

INDUSTRY REPORT

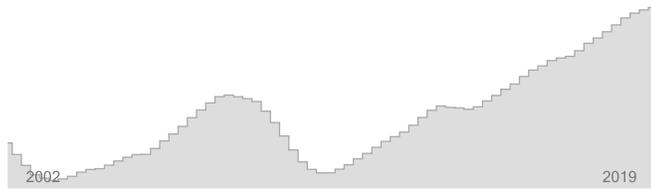
# TRANSPORTATION, LOGISTICS & WAREHOUSING

DUPAGE COUNTY, ILLINOIS

# TRANSPORTATION AND WAREHOUSING

DuPage County, Illinois – 2019 Q3

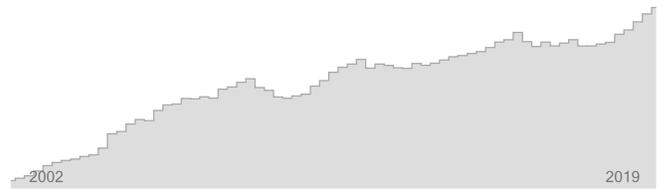
## EMPLOYMENT



**34,553**

Regional employment / 7,140,852 in the nation

## WAGES

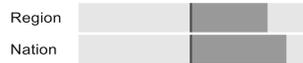


**\$60,140**

Avg Wages per Worker / \$54,666 in the nation

**1.8% ↑**

Avg Ann % Change Last 10 Years / +2.3% in the U.S.



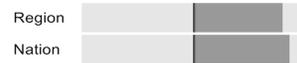
**5.3%**

% of Total Employment / 4.5% in the U.S.

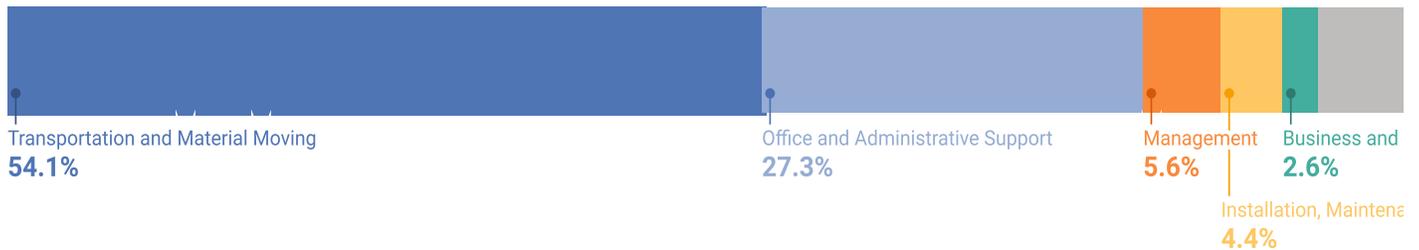


**1.8% ↑**

Avg Ann % Change Last 10 Years / +2.0% in the U.S.



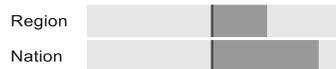
## TOP OCCUPATION GROUPS



## TOP INDUSTRIES

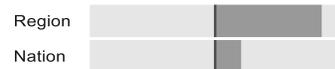
Avg Ann % Change in Employment, Last 10 Years

**1.6% ↑**



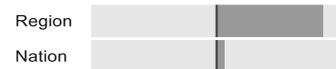
Freight Transportation Arrangement

**12.3% ↑**



Couriers and Express Delivery Services

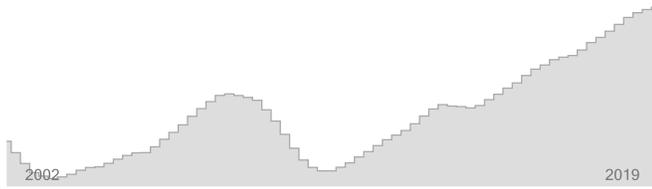
**8.1% ↑**



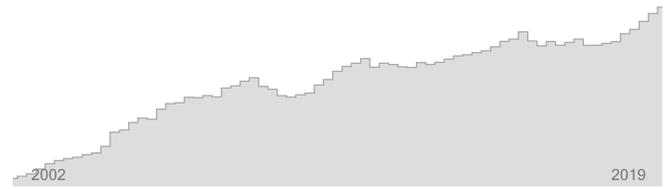
General Freight Trucking, Long-Distance, Truckload

