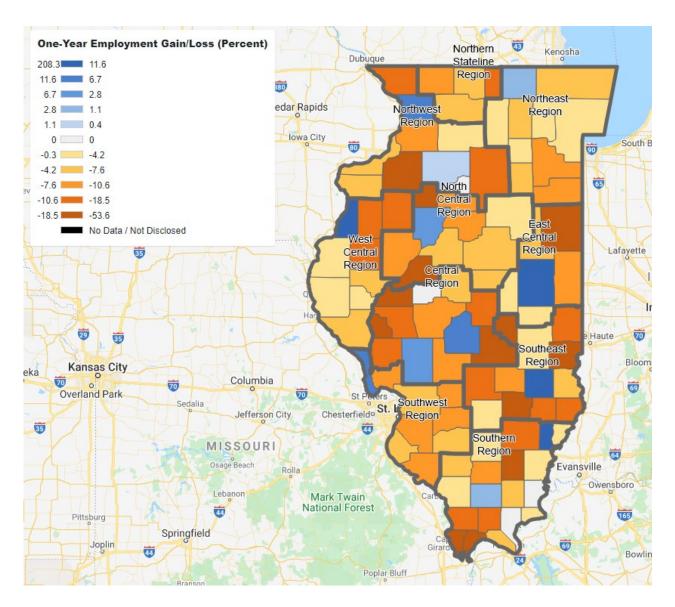




Construction (NAICS 23)
Construction of Buildings (NAICS 236)
Heavy and Civil Engineering Construction (NAICS 237)
Specialty Trade Contractors (NAICS 238)

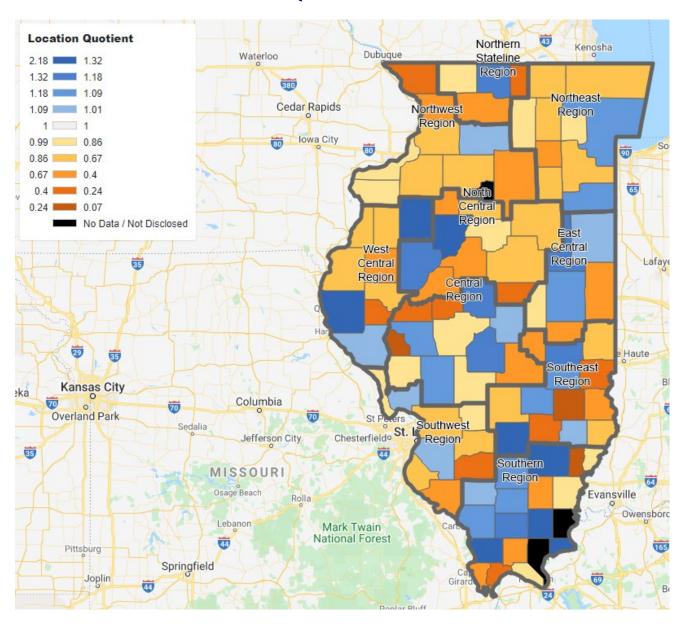
Construction Location Quotient

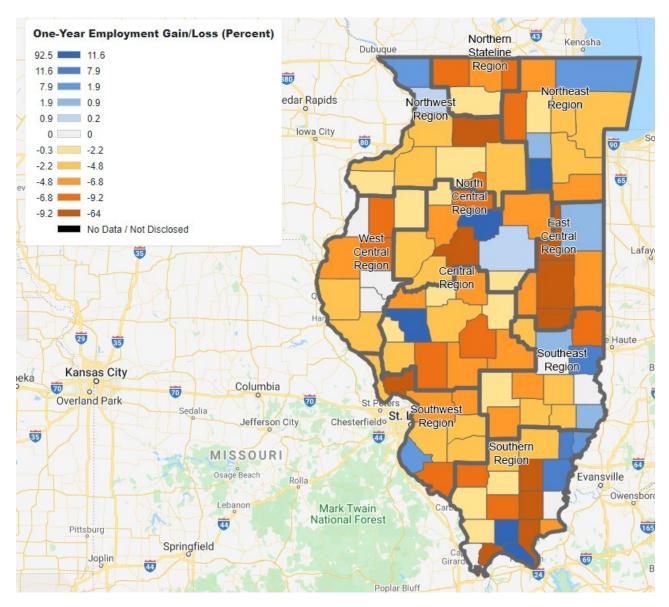




Education and Health Services
Educational Services (NAICS 61)
Health Care and Social Assistance (NAICS 62)
Ambulatory Health Care Services (NAICS 621)
Hospitals (NAICS 622)
Nursing and Residential Care Facilities (NAICS 623)
Social Assistance (NAICS 624)

Education and Health Location Quotient





Financial Activities

Finance and Insurance (NAICS 52)

Monetary Authorities - Central Bank (NAICS 521)

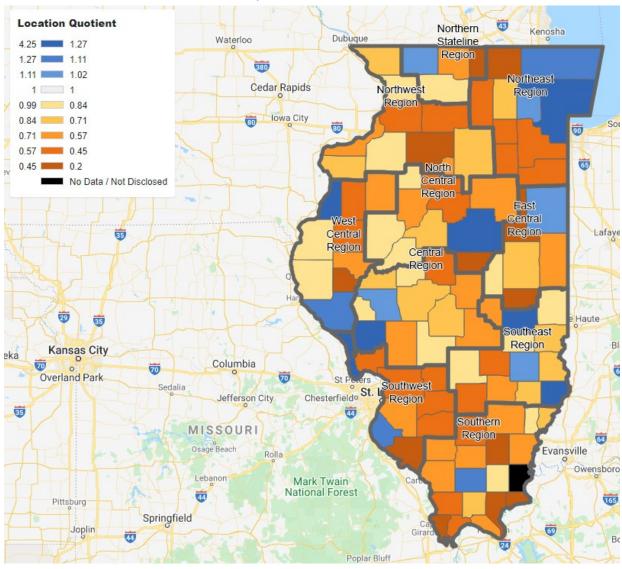
Credit Intermediation and Related Activities (NAICS 522)

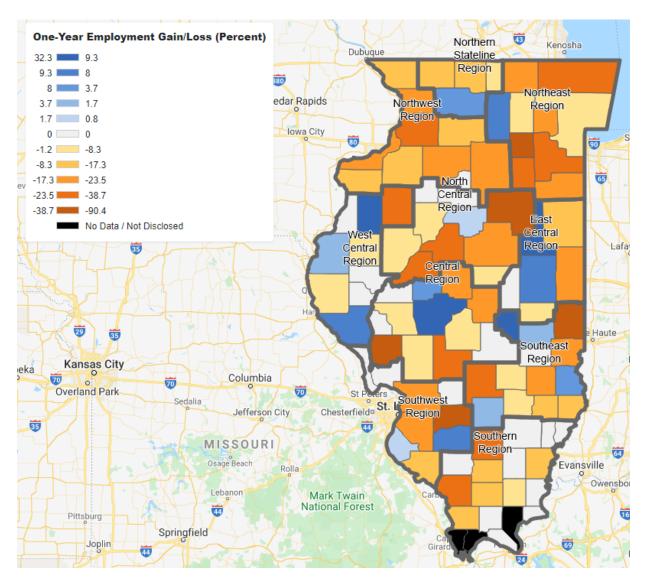
Securities, Commodity Contracts, and Other Financial Investments and Related Activities (NAICS 523)

Insurance Carriers and Related Activities (NAICS 524)

Funds, Trusts, and Other Financial Vehicles (NAICS 525)

Financial Activities Location Quotient





Information (NAICS 51)

Publishing Industries (except Internet) (NAICS 511)

Motion Picture and Sound Recording Industries (NAICS 512)

Broadcasting (except Internet) (NAICS 515)

Internet Publishing and Broadcasting (NAICS 516)

