

Spotlight Summary	
Industry Snapshot	
Staffing Pattern	
Drivers of Employment Growth	6
Employment Distribution by Type	7
Establishments	8
GDP & Productivity	g
Supply Chain: Top Suppliers	10
Sector Strategy Pathways	11
Postsecondary Programs Linked to Arts, Entertainment, and Recreation	12
DuPage County, Illinois Regional Map	13
Data Notes	14
FAQ	14

Spotlight Summary

Arts, Entertainment, and Recreation DuPage County, Illinois – 2022Q3

EMPLOYMENT



13,577

Regional employment / 3,062,325 in the nation

1.5%

Avg Ann % Change Last 10 Years / +1.1% in the U.S.

Region Nation

2.1%

% of Total Employment / **1.9%** in the U.S.

Region Nation

WAGES



\$30,323

Avg Wages per Worker / \$44,592 in the nation

3.9%

Avg Ann % Change Last 10 Years / +3.4% in the U.S.

Region Nation

TOP OCCUPATION GROUPS



TOP INDUSTRIES

Avg Ann % Change in Employment, Last 10 Years

Region
Nation

Fitness and Recreational Sports Centers

2.3 % n

All Other Amusement and Recreation Industries

1.9 % n

Golf Courses and Country Clubs

Industry Snapshot

EMPLOYMENT



WAGES



						Forecast
6 P. W. J.		Avg Ann			Annual	Ann
6-Digit Industry	Empl	Wages	LQ	5yr History	Demand	Growth
Fitness and Recreational Sports Centers	4,852	\$19,670	1.91		808	0.3%
All Other Amusement and Recreation Industries	2,587	\$25,626	2.22		419	0.0%
Golf Courses and Country Clubs	1,647	\$36,019	1.05		269	0.1%
Other Gambling Industries	1,069	\$72,307	4.95		143	-1.4%
Independent Artists, Writers, and Performers	902	\$25,475	0.61		95	0.1%
Bowling Centers	512	\$24,837	1.92		84	0.1%
Zoos and Botanical Gardens	368	\$47,103	2.07		53	1.1%
Other Spectator Sports	256	\$33,590	0.84		36	1.3%
Nature Parks and Other Similar Institutions	236	\$19,516	0.87	•	34	1.1%
Museums	221	\$56,400	0.56		32	1.1%
Remaining Component Industries	926	\$52,551	0.34		154	1.2%
Arts, Entertainment, and Recreation	13,577	\$30,323	1.12		2,055	0.3%



Employment is one of the broadest and most timely measures of a region's economy. Fluctuations in the number of jobs shed light on the health of an industry. A growing employment base creates more opportunities for regional residents and helps a region grow its population.



Since wages and salaries generally compose the majority of a household's income, the annual average wages of a region affect its average household income, housing market, quality of life, and other socioeconomic indicators.

Staffing Pattern



6-digit Occupation	Empl	Avg Ann Wages	Annual Demand
Exercise Trainers and Group Fitness Instructors	1,528	\$51,100	285
Amusement and Recreation Attendants	1,091	\$28,100	298
Landscaping and Groundskeeping Workers	846	\$33,500	111
General and Operations Managers	460	\$81,700	44
Waiters and Waitresses	447	\$26,900	91
Receptionists and Information Clerks	397	\$27,900	48
Coaches and Scouts	362	\$49,800	52
Maintenance and Repair Workers, General	346	\$42,100	35
Customer Service Representatives	329	\$28,600	44
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	316	\$32,300	46
Remaining Component Occupations	7,429	\$55,100	1,066
Total	13,550		

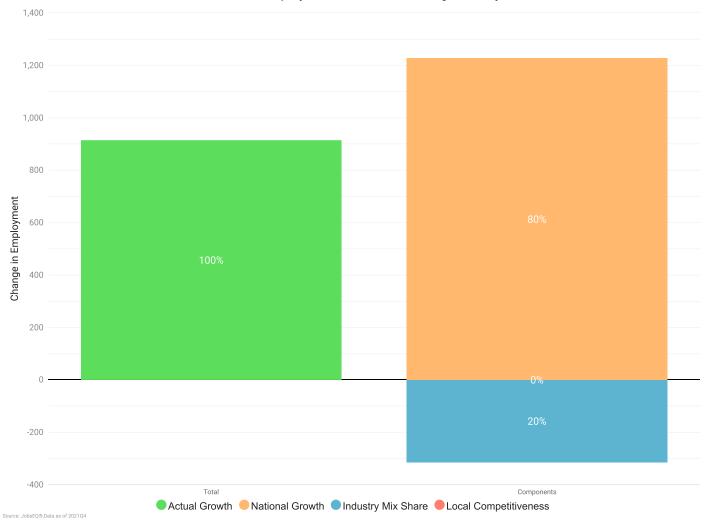


The mix of occupations points to the ability of a region to support an industry and its flexibility to adapt to future demand. Industry wages are a component of the cost of labor for regional employers.

