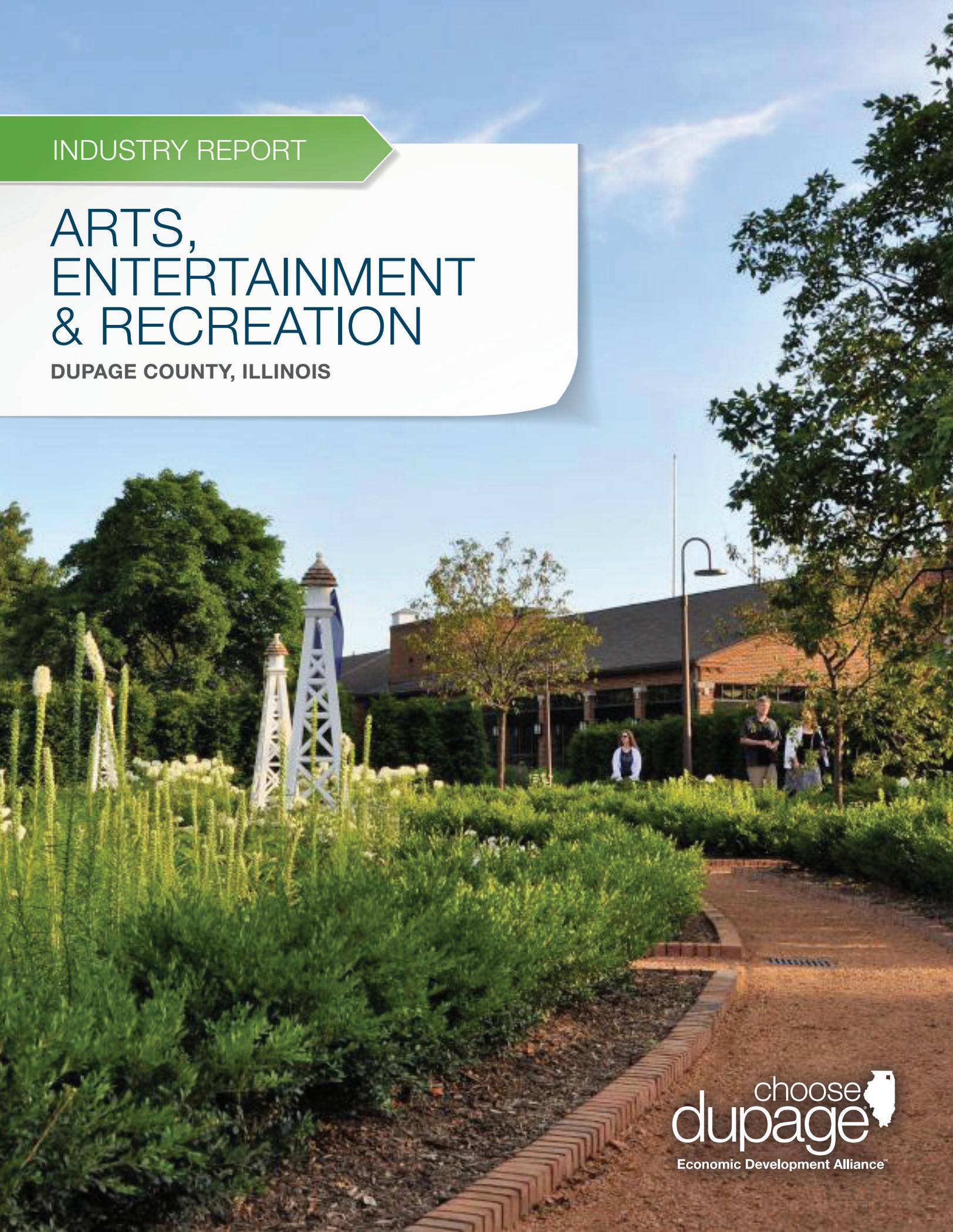


INDUSTRY REPORT

# ARTS, ENTERTAINMENT & RECREATION

DUPAGE COUNTY, ILLINOIS



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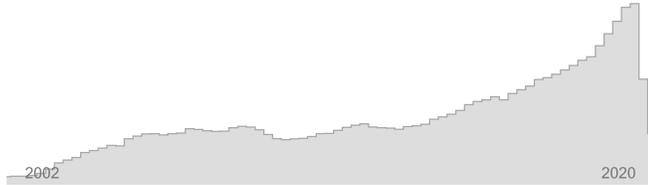
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# Spotlight Summary