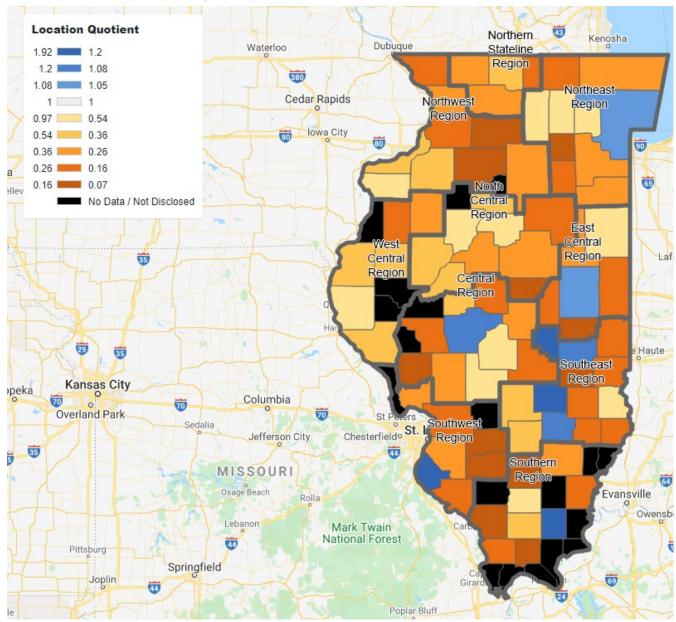
Telecommunications (NAICS 517)

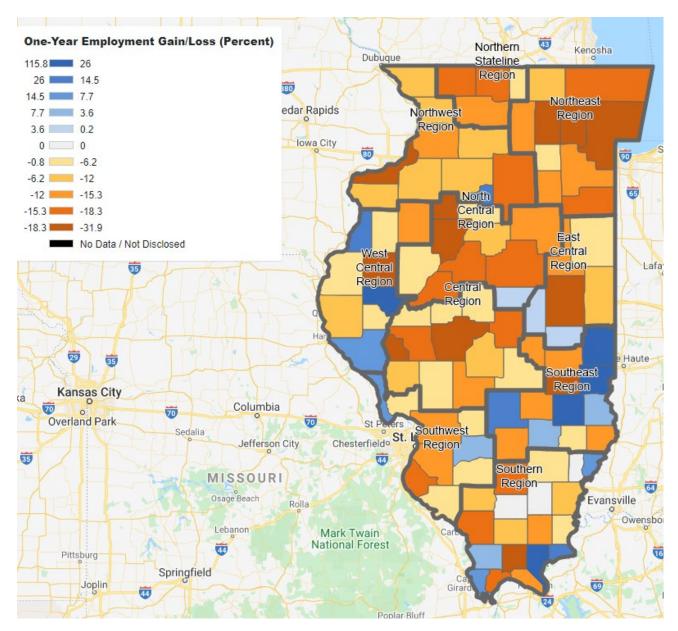
Data Processing, Hosting, and Related Services (NAICS 518)

Other Information Services (NAICS 519)

^{*} NOTE - Internet Publishing and Broadcasting and Data Processing, Hosting and Related Services includes COMPANIES primarily focused on this activity. Nearly all companies across all sectors employ workers in Information Technology occupations. Most IT workers are counted in the sector of their employer.

Information Location Quotient





Leisure and Hospitality

Arts, Entertainment, and Recreation (NAICS 71)

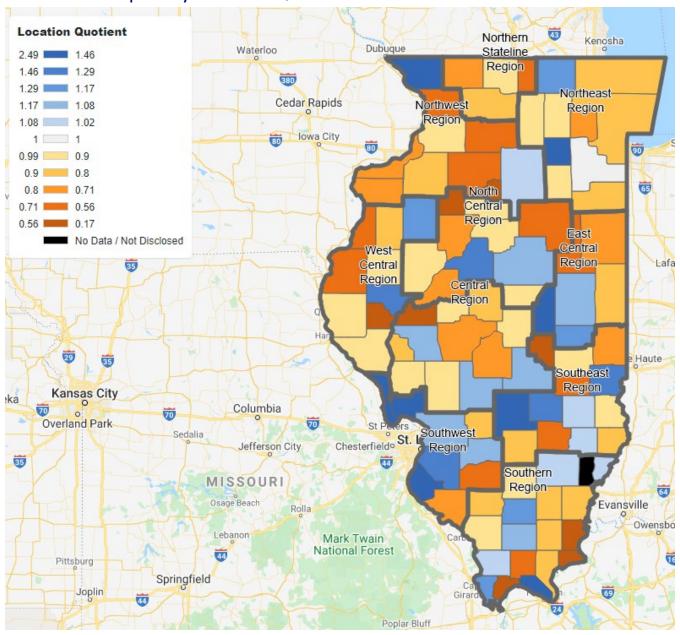
Performing Arts, Spectator Sports, and Related Industries (NAICS 711)

Museums, Historical Sites, and Similar Institutions (NAICS 712)

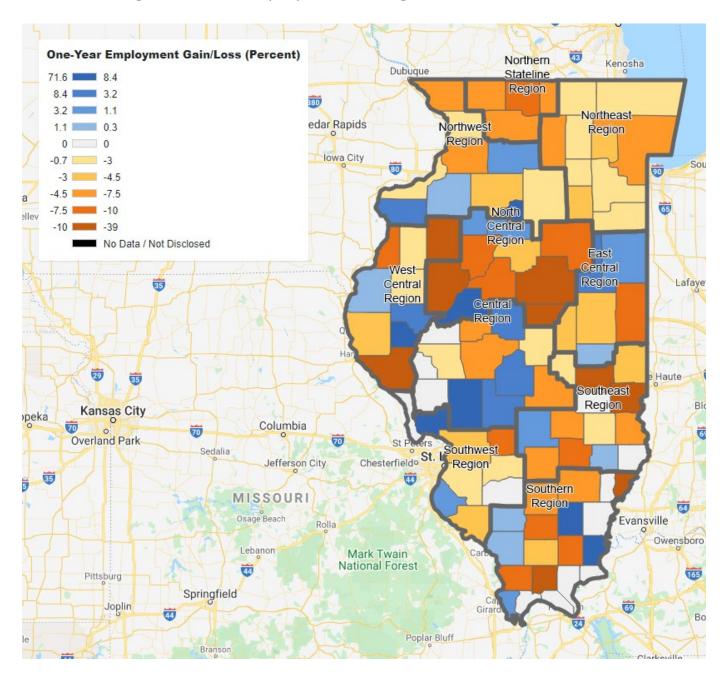
Amusement, Gambling, and Recreation Industries (NAICS 713)

Accommodation and Food Services (NAICS 72) Accommodation (NAICS 721)
Food Services and Drinking Places (NAICS 722)

Leisure & Hospitality Location Quotient



Manufacturing 12 Month Employment Change



Manufacturing (NAICS 31-33)

Food Manufacturing (NAICS 311)

Beverage and Tobacco Product Manufacturing (NAICS 312)

Textile Mills (NAICS 313)

Textile Product Mills (NAICS 314)

Apparel Manufacturing (NAICS 315)

Leather and Allied Product Manufacturing (NAICS 316)

Wood Product Manufacturing (NAICS 321)

Paper Manufacturing (NAICS 322)

Printing and Related Support Activities (NAICS 323)

Petroleum and Coal Products Manufacturing (NAICS 324)

Chemical Manufacturing (NAICS 325)

Plastics and Rubber Products Manufacturing (NAICS 326)

Nonmetallic Mineral Product Manufacturing (NAICS 327)

Primary Metal Manufacturing (NAICS 331)

Fabricated Metal Product Manufacturing (NAICS 332) Machinery Manufacturing (NAICS 333)

Computer and Electronic Product Manufacturing (NAICS 334)

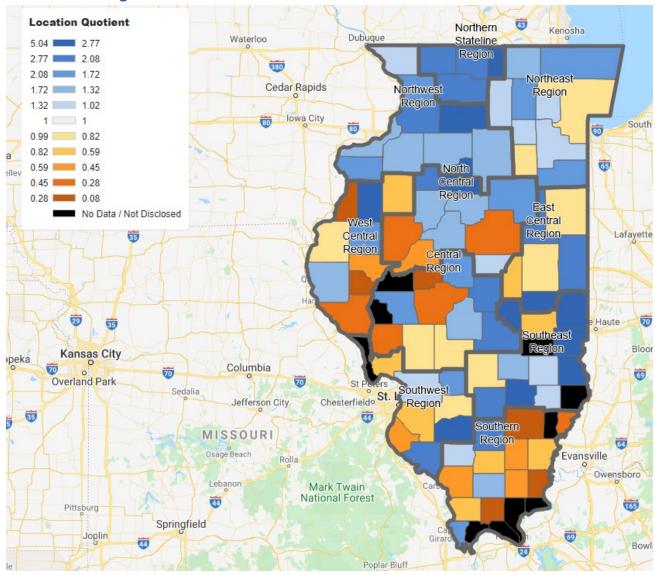
Electrical Equipment, Appliance, and Component Manufacturing (NAICS 335)