Drivers of Employment Growth

Over the ten years ending 2021, employment in Arts, Entertainment, and Recreation for DuPage County, Illinois added 915 jobs. After adjusting for national growth during this period and industry mix share, the part of this employment change due to local competitiveness was a gain of 0 jobs—meaning this industry was more competitive than its national counterpart during this period.







Shift-share analysis sheds light on the factors that drive regional employment growth in an industry. A positive change in local competitiveness indicates advantages that may be due to factors such as superior technology, management, and labor pool, etc.



National growth is due to the overall growth or contraction in the national economy. Industry mix share is the growth attributable to the specific industries examined (based on national industry growth patterns and the industry mix of the region).

Employment Distribution by Type

The table below shows the employment mix by ownership type for Arts, Entertainment, and Recreation for DuPage County, Illinois. Four of these ownership types — federal, state, and local government and the private sector — together constitute "Covered Employment" (employment covered by the Unemployment Insurance programs of the United States and reported via the Quarterly Census of Employment and Wages).

"Self-Employment" refers to unincorporated self-employment and represents workers whose primary job is self-employment (that is, these data do not include workers whose primary job is a wage-and-salary position that is supplemented with self-employment).

63.1%	10.7	7%	26.1%
	Empl	%	
Private	8,570	63.1%	
Self-Employment	1,456	10.7%	
Local Government	3,550	26.1%	
Other Non-Covered	0	0.0%	

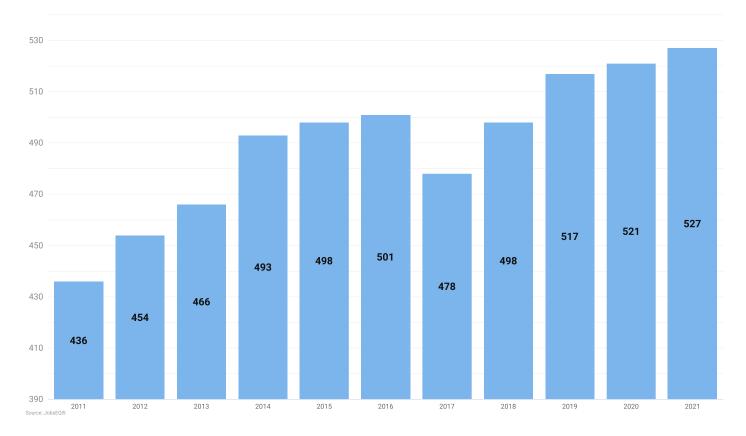
Source: JobsEQ®



Strong entrepreneurial activity is indicative of growing industries. Using self-employment as a proxy for entrepreneurs, a higher share of self-employed individuals within a regional industry points to future growth.

Establishments

In 2021, there were 527 Arts, Entertainment, and Recreation establishments in DuPage County, Illinois (per covered employment establishment counts), an increase from 436 establishments ten years earlier in 2011.



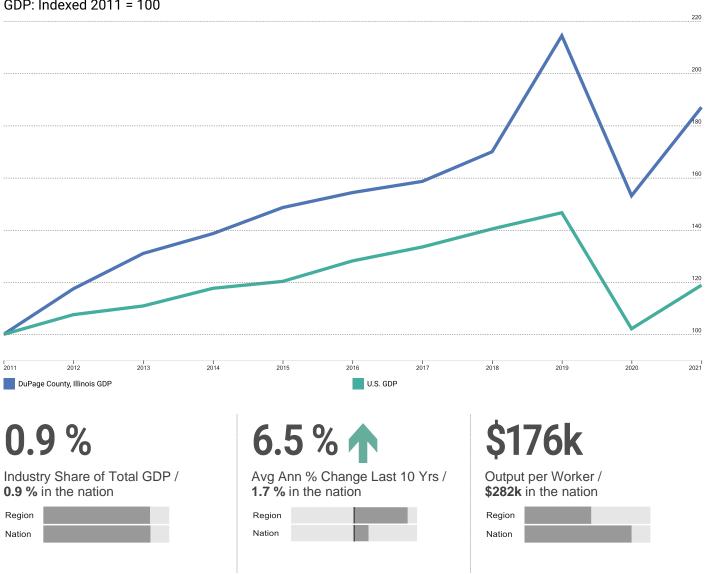


New business formations are an important source of job creation in a regional economy, spurring innovation and competition, and driving productivity growth. Establishment data can provide an indicator of growth in businesses by counting each single location (such as a factory or a store) where business activity takes place, and with at least one employee.

GDP & Productivity

In 2021, Arts, Entertainment, and Recreation produced \$0.9 billion in GDP for DuPage County, Illinois.

GDP: Indexed 2011 = 100





Gross domestic product (GDP) is the most comprehensive measure of regional economic activity, and an industry's contribution to GDP is an important indicator of regional industry strength. It is a measure of total valueadded to a regional economy in the form of labor income, proprietor's income, and business profits, among others. GDP values shown on this page are nominal GDP data.



Growth in productivity (output per worker) leads to increases in wealth and higher average standards of living in a region.