# INDUSTRY SNAPSHOT

## EMPLOYMENT



## WAGES

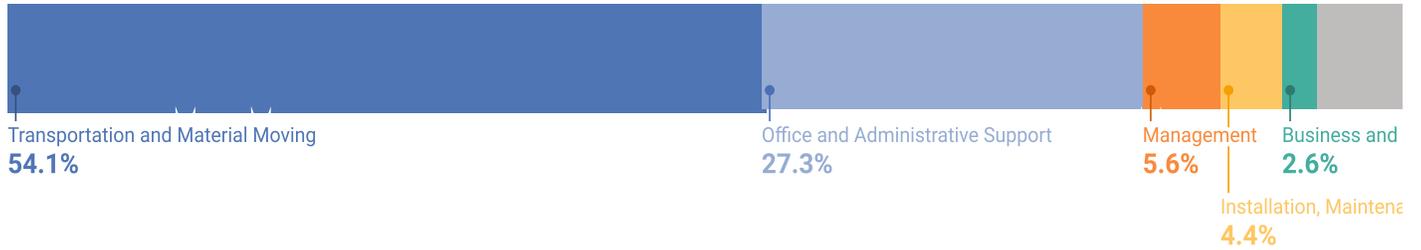


6-Digit Industry	Empl	Avg Ann Wages	LQ	5yr History	Annual Demand	Forecast Ann Growth
Freight Transportation Arrangement	7,320	\$77,992	6.77		711	0.0%
Couriers and Express Delivery Services	3,967	\$48,481	1.32		450	-0.3%
General Freight Trucking, Long-Distance, Truckload	3,824	\$58,684	1.51		399	-0.1%
General Warehousing and Storage	3,693	\$55,177	0.84		474	0.9%
Postal Service	3,322	\$70,217	1.31		147	-2.9%
General Freight Trucking, Local	2,412	\$54,357	1.81		251	-0.1%
School and Employee Bus Transportation	1,387	\$27,110	1.27		177	-0.2%
General Freight Trucking, Long-Distance, Less Than Truckload	1,016	\$53,640	0.88		106	-0.1%
Limousine Service	888	\$16,986	1.18		96	1.0%
Specialized Freight (except Used Goods) Trucking, Local	737	\$61,306	0.74		77	-0.1%
Remaining Component Industries	5,987	\$56,428	1.04		626	0.0%
<b>Transportation and Warehousing</b>	<b>34,553</b>	<b>\$60,140</b>	<b>1.17</b>		<b>3,603</b>	<b>-0.2%</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 PATTERNS