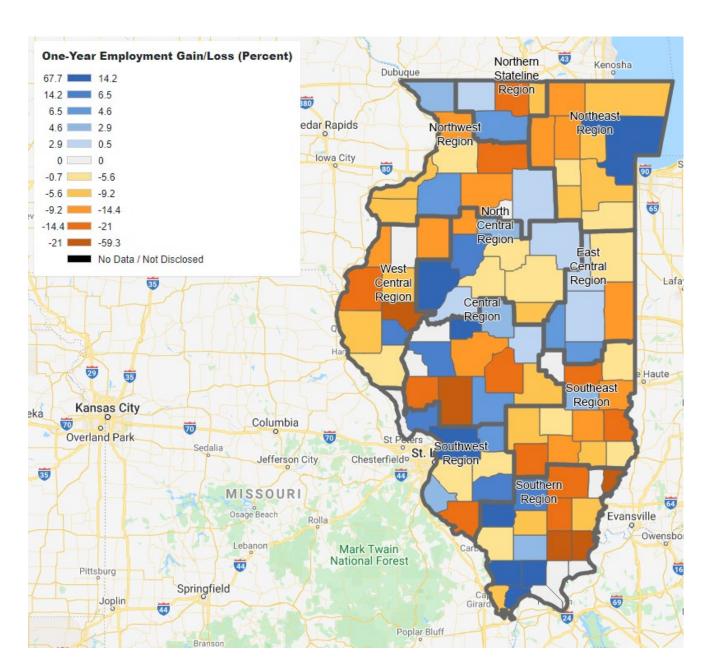
Transportation Equipment Manufacturing (NAICS 336)

Furniture and Related Product Manufacturing (NAICS 337)

Miscellaneous Manufacturing (NAICS 339)

Manufacturing Location Quotient





Natural Resources and Mining

Agriculture, Forestry, Fishing and Hunting (NAICS 11)

Crop Production (NAICS 111)

Animal Production (NAICS 112)

Forestry and Logging (NAICS 113)

Fishing, Hunting and Trapping (NAICS 114)

Support Activities for Agriculture and Forestry (NAICS 115)

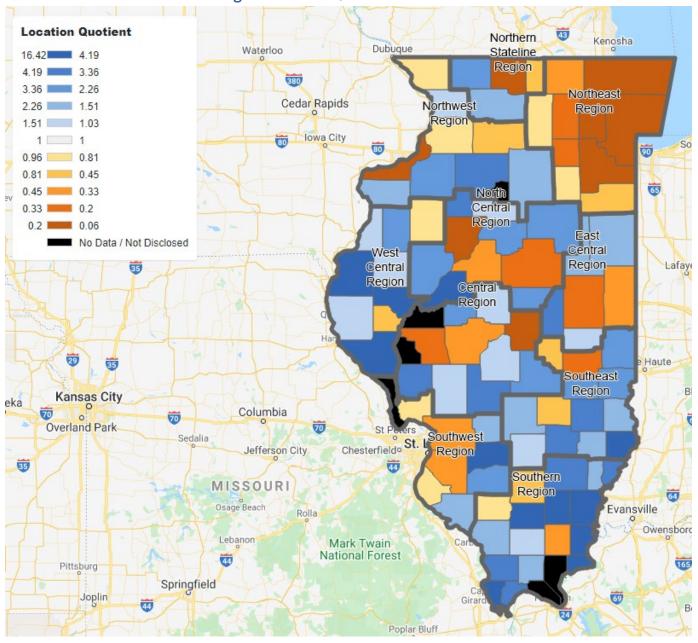
Mining, Quarrying, and Oil and Gas Extraction (NAICS 21)

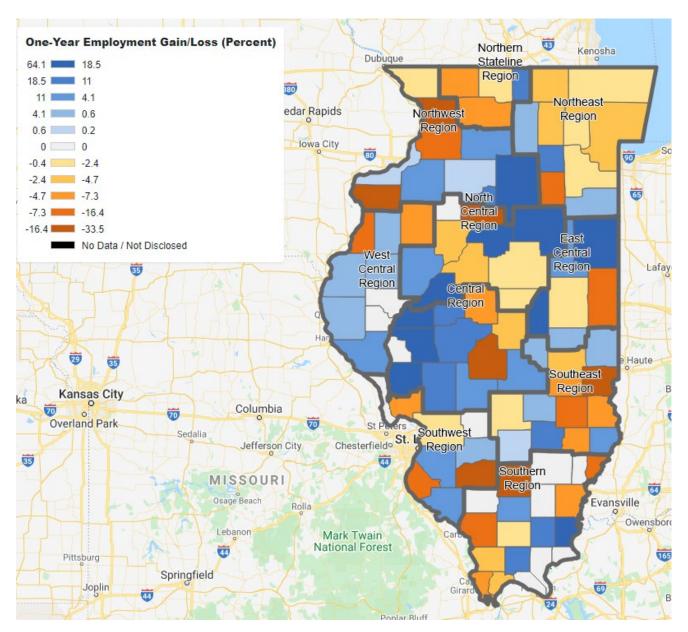
Oil and Gas Extraction (NAICS 211)

Mining (except Oil and Gas) (NAICS 212)

Support Activities for Mining (NAICS 213)

Natural Resources & Mining Location Quotient





Professional and Business Services

Professional, Scientific, and Technical Services (NAICS 54)

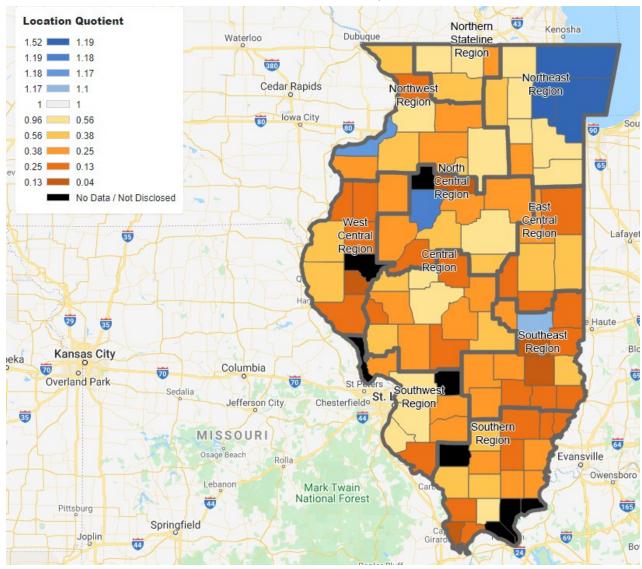
Management of Companies and Enterprises (NAICS 55)

Administrative and Support and Waste Management and Remediation Services (NAICS 56)

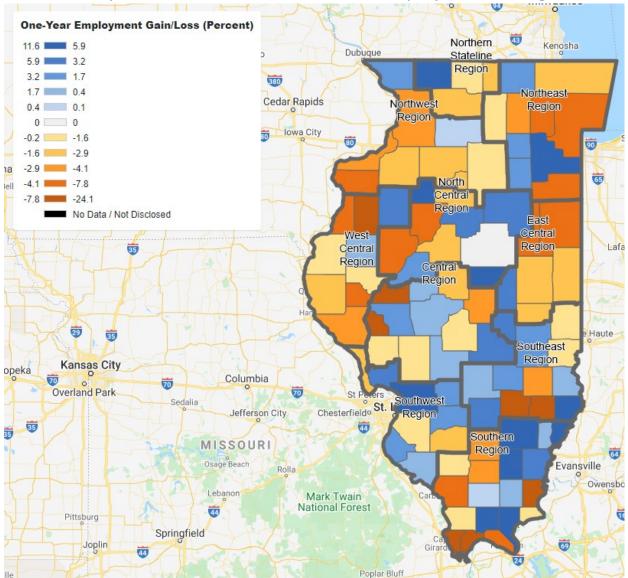
Administrative and Support Services (NAICS 561)