Arts, Entertainment, and Recreation  
DuPage County, Illinois – 2020Q3

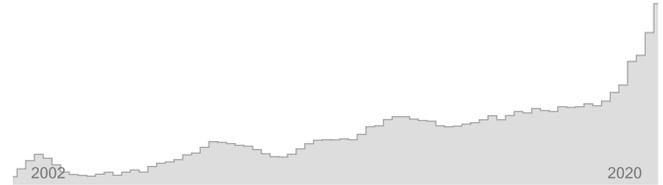
## EMPLOYMENT



**11,443**

Regional employment / 2,624,451 in the nation

## WAGES



**\$27,807**

Avg Wages per Worker / \$40,921 in the nation

**0.1%** ↑

Avg Ann % Change Last 10 Years / -0.2% in the U.S.



**1.9%**

% of Total Employment / 1.7% in the U.S.

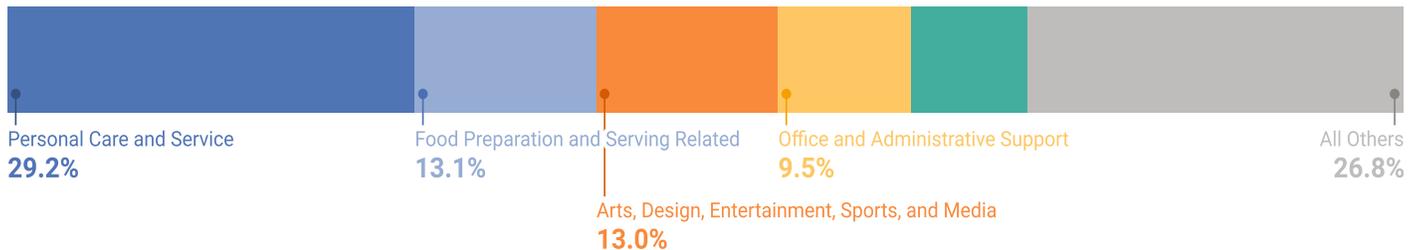


**3.5%** ↑

Avg Ann % Change Last 10 Years / +2.8% in the U.S.