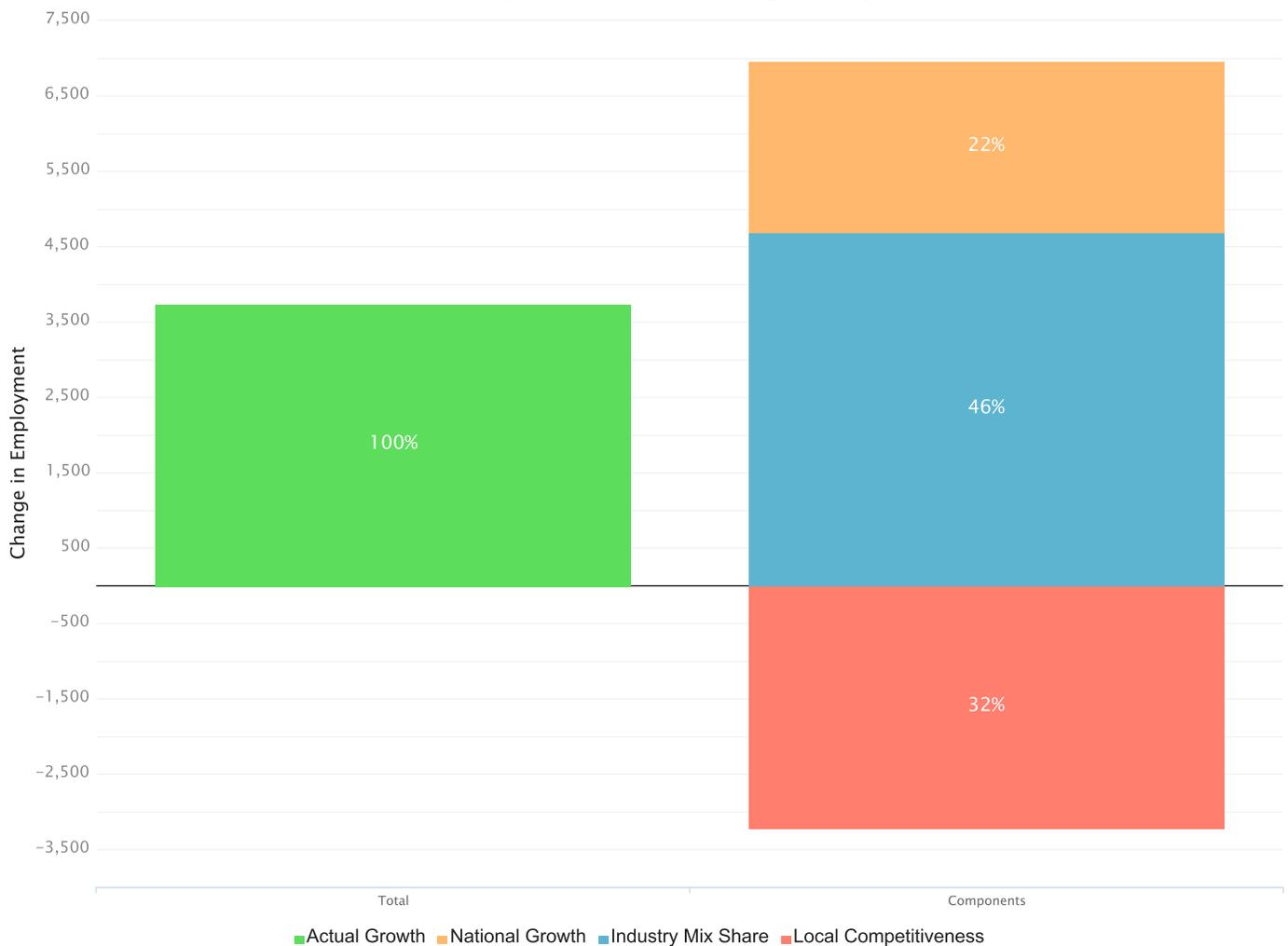
6-digit Occupation	Empl	Avg Ann Wages	Annual Demand
Heavy and Tractor-Trailer Truck Drivers	6,172	\$51,600	649
Laborers and Freight, Stock, and Material Movers, Hand	4,505	\$31,100	625
Light Truck or Delivery Services Drivers	2,214	\$54,300	242
Postal Service Mail Carriers	1,823	\$52,300	60
Cargo and Freight Agents	1,449	\$44,300	120
Bus Drivers, School or Special Client	1,096	\$37,200	129
Taxi Drivers and Chauffeurs	975	\$30,900	123
Industrial Truck and Tractor Operators	955	\$37,400	109
Office Clerks, General	837	\$38,200	87
Customer Service Representatives	682	\$41,500	77
Remaining Component Occupations	13,812	\$61,200	1,294
<b>Total</b>	<b>34,553</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 2018, employment in Transportation and Warehousing for DuPage County, Illinois added 3,737 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 loss of 3,216 jobs—meaning this industry was less competitive than its national counterpart during this period.

Drivers of Employment Growth for DuPage County, Illinois



Source: JobsEQ®, Data as of 2018Q4

-  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 Transportation and Warehousing 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).