Waste Management and Remediation Services (NAICS 562)

Professional & Business Services Location Quotient



Trade, Transportation, & Utilities 12 Month Employment Change



Trade, Transportation, and Utilities (List Continues on next page)

Wholesale Trade (NAICS 42)

Merchant Wholesalers, Durable Goods (NAICS 423)

Merchant Wholesalers, Nondurable Goods (NAICS 424)

Wholesale Electronic Markets and Agents and Brokers (NAICS 425)

Retail Trade (NAICS 44-45)

Motor Vehicle and Parts Dealers (NAICS 441)

Furniture and Home Furnishings Stores (NAICS 442)

Electronics and Appliance Stores (NAICS 443)

Building Material and Garden Equipment and Supplies Dealers (NAICS 444)

Food and Beverage Stores (NAICS 445)

Health and Personal Care Stores (NAICS 446)

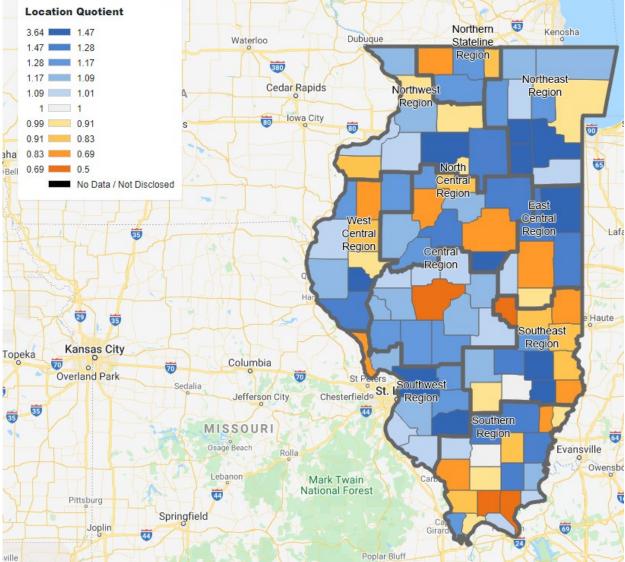
Gasoline Stations (NAICS 447)

Clothing and Clothing Accessories Stores (NAICS 448)

Sporting Goods, Hobby, Book, and Music Stores (NAICS 451)

General Merchandise Stores (NAICS 452) Miscellaneous Store Retailers (NAICS 453) Nonstore Retailers (NAICS 454) Miscellaneous Store Retailers (NAICS 453) Non-store Retailers (NAICS 454) Transportation and Warehousing (NAICS 48-49) Air Transportation (NAICS 481) Rail Transportation (NAICS 482) Water Transportation (NAICS 483) Truck Transportation (NAICS 484) Transit and Ground Passenger Transportation (NAICS 485) Pipeline Transportation (NAICS 486) Scenic and Sightseeing Transportation (NAICS 487) Support Activities for Transportation (NAICS 488) Postal Service (NAICS 491) Couriers and Messengers (NAICS 492) Warehousing and Storage (NAICS 493) Utilities (NAICS 22)

Trade, Transportation, & Utilities Location Quotient **Location Quotient** Northern 3.64 1.47 Dubuque Waterloo Stateline 1.47 ____ 1.28 Region 1.28 1.17 380 1.17 1.09 Cedar Rapids Northwest 1.09 1.01 Region 1 1



<u>Central</u>							
Econmic Development Region - Illinois Community College System							
Fiscal Year	2020 Summary of Career	& Technical Ed	ducation Degre	e & Certificate	Graduates		
Associate in Certificates Certificates							
District ID	College Name	Applied	of One Year	of Less Than	Total		
		Science	or More	One Year			
52601	Lincoln Land	196	160	573	929		
53601	Lewis and Clark	319	151	370	840		
53701	Richland	144	94	354	592		
Central Total		659	405	1,297	2,361		
Statewide Total 9,217 5,493 20,201 34,9							
% of Statewid	le Total	7.15%	7.37%	6.42%	6.76%		

Illinois Community College Board

More detailed curriculum-level data about Illinois Community College System students and graduates are available through the ICCB Databook (Table III-3 and Table III-9).

ICCB Databook:

http://www2.iccb.org/data/data-characteristics/

Source of Data: ICCB Centralized Data Systen

	<u>Central</u> Econmic Development Region - Illinois Community College System Fiscal Year 2020 Summary of Transfer & General Studies Degrees & Certificates Awarded										
District ID College Name Associate in Arts Associate in Science Science Associate in Science Science Science Associate in Teaching Science Sci						Total					
52601	Lincoln Land	452	71	0	0	4	2	0	96	0	625
53601	Lewis and Clark	156	158	0	0	10	6	542	7	0	879
53701	Richland	118	49	0	0	0	1	41	26	0	235
Central Total		726	278	0	0	14	9	583	129	0	1,739
Statewide Tot	al	13,579	5,039	308	0	312	111	8,819	2,622	6	30,796
% of Statewid	e Total	5.35%	5.52%	0.00%	0.00%	4.49%	8.11%	6.61%	4.92%	0.00%	5.65%

	Central Econmic Development Region - Illinois Community College System Fiscal Year 2020 Summary of Unduplicated Headcount Enrollment by Program Classification										
District ID College Name Vocational ABF ASF FSL					General Studies	General Associates	Total	Noncredit Total			
52601	Lincoln Land	5,732	426	2,231	204	83	230	0	759	9,665	4,235
53601	Lewis and Clark	3,128	162	4,444	175	34	35	0	399	8,377	2,842
53701	Richland	2,247	242	955	166	11	46	7	518	4,192	1,540
Central Total	•	11,107	830	7,630	545	128	311	7	1,676	22,234	8,617
State Total	ate Total 249,146 27,898 119,269 16,680 3,366 26,557 1,216 28,346 472,478 139,800								139,808		
% of State Tot	of State Total 4.46% 2.98% 6.40% 3.27% 3.80% 1.17% 0.58% 5.91% 4.71% 6.16							6.16%			

ABE = Adult Basic Education; ASE = Adult Secondary Education; ESL = English-as-a-Second Language

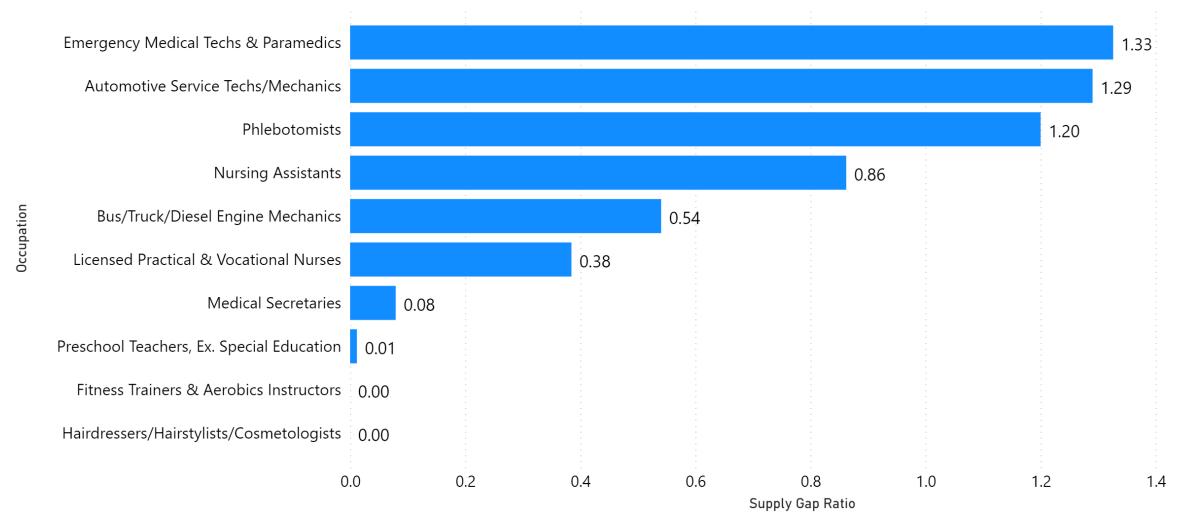
^{**} Noncredit instruction provides activities that do not meet ICCB Rules for credit courses, such as those designed for specific employers, professional development, or others offered for hobby leisure, or recreational purposes.