## TOP OCCUPATION GROUPS



## TOP INDUSTRIES

Avg Ann % Change in Employment, Last 10 Years

**-1.5%** ↓



Fitness and Recreational Sports Centers

**0.2%** ↑



All Other Amusement and Recreation Industries

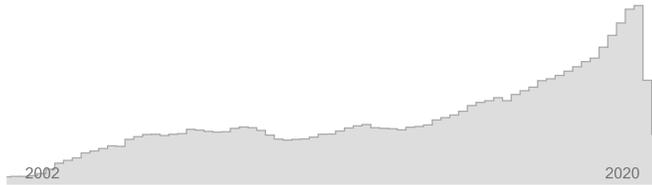
**0.5%** ↑



Golf Courses and Country Clubs

# Industry Snapshot

## EMPLOYMENT



## WAGES

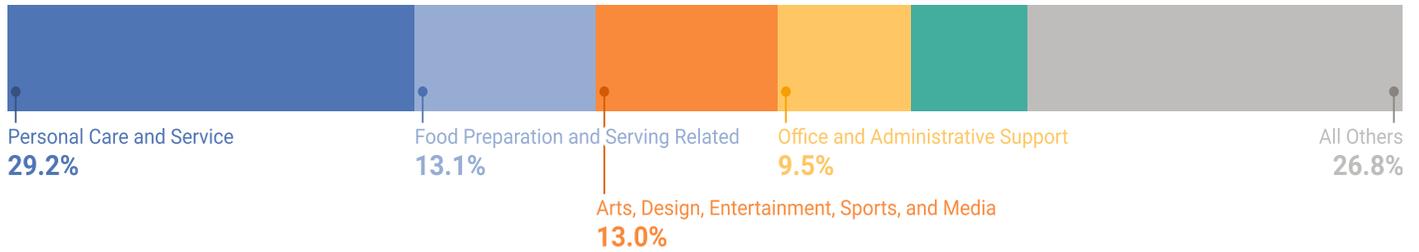


6-Digit Industry	Empl	Avg Ann Wages	LQ	5yr History	Annual Demand	Forecast Ann Growth
Fitness and Recreational Sports Centers	4,112	\$18,535	1.75		675	1.0%
All Other Amusement and Recreation Industries	2,180	\$21,955	2.16		344	0.7%
Golf Courses and Country Clubs	1,446	\$33,215	1.06		230	0.7%
Independent Artists, Writers, and Performers	802	\$24,292	0.66		69	-0.4%
Other Gambling Industries	718	\$79,658	4.00		92	-1.6%
Zoos and Botanical Gardens	363	\$40,155	2.24		50	1.2%
Bowling Centers	345	\$22,051	1.58		55	0.7%
Nature Parks and Other Similar Institutions	276	\$19,942	1.05		38	1.2%
Museums	241	\$46,177	0.60		33	1.2%