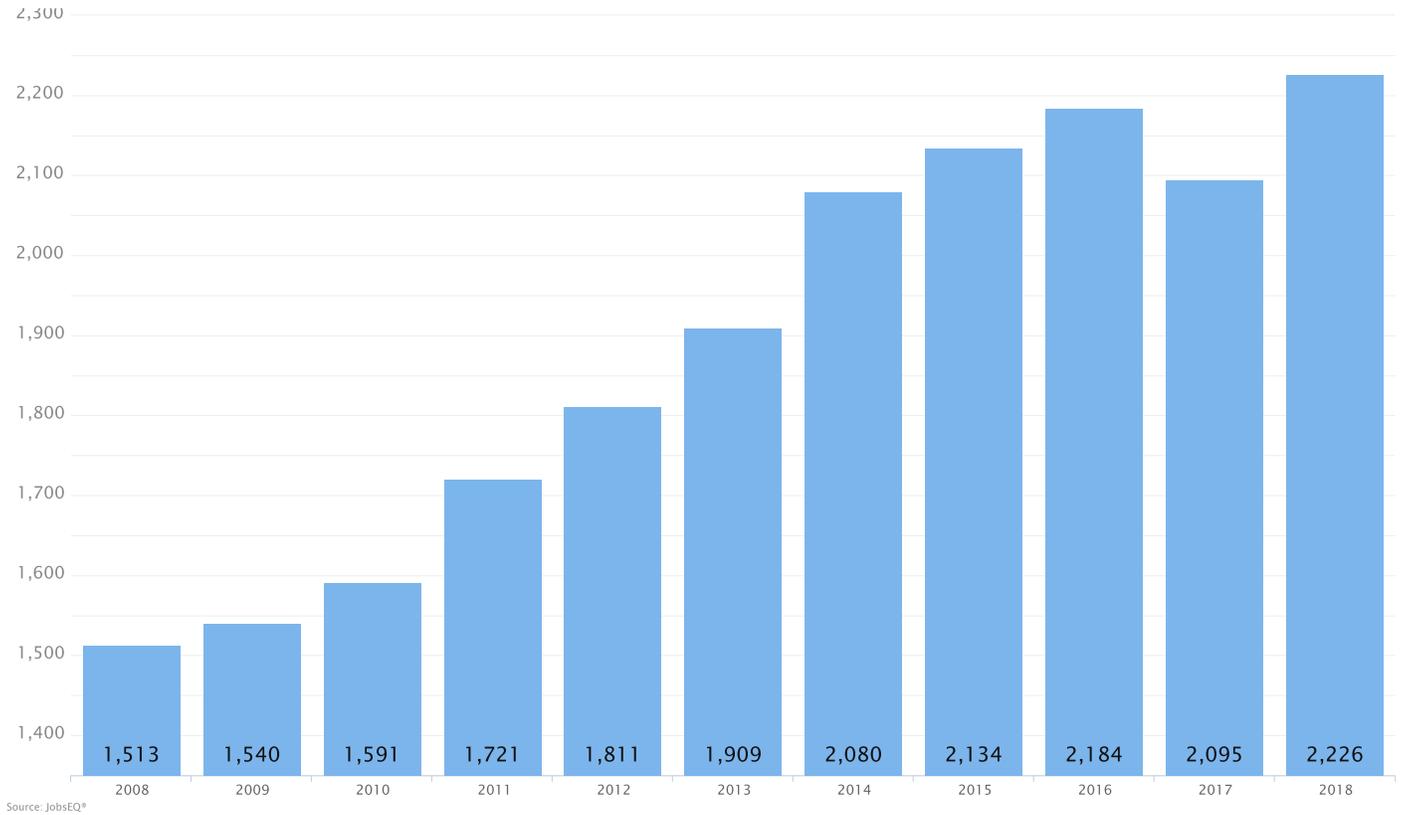
	Empl	%
Private	26,976	78.1%
Self-Employment	3,438	9.9%
Local Government	168	0.5%
Federal Government	3,317	9.6%
Other Non-Covered	654	1.9%

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 2018, there were 2,226 Transportation and Warehousing establishments in DuPage County, Illinois (per covered employment establishment counts), an increase from 1,513 establishments ten years earlier in 2008.