	<u>Central</u> Econmic Development Region - Illinois Community College System Fiscal Year 2020 Summary of Graduates by Career Cluster																			
District ID	College Name	Agriculture, Food & Natural Resources	Architecture & Construction	Arts, Audio/Video Technology & Communications	Business Management & Administration	Education & Training	Finance	Government & Public Administration	Health Science	Hospitality & Tourism	Human Services	Information Technology	Law, Public Safety, Corrections & Security	Manufacturing	Marketing	Science, Technology, Engineering & Mathematics	Transportation, Distribution & Logistics	Associate - Transfer	General Education Core Curriculum Credential (GECC)	Total
52601	Lincoln Land	7	30	6	7	0	4	0	419	19	5	14	21	127	0	0	270	625	0	1,554
53601	Lewis and Clark	37	23	71	52	0	59	0	273	0	60	39	65	112	18	2	29	337	542	1,719
53701	Richland	1	39	2	70	1	18	0	204	58	18	14	27	30	5	10	95	194	41	827
Central Total	•	45	92	79	129	1	81	0	896	77	83	67	113	269	23	12	394	1,156	583	4,100
State Total		1,497	2,650	613	2,915	333	760	0	12,607	1,065	1,899	1,896	1,580	3,556	229	126	3,191	21,971	8,819	65,707
% of State To	tal	3.01%	3.47%	12.89%	4.43%	0.30%	10.66%	0.00%	7.11%	7.23%	4.37%	3.53%	7.15%	7.56%	10.04%	9.52%	12.35%	5.26%	6.61%	6.24%

Supply Gap Analysis for Occupations Requiring a Certificate or License

Region	
Central	\vee

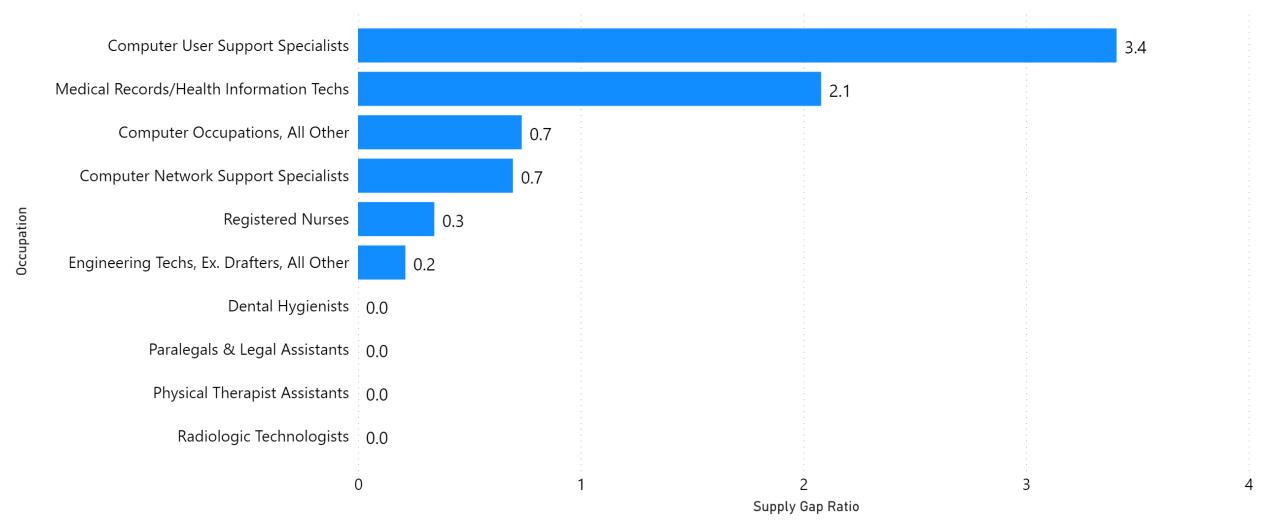
The supply gap ratio is a proxy measure the provides insight on how closely supply aligns with demand for selected occupations. The calculation of the ratio is supply / demand. In this case, the supply is the number of program completions in the region associated with the occupation and the demand is the estimated number of regional job openings. A gap ratio of one indicates one completer per projected job opening. Gaps lower than one indicate more job openings than completers, and gaps greater than 1 indicate more completers than openings.



Supply Gap Analysis for Occupations Requiring an Associate's Degree

Region	
Central	\vee

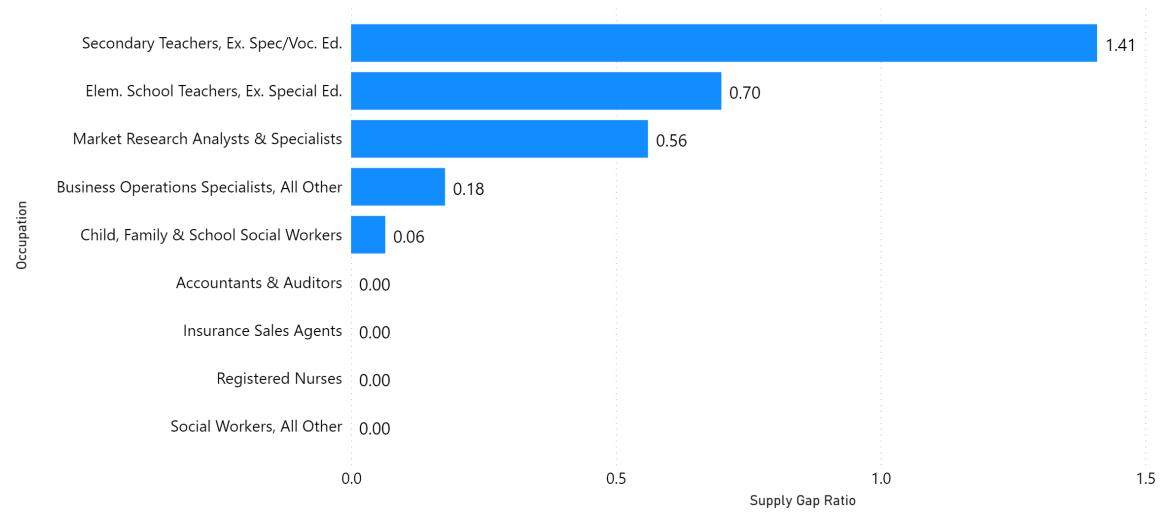
The supply gap ratio is a proxy measure the provides insight on how closely supply aligns with demand for selected occupations. The calculation of the ratio is supply / demand. In this case, the supply is the number of program completions in the region associated with the occupation and the demand is the estimated number of regional job openings. A gap ratio of one indicates one completer per projected job opening. Gaps lower than one indicate more job openings than completers, and gaps greater than 1 indicate more completers than openings.