Other Spectator Sports	214	\$29,394	0.82		31	0.9%
Remaining Component Industries	745	\$30,596	0.30		96	-0.2%
<b>Arts, Entertainment, and Recreation</b>	<b>11,443</b>	<b>\$27,807</b>	<b>1.08</b>		<b>1,674</b>	<b>0.6%</b>

 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



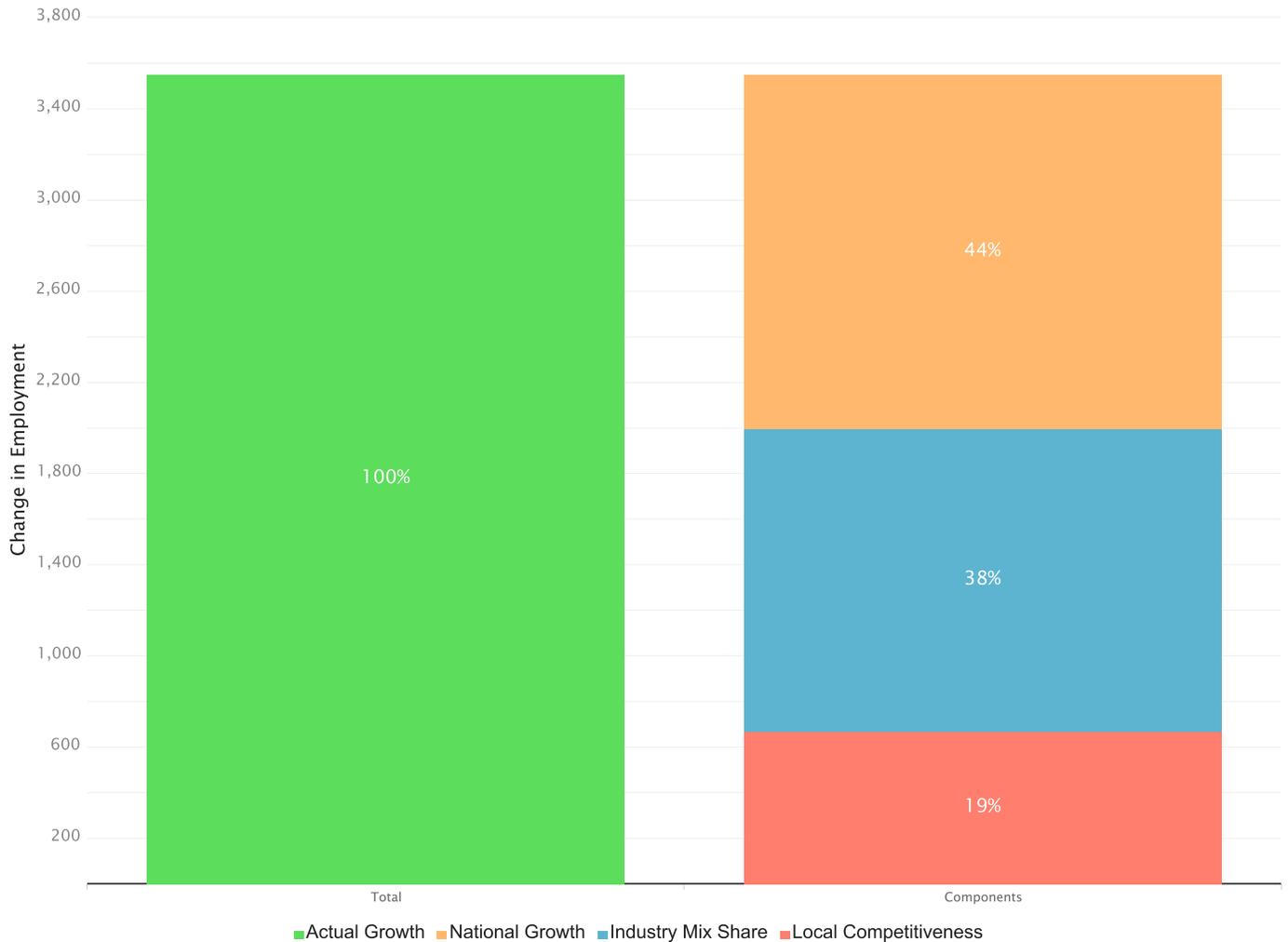
6-digit Occupation	Empl	Avg Ann Wages	Annual Demand
Exercise Trainers and Group Fitness Instructors	1,282	\$50,600	235
Amusement and Recreation Attendants	723	\$24,600	178
Landscaping and Groundskeeping Workers	536	\$31,700	76
Waiters and Waitresses	433	\$23,100	87
Coaches and Scouts	354	\$44,000	56
Receptionists and Information Clerks	340	\$26,500	46
Recreation Workers	330	\$26,900	60
General and Operations Managers	315	\$89,800	31
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	279	\$25,800	73
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	276	\$31,300	39
Remaining Component Occupations	6,551	\$53,600	888
<b>Total</b>	<b>11,443</b>		