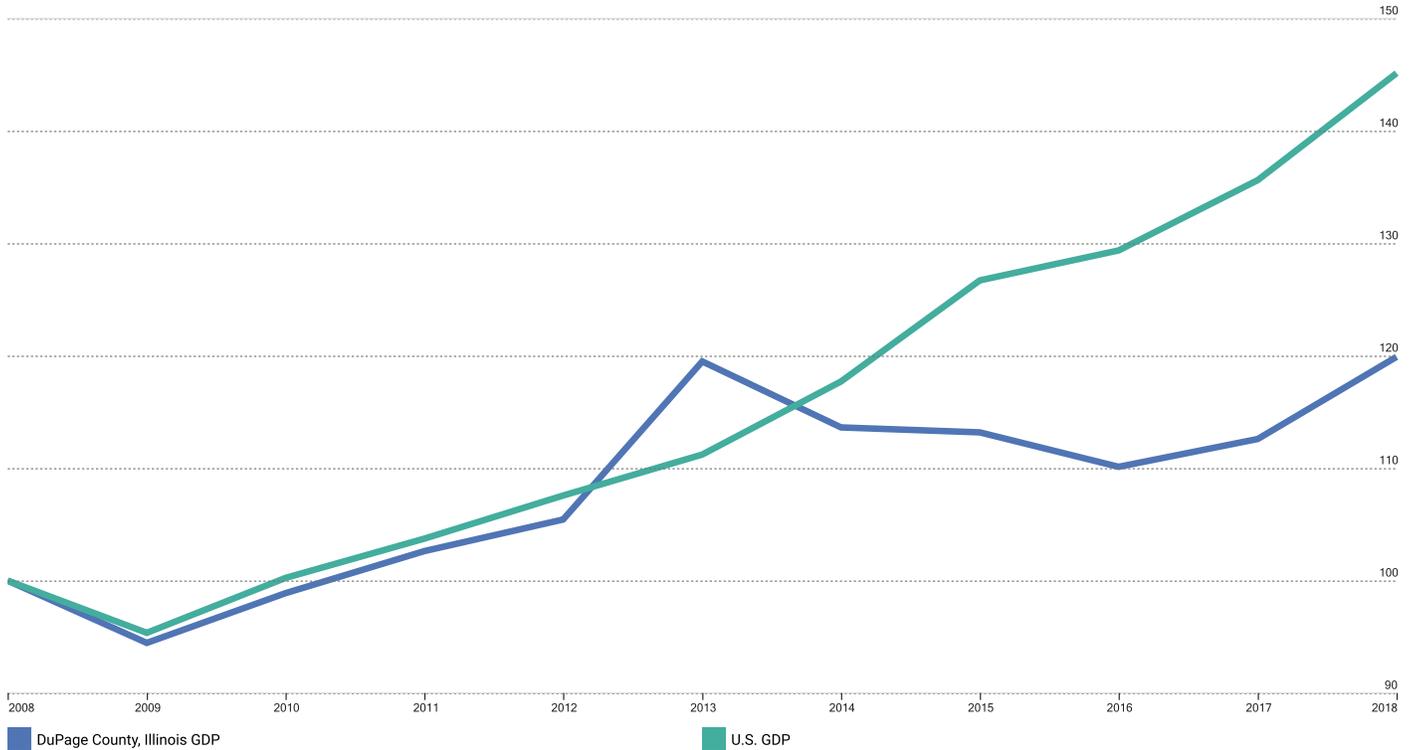


 New business formations are an important source of job creation in a regional economy, spurring innovation and competition, and driving productivity growth. Establishment data can provide an indicator of growth in businesses by counting each single location (such as a factory or a store) where business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

# GDP & PRODUCTIVITY

In 2018, Transportation and Warehousing produced \$3.7 billion in GDP for DuPage County, Illinois.

GDP: Indexed 2008 = 100



## 4.1 %

Industry Share of Total GDP /  
3.8 % in the nation



## 1.8 % ↑

Avg Ann % Change Last 10 Yrs /  
3.8 % in the nation



## \$207k

Output per Worker /  
\$195k in the 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.