Supply Gap Analysis for Occupations Requiring a Bachelor's Degree

Region	
Central	~

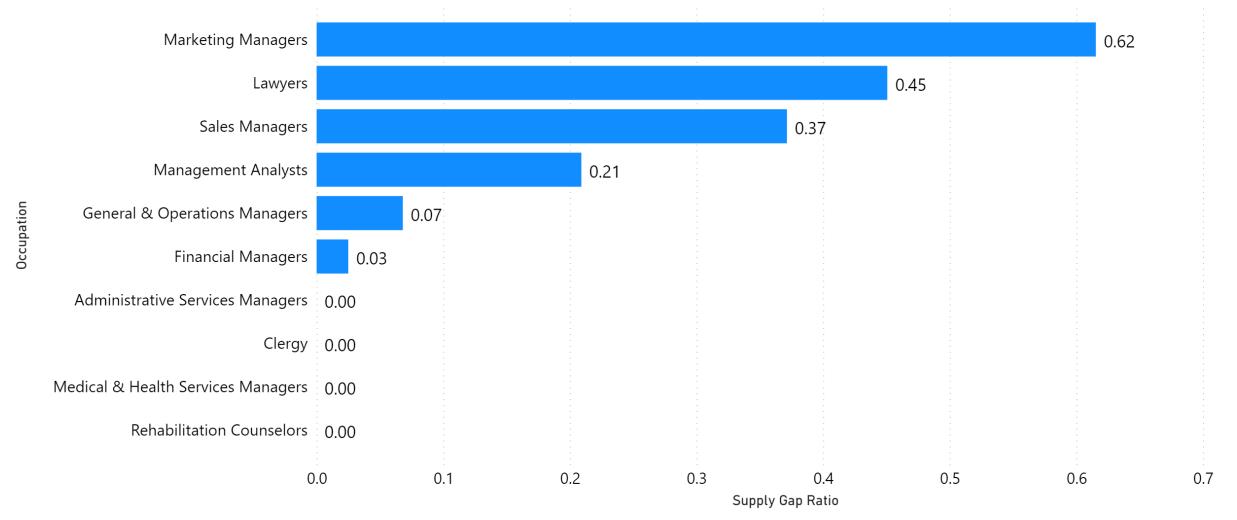
The supply gap ratio is a proxy measure the provides insight on how closely supply aligns with demand for selected occupations. The calculation of the ratio is supply / demand. In this case, the supply is the number of program completions in the region associated with the occupation and the demand is the estimated number of regional job openings. A gap ratio of one indicates one completer per projected job opening. Gaps lower than one indicate more job openings than completers, and gaps greater than 1 indicate more completers than openings.



Supply Gap Analysis for Occupations Requiring more than a Bachelor's Degree

Region	
Central	\vee

The supply gap ratio is a proxy measure the provides insight on how closely supply aligns with demand for selected occupations. The calculation of the ratio is supply / demand. In this case, the supply is the number of program completions in the region associated with the occupation and the demand is the estimated number of regional job openings. A gap ratio of one indicates one completer per projected job opening. Gaps lower than one indicate more job openings than completers, and gaps greater than 1 indicate more completers than openings.



Region

Central

Demand Occupations Requiring a Certificate or License

Occupation	Average Annual Job Openings	Skills	Hourly Entry Wage	Hourly Experienced Wage
Phlebotomists	30	Active Listening, Service Orientation, Social Preceptiveness	13.31	18.97
Hairdressers/Hairstylists/Cosmetologists	116	Active Listening, Speaking, Service Orientation	10.74	25.75
Emergency Medical Techs & Paramedics	46	Critcal Thinking, Active Listening, Coordination	11.75	16.95
Automotive Service Techs/Mechanics	124	Equipment Maintenance, Repairing, Troubleshooting	12.08	23.41
Fitness Trainers & Aerobics Instructors	123	Instructing, Service Orientation, Social Perceptiveness	12.04	18.48
Bus/Truck/Diesel Engine Mechanics	37	Repairing, Troubleshooting, Operation & Control	13.18	28.03
Licensed Practical & Vocational Nurses	78	Service Orientation, Active Listening, Coordination	18.37	23.87
Nursing Assistants	370	Service Orientation, Active Listening, Social Perceptiveness	11.19	14.61
Medical Secretaries	101	Speaking, Active Listening, Service Orientation	13.07	18.33
Preschool Teachers, Ex. Special Education	85	Speaking, Learning Strategies, Instructing	10.55	16.14

Demand Occupations Requiring an Associate's Degree

Occupation	Average Annual Job Openings	Skills	Hourly Entry Wage	Hourly Experienced Wage
Engineering Techs, Ex. Drafters, All Other	47	Active Listening, Critical Thinking, Reading Comprehension	16.57	32.86
Physical Therapist Assistants	23	Active Listening, Monitoring, Social Perceptiveness	19.41	29.17
Registered Nurses	467	Active Listening, Social Perceptiveness, Service Orientation	25.68	37.88
Computer User Support Specialists	59	Active Listening, Speaking, Reading Comprehension	11.46	28.87
Radiologic Technologists	21	Active Listening, Speaking, Reading Comprehension	20.14	30.74
Computer Network Support Specialists	23	Critical Thinking, Active Listening, Judgement/Decision Making	19.1	31.05
Computer Occupations, All Other	34	Critical Thinking, Reading Comprehension, Active Listening	25.94	43.11
Medical Records/Health Information Techs	25	Reading Comprehension, Active Listening, Critical Thinking	13.49	29.76
Paralegals & Legal Assistants	42	Reading Comprehension, Active Listening, Speaking	19.94	34.98
Dental Hygienists	20	Speaking, Active Listening, Critical Thinking	23	35.41

Region

Central

Demand Occupations Requiring a Bachelor's Degree

Occupation	Average Annual Job Openings	Skills •	Hourly Entry Wage	Hourly Experienced Wage
Business Operations Specialists, All Other	372	Active Listening, Critical Thinking, Reading Comprehension	27.18	48.27
Accountants & Auditors	212	Active Listening, Mathematics, Reading Comprehension	21.33	38.47
Insurance Sales Agents	156	Active Listening, Reading Comprehension, Speaking	14.61	43.04
Registered Nurses	467	Active Listening, Social Perceptiveness, Service Orientation	25.68	37.88
Social Workers, All Other	115	Active Listening, Social Perceptiveness, Speaking	18.69	40.05
Child, Family & School Social Workers	124	Active Listening, Speaking, Reading Comprehension	15.94	32.3
Secondary Teachers, Ex. Spec/Voc. Ed.	110	Instructing, Learning Strategies, Speaking	NA	NA
Elem. School Teachers, Ex. Special Ed.	173	Instructing, Speaking, Learning Strategies	NA	NA
Market Research Analysts & Specialists	107	Reading Comprehension, Active Listening, Complex Problem Solving	18.25	32.6
Substitute Teachers	105	Speaking, Instructing, Learning Strategies	NA	NA

Demand Occupations Requiring Education Beyond a Bachelor's Degree

Occupation	Average Annual Job Openings	Skills	Hourly Entry Wa	ge Hourly Experienced Wage
Marketing Managers	52	Active Learning, Active Listening, Critical Thinking	28.5	62.12
General & Operations Managers	382	Active Listening, Coordination, Monitoring	22.14	55.26
Financial Managers	120	Active Listening, Critical Thinking, Monitoring	27.44	63.19
Management Analysts	110	Active Listening, Critical Thinking, Reading Comprehension	25.7	53.23
Rehabilitation Counselors	54	Active Listening, Social Perceptiveness, Monitoring	12.04	24.05
Lawyers	71	Active Listening, Speaking, Reading Comprehension	29.54	60.19
Sales Managers	70	Persuasion, Active Listening, Speaking	22.94	69.55
Administrative Services Managers	54	Speaking, Active Listening, Coordination	23.68	47.31
Clergy	90	Speaking, Active Listening, Service Orientation	9.74	27.19
Medical & Health Services Managers	60	Speaking, Critical Thinking, Active Listening	31.55	60.87

			1		
Sector	Agribusiness_AgTech				
Region	Central				
rtogion	- Contract				
* Data sou	rced from Burning Glass 2021 Estimates				
	g				
				2021	
SOC	Description	2021 Hires	2021	Turnover	2021 Jobs
			Separations	Rate	
45-2000	Agricultural Workers	1,619	1,631	93%	1,758
53-7000	Material Moving Workers	8,655	8,715	82%	10,620
39-2000	Animal Care and Service Workers	397	392	75%	522
51-6000	Textile, Apparel, and Furnishings Workers	292	329	67%	489
43-4000	Information and Record Clerks	4,961	5,540	66%	8,457
53-3000	Motor Vehicle Operators	4,667	4,827	65%	7,448
43-9000	Other Office and Administrative Support Workers	4,295	4,826	59%	8,235
51-3000	Food Processing Workers	1,347	1,360	55%	2,451
51-9000	Other Production Occupations	2,901	3,256	55%	5,908
43-3000	Financial Clerks	2,459	2,844	54%	5,300
31-9000	Other Healthcare Support Occupations	1,397	1,397	52%	2,662
49-9000	Other Installation, Maintenance, and Repair Occupations	2,467	2,617	47%	5,603
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	1,423	1,549	46%	3,395
11-1000	Top Executives	2,031	2,084	42%	5,007
41-4000	Sales Representatives, Wholesale and Manufacturing	704	759	39%	1,936
13-1000	Business Operations Specialists	4,157	4,065	37%	10,868
29-2000	Health Technologists and Technicians	2,436	2,458	36%	6,921
51-1000	Supervisors of Production Workers	404	425	32%	1,307
11-9000	Other Management Occupations	2,234	2,255	32%	7,056
11-3000	Operations Specialties Managers	1,043	1,018	30%	3,415
29-1000	Healthcare Diagnosing or Treating Practitioners	2,516	2,475	21%	11,777
Totals		52,405	54,823	49%	111,135