 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 2019, employment in Arts, Entertainment, and Recreation for DuPage County, Illinois added 3,547 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 664 jobs—meaning this industry was more competitive than its national counterpart during this period.

Drivers of Employment Growth for DuPage County, Illinois



Source: JobsEQ®, Data as of 2019Q4

- 

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).



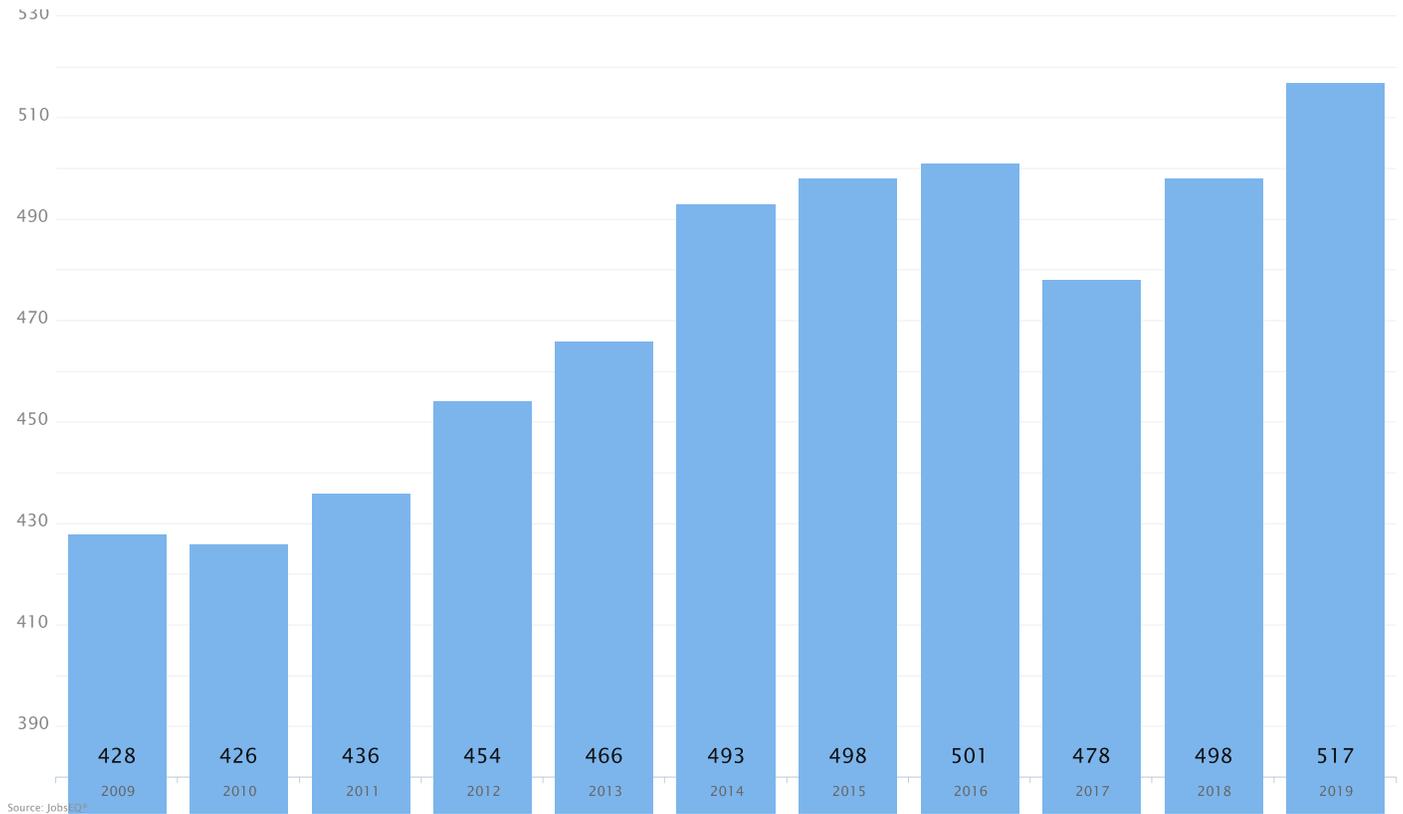
	<b>Empl</b>	<b>%</b>
 Private	7,083	61.9%
 Self-Employment	1,247	10.9%
 Local Government	3,113	27.2%

