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An Economic Analysis of the Manufacturing Sector in Illinois

A Report Prepared for the
Illinois Manufacturers' Association

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An Economic Analysis of the Manufacturing Sector in Illinois

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Executive Summary

The Illinois economy is multi-faceted, with a wide variety of industries contributing to an inflation-adjusted GDP (2017\$) of over \$825 billion and almost 7.9 million jobs in 2017. The manufacturing sector plays a vital role in the state economy, accounting for 12.0% of state GDP and 7.5% of jobs.

However, a broader view is needed to avoid understating the manufacturing sector's contribution to the state economy. Indeed, manufacturing activity, including the direct effects described above, does not exist in isolation. Instead, it operates in a dynamic network of industries which buy from and sell to each other. These chains of effects mean that manufacturing helps support jobs and generate output in other industries in the Illinois economy. Such effects are known as the indirect and induced impacts.

In addition to summarizing the direct effects typically measured by government statistics agencies, this report provides a more comprehensive view of manufacturing's contribution to the state economy by analyzing indirect and induced impacts¹.

In total, Illinois' manufacturing sector (NAICS² 31-33) helps contribute approximately 1.5 million jobs, \$113 billion in labor income, \$200 billion in value added, and \$470 billion in output. This information is listed in Table ES-1.

Table ES-1. Illinois Total Manufacturing Impacts
Units Indicated

	Employment (Thousand Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
Direct	592.2	\$52.5	\$99.1	\$304.8
Indirect	434.3	\$32.3	\$52.0	\$85.8
Induced	525.1	\$27.9	\$48.5	\$76.5
Total	1551.7	\$112.7	\$199.6	\$467.1

This report also provides similar analysis for three important manufacturing sub-industries in Illinois. The total effects (direct + indirect + induced) are displayed in Table ES-2.

Table ES-2. Illinois Manufacturing Sub-Industry Total Impacts
Units Indicated

	Employment (Thousand Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
Total Manufacturing	1,551.7	\$112.7	\$199.6	\$467.1
Motor Vehicle and Parts Manufacturing	110.3	\$7.8	\$12.9	\$41.4
Food and Beverage Manufacturing	335.7	\$21.0	\$37.7	\$106.9
Pharmaceutical and Medical Equipment Manufacturing	146.3	\$13.7	\$27.9	\$50.8

¹ All source data and results describe activity in the year 2017.

² NAICS refers to the North American Industry Classification System
(<https://www.census.gov/eos/www/naics/index.html>)

The report also analyzes the manufacturing industry's contribution to select Illinois counties. The importance of Chicago's manufacturers is demonstrated by Cook, Lake, DuPage, Kane, and Will counties consistently appearing at the top of the rankings. With that said, manufacturing in other counties still plays an integral role, providing valuable jobs and output across the state.

Figure ES-1 displays the top ten counties, ranked by total (direct + indirect + induced) manufacturing employment. Cook County (192,500) accounts for nearly one-third of the state's 592,000 direct manufacturing jobs. When indirect and induced jobs are included, manufacturing helps support 417,300 jobs in Cook County.

Figure ES-1. Total Manufacturing (NAICS 31-33) Employment Impacts, Top 10 Counties
Thousand Persons

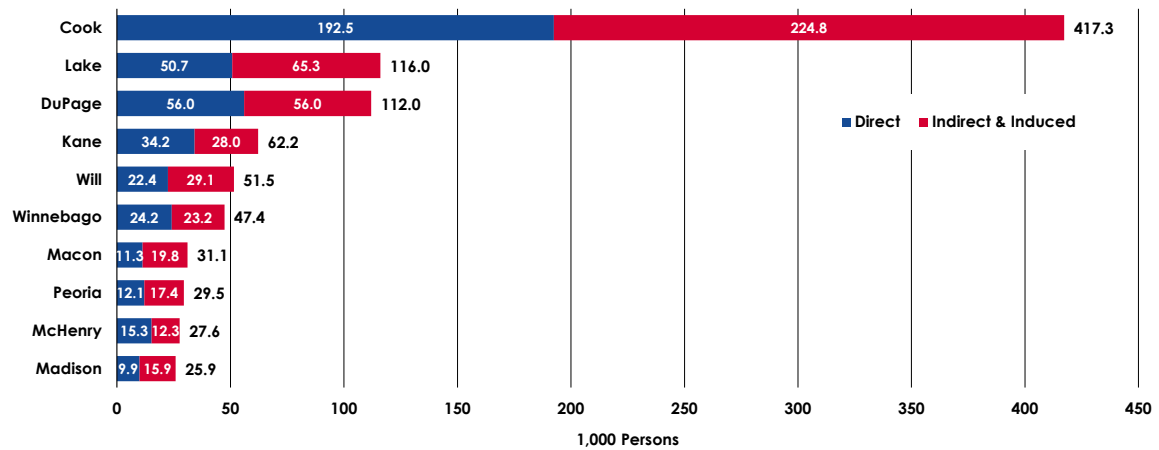
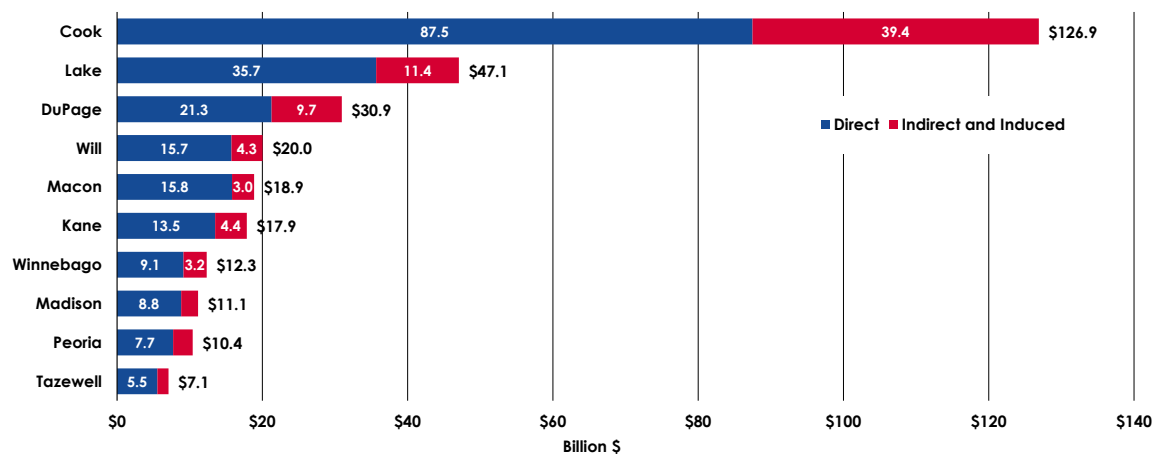


Figure ES-2 illustrates the top ten counties, ranked by total manufacturing output. These counties account for 72% of Illinois' direct manufacturing output and 65% of the state's manufacturing-related output.

Figure ES-2. Total Manufacturing (NAICS 31-33) Output Impacts, Top 10 Counties
Billion Dollars



1. Introduction

The Illinois economy is multi-faceted, with a wide variety of industries contributing to an inflation-adjusted GDP (2017\$) of over \$825 billion and almost 7.9 million jobs in 2017. The manufacturing sector plays a vital role in the state economy, accounting for 12.0% of state GDP and 7.5% of jobs.

Manufacturing firms provide well-paying jobs for Illinois workers. Manufacturing employees average nearly \$89,000 in total labor income. This measure compares favorably to other industries, including retail (\$35,000), transportation and warehousing (\$62,000), construction (\$68,000), and finance and insurance (\$86,000). It falls just shy of the average labor income of workers employed in the professional, scientific, and technical services industry (\$101,000).

This report presents an analysis of the manufacturing sector's contribution to the Illinois state economy. The industry segments analyzed in this study include:

- Total Manufacturing (NAICS 31-33)
- Automobile and Parts Manufacturing (NAICS 3361, 3362, 3363)
- Food & Beverage Manufacturing (NAICS 311, 3121)
- Pharmaceutical & Medical Equipment Manufacturing (NAICS 3254, 334510, 3391)

Additionally, the economic contribution of Total Manufacturing (NAICS 31-33) is analyzed for the 21 counties listed below:

- | | | |
|-------------|---------------|--------------|
| • Adams | • Lake | • Sangamon |
| • Champaign | • Macon | • St. Clair |
| • Cook | • Madison | • Tazewell |
| • DuPage | • McHenry | • Vermilion |
| • Jackson | • McLean | • Will |
| • Kane | • Peoria | • Williamson |
| • Kankakee | • Rock Island | • Winnebago |

It is critical not to understate the manufacturing sector's contribution to the state economy. Indeed, manufacturing activity, including the direct effects described above, does not exist in isolation. Instead, it operates in a dynamic network of industries which buy from and sell to each other. These chains of effects mean that manufacturing helps support jobs and generate output in other industries in the Illinois economy. Such effects are known as the indirect and induced impacts.

Section 2 describes the methodology used to estimate these impacts. Section 3 provides quantitative results showing manufacturing's contribution at the state and county level. Appendix A contains Fact Sheets for each industry listed above at the state level. Additionally, Fact Sheets describing total manufacturing's contribution are available for the counties listed above.

2. Methodology and Key Terms

The calculated economic impacts presented in this study make use of the tools of input-output (IO), also known as interindustry analysis. INFORUM has been building and using national and regional IO models and techniques for over 50 years.³ On many projects involving state and local economic impacts, we make use of a tool known as IMPLAN⁴.

In order to measure the economic impacts of manufacturing in Illinois, we use input-output (IO) analysis and IMPLAN software. These tools can be used to estimate chains of effects that occur through the interrelationships between businesses, government, and households. This analysis uses the 2017 IMPLAN database and model. All economic impacts are presented as inflation-adjusted 2017 dollars (2017\$). All results are for calendar year 2017.

This section describes the concepts being measured and the methodology employed to estimate the impacts.

Three types of economic impacts are derived in this study:

1. **Direct Impacts** - Activity generated within the focus industry. In this case, manufacturing activity serves as the direct impact.
2. **Indirect Impacts** - Activity generated in other industries as a result of purchases (materials, energy, and services) by the focus industry through the supply chain. For example, an automobile manufacturing firm might purchase tires, steel, and electrical components to produce their final product.
3. **Induced Impacts** - Activity generated by purchases of households from income earned from direct and indirect production.

Using IMPLAN, we estimate the direct, indirect, and induced impacts on:

1. **Employment** - Persons employed by an industry. Employment figures use Bureau of Economic Analysis' (BEA) and Bureau of Labor Statistics' (BLS) full-time/part-time annual average for a given industry. The data covers both wage and salary employees and those who are self-employed.
2. **Labor Income** - Labor income⁵, a component of value added, is the sum of salary/wages and supplements. Supplements may take the form of employer contributions for employee pensions and insurance funds (such as health insurance). This measure also includes proprietor income.
3. **Value Added** - Value added may be thought of as the industry's contribution to GDP and represents the enhancement a manufacturer provides (ex: assembly) to a product before offering it to the end consumer. Put another way, value added is the difference between total revenue of an industry and the cost of intermediate inputs. Components of value added include employee labor

³ INFORUM was started in the University of Maryland Economics Department in 1967 by Dr. Clopper Almon.