Supply Chain: Top Suppliers

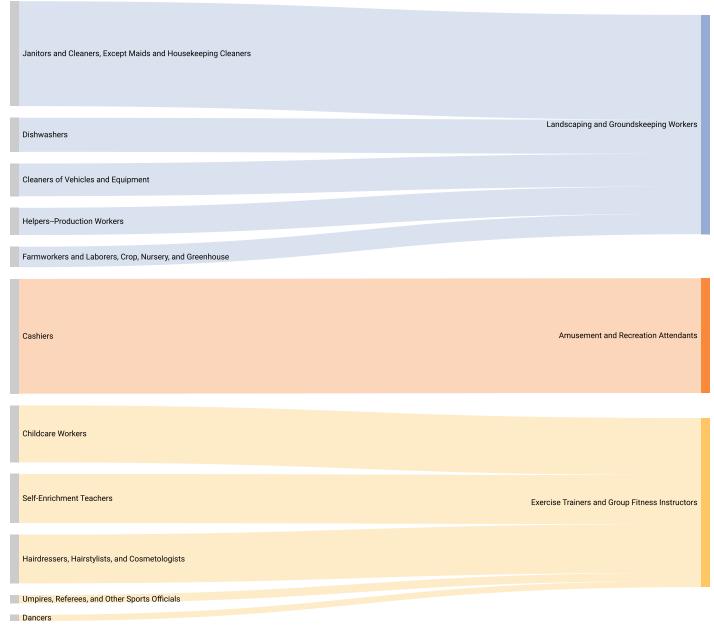
As of 2022Q3, Arts, Entertainment, and Recreation in DuPage County, Illinois are estimated to make \$850.6 million in annual purchases from suppliers in the United States with about 45% or \$384.8 million of these purchases being made from businesses located in DuPage County, Illinois.

6-digit Supplier Industries	Purchases from In- Region (\$M)	Purchases from Out-of-Region (\$M)
Residential Property Managers	\$14.9	\$37.1
Offices of Real Estate Agents and Brokers	\$22.1	\$22.2
Offices of Lawyers	\$10.8	\$17.2
Promoters of Performing Arts, Sports, and Similar Events with Facilities	\$8.9	\$15.3
Corporate, Subsidiary, and Regional Managing Offices	\$22.2	\$0.5
Remaining Supplier Industries	\$305.8	\$373.6
Total	\$384.8	\$465.8



Supplier-buyer networks can indicate local linkages between industries, regional capacity to support growth in an industry, and potential leakage of sales out of the region.

Sector Strategy Pathways





The graphics on this page illustrate relationships and potential movement (from left to right) between occupations that share similar skill sets. Developing career pathways as a strategy promotes industry employment growth and workforce engagement.

Postsecondary Programs Linked to Arts, Entertainment, and Recreation

Program	Awards
Benedictine University	
Exercise Science and Kinesiology	8
DeVry University-Illinois	
Web Page, Digital/Multimedia and Information Resources Design	136
Elmhurst University	
Exercise Science and Kinesiology	19
G Skin & Beauty Institute	
Aesthetician/Esthetician and Skin Care Specialist	198
Illinois Media School	
Radio and Television	72
North Central College	
Drama and Dramatics/Theatre Arts, General	18
Exercise Science and Kinesiology	30
Musical Theatre	17
Sport and Fitness Administration/Management	25
Wheaton College	
History, General	20

Source: JobsEQ®



The number of graduates from postsecondary programs in the region identifies the pipeline of future workers as well as the training capacity to support industry demand.



Among postsecondary programs at schools located in DuPage County, Illinois, the sampling above identifies those most linked to occupations relevant to Arts, Entertainment, and Recreation. For a complete list see JobsEQ®, http://www.chmuraecon.com/jobseq



Data Notes

- Industry employment and wages (including total regional employment and wages) are as of 2022Q3 and are based upon BLS QCEW data, imputed by Chmura where necessary, and supplemented by additional sources including Census ZBP data. Employment forecasts are modeled by Chmura and are consistent with BLS national-level 10-year forecasts.
- Occupation employment is as of 2022Q3 and is based on industry employment and local staffing patterns
 calculated by Chmura and utilizing BLS OEWS data. Wages by occupation are as of 2022, utilizing BLS OEWS
 data and imputed by Chmura.
- GDP is derived from BEA data and imputations by Chmura. Productivity (output per worker) is calculated by Chmura using industry employment and wages as well as GDP and BLS output data. Supply chain modeling including purchases by industry are developed by Chmura.
- Postsecondary awards are per the NCES and are for the 2020-2021 academic year.
- Establishment counts are per the BLS QCEW data.
- Figures may not sum due to rounding.

FAQ

What is (LQ) location quotient?

Location quotient is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an industry (or occupation) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

What is annual demand?

Annual demand is a of the sum of the annual projected growth demand and separation demand. Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. Growth demand is the increase or decrease of jobs expected due to expansion or contraction of the overall number of jobs.

What is the difference between industry wages and occupation wages?

Industry wages and occupation wages are estimated via separate data sets, often the time periods being reported do not align, and wages are defined slightly differently in the two systems (for example, certain bonuses are included in the industry wages but not the occupation wages). It is therefore common that estimates of the average industry wages and average occupation wages in a region do not match exactly.