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 2019, there were 517 Arts, Entertainment, and Recreation establishments in DuPage County, Illinois (per covered employment establishment counts), an increase from 428 establishments ten years earlier in 2009.

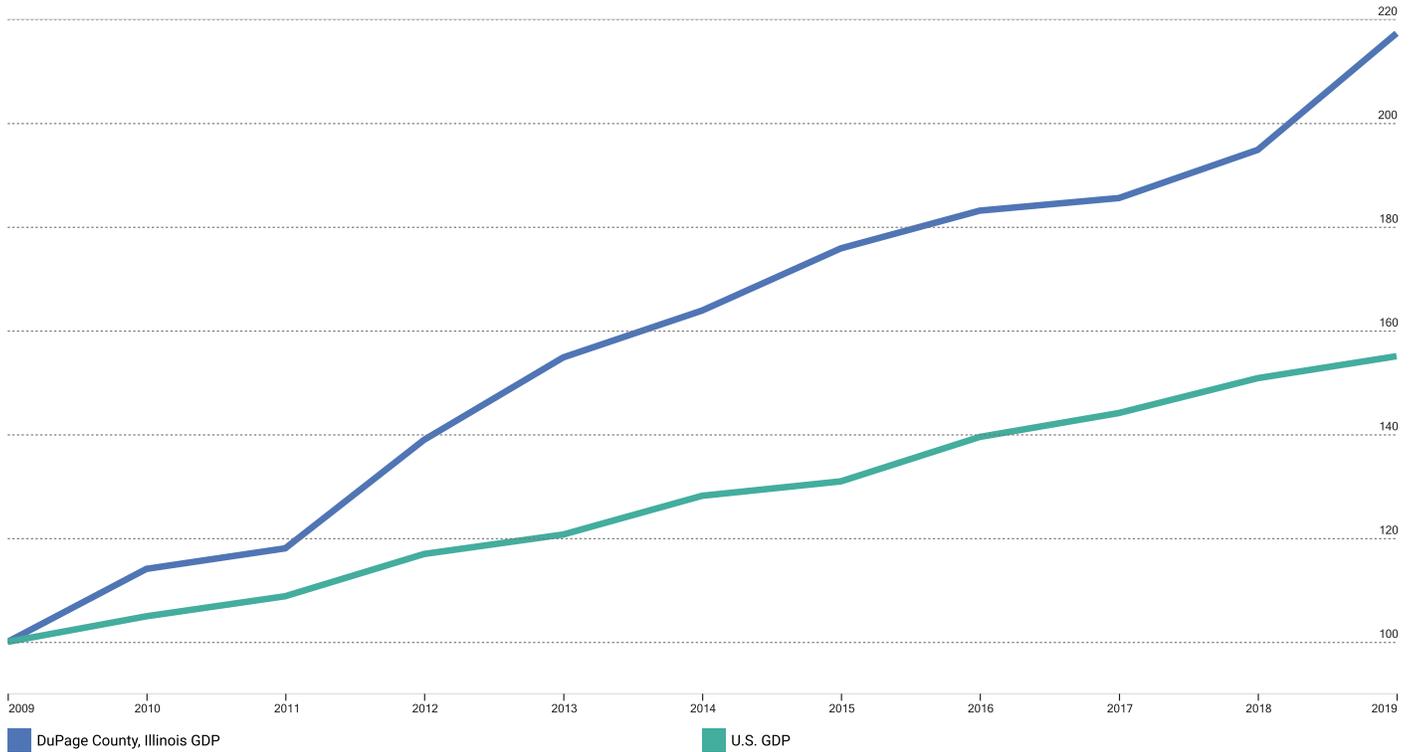


 New business formations are an important source of job creation in a regional economy, spurring innovation and competition, and driving productivity growth. Establishment data can provide an indicator of growth in businesses by counting each single location (such as a factory or a store) where business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

# GDP & Productivity

In 2019, Arts, Entertainment, and Recreation produced \$0.9 billion in GDP for DuPage County, Illinois.

GDP: Indexed 2009 = 100



**0.9 %**  
 Industry Share of Total GDP /  
**1.2 %** in the nation

Region

Nation

**8.1 %** ↑  
 Avg Ann % Change Last 10 Yrs /  
**4.5 %** in the nation

Region

Nation

**\$137k**  
 Output per Worker /  
**\$216k** in the nation

Region

Nation

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 value-added to a regional economy in the form of labor income, proprietor's income, and business profits, among others.