⁴ More information about IMPLAN is available at: <https://blog.implan.com/what-is-implan>

⁵ Labor income definition in the IMPLAN system: <https://implanhelp.zendesk.com/hc/en-us/articles/115009499307-Proprietor-income>

compensation, taxes on production and imports, and gross operating surplus (including profits).

4. **Output** - Output, in economic terms, refers to the total value of all goods and services produced by an industry. This includes both intermediate demand (sales of intermediate inputs to other industries) and final demand.

IO analysis is performed using tables that show the interrelationships between industries. Looking down the column of a table, we see all the inputs of other industries used to produce that industry's product. Looking across the row of a table, we see the industries and final uses that industry sells to. These tables are used to calculate the indirect impacts of a given industry's production.

Each analysis presented in this report is based on a *Study Area*, such as a state or county, and examines the total contribution or impact of a selected industry. The reported indirect and induced impacts are limited to that study area. For example, if the study area is a state, the impacts on other states or countries is not included. Similarly, the county analyses report only the activity generated within that county.

A *multiplier* can be viewed as the ratio of an impact or contribution over the original stimulus. For example, the multiplier of output would show the ratio of additional indirect and induced output generated, divided by the output of the focus industry.

Measures of output include *double-counting*. For example, the tire used to build a motor vehicle is counted both as output of tires, and output of motor vehicles. This is important only if both are produced in the same Study Area. However, employment, labor income, and value added are additive, that is to say, not double-counted. Many slices of value added contribute to the final value of a product or service.



3. Manufacturing's Economic Contribution

Section 3.1 analyzes total manufacturing and select sub-industry's contribution to the Illinois economy. It provides a look at both direct impacts and a more comprehensive view of manufacturing's contribution to the state economy by including indirect and induced impacts. Section 3.2 goes on to summarize total manufacturing's contribution for 21 counties in Illinois.

3.1 State-Level Impacts

Direct Impacts

Table 1 summarizes the direct economic impacts of Illinois' manufacturing sector and subsectors. Total manufacturing (NAICS 31-33) activity contributes just under \$100 billion in value added, accounting for 12.0% of state GDP. Illinois manufacturers employ over 592,000 persons. Manufacturing employees earn \$52.5 billion in labor income (sum of salary/wages, supplements, and proprietor income). This equates to labor income of \$88,691 per worker.

Illinois manufacturers directly employ over 592,000 people and contribute upwards of \$300 billion in output.

Table 1. Illinois Manufacturing, Direct Impacts Summary
Units Indicated

NAICS Industry	Employment (Thousand Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
31-33 Total Manufacturing	592.2	\$52.5	\$99.1	\$304.8
311 Food Products	93.0	\$6.4	\$12.5	\$59.2
312 Beverage & Tobacco	8.1	\$0.5	\$1.8	\$5.9
313 Textile Mills	1.2	\$0.1	\$0.1	\$0.4
314 Textile Products	3.1	\$0.1	\$0.2	\$0.5
315 Apparel	3.9	\$0.2	\$0.2	\$0.5
316 Leather & Allied Products	1.2	\$0.1	\$0.1	\$0.2
321 Wood Products	7.5	\$0.3	\$0.5	\$1.6
322 Paper Manufacturing	19.0	\$1.7	\$2.2	\$9.1
323 Printing & Related	30.2	\$2.0	\$2.7	\$5.4
324 Petroleum & Coal	5.7	\$1.1	\$6.6	\$22.9
325 Chemical Manufacturing	43.0	\$6.7	\$19.1	\$48.1
326 Plastics & Rubber Products	43.5	\$3.3	\$6.0	\$15.9
327 Non-Metal Mineral Products	14.9	\$1.2	\$2.2	\$5.5
331 Primary Metal Manufacturing	18.0	\$1.7	\$2.2	\$9.5
332 Fabricated Metal Products	91.7	\$6.7	\$10.4	\$24.2
333 Machinery Manufacturing	71.4	\$7.3	\$12.6	\$32.0
334 Computer & Other Electronics	27.7	\$2.8	\$5.1	\$11.1
335 Electrical Equip. & Appliances	22.5	\$2.3	\$3.5	\$9.2
336 Transportation Equipment	42.2	\$3.4	\$5.4	\$30.7
337 Furniture & Related Products	13.2	\$0.8	\$1.2	\$2.8
339 Miscellaneous Manufacturing	31.0	\$3.8	\$4.6	\$10.0

Figure 1 displays the top ten manufacturing sub-industries by employment. At 496.2 thousand employees, these ten sub-industries account for roughly 84% of Illinois manufacturing employment.

Figure 1. Illinois Manufacturing Employment, Top 10 Manufacturing Industries
Units: Thousand Persons

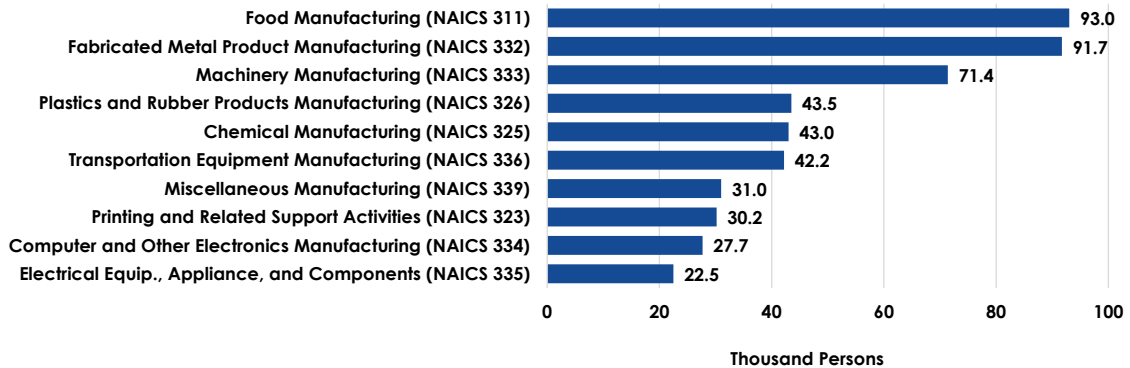
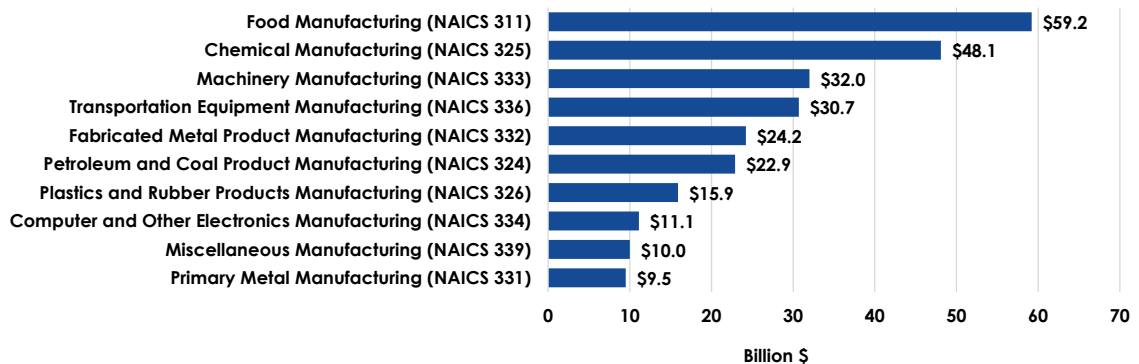


Figure 2 displays the top ten manufacturing sub-industries by output. The output of these industries sum to \$263.6 billion. At almost 86% of total Illinois manufacturing output, they are vital to the manufacturing sector in the state economy.

Figure 2. Illinois Manufacturing Output, Top 10 Manufacturing Industries
Units: Billion \$



Indirect and Induced Impacts

The impact of the manufacturing industries in Illinois certainly extends beyond the direct economic impacts described in the previous section. Output and jobs are also supported in supplier ("indirect") industries that provide components, materials, energy, and various services to the manufacturing sector. Additionally, individuals employed by manufacturers and the associated supply chains earn income. A portion of these funds is used to purchase consumer goods and services, helping create jobs and support other industries. These impacts are known as induced effects.

The following sections summarize these types of impacts for total manufacturing (NAICS 31-33) and three specific sub-sectors:

- Motor Vehicles and Parts Manufacturing (NAICS 3361, 3362, & 3363)
- Food and Beverage Manufacturing (NAICS 311 & 3121)
- Pharmaceutical and Medical Equipment Manufacturing (NAICS 3254, 334510, & 3391)

Total Manufacturing (NAICS 31-33)

Illinois' overall manufacturing sector directly employs over 592,000 people, generates about \$100 billion in value added, and contributes nearly \$305 billion in output. These numbers can be seen on the first row of Table 2. The direct activity helps generate indirect activity within the state shown on the second row of Table 2. These upstream suppliers, who provide inputs for manufacturers, generate almost \$86 billion in output and employ over 430,000 people. Finally, a portion of the labor income earned by Illinois

In total, Illinois manufacturing activity helps contribute 1.5 million jobs and \$200 billion in value added to the state economy.

manufacturers and their supply chains is spent on goods and services in the state economy. This activity, seen in the third row of Table 2, supports over 525,000 jobs and generates close to \$77 billion in output. In total, Illinois' manufacturing sector helps contribute approximately 1.5 million jobs, \$113 billion in labor income, \$200 billion in value added, and \$470 billion in output.

Economic multipliers describe the ratio of the sum of indirect and induced impacts to direct impacts. The data shown in Table 2 indicates that one manufacturing job helps support 1.6 other jobs in the state economy⁶. Additionally, one dollar in manufacturing output generates \$0.53 of output elsewhere in the state economy⁷. If impacts to surrounding states are considered, these multipliers grow even larger. Additional information on total manufacturing's contribution can be found in Fact Sheet #1 of Appendix A.

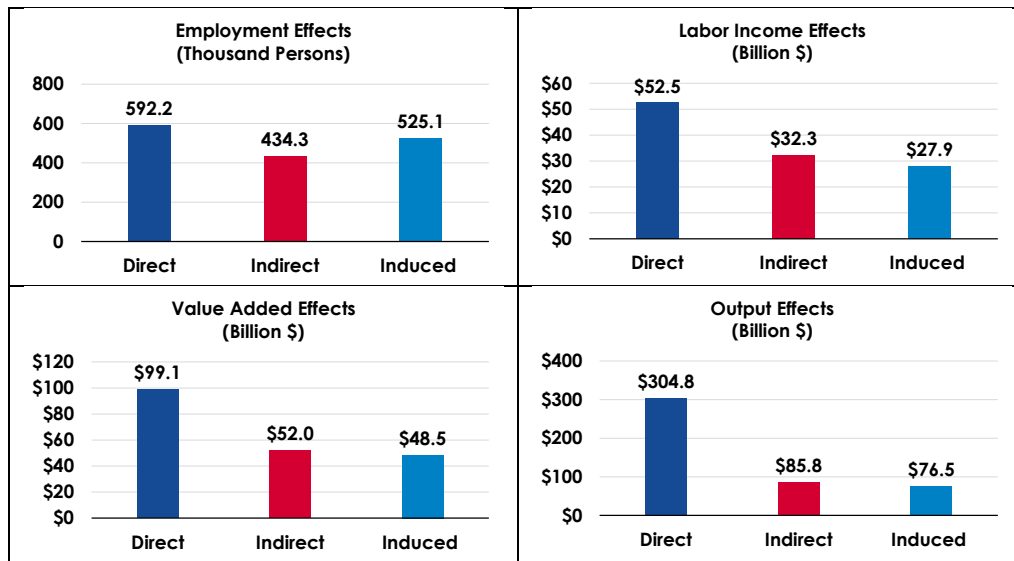
Table 2. Illinois Total Manufacturing Impacts
Units Indicated

	Employment (Thousand Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
Direct	592.2	\$52.5	\$99.1	\$304.8
Indirect	434.3	\$32.3	\$52.0	\$85.8
Induced	525.1	\$27.9	\$48.5	\$76.5
Total	1551.7	\$112.7	\$199.6	\$467.1

⁶ Employment multiplier = (Indirect Employment + Induced Employment) / Direct Employment = (434.3 + 525.1) / 592.2 = 1.6

⁷ Output multiplier = (Indirect Output + Induced Output) / Direct Output = (85.8+76.5) / 304.8 = 0.53

Figure 3. Illinois Total Manufacturing Impacts
Units Indicated



Motor Vehicles & Parts Manufacturing (NAICS 3361, 3362, & 3363)

The motor vehicle and parts manufacturing industry is composed of three NAICS codes:

- NAICS 3361 – Motor Vehicle Manufacturing: Includes automobile, light trucks, and heavy-duty truck manufacturing.
- NAICS 3362 – Motor Vehicle Body and Trailer Manufacturing: Includes motor vehicle body, truck trailer, motor home, and camper manufacturing.
- NAICS 3363 – Motor Vehicle Parts Manufacturing: Includes a wide variety of motor vehicle parts such as engines, electrical equipment, steering and suspension components, brakes, and transmissions.

Table 3 summarizes the different types of economic impacts associated with the Illinois motor vehicle and parts manufacturing industry. It directly employs over 36,000 people, providing them with about \$3 billion in labor income. The industry generates \$4.8 billion in value added and \$27.7 billion in output. The upstream (indirect) activity generates roughly the same amount of jobs and contributes an additional \$8 billion in output to the state economy. The induced impact supports 37,000 additional jobs and \$5.6 billion in output. When combined, the motor vehicle and parts industry supports over 110,000 jobs, generates \$41.4 billion in output, and contributes \$12.9 billion to state GDP.

In total, Illinois' motor vehicle and parts manufacturing industry generates over \$40 billion in output.

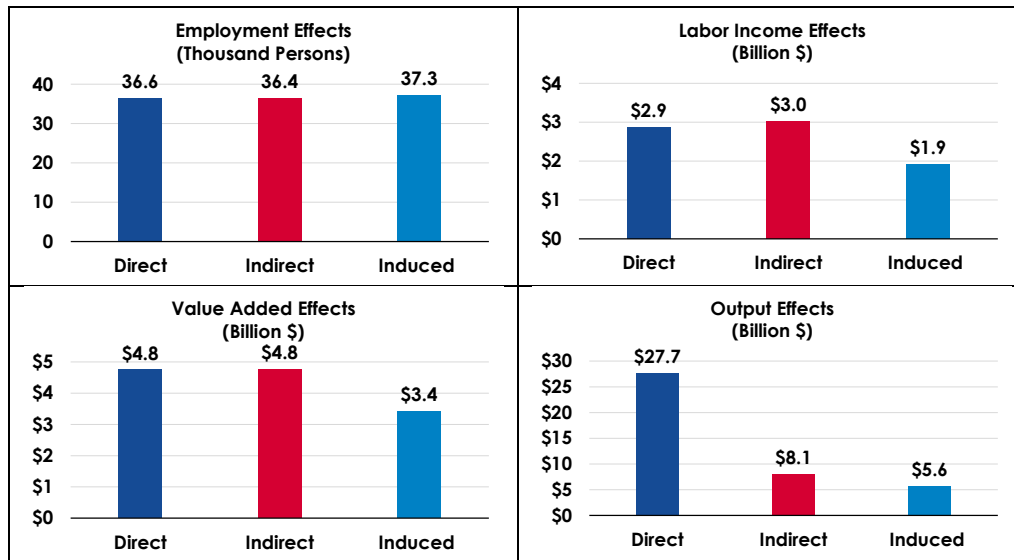
For every job in the Illinois motor vehicle and parts industry, an additional 2.0 other jobs are created in the state economy. One dollar of this industry's output generates \$0.49 of output elsewhere in the state economy. Multipliers grow in size when impacts to surrounding states are included. Additional information on this industry can be found in Fact Sheet #2 of Appendix A.



Table 3. Illinois Motor Vehicle and Parts Manufacturing Impacts
Units Indicated

	Employment (Thousand Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
Direct	36.6	\$2.9	\$4.8	\$27.7
Indirect	36.4	\$3.0	\$4.8	\$8.1
Induced	37.3	\$1.9	\$3.4	\$5.6
Total	110.3	\$7.8	\$12.9	\$41.4

Figure 4. Illinois Motor Vehicle and Parts Manufacturing Impacts
Units Indicated



Food and Beverage Manufacturing (NAICS 311 & 3121)

Illinois' food and beverage manufacturing industry is the sum of two NAICS codes:

- NAICS 311 - Food Manufacturing: Includes an array of food products like animal foods, grain and oilseed, sugar products, fruit and vegetables, dairy products, animal processing, and bakeries.
- NAICS 3121 - Beverage Manufacturing: Includes beverage products like soft drinks, bottled water, ice, breweries, wineries, and distilleries.

Table 4 lists the economic impacts of the food and beverage manufacturing industry in Illinois. Food and beverage manufacturers directly employ nearly 101,000 people and generate over \$64 billion in output. This activity generates demand from upstream suppliers, supporting an additional 135,000 jobs and almost \$28 billion in output. The labor income earned by direct and indirect activity helps support an additional 100,000 jobs and \$15 billion in output. In total, the Illinois food and beverage industry supports over 335,000 jobs, generates \$21 billion in labor income, and contributes \$37.7 billion to state GDP.

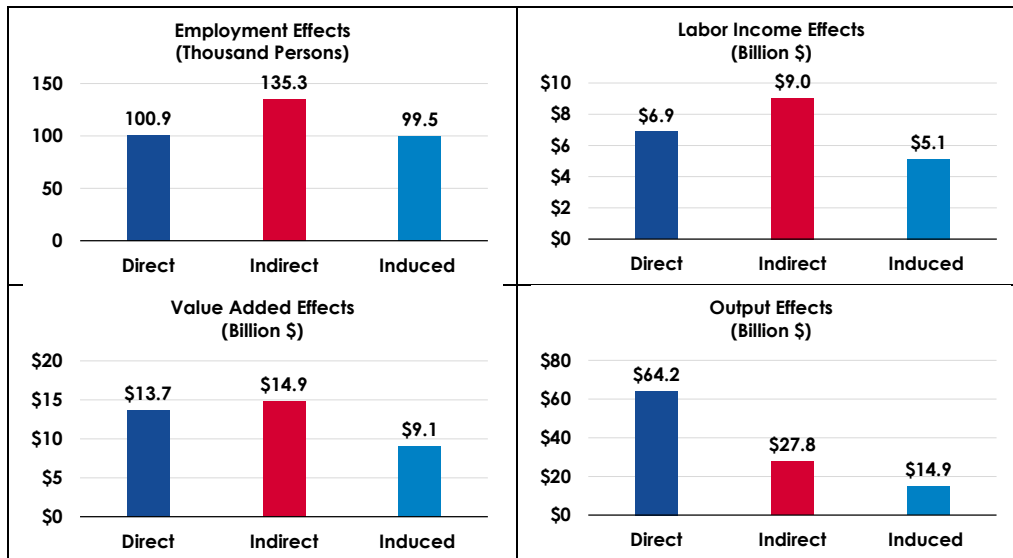
One manufacturing job in this industry helps support 2.3 jobs in the state economy. Additionally, one dollar of this industry's output generates \$0.67 in output elsewhere in the state economy. If impacts to surrounding states are included, these multipliers expand in magnitude. Additional information on this industry can be found in Fact Sheet #3 of Appendix A.

The Illinois food and beverage manufacturing industry directly employs over 100,000 people and contributes to more than 335,000 jobs state-wide.

Table 4. Illinois Food and Beverage Manufacturing Impacts
Units Indicated

	Employment (Thousand Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
Direct	100.9	\$6.9	\$13.7	\$64.2
Indirect	135.3	\$9.0	\$14.9	\$27.8
Induced	99.5	\$5.1	\$9.1	\$14.9
Total	335.7	\$21.0	\$37.7	\$106.9

Figure 5. Illinois Food and Beverage Manufacturing Impacts
Units Indicated



Pharmaceutical and Medical Equipment Manufacturing (NAICS 3254, 334510, & 3391)

The pharmaceutical and medical equipment manufacturing industry is defined as the sum of three NAICS codes:

- NAICS 3254 – Pharmaceutical and Medicine Manufacturing: Includes botanical/medicinal manufacturing, pharmaceutical preparation, and diagnostic substance manufacturing.
- NAICS 334510 – Electromedical and Electrotherapeutic Apparatus Manufacturing: Includes production of MRIs, medical ultrasound, pacemakers, hearing aids, and other similar equipment.
- NAICS 3391 – Medical Equipment and Supplies Manufacturing: Includes manufacture of medical, surgical, dental and ophthalmic equipment.

Table 5 describes the direct, indirect, and induced economic impacts of the Illinois pharmaceutical and medical equipment industry. It is responsible for directly employing over 30,000 people and generating over \$30 billion in output. Its upstream supply chain employs an additional 51,000 people and accounts for approximately \$11 billion in output. Finally, its induced impact helps support 65,000 jobs and almost \$10 billion in output. When combined, the industry contributes over 146,000 jobs, \$13.7 billion in labor income, \$27.9 billion in value added, and \$50.8 billion in output.

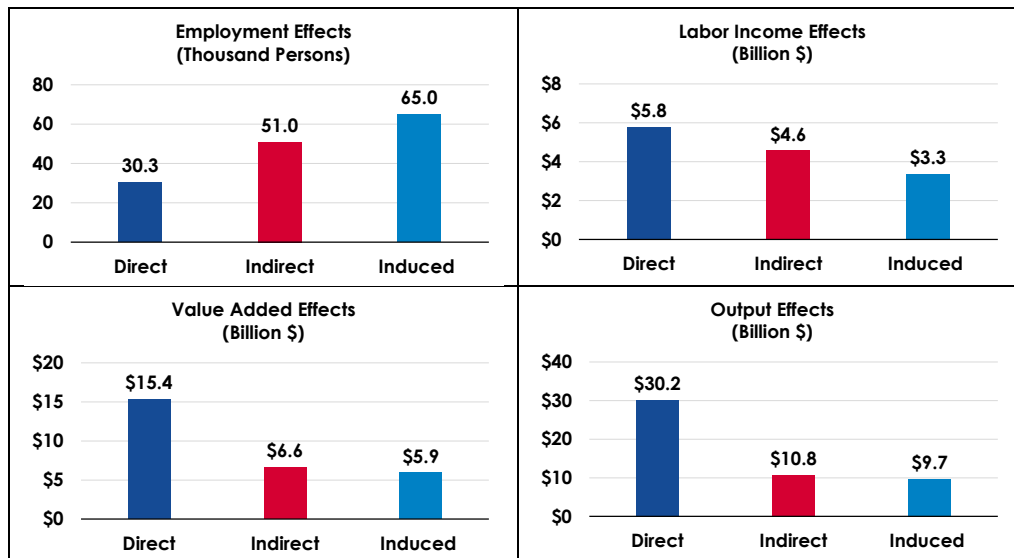
Its employment multiplier is 3.8, meaning that every job in this industry helps support 3.8 other jobs in the state economy. Additionally, one dollar of this industry's output generates \$0.68 in output elsewhere in the state economy. These multipliers grow even larger when impacts to other states are considered. Additional information on this industry can be found in Fact Sheet #4 of Appendix A.

For every job in the Illinois pharmaceutical and medical equipment manufacturing industry, an additional 3.8 other jobs are created in the state economy.

Table 5. Illinois Pharmaceutical and Medical Equipment Manufacturing Impacts
Units Indicated

	Employment (Thousand Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
Direct	30.3	\$5.8	\$15.4	\$30.2
Indirect	51.0	\$4.6	\$6.6	\$10.8
Induced	65.0	\$3.3	\$5.9	\$9.7
Total	146.3	\$13.7	\$27.9	\$50.8

Figure 6. Illinois Pharmaceutical and Medical Equipment Manufacturing Impacts
Units Indicated



3.2 County-Level Impacts

This section analyzes manufacturing's economic contribution to select Illinois counties. Impacts measure activity wholly within the county boundaries. As with the previous section, economic impacts fall into three categories: direct, indirect, and induced. However, for simplicity of presentation, indirect and induced impacts are combined in the charts. Additional details are provided in county-specific Fact Sheets in Appendix A.

The importance of Chicago's manufacturers is demonstrated by Cook, Lake, DuPage, Kane, and Will counties consistently appearing at the top of the rankings. With that said, manufacturing in other counties still plays an integral role, providing valuable jobs and output across the state.

Employment

Table 6 lists total manufacturing's employment impacts by county. Regions are ranked by total (direct + indirect + induced) employment levels. Cook County (192,500) accounts for nearly one-third of the state's 592,200 direct manufacturing jobs. When indirect and induced jobs are included, manufacturing helps support 417,300 jobs in Cook County.

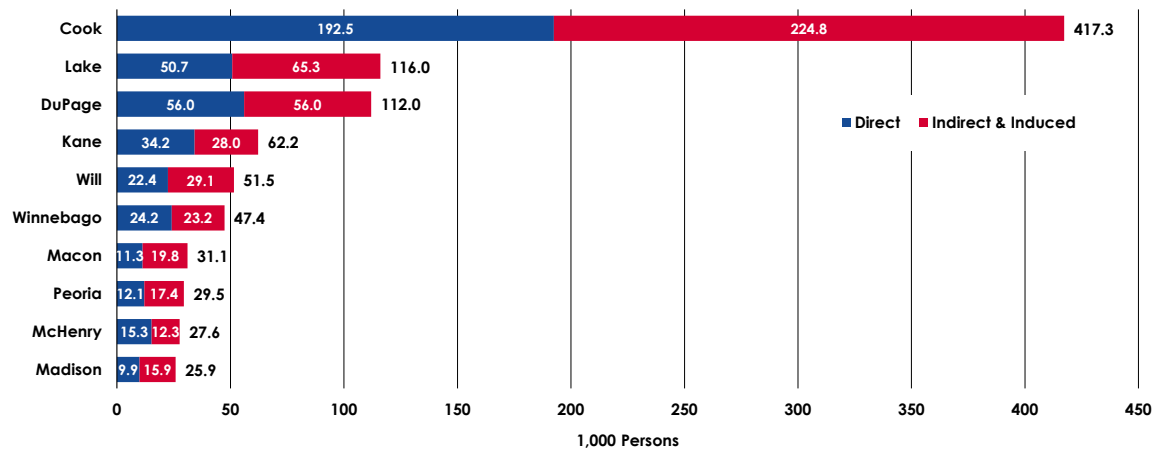
The top ten counties, ranked by total manufacturing employment, are illustrated in Figure 7. These counties account for 72% of direct manufacturing jobs and 59% of total (direct + indirect + induced) manufacturing employment.

In total, manufacturing helps support 417,300 jobs in Cook County.

Table 6. Total Manufacturing (NAICS 31-33), County-Level Employment Impacts
Thousand Persons

Region	Direct	Indirect	Induced	Total
State of Illinois	592.2	434.3	525.1	1,551.7
Cook	192.5	104.8	120.0	417.3
Lake	50.7	27.9	37.4	116.0
DuPage	56.0	22.8	33.2	112.0
Kane	34.2	12.5	15.5	62.2
Will	22.4	15.7	13.4	51.5
Winnebago	24.2	8.8	14.4	47.4
Macon	11.3	12.5	7.3	31.1
Peoria	12.1	7.5	9.9	29.5
McHenry	15.3	6.1	6.2	27.6
Madison	9.9	9.1	6.8	25.9
Tazewell	9.3	5.4	5.3	20.0
St. Clair	6.2	4.2	3.4	13.8
Rock Island	8.8	2.2	2.6	13.6
Kankakee	5.8	3.9	3.3	13.0
Vermillion	5.4	4.2	2.4	12.0
Champaign	6.8	2.6	2.3	11.7
Adams	5.1	2.4	2.7	10.2
McLean	3.4	1.0	1.1	5.5
Sangamon	3.0	1.2	1.2	5.4
Williamson	2.6	1.1	1.1	4.8
Jackson	1.0	0.4	0.2	1.6

Figure 7. Total Manufacturing (NAICS 31-33) Employment Impacts, Top 10 Counties
Thousand Persons



Labor Income

Table 7 displays total manufacturing's labor income impacts by county. Regions are ranked by total labor income levels. Cook County's direct labor income (\$16.6 billion) accounts for 32% of the state's (\$52.5 billion) direct manufacturing labor income. When indirect and induced impacts are included, manufacturing helps support \$32.7 billion in Cook County's labor income.

For direct manufacturing, average labor income per worker ranges from about \$49,000 (Jackson County) to \$147,000 (Lake County). The average labor income per worker across the counties analyzed was approximately \$84,000. This variety is related to the types of industry present and cost-of-living differences.

Among analyzed counties, average labor income per worker directly employed by manufacturers was approximately \$84,000.

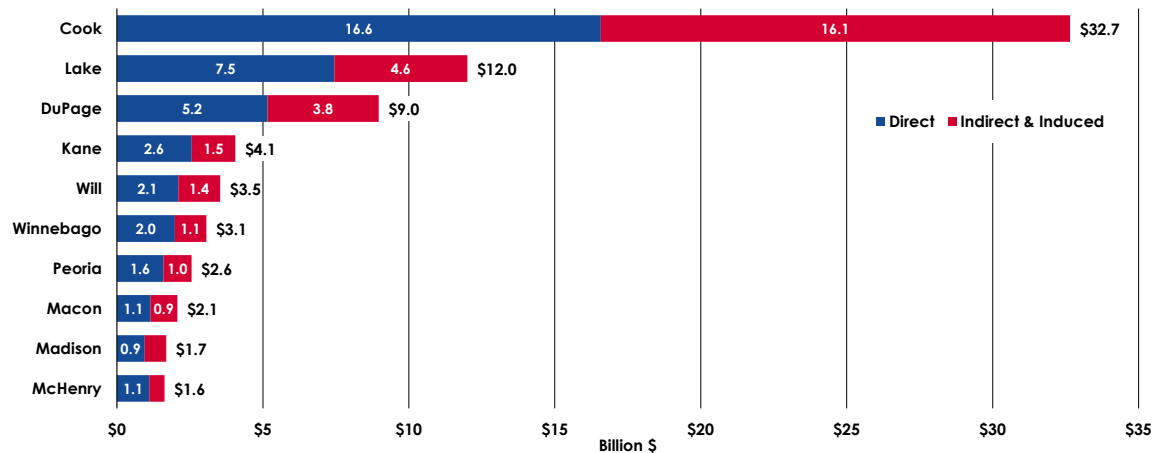
The top ten counties, ranked by total manufacturing labor income, are illustrated in Figure 8. These counties account for 77% of direct manufacturing labor income and 64% of total (direct + indirect + induced) manufacturing labor income in Illinois.



Table 7. Total Manufacturing (NAICS 31-33), County-Level Labor Income Impacts
Million \$

Region	Direct	Indirect	Induced	Total
State of Illinois	\$52,522	\$32,266	\$27,917	\$112,705
Cook	\$16,577	\$9,015	\$7,060	\$32,652
Lake	\$7,451	\$2,483	\$2,069	\$12,003
DuPage	\$5,159	\$1,970	\$1,837	\$8,967
Kane	\$2,567	\$799	\$694	\$4,059
Will	\$2,100	\$895	\$544	\$3,539
Winnebago	\$1,985	\$463	\$616	\$3,065
Peoria	\$1,596	\$474	\$487	\$2,557
Macon	\$1,150	\$630	\$292	\$2,072
Madison	\$949	\$474	\$264	\$1,687
McHenry	\$1,113	\$294	\$224	\$1,631
Tazewell	\$1,139	\$285	\$193	\$1,618
Rock Island	\$673	\$157	\$113	\$944
Kankakee	\$468	\$167	\$120	\$755
St. Clair	\$428	\$160	\$133	\$721
Champaign	\$433	\$132	\$120	\$684
Vermillion	\$395	\$194	\$92	\$681
Adams	\$360	\$126	\$113	\$599
Sangamon	\$180	\$73	\$58	\$311
McLean	\$180	\$60	\$47	\$286
Williamson	\$155	\$48	\$41	\$244
Jackson	\$49	\$17	\$9	\$75

Figure 8. Total Manufacturing (NAICS 31-33) Labor Income Impacts, Top 10 Counties
Billion \$



Value Added

Table 8 lists the value added impacts of manufacturing in Illinois. Regions are ranked by total value added. The direct manufacturing activity of Chicago-area counties (Cook, Lake, DuPage, Will, and Kane) collectively contribute nearly \$64 billion to state GDP. When indirect and induced impacts are included, this figure approaches \$109 billion.

Direct manufacturing activity of Chicago-area counties contribute nearly \$64 billion to state GDP.

However, it is important not to discount the importance of manufacturing in other parts of the state. Figure 9 displays manufacturing's share of GDP by region. This is calculated as the ratio of manufacturing direct value added to the region's GDP. Macon County's (direct) manufacturing sector, while relatively small compared to Cook or Lake County, is extremely significant to its local economy, accounting for 40% of county GDP.

Figure 10 displays the top ten counties in terms of manufacturing total value added. These ten counties account for 78% of Illinois direct value added.

Table 8. Total Manufacturing (NAICS 31-33), County-Level Value Added Impacts
Million Dollars

Region	Direct	Indirect	Induced	Total	% of County GDP (Direct)
State of Illinois	\$99,142	\$52,048	\$48,455	\$199,645	12.0%
Cook	\$28,870	\$14,003	\$11,952	\$54,825	7.1%
Lake	\$17,503	\$3,820	\$3,613	\$24,936	27.5%
DuPage	\$8,386	\$3,066	\$3,191	\$14,643	9.3%
Will	\$4,962	\$1,539	\$1,007	\$7,508	16.5%
Kane	\$4,272	\$1,366	\$1,275	\$6,913	16.7%
Winnebago	\$3,159	\$808	\$1,057	\$5,024	23.4%
Peoria	\$2,854	\$784	\$788	\$4,426	22.7%
Macon	\$2,702	\$1,077	\$491	\$4,270	40.0%
Madison	\$2,437	\$844	\$488	\$3,769	21.6%
Tazewell	\$2,010	\$493	\$396	\$2,900	30.9%
McHenry	\$1,838	\$489	\$407	\$2,734	17.2%
Rock Island	\$1,141	\$234	\$191	\$1,565	12.6%
Vermilion	\$861	\$344	\$170	\$1,375	27.2%
Kankakee	\$832	\$287	\$213	\$1,332	19.8%
St. Clair	\$749	\$293	\$224	\$1,266	7.0%
Champaign	\$802	\$229	\$207	\$1,238	6.8%
Adams	\$576	\$228	\$195	\$998	17.2%
Sangamon	\$321	\$123	\$99	\$543	2.9%
Williamson	\$317	\$88	\$72	\$477	10.7%
McLean	\$286	\$101	\$85	\$473	1.9%
Jackson	\$76	\$27	\$16	\$119	2.9%

Figure 9. Direct Manufacturing (NAICS 31-33) Share of Regional GDP Percent

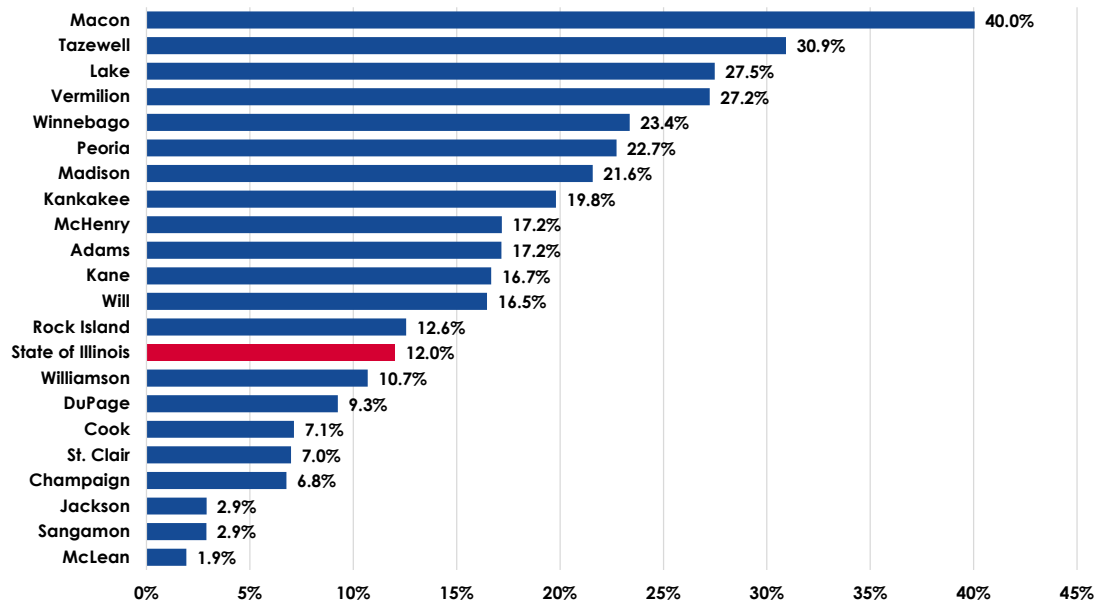
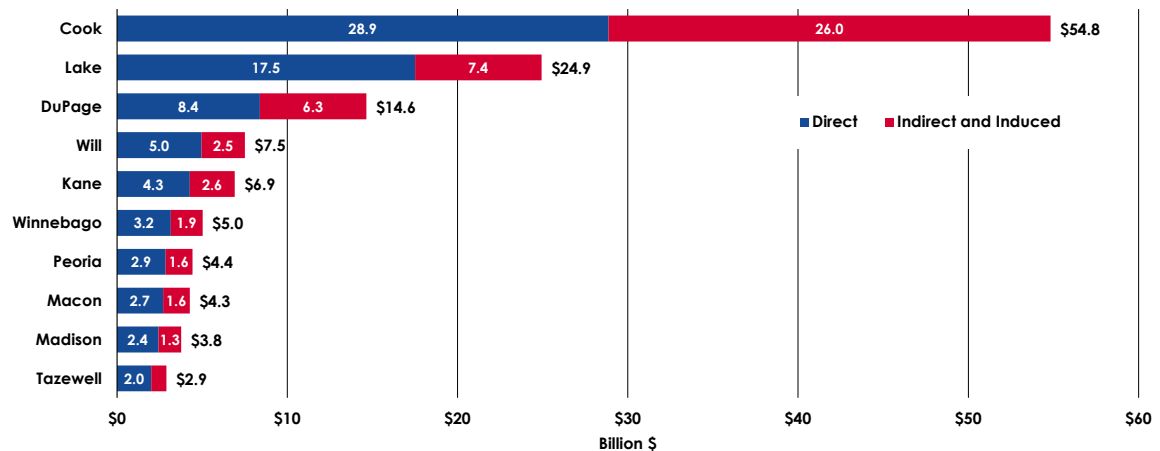


Figure 10. Total Manufacturing (NAICS 31-33) Value Added Impacts, Top 10 Counties Billion Dollars



Output

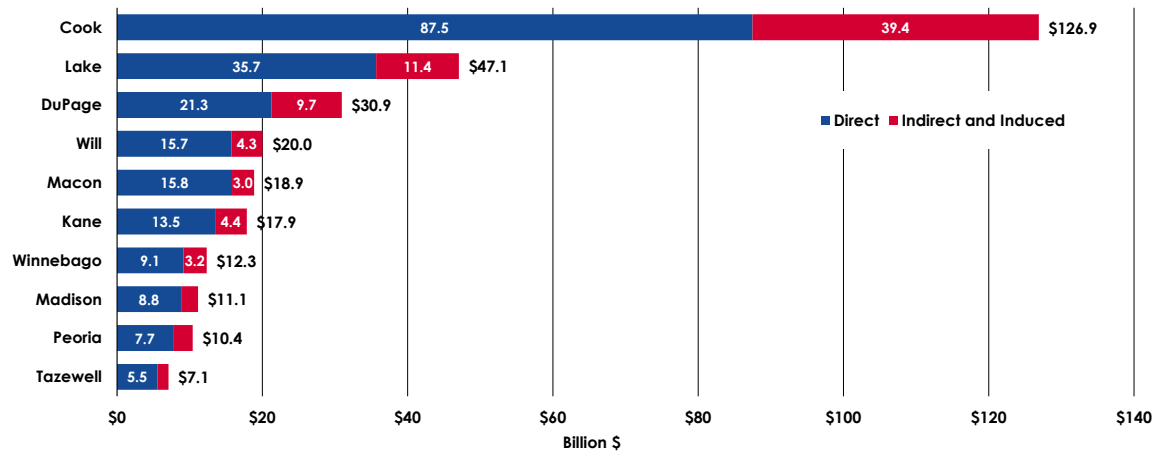
As mentioned in Section 2 of the report, output is the total value of all goods and services produced in an industry. It includes both intermediate and final demand. Table 9 shows manufacturing's direct, indirect, and induced output by county. Cook County total output sums to \$127 billion. Direct output made up 69% of the total, indirect output accounted for 17%, and induced comprised the remaining 14%. These shares are roughly similar for all counties analyzed.

Figure 8 illustrates the top ten counties, ranked by total manufacturing output. These counties account for 72% of direct manufacturing output and 65% of overall output.

Table 9. Total Manufacturing (NAICS 31-33), County-Level Output Impacts
Million Dollars

Region	Direct	Indirect	Induced	Total
State of Illinois	\$304,833	\$85,767	\$76,502	\$467,102
Cook	\$87,472	\$21,383	\$18,023	\$126,877
Lake	\$35,664	\$5,826	\$5,573	\$47,062
DuPage	\$21,258	\$4,718	\$4,954	\$30,931
Will	\$15,739	\$2,592	\$1,702	\$20,032
Macon	\$15,823	\$2,169	\$866	\$18,858
Kane	\$13,501	\$2,230	\$2,127	\$17,858
Winnebago	\$9,137	\$1,393	\$1,802	\$12,332
Madison	\$8,825	\$1,470	\$843	\$11,138
Peoria	\$7,703	\$1,363	\$1,341	\$10,407
Tazewell	\$5,546	\$870	\$675	\$7,090
McHenry	\$5,458	\$893	\$728	\$7,078
Vermilion	\$3,749	\$652	\$298	\$4,700
Rock Island	\$3,691	\$385	\$316	\$4,391
Kankakee	\$3,308	\$534	\$377	\$4,219
St. Clair	\$2,987	\$598	\$400	\$3,985
Champaign	\$2,703	\$410	\$329	\$3,441
Adams	\$2,253	\$412	\$343	\$3,008
Sangamon	\$1,043	\$204	\$165	\$1,413
McLean	\$1,070	\$180	\$139	\$1,389
Williamson	\$1,053	\$168	\$130	\$1,351
Jackson	\$333	\$54	\$28	\$415

Figure 11. Total Manufacturing (NAICS 31-33) Output Impacts, Top 10 Counties
Billion Dollars



4. Summary and Main Findings

Illinois' manufacturing industry plays an essential role in the state economy. Manufacturing activity generates over \$300 billion in output and accounts for 12% of Illinois GDP. Manufacturing firms directly employ over 590,000 workers and provide over \$52 billion in labor income. On a per-worker basis, this works out to an average of nearly \$89,000 per job.

Illinois' manufacturers directly contribute 12% of state GDP.

Manufacturing's contribution to the state economy grows in significance when upstream supply-chain (indirect) and income-related (induced) effects are considered. For instance, one manufacturing job helps support 1.6 other jobs in the state economy. Additionally, one dollar in manufacturing output generates \$0.53 in output elsewhere in the state economy.

One manufacturing job helps support 1.6 other jobs in the state economy.

This report also analyzed three major manufacturing sub-sectors. The total (direct + indirect + induced) impacts of Illinois' motor vehicle and parts manufacturing industry include over 110,000 jobs, close to \$8 billion in labor income, and over \$40 billion in output. Similarly, Illinois' food manufacturers help support over 335,000 jobs, \$21 billion in labor income, and nearly \$107 billion in output. Pharmaceuticals and medical equipment manufacturers, meanwhile, help to contribute over 145,000 jobs, roughly \$14 billion in labor income, and over \$50 billion in output.

For many counties in Illinois, manufacturing is critical to its economic vitality. For instance, direct manufacturing activity accounts for 40% of Macon County's GDP. Manufacturing is also well represented Tazewell (30.9%), Lake (27.5%), and Vermillion (27.2%) counties. In level terms, Chicago-area counties (Cook, Lake, DuPage, Will, and Kane) rank highest in employment, labor income, value-added, and output.



Appendix A – State and County Fact Sheets

Appendix A contains Fact Sheets which provide additional information for specific industries and counties. All data was sourced from IMPLAN and applies to the year 2017.

At the state-level, Fact Sheets are provided for the following industry segments:

- Total Manufacturing (NAICS 31-33)
- Automobile and Parts Manufacturing (NAICS 3361, 3362, 3363)
- Food & Beverage Manufacturing (NAICS 311, 3121)
- Pharmaceutical & Medical Equipment Manufacturing (NAICS 3254, 334510, 3391)

Additionally, Fact Sheets displaying the economic contribution of Total Manufacturing (NAICS 31-33) are provided for the 21 counties listed below:

- | | | |
|-------------|---------------|--------------|
| • Adams | • Lake | • Sangamon |
| • Champaign | • Macon | • St. Clair |
| • Cook | • Madison | • Tazewell |
| • DuPage | • McHenry | • Vermilion |
| • Jackson | • McLean | • Will |
| • Kane | • Peoria | • Williamson |
| • Kankakee | • Rock Island | • Winnebago |

At the top of each fact sheet are general facts about the region. These pertain to the entire economy, helping to give perspective to the manufacturing impacts listed underneath.


The second block provides headline numbers (employment, labor income, value added, and output) describing the industry's direct economic effects. Additionally, manufacturing's share of regional GDP is provided. This is calculated by dividing direct manufacturing value added by the gross regional product listed at the top of the Fact Sheet. Labor income per worker is derived by dividing manufacturing labor income by employment.

The table titled 'Direct, Indirect, and Induced Impacts' describes manufacturing's direct activity, the impacts of upstream suppliers (indirect), and associated income-related (induced) effects.

Next, two different multipliers are provided. Economic multipliers describe the ratio of the sum of indirect and induced impacts to direct impacts. For employment multipliers, take the sum of indirect and induced employment and divide it by direct employment. Similarly, output multipliers can be calculated by adding indirect and induced output together and dividing it by direct output.


Finally, county-level Fact Sheets also list the top three manufacturing sub-industries ranked by output.

Fact Sheet 1. State of Illinois, Total Manufacturing (NAICS 31-33)



Region Facts

- **Population:** 12.8 million
- **Land Area:** 55,593 square miles
- **Gross Regional Product:** \$825.1 billion
- **Employment:** 7.9 million
- **Employee Compensation:** \$447.9 billion



Total Manufacturing (NAICS 31-33) Economic Contribution

Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
592.2	\$52.5	\$99.1	\$304.8

Manufacturing Share of State GDP	Manufacturing Income Per Worker
12.0%	\$88,691

Direct, Indirect, & Induced Impacts

	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
Direct ¹	592.2	52.5	99.1	304.8
Indirect ²	434.3	32.3	52.0	85.8
Induced ³	525.1	27.9	48.5	76.5
Total	1,551.7	112.7	199.6	467.1

Employment Multiplier	Output Multiplier
One manufacturing job helps support 1.6 other jobs in the state economy.	One dollar in manufacturing output generates \$0.53 elsewhere in the state economy.

Source: IMPLAN and INFORUM

Year: 2017

Notes:


1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 1. State of Illinois, Total Manufacturing (NAICS 31-33) [CONTINUED]

Top 10 Manufacturing Industries by Output		
Rank	Industry	Output (Billion \$)
1	Food Manufacturing (NAICS 311)	\$59.2
2	Chemical Manufacturing (NAICS 325)	\$48.1
3	Machinery Manufacturing (NAICS 333)	\$32.0
4	Transportation Equipment Manufacturing (NAICS 336)	\$30.7
5	Fabricated Metal Product Manufacturing (NAICS 332)	\$24.2
6	Petroleum and Coal Product Manufacturing (NAICS 324)	\$22.9
7	Plastics and Rubber Products Manufacturing (NAICS 326)	\$15.9
8	Computer and Other Electronics Manufacturing (NAICS 334)	\$11.1
9	Miscellaneous Manufacturing (NAICS 339)	\$10.0
10	Primary Metal Manufacturing (NAICS 331)	\$9.5
Top 10 Manufacturing Industries by Employment		
Rank	Industry	Employment (1,000 Persons)
1	Food Manufacturing (NAICS 311)	93.0
2	Fabricated Metal Product Manufacturing (NAICS 332)	91.7
3	Machinery Manufacturing (NAICS 333)	71.4
4	Plastics and Rubber Products Manufacturing (NAICS 326)	43.5
5	Chemical Manufacturing (NAICS 325)	43.0
6	Transportation Equipment Manufacturing (NAICS 336)	42.2
7	Miscellaneous Manufacturing (NAICS 339)	31.0
8	Printing and Related Support Activities (NAICS 323)	30.2
9	Computer and Other Electronics Manufacturing (NAICS 334)	27.7
10	Electrical Equip., Appliance, and Components (NAICS 335)	22.5


Fact Sheet 2. State of Illinois, Motor Vehicle and Parts Manufacturing (NAICS 3361, 3362, & 3363)

State of Illinois



Region Facts

- **Population:** 12.8 million
- **Land Area:** 55,593 square miles
- **Gross Regional Product:** \$825.1 billion
- **Employment:** 7.9 million
- **Employee Compensation:** \$447.9 billion



Motor Vehicle & Parts Manufacturing Economic Contribution (NAICS 3361, 3362, & 3363)

Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
36.6	\$2.9	\$4.8	\$27.7

Industry's Share of State GDP	Industry's Income Per Worker
0.6%	\$78,473

Direct, Indirect, & Induced Impacts

	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
Direct ¹	36.6	2.9	4.8	27.7
Indirect ²	36.4	3.0	4.8	8.1
Induced ³	37.3	1.9	3.4	5.6
Total	110.3	7.8	12.9	41.4

Employment Multiplier	Output Multiplier
One manufacturing job in this industry helps support 2.0 other jobs in the state economy.	One dollar of this industry's output generates \$0.49 elsewhere in the state economy.

Source: IMPLAN and INFORUM


Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.


Fact Sheet 3. State of Illinois, Food and Beverage Manufacturing (NAICS 311 & 3121)

State of Illinois



Region Facts

- **Population:** 12.8 million
- **Land Area:** 55,593 square miles
- **Gross Regional Product:** \$825.1 billion
- **Employment:** 7.9 million
- **Employee Compensation:** \$447.9 billion



Food & Beverage Manufacturing Economic Contribution (NAICS 311 & 3121)

Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
100.9	\$6.9	\$13.7	\$64.2

Industry's Share of State GDP	Industry's Income Per Worker
1.7%	\$68,170

Direct, Indirect, & Induced Impacts

	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
Direct ¹	100.9	6.9	13.7	64.2
Indirect ²	135.3	9.0	14.9	27.8
Induced ³	99.5	5.1	9.1	14.9
Total	335.7	21.0	37.7	106.9

Employment Multiplier	Output Multiplier
One manufacturing job in this industry helps support 2.3 other jobs in the state economy.	One dollar of this industry's output generates \$0.67 elsewhere in the state economy.

Source: IMPLAN and INFORUM

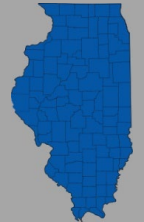
Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.


Fact Sheet 4. State of Illinois, Pharmaceuticals & Medical Manufacturing (NAICS 3254, 334510, & 3391)

State of Illinois



Region Facts

- **Population:** 12.8 million
- **Land Area:** 55,593 square miles
- **Gross Regional Product:** \$825.1 billion
- **Employment:** 7.9 million
- **Employee Compensation:** \$447.9 billion



Pharmaceuticals & Medical Equipment Manufacturing Economic Contribution (NAICS 3254, 334510, & 3391)

Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
30.3	\$5.8	\$15.4	\$30.2

Industry's Share of State GDP	Industry's Income Per Worker
1.9%	\$190,953

Direct, Indirect, & Induced Impacts

	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
Direct ¹	30.3	5.8	15.4	30.2
Indirect ²	51.0	4.6	6.6	10.8
Induced ³	65.0	3.3	5.9	9.7
Total	146.3	13.7	27.9	50.8

Employment Multiplier	Output Multiplier
One manufacturing job in this industry helps support 3.8 other jobs in the state economy.	One dollar of this industry's output generates \$0.68 elsewhere in the state economy.


Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 5. Adams County, Total Manufacturing (NAICS 31-33)

Adams County, Illinois				
	Region Facts <ul style="list-style-type: none">• Population: 66,234• Land Area: 857 square miles• Gross Regional Product: \$3.4 billion• Employment: 27,976• Employee Compensation: \$1.8 billion			
	Total Manufacturing (NAICS 31-33) Economic Contribution			
Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)	
5,055	\$360.4	\$575.8	\$2,253.2	
Manufacturing Share of County GDP		Manufacturing Income Per Worker		
17.2%		\$71,285		
Direct, Indirect, & Induced Impacts				
	Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)
Direct ¹	5,055	360.4	575.8	2,253.2
Indirect ²	2,431	126.1	227.8	412.2
Induced ³	2,673	112.9	194.8	342.7
Total	10,160	599.4	998.4	3,008.0
Employment Multiplier			Output Multiplier	
One manufacturing job helps support 1.0 other jobs in the county economy.			One dollar in manufacturing output generates \$0.33 elsewhere in the county economy.	
Top 3 Manufacturing Industries by Output				
1. Machinery Manufacturing (NAICS 333) 2. Food Manufacturing (NAICS 311) 3. Transportation Equipment Manufacturing (NAICS 336)				



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 6. Champaign County, Total Manufacturing (NAICS 31-33)

Champaign County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 209,399• Land Area: 997 square miles• Gross Regional Product: \$11.8 billion• Employment: 128,824• Employee Compensation: \$6.4 billion				
	Total Manufacturing (NAICS 31-33) Economic Contribution				
Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)		
6,804	\$433.0	\$802.2	\$2,702.6		
Manufacturing Share of County GDP			Manufacturing Income Per Worker		
6.8%			\$63,641		
Direct, Indirect, & Induced Impacts					
	Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)	
Direct¹	6,804	433.0	802.2	2,702.6	
Indirect²	2,630	131.5	229.0	409.6	
Induced³	2,295	119.6	207.0	328.9	
Total	11,730	684.2	1,238.2	3,441.2	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 0.7 other jobs in the county economy.			One dollar in manufacturing output generates \$0.27 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Food Manufacturing (NAICS 311) 2. Plastics and Rubber Products Manufacturing (NAICS 326) 3. Transportation Equipment Manufacturing (NAICS 336)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 7. Cook County, Total Manufacturing (NAICS 31-33)

Cook County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 5,211,263• Land Area: 946 square miles• Gross Regional Product: \$404.5 billion• Employment: 3,559,558• Employee Compensation: \$223.7 billion				
Total Manufacturing (NAICS 31-33) Economic Contribution					
Employment (Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)		
192,458	\$16.6	\$28.9	\$87.5		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
7.1%		\$86,130			
Direct, Indirect, & Induced Impacts					
	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)	
Direct ¹	192.5	16.6	28.9	87.5	
Indirect ²	104.8	9.0	14.0	21.4	
Induced ³	120.0	7.1	12.0	18.0	
Total	417.3	32.7	54.8	126.9	
Employment Multiplier		Output Multiplier			
One manufacturing job helps support 1.2 other jobs in the county economy.		One dollar in manufacturing output generates \$0.45 elsewhere in the county economy.			
Top 3 Manufacturing Industries by Output					
1. Food Manufacturing (NAICS 311) 2. Transportation Equipment Manufacturing (NAICS 336) 3. Chemical Manufacturing (NAICS 325)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 8. DuPage County, Total Manufacturing (NAICS 31-33)

DuPage County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 930,128• Land Area: 334 square miles• Gross Regional Product: \$90.6 billion• Employment: 795,672• Employee Compensation: \$51.5 billion				
Total Manufacturing (NAICS 31-33) Economic Contribution					
Employment (Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)		
56,013	\$5.2	\$8.4	\$21.3		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
9.3%		\$92,104			
Direct, Indirect, & Induced Impacts					
	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)	
Direct ¹	56.0	5.2	8.4	21.3	
Indirect ²	22.8	2.0	3.1	4.7	
Induced ³	33.2	1.8	3.2	5.0	
Total	112.0	9.0	14.6	30.9	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 1.0 other jobs in the county economy.			One dollar in manufacturing output generates \$0.45 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Chemical Manufacturing (NAICS 325) 2. Fabricated Metal Product Manufacturing (NAICS 332) 3. Food Manufacturing (NAICS 311)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 9. Jackson County, Total Manufacturing (NAICS 31-33)

Jackson County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 58,284• Land Area: 588 square miles• Gross Regional Product: \$2.6 billion• Employment: 35,545• Employee Compensation: \$1.6 billion				
	Total Manufacturing (NAICS 31-33) Economic Contribution				
Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)		
996	\$48.6	\$75.7	\$332.6		
Manufacturing Share of County GDP			Manufacturing Income Per Worker		
2.9%			\$48,784		
Direct, Indirect, & Induced Impacts					
	Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)	
Direct¹	996	48.6	75.7	332.6	
Indirect²	350	16.6	27.4	54.2	
Induced³	234	9.5	16.1	28.1	
Total	1,581	74.6	119.2	414.9	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 0.6 other jobs in the county economy.			One dollar in manufacturing output generates \$0.25 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Primary Metal Manufacturing (NAICS 331) 2. Plastic and Rubber Products Manufacturing (NAICS 326) 3. Food Manufacturing (NAICS 311)					

Source: IMPLAN and INFORUM


Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.


Fact Sheet 10. Kane County, Total Manufacturing (NAICS 31-33)

Kane County, Illinois



Region Facts

- **Population:** 534,667
- **Land Area:** 521 square miles
- **Gross Regional Product:** \$25.6 billion
- **Employment:** 266,792
- **Employee Compensation:** \$13.6 billion



Total Manufacturing (NAICS 31-33) Economic Contribution

Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
34.2	\$2.6	\$4.3	\$13.5

Manufacturing Share of County GDP	Manufacturing Income Per Worker
16.7%	\$75,032

Direct, Indirect, & Induced Impacts

	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
Direct ¹	34.2	2.6	4.3	13.5
Indirect ²	12.5	0.8	1.4	2.2
Induced ³	15.5	0.7	1.3	2.1
Total	62.2	4.1	6.9	17.9

Employment Multiplier	Output Multiplier
One manufacturing job helps support 0.8 other jobs in the county economy.	One dollar in manufacturing output generates \$0.32 elsewhere in the county economy.

Top 3 Manufacturing Industries by Output

1. Food Manufacturing (NAICS 311)
2. Chemical Manufacturing (NAICS 325)
3. Plastic and Rubber Products Manufacturing (NAICS 326)



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 11. Kankakee County, Total Manufacturing (NAICS 31-33)

Kankakee County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 109,605• Land Area: 678 square miles• Gross Regional Product: \$4.2 billion• Employment: 57,271• Employee Compensation: \$2.4 billion				
Total Manufacturing (NAICS 31-33) Economic Contribution					
Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)		
5,778	\$468.2	\$831.8	\$3,307.9		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
19.8%		\$81,026			
Direct, Indirect, & Induced Impacts					
	Employment (1,000 Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)	
Direct ¹	5,778	468.2	831.8	3,307.9	
Indirect ²	3,879	166.9	286.6	534.2	
Induced ³	3,342	120.4	213.2	377.1	
Total	12,999	755.5	1,331.6	4,219.2	
Employment Multiplier		Output Multiplier			
One manufacturing job helps support 1.2 other jobs in the county economy.		One dollar in manufacturing output generates \$0.28 elsewhere in the county economy.			
Top 3 Manufacturing Industries by Output					
1. Chemical Manufacturing (NAICS 325) 2. Food Manufacturing (NAICS 311) 3. Primary Metal Manufacturing (NAICS 331)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 12. Lake County, Total Manufacturing (NAICS 31-33)

Lake County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 703,520• Land Area: 448 square miles• Gross Regional Product: \$63.7 billion• Employment: 471,431• Employee Compensation: \$33.4 billion				
Total Manufacturing (NAICS 31-33) Economic Contribution					
Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)		
50.7	\$7.5	\$17.5	\$35.7		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
27.5%		\$146,877			
Direct, Indirect, & Induced Impacts					
	Employment (1,000 Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)	
Direct ¹	50.7	7.5	17.5	35.7	
Indirect ²	27.9	2.5	3.8	5.8	
Induced ³	37.4	2.1	3.6	5.6	
Total	116.0	12.0	24.9	47.1	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 1.3 other jobs in the county economy.			One dollar in manufacturing output generates \$0.32 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Chemical Manufacturing (NAICS 325) 2. Miscellaneous Manufacturing (NAICS 339) 3. Plastics and Rubber Products Manufacturing (NAICS 326)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 13. Macon County, Total Manufacturing (NAICS 31-33)

Macon County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 105,801• Land Area: 581 square miles• Gross Regional Product: \$6.7 billion• Employment: 64,660• Employee Compensation: \$3.3 billion				
Total Manufacturing (NAICS 31-33) Economic Contribution					
Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)		
11.3	\$1.1	\$2.7	\$15.8		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
40.0%		\$101,758			
Direct, Indirect, & Induced Impacts					
	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)	
Direct ¹	11.3	1.1	2.7	15.8	
Indirect ²	12.5	0.6	1.1	2.2	
Induced ³	7.3	0.3	0.5	0.9	
Total	31.1	2.1	4.3	18.9	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 1.8 other jobs in the county economy.			One dollar in manufacturing output generates \$0.19 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Food Manufacturing (NAICS 311) 2. Machinery Manufacturing (NAICS 333) 3. Chemical Manufacturing (NAICS 325)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 14. Madison County, Total Manufacturing (NAICS 31-33)

Madison County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 125,412• Land Area: 725 square miles• Gross Regional Product: \$11.3 billion• Employment: 125,412• Employee Compensation: \$5.7 billion				
	Total Manufacturing (NAICS 31-33) Economic Contribution				
Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)		
9.9	\$0.9	\$2.4	\$8.8		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
21.6%		\$95,544			
Direct, Indirect, & Induced Impacts					
	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)	
Direct¹	9.9	0.9	2.4	8.8	
Indirect²	9.1	0.5	0.8	1.5	
Induced³	6.8	0.3	0.5	0.8	
Total	25.9	1.7	3.8	11.1	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 1.6 other jobs in the county economy.			One dollar in manufacturing output generates \$0.26 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Petroleum and Coal Products Manufacturing (NAICS 324) 2. Primary Metal Manufacturing (NAICS 331) 3. Fabricated Metal Product Manufacturing (NAICS 332)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 15. McHenry County, Total Manufacturing (NAICS 31-33)

McHenry County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 309,122• Land Area: 604 square miles• Gross Regional Product: \$10.7 billion• Employment: 143,849• Employee Compensation: \$5.7 billion				
Total Manufacturing (NAICS 31-33) Economic Contribution					
Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)		
15.3	\$1.1	\$1.8	\$5.5		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
17.2%		\$72,782			
Direct, Indirect, & Induced Impacts					
	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)	
Direct ¹	15.3	1.1	1.8	5.5	
Indirect ²	6.1	0.3	0.5	0.9	
Induced ³	6.2	0.2	0.4	0.7	
Total	27.6	1.6	2.7	7.1	
Employment Multiplier		Output Multiplier			
One manufacturing job helps support 0.8 other jobs in the county economy.		One dollar in manufacturing output generates \$0.30 elsewhere in the county economy.			
Top 3 Manufacturing Industries by Output					
1. Plastics and Rubber Products Manufacturing (NAICS 326)					
2. Machinery Manufacturing (NAICS 333)					
3. Fabricated Metal Product Manufacturing (NAICS 332)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 16. McLean County, Total Manufacturing (NAICS 31-33)

McLean County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 172,290• Land Area: 1,184 square miles• Gross Regional Product: \$14.8 billion• Employment: 108,344• Employee Compensation: \$5.8 billion				
	Total Manufacturing (NAICS 31-33) Economic Contribution				
Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)		
3,384	\$179.6	\$286.5	\$1,070.0		
Manufacturing Share of County GDP			Manufacturing Income Per Worker		
1.9%			\$53,074		
Direct, Indirect, & Induced Impacts					
	Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)	
Direct¹	3,384	179.6	286.5	1,070.0	
Indirect²	1,019	60.0	101.3	180.2	
Induced³	1,096	46.8	85.3	139.3	
Total	5,499	286.4	473.1	1,389.4	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 0.6 other jobs in the county economy.			One dollar in manufacturing output generates \$0.30 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Food Manufacturing (NAICS 311) 2. Plastics and Rubber Products Manufacturing (NAICS 326) 3. Printing and Related Support (NAICS 323)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 17. Peoria County, Total Manufacturing (NAICS 31-33)

Peoria County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 183,011• Land Area: 620 square miles• Gross Regional Product: \$12.6 billion• Employment: 124,646• Employee Compensation: \$7.6 billion				
	Total Manufacturing (NAICS 31-33) Economic Contribution				
Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)		
12.1	\$1.6	\$2.9	\$7.7		
Manufacturing Share of County GDP			Manufacturing Income Per Worker		
22.7%			\$132,276		
Direct, Indirect, & Induced Impacts					
	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)	
Direct ¹	12.1	1.6	2.9	7.7	
Indirect ²	7.5	0.5	0.8	1.4	
Induced ³	9.9	0.5	0.8	1.3	
Total	29.5	2.6	4.4	10.4	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 1.4 other jobs in the county economy.			One dollar in manufacturing output generates \$0.35 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Machinery Manufacturing (NAICS 333) 2. Primary Metal Manufacturing (NAICS 331) 3. Chemical Manufacturing (NAICS 325)					

Source: IMPLAN and INFORUM


Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.


Fact Sheet 18. Rock Island County, Total Manufacturing (NAICS 31-33)

Rock Island County, Illinois



Region Facts

- **Population:** 144,808
- **Land Area:** 427 square miles
- **Gross Regional Product:** \$9.1 billion
- **Employment:** 90,517
- **Employee Compensation:** \$5.7 billion



Total Manufacturing (NAICS 31-33) Economic Contribution

Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
8.8	\$0.7	\$1.1	\$3.7

Manufacturing Share of County GDP	Manufacturing Income Per Worker
12.6%	\$76,333

Direct, Indirect, & Induced Impacts

	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)
Direct ¹	8.8	0.7	1.1	3.7
Indirect ²	2.2	0.2	0.2	0.4
Induced ³	2.6	0.1	0.2	0.3
Total	13.6	0.9	1.6	4.4

Employment Multiplier	Output Multiplier
One manufacturing job helps support 0.5 other jobs in the county economy.	One dollar in manufacturing output generates \$0.19 elsewhere in the county economy.

Top 3 Manufacturing Industries by Output

1. Machinery Manufacturing (NAICS 333)
2. Food Manufacturing (NAICS 311)
3. Chemical Manufacturing (NAICS 325)



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 19. Sangamon County, Total Manufacturing (NAICS 31-33)

Sangamon County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 196,452• Land Area: 868 square miles• Gross Regional Product: \$11.1 billion• Employment: 128,652• Employee Compensation: \$6.6 billion				
Total Manufacturing (NAICS 31-33) Economic Contribution					
Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)		
2,958	\$180.2	\$320.6	\$1,043.4		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
2.9%		\$60,900			
Direct, Indirect, & Induced Impacts					
	Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)	
Direct¹	2,958	180.2	320.6	1,043.4	
Indirect²	1,160	73.0	123.1	204.3	
Induced³	1,249	58.3	99.2	165.0	
Total	5,367	311.4	542.8	1,412.7	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 0.8 other jobs in the county economy.			One dollar in manufacturing output generates \$0.35 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Machinery Manufacturing (NAICS 333) 2. Food Manufacturing (NAICS 311) 3. Chemical Manufacturing (NAICS 325)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 20. St. Clair County, Total Manufacturing (NAICS 31-33)

St. Clair County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 262,479• Land Area: 664 square miles• Gross Regional Product: \$10.7 billion• Employment: 138,094• Employee Compensation: \$6.4 billion				
Total Manufacturing (NAICS 31-33) Economic Contribution					
Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)		
6,174	\$428.1	\$749.3	\$2,986.6		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
7.0%		\$69,329			
Direct, Indirect, & Induced Impacts					
	Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)	
Direct ¹	6,174	428.1	749.3	2,986.6	
Indirect ²	4,219	160.0	293.1	598.5	
Induced ³	3,440	133.2	224.1	399.7	
Total	13,834	721.2	1,266.5	3,984.7	
Employment Multiplier		Output Multiplier			
One manufacturing job helps support 1.2 other jobs in the county economy.		One dollar in manufacturing output generates \$0.33 elsewhere in the county economy.			
Top 3 Manufacturing Industries by Output					
1. Chemical Manufacturing (NAICS 325) 2. Food Manufacturing (NAICS 311) 3. Machinery Manufacturing (NAICS 333)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 21. Tazewell County, Total Manufacturing (NAICS 31-33)

Tazewell County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 133,526• Land Area: 649 square miles• Gross Regional Product: \$6.5 billion• Employment: 66,823• Employee Compensation: \$3.4 billion				
	Total Manufacturing (NAICS 31-33) Economic Contribution				
Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)		
9.3	\$1.1	\$2.0	\$5.5		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
30.9%		\$122,494			
Direct, Indirect, & Induced Impacts					
	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)	
Direct¹	9.3	1.1	2.0	5.5	
Indirect²	5.4	0.3	0.5	0.9	
Induced³	5.3	0.2	0.4	0.7	
Total	20.0	1.6	2.9	7.1	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 1.2 other jobs in the county economy.			One dollar in manufacturing output generates \$0.28 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Machinery Manufacturing (NAICS 333) 2. Chemical Manufacturing (NAICS 325) 3. Transportation Equipment Manufacturing (NAICS 336)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 22. Vermilion County, Total Manufacturing (NAICS 31-33)

Vermilion County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 77,909• Land Area: 899 square miles• Gross Regional Product: \$3.2 billion• Employment: 36,143• Employee Compensation: \$1.6 billion				
Total Manufacturing (NAICS 31-33) Economic Contribution					
Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)		
5,374	\$394.6	\$861.0	\$3,749.2		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
27.2%		\$73,425			
Direct, Indirect, & Induced Impacts					
	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)	
Direct ¹	5,374	394.6	861.0	3,749.2	
Indirect ²	4,207	194.1	343.9	652.1	
Induced ³	2,391	91.8	170.3	298.3	
Total	11,971	680.5	1,375.2	4,699.6	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 1.2 other jobs in the county economy.			One dollar in manufacturing output generates \$0.25 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Food Manufacturing (NAICS 311)					
2. Transportation Equipment Manufacturing (NAICS 336)					
3. Petroleum and Coal Products Manufacturing (NAICS 324)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 23. Will County, Total Manufacturing (NAICS 31-33)

Will County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 692,661• Land Area: 837 square miles• Gross Regional Product: \$30.1 billion• Employment: 322,585• Employee Compensation: \$15.3 billion				
	Total Manufacturing (NAICS 31-33) Economic Contribution				
Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)		
22.4	\$2.1	\$5.0	\$15.7		
Manufacturing Share of County GDP			Manufacturing Income Per Worker		
16.5%			\$93,697		
Direct, Indirect, & Induced Impacts					
	Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)	
Direct¹	22.4	2.1	5.0	15.7	
Indirect²	15.7	0.9	1.5	2.6	
Induced³	13.4	0.5	1.0	1.7	
Total	51.5	3.5	7.5	20.0	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 1.3 other jobs in the county economy.			One dollar in manufacturing output generates \$0.27 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Petroleum and Coal Products Manufacturing (NAICS 324) 2. Chemical Manufacturing (NAICS 325) 3. Food Manufacturing (NAICS 311)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 24. Williamson County, Total Manufacturing (NAICS 31-33)

Williamson County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 67,328• Land Area: 424 square miles• Gross Regional Product: \$3.0 billion• Employment: 37,522• Employee Compensation: \$1.5 billion				
	Total Manufacturing (NAICS 31-33) Economic Contribution				
Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)		
2,643	\$155.4	\$316.9	\$1,053.3		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
10.7%		\$58,798			
Direct, Indirect, & Induced Impacts					
	Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)	
Direct¹	2,643	155.4	316.9	1,053.3	
Indirect²	1,119	48.4	88.4	168.2	
Induced³	1,077	40.7	72.1	129.6	
Total	4,839	244.5	477.5	1,351.1	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 0.8 other jobs in the county economy.			One dollar in manufacturing output generates \$0.28 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Beverage and Tobacco Product Manufacturing (NAICS 312)					
2. Fabricated Metal Product Manufacturing (NAICS 332)					
3. Computer and Electronic Peripheral Equipment Manufacturing (NAICS 334)					



Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.

Fact Sheet 25. Winnebago County, Total Manufacturing (NAICS 31-33)

Winnebago County, Illinois					
	Region Facts <ul style="list-style-type: none">• Population: 284,778• Land Area: 514 square miles• Gross Regional Product: \$13.5 billion• Employment: 157,717• Employee Compensation: \$7.9 billion				
Total Manufacturing (NAICS 31-33) Economic Contribution					
Employment (1,000 Persons)	Labor Income (Billion \$)	Value Added (Billion \$)	Output (Billion \$)		
24.2	\$2.0	\$3.2	\$9.1		
Manufacturing Share of County GDP		Manufacturing Income Per Worker			
23.4%		\$82,136			
Direct, Indirect, & Induced Impacts					
	Employment (Persons)	Labor Income (Million \$)	Value Added (Million \$)	Output (Million \$)	
Direct ¹	24.2	2.0	3.2	9.1	
Indirect ²	8.8	0.5	0.8	1.4	
Induced ³	14.4	0.6	1.1	1.8	
Total	47.4	3.1	5.0	12.3	
Employment Multiplier			Output Multiplier		
One manufacturing job helps support 1.0 other jobs in the county economy.			One dollar in manufacturing output generates \$0.35 elsewhere in the county economy.		
Top 3 Manufacturing Industries by Output					
1. Machinery Manufacturing (NAICS 333) 2. Transportation Equipment Manufacturing (NAICS 336) 3. Fabricated Metal Product Manufacturing (NAICS 332)					

Source: IMPLAN and INFORUM

Year: 2017

Notes:

1. Direct economic impacts are the activity directly associated with the focus industry.
2. Indirect economic impacts are the upstream activity that supplies inputs to the focus industry.
3. Induced economic impacts are the economic activity associated with the spending of labor income and profits generated by direct and indirect activity.