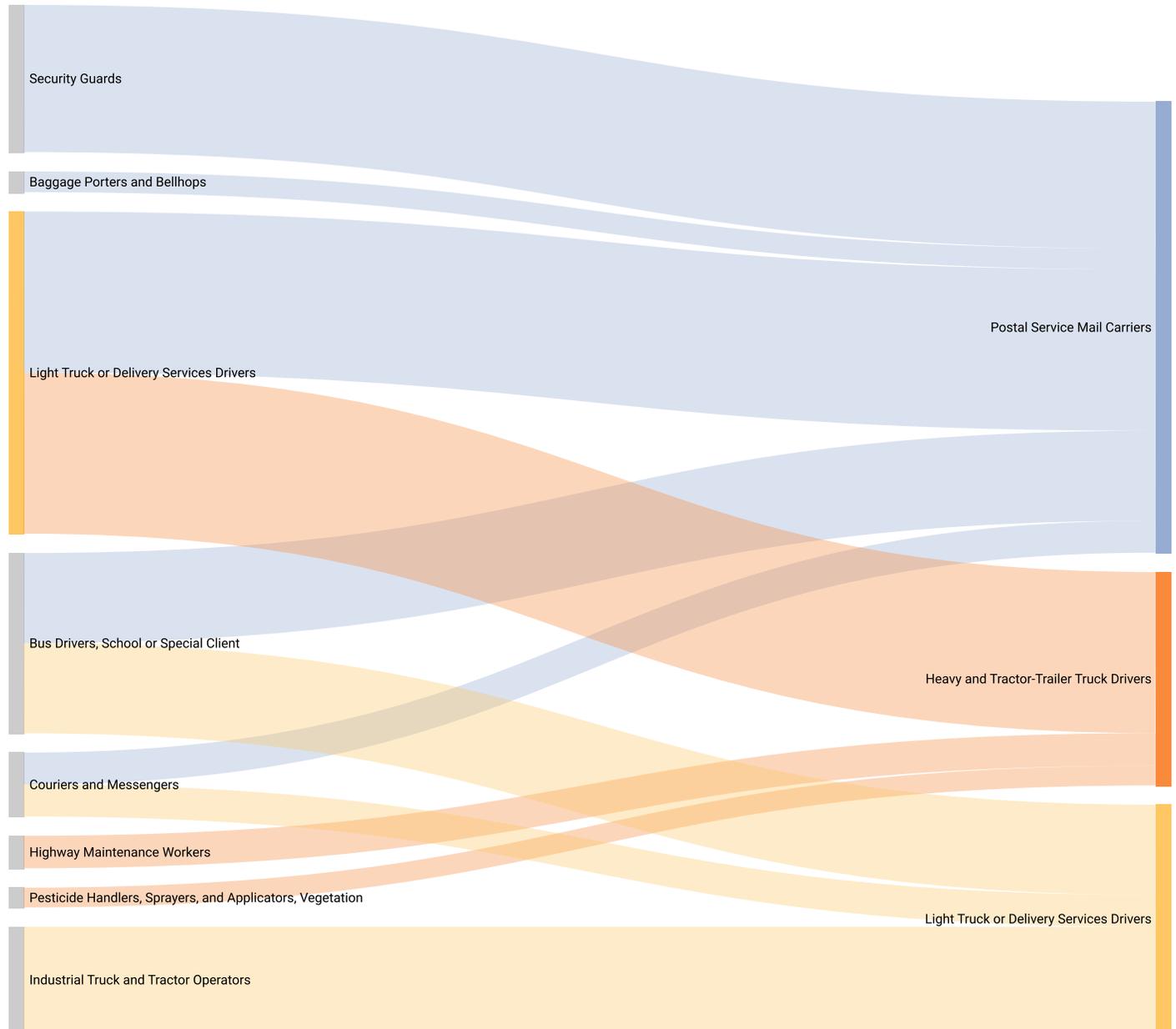
## SUPPLY CHAIN: TOP SUPPLIERS

As of 2019Q3, Transportation and Warehousing in DuPage County, Illinois are estimated to make \$4.0 billion in annual purchases from suppliers in the United States with about 43% or \$1.7 billion 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>
Petroleum Refineries	<\$0.1	\$472.1
Couriers and Express Delivery Services	\$90.6	\$88.7
Postal Service	\$109.5	\$16.4
Freight Transportation Arrangement	\$94.9	\$1.0
General Warehousing and Storage	\$63.8	\$30.3
Remaining Supplier Industries	\$1,334.9	\$1,655.8
<b>Total</b>	<b>\$1,693.6</b>	<b>\$2,264.4</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 TRANSPORTATION AND WAREHOUSING

Program	Awards
<b>Benedictine University</b>	
Business Administration and Management, General	346
<b>College of DuPage</b>	
Automobile/Automotive Mechanics Technology/Technician	64
Business Administration and Management, General	419
Data Entry/Microcomputer Applications, General	76
<b>G Skin &amp; Beauty Institute</b>	
Aesthetician/Esthetician and Skin Care Specialist	187
<b>Pivot Point Academy</b>	
Aesthetician/Esthetician and Skin Care Specialist	18
<b>The University of Aesthetics &amp; Cosmetology</b>	
Aesthetician/Esthetician and Skin Care Specialist	21
<b>Universal Spa Training Academy</b>	
Aesthetician/Esthetician and Skin Care Specialist	57
<b>Universal Technical Institute of Illinois Inc</b>	
Automobile/Automotive Mechanics Technology/Technician	396
Diesel Mechanics Technology/Technician	177

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 the DuPage County, Illinois, the sampling above identifies those most linked to occupations relevant to Transportation and Warehousing.

## DATA NOTES

- Industry employment and wages (including total regional employment and wages) are as of 2019Q3 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 2019Q3 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 2018.
- 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 2017-2018 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.