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

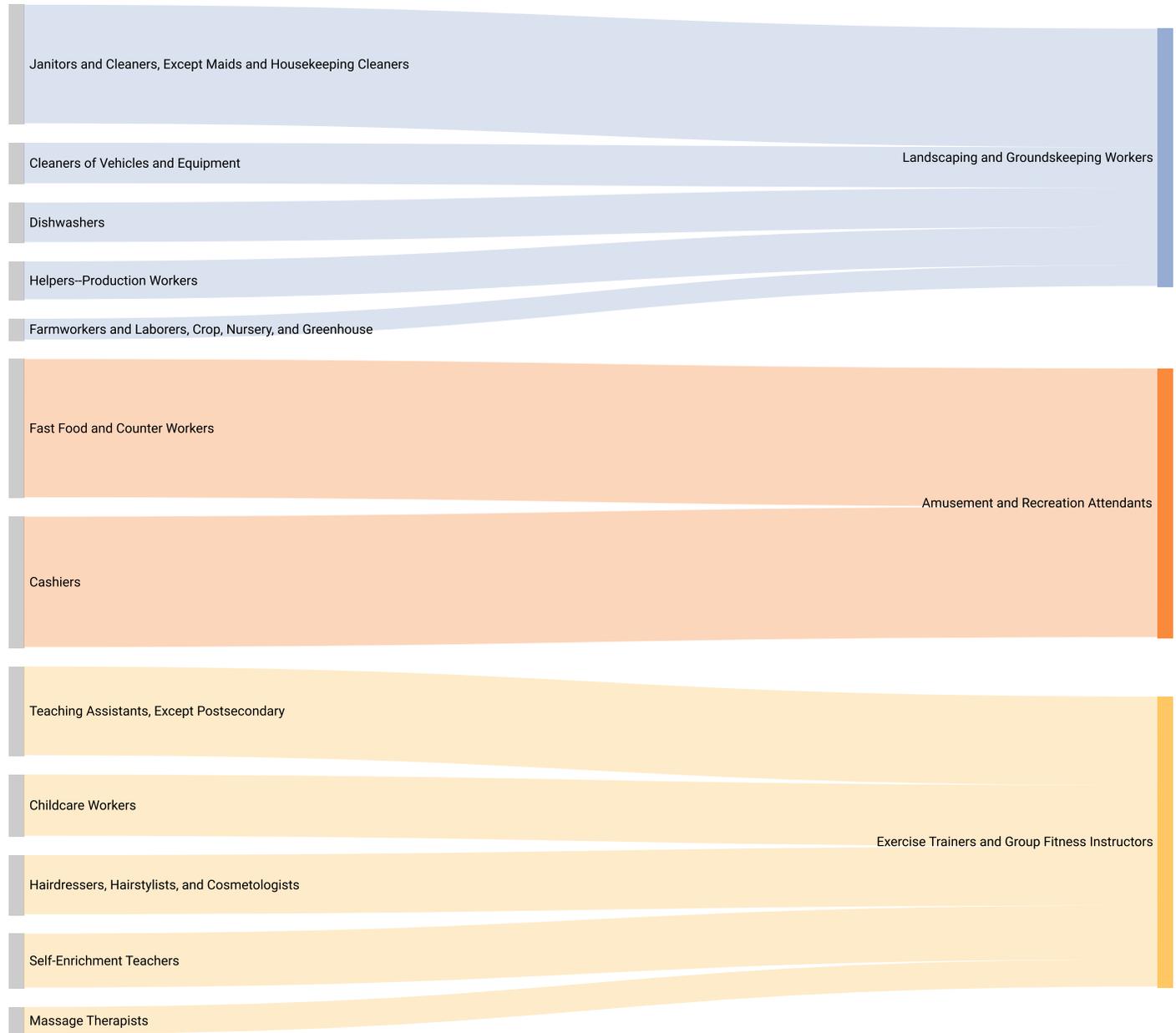
# Supply Chain: Top Suppliers

As of 2020Q3, Arts, Entertainment, and Recreation in DuPage County, Illinois are estimated to make \$721.5 million in annual purchases from suppliers in the United States with about 46% or \$335.0 million of these purchases being made from businesses located in DuPage County, Illinois.

<b>6-digit Supplier Industries</b>	<b>Purchases from In-Region (\$M)</b>	<b>Purchases from Out-of-Region (\$M)</b>
Residential Property Managers	\$14.9	\$31.2
Offices of Real Estate Agents and Brokers	\$21.4	\$16.7
Offices of Lawyers	\$10.7	\$24.5
Promoters of Performing Arts, Sports, and Similar Events with Facilities	\$3.1	\$20.2
Nonresidential Property Managers	\$12.3	\$6.7
Remaining Supplier Industries	\$272.5	\$287.2
<b>Total</b>	<b>\$335.0</b>	<b>\$386.5</b>

 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.

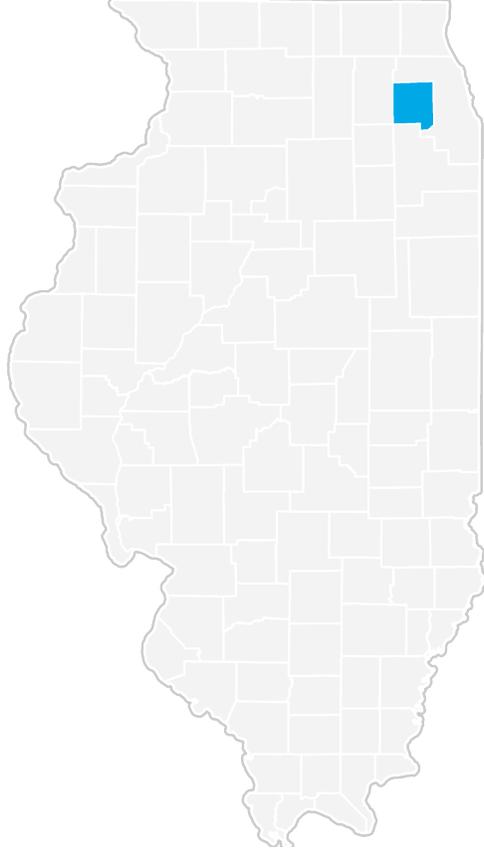
# Postsecondary Programs Linked to Arts, Entertainment, and Recreation

Program	Awards
<b>Benedictine University</b>	
Kinesiology and Exercise Science	30
<b>College of DuPage</b>	
Animation, Interactive Technology, Video Graphics and Special Effects	31
<b>Elmhurst College</b>	
Kinesiology and Exercise Science	36
Sport and Fitness Administration/Management	13
<b>G Skin &amp; Beauty Institute</b>	
Aesthetician/Esthetician and Skin Care Specialist	190
<b>Illinois Media School</b>	
Radio and Television	104
<b>North Central College</b>	
Drama and Dramatics/Theatre Arts, General	14
Kinesiology and Exercise Science	33
Sport and Fitness Administration/Management	24
<b>Wheaton College</b>	
Speech Communication and Rhetoric	52

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>

# DuPage County, Illinois Regional Map



# Data Notes

- Industry employment and wages (including total regional employment and wages) are as of 2020Q3 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 2020Q3 and is based on industry employment and local staffing patterns calculated by Chmura and utilizing BLS OES data. Occupation wages are per the BLS OES data and are as of 2019.
- 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 2018-2019 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.