					-
Sector	Energy				
Region	Central				
* Data sou	rced from Burning Glass 2021 estimates				
soc	Description	2021 Hires	2021 Separations	2021 Turnover Rate	2021 Jobs
47-3000	Helpers, Construction Trades	116	70	98%	71
41-2000	Retail Sales Workers	11,311	11,856	94%	12,567
53-7000	Material Moving Workers	8,655	8,715	82%	10,620
47-2000	Construction Trades Workers	6,113	6,043	82%	7,387
47-1000	Supervisors of Construction and Extraction Workers	677	641	82%	786
47-5000	Extraction Workers	213	192	78%	247
43-4000	Information and Record Clerks	4,961	5,540	66%	8,457
53-3000	Motor Vehicle Operators	4,667	4,827	65%	7,448
43-9000	Other Office and Administrative Support Workers	4,295	4,826	59%	8,235
51-9000	Other Production Occupations	2,901	3,256	55%	5,908
43-3000	Financial Clerks	2,459	2,844	54%	5,300
51-2000	Assemblers and Fabricators	1,326	1,535	53%	2,893
43-6000	Secretaries and Administrative Assistants	2,880	3,326	53%	6,335
41-1000	Supervisors of Sales Workers	1,021	1,012	49%	2,055
19-4000	Life, Physical, and Social Science Technicians	278	282	49%	574
41-3000	Sales Representatives, Services	1,274	1,267	49%	2,596
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	332	352	47%	753
49-9000	Other Installation, Maintenance, and Repair Occupations	2,467	2,617	47%	5,603
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	1,423	1,549	46%	3,395
11-1000	Top Executives	2,031	2,084	42%	5,007
51-4000	Metal Workers and Plastic Workers	1,065	1,122	40%	2,793
51-8000	Plant and System Operators	232	272	39%	688
41-4000	Sales Representatives, Wholesale and Manufacturing	704	759	39%	1,936
13-1000	Business Operations Specialists	4,157	4,065	37%	10,868
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	418	435	35%	1,230
11-9000	Other Management Occupations	2.234	2,255	32%	7,056
13-2000	Financial Specialists	1.628	1,534	32%	4.847
11-3000	Operations Specialties Managers	1.043	1.018	30%	3,415
15-1200	Computer Occupations	1,584	1,425	29%	4,902
17-2000	Engineers	600	534	24%	2,263
Totals		73,065	76,253	56%	136,235

	les un				
Sector	Healthcare				
_					
Region	Central				
*Data sour	ced from 2021 Burning Glass estimates				
soc	Description		2021 Separations	2021 Turnover Rate	2021 Jobs
35-3000	Food and Beverage Serving Workers	15,811	18,224	164%	11,112
35-2000	Cooks and Food Preparation Workers	4,797	5,241	117%	4,463
41-2000	Retail Sales Workers	11,311	11,856	94%	12,567
31-1100	Home Health and Personal Care Aides; and Nursing Assistants, Orderlies, and Psychiatric Aides	4,882	4,912	79%	6,229
37-2000	Building Cleaning and Pest Control Workers	4,233	4,341	76%	5,676
31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	224	226	66%	343
43-4000	Information and Record Clerks	4,961	5,540	66%	8,457
43-9000	Other Office and Administrative Support Workers	4,295	4,826	59%	8,235
43-3000	Financial Clerks	2,459	2,844	54%	5,300
43-6000	Secretaries and Administrative Assistants	2,880	3,326	53%	6,335
31-9000	Other Healthcare Support Occupations	1,397	1,397	52%	2,662
43-1000	Supervisors of Office and Administrative Support Workers	941	1,024	46%	2,222
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	2,170	2,171	41%	5,274
13-1000	Business Operations Specialists	4,157	4,065	37%	10,868
29-2000	Health Technologists and Technicians	2,436	2,458	36%	6,921
11-9000	Other Management Occupations	2,234	2,255	32%	7,056
15-1200	Computer Occupations	1,584	1,425	29%	4,902
29-1000	Healthcare Diagnosing or Treating Practitioners	2,516	2,475	21%	11,777
Total		73,288	78,606	65%	120,400

Sector	Hospitality				
Region	Central				
*Data cour	rced from 2021 Burning Glass estimates				
Data Soul	Ced Holli 2021 Bullling Glass estilliates				
				2021 Turnover	
SOC	Description	2021 Hires	2021 Separations	Rate	2021 Jobs
35-3000	Food and Beverage Serving Workers	15,811	18,224	164%	11,112
39-3000	Entertainment Attendants and Related Workers	623	714	163%	440
35-9000	Other Food Preparation and Serving Related Workers	1,932	2,169	159%	1,361
35-2000	Cooks and Food Preparation Workers	4,797	5,241	117%	4,463
35-1000	Supervisors of Food Preparation and Serving Workers	1,679	1,881	113%	1,663
39-6000	Baggage Porters, Bellhops, and Concierges	52	46	96%	48
27-2000	Entertainers and Performers, Sports and Related Workers	843	995	96%	1,040
41-2000	Retail Sales Workers	11,311	11,856	94%	12,567
33-9000	Other Protective Service Workers	1,256	1,319	86%	1,536
37-2000	Building Cleaning and Pest Control Workers	4,233	4,341	76%	5,676
37-3000	Grounds Maintenance Workers	1,516	1,530	72%	2,118
39-7000	Tour and Travel Guides	24	23	71%	33
51-6000	Textile, Apparel, and Furnishings Workers	292	329	67%	489
39-9000	Other Personal Care and Service Workers	1,755	1,939	67%	2,892
43-4000	Information and Record Clerks	4,961	5,540	66%	8,457
39-1000	Supervisors of Personal Care and Service Workers	136	136	60%	229
43-9000	Other Office and Administrative Support Workers	4,295	4,826	59%	8,235
43-3000	Financial Clerks	2,459	2,844	54%	5,300
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	260	256	53%	484
41-3000	Sales Representatives, Services	1,274	1,267	49%	2,596
49-9000	Other Installation, Maintenance, and Repair Occupations	2,467	2,617	47%	5,603
43-1000	Supervisors of Office and Administrative Support Workers	941	1,024	46%	2,222
11-1000	Top Executives	2,031	2,084	42%	5,007
13-1000	Business Operations Specialists	4,157	4,065	37%	10,868
11-9000	Other Management Occupations	2,234	2,255	32%	7,056
Totals		71,339	77,522	76%	101,494

Sector	InfoTech				
Region	Central				
rtog.o					
*Data sou	rced from 2021 Burning Glass estimates				
soc	Description	2021 Hires	2021 Separations	2021 Turnover Rate	2021 Jobs
53-7000	Material Moving Workers	8,655	8,715	82%	10,620
47-2000	Construction Trades Workers	6,113	6,043	82%	7,387
43-4000	Information and Record Clerks	4,961	5,540	66%	8,457
43-9000	Other Office and Administrative Support Workers	4,295	4,826	59%	8,235
51-9000	Other Production Occupations	2,901	3,256	55%	5,908
43-3000	Financial Clerks	2,459	2,844	54%	5,300
51-2000	Assemblers and Fabricators	1,326	1,535	53%	2,893
43-6000	Secretaries and Administrative Assistants	2,880	3,326	53%	6,335
41-3000	Sales Representatives, Services	1,274	1,267	49%	2,596
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	332	352	47%	753
49-9000	Other Installation, Maintenance, and Repair Occupations	2,467	2,617	47%	5,603
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	1,423	1,549	46%	3,395
11-1000	Top Executives	2,031	2,084	42%	5,007
51-4000	Metal Workers and Plastic Workers	1,065	1,122	40%	2,793
41-4000	Sales Representatives, Wholesale and Manufacturing	704	759	39%	1,936
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	301	319	39%	820
13-1000	Business Operations Specialists	4,157	4,065	37%	10,868
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	418	435	35%	1,230
19-1000	Life Scientists	150	134	33%	409
11-9000	Other Management Occupations	2,234	2,255	32%	7,056
13-2000	Financial Specialists	1,628	1,534	32%	4,847
11-3000	Operations Specialties Managers	1,043	1,018	30%	3,415
15-1200	Computer Occupations	1,584	1,425	29%	4,902
17-2000	Engineers	600	534	24%	2,263
Totals		55,002	57,554	51%	113,027

