Biopharmaceuticals

This cluster produces complex chemical and biological substances used in medications, vaccines, diagnostic tests, and similar medical applications. The technical report, *Metropolitan Chicago’s traded industry clusters*, offers extensive data on the characteristics and performance of the Chicago region’s core industrial assets since 2001, available for download at [https://cmap.is/Traded-Clusters](https://cmap.is/Traded-Clusters).

In the Chicago region in 2017, this cluster consisted of

$13.2 billion total output

16,900 jobs

80 establishments

+107% more jobs than national average

Workers in this cluster tend to be less racially diverse than the regional labor force.

38% non-white

49% female

32% over age 50

In recent years, the cluster’s competitive position held steady as it remained specialized in the national context.

Middle-skill workers have greater opportunity than the regional average.

$35,762

$35,762

25th wage percentile

$59,297

$59,297

50th wage percentile

$75,433

$75,433

75th wage percentile

74% of workers have an associate’s degree or higher

38% of jobs typically require at least 2 months of on-the-job training

In 2016, this cluster generated approximately

$44.0 billion

in freight shipments that originate, terminate, or circulate regionally.

Workers in this cluster tend to be less racially diverse than the regional labor force.

38% non-white

49% female

32% over age 50