Sector	Life_Sciences				
Region	Central				
*Data cour	ced from 2021 Burning Glass estimates				
Data Soul	Ced from 2021 Burning Glass estimates				
soc	Description	2021 Hires	2021 Separations	2021 Turnover Rate	2021 Jobs
35-3000	Food and Beverage Serving Workers	15,811	18,224	164%	11,112
35-2000	Cooks and Food Preparation Workers	4,797	5,241	117%	4,463
41-2000	Retail Sales Workers	11,311	11,856	94%	12,567
31-1100	Home Health and Personal Care Aides; and Nursing Assistants, Orderlies, and Psychiatric Aides	4,882	4,912	79%	6,229
37-2000	Building Cleaning and Pest Control Workers	4,233	4,341	76%	5,676
39-9000	Other Personal Care and Service Workers	1,755	1,939	67%	2,892
43-4000	Information and Record Clerks	4,961	5,540	66%	8,457
43-9000	Other Office and Administrative Support Workers	4,295	4,826	59%	8,235
51-9000	Other Production Occupations	2,901	3,256	55%	5,908
43-3000	Financial Clerks	2,459	2,844	54%	5,300
43-6000	Secretaries and Administrative Assistants	2,880	3,326	53%	6,335
31-9000	Other Healthcare Support Occupations	1,397	1,397	52%	2,662
49-9000	Other Installation, Maintenance, and Repair Occupations	2,467	2,617	47%	5,603
11-1000	Top Executives	2,031	2,084	42%	5,007
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	2,170	2,171	41%	5,274
13-1000	Business Operations Specialists	4,157	4,065	37%	10,868
29-2000	Health Technologists and Technicians	2,436	2,458	36%	6,921
19-1000	Life Scientists	150	134	33%	409
11-9000	Other Management Occupations	2,234	2,255	32%	7,056
11-3000	Operations Specialties Managers	1,043	1,018	30%	3,415
15-1200	Computer Occupations	1,584	1,425	29%	4,902
17-2000	Engineers	600	534	24%	2,263
29-1000	Healthcare Diagnosing or Treating Practitioners	2,516	2,475	21%	11,777
Totals		83,071	88,938	62%	143,331

	Manufacturia a				
Sector	Manufacturing				
Region	Central				
	16 2004 B 1 20 11 1				
*Data sou	rced from 2021 Burning Glass estimates				
soc	Description	2021 Hires	2021 Separations	2021 Turnover Rate	2021 Jobs
53-7000	Material Moving Workers	8,655	8,715	82%	10,620
47-2000	Construction Trades Workers	6,113	6,043	82%	7,387
51-7000	Woodworkers	153	129	72%	179
43-4000	Information and Record Clerks	4,961	5,540	66%	8,457
53-3000	Motor Vehicle Operators	4,667	4,827	65%	7,448
43-9000	Other Office and Administrative Support Workers	4,295	4,826	59%	8,235
51-9000	Other Production Occupations	2,901	3,256	55%	5,908
43-3000	Financial Clerks	2,459	2,844	54%	5,300
51-2000	Assemblers and Fabricators	1,326	1,535	53%	2,893
49-9000	Other Installation, Maintenance, and Repair Occupations	2,467	2,617	47%	5,603
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	1,423	1,549	46%	3,395
11-1000	Top Executives	2,031	2,084	42%	5,007
51-4000	Metal Workers and Plastic Workers	1,065	1,122	40%	2,793
41-4000	Sales Representatives, Wholesale and Manufacturing	704	759	39%	1,936
51-5100	Printing Workers	206	218	38%	575
13-1000	Business Operations Specialists	4,157	4,065	37%	10,868
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	418	435	35%	1,230
51-1000	Supervisors of Production Workers	404	425	32%	1,307
11-9000	Other Management Occupations	2,234	2,255	32%	7,056
11-3000	Operations Specialties Managers	1,043	1,018	30%	3,415
15-1200	Computer Occupations	1,584	1,425	29%	4,902
17-2000	Engineers	600	534	24%	2,263
Totals		53,865	56,221	53%	106,776

Sector	Transportation Logistics				
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Region	Central				
*Data sou	rced from 2021 Burning Glass estimates				
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soc	Description	2021 Hires	2021 Separations	2021 Turnover Rate	2021 Jobs
41-2000	Retail Sales Workers	11.311	11.856	94%	12,567
53-7000	Material Moving Workers	8,655	8.715	82%	10,620
43-4000	Information and Record Clerks	4,961	5,540	66%	8,457
53-3000	Motor Vehicle Operators	4.667	4.827	65%	7,448
43-9000	Other Office and Administrative Support Workers	4,295	4.826	59%	8,235
51-9000	Other Production Occupations	2,901	3,256	55%	5,908
43-3000	Financial Clerks	2.459	2.844	54%	5,300
53-4000	Rail Transportation Workers	213	223	53%	420
43-6000	Secretaries and Administrative Assistants	2,880	3,326	53%	6,335
53-1000	Supervisors of Transportation and Material Moving Workers	289	286	52%	545
53-2000	Air Transportation Workers	42	42	51%	83
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	1,713	1.767	50%	3,512
41-1000	Supervisors of Sales Workers	1,021	1,012	49%	2,055
49-9000	Other Installation, Maintenance, and Repair Occupations	2,467	2.617	47%	5,603
43-1000	Supervisors of Office and Administrative Support Workers	941	1,024	46%	2,222
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	1,423	1,549	46%	3,395
11-1000	Top Executives	2,031	2,084	42%	5,007
41-4000	Sales Representatives, Wholesale and Manufacturing	704	759	39%	1,936
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	301	319	39%	820
13-1000	Business Operations Specialists	4,157	4,065	37%	10,868
11-3000	Operations Specialties Managers	1,043	1,018	30%	3,415
15-1200	Computer Occupations	1,584	1,425	29%	4,902
Totals		60,058	63,382	58%	109,653

•	Marshauer Tennandelin				
Sector	Warehouse_Transportation				
Region	Central				
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^Data sour	ced from 2021 Burning Glass estimates				
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soc	Description		2021 Separations	2021 Turnover Rate	2021 Jobs
53-2031	Flight Attendants	<10	<10	N/A	<10
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	108	144	95%	151
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	4,741	4,923	95%	5,178
53-7065	Stockers and Order Fillers	2,158	2,089	80%	2,624
53-7064	Packers and Packagers, Hand	423	326	73%	447
43-4051	Customer Service Representatives	2,618	2,874	70%	4,103
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	709	778	69%	1,123
53-3033	Light Truck Drivers	1,311	1,355	66%	2,045
43-5011	Cargo and Freight Agents	31	32	66%	49
53-3032	Heavy and Tractor-Trailer Truck Drivers	1,945	1,970	63%	3,106
43-9061	Office Clerks, General	3,751	4,187	60%	6,986
43-5032	Dispatchers, Except Police, Fire, and Ambulance	106	124	56%	222
53-7051	Industrial Truck and Tractor Operators	601	640	55%	1,158
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	283	280	53%	532
53-2011	Airline Pilots, Copilots, and Flight Engineers	12	14	49%	29
43-5071	Shipping, Receiving, and Inventory Clerks	389	439	48%	920
43-1011	First-Line Supervisors of Office and Administrative Support Workers	941	1,024	46%	2,222
43-5021	Couriers and Messengers	71	80	45%	177
53-3052	Bus Drivers, Transit and Intercity	208	204	45%	459
11-1021	General and Operations Managers	1,795	1,807	43%	4,162
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	229	234	43%	546
49-3011	Aircraft Mechanics and Service Technicians	86	95	37%	255
Totals		22,518	23,621	65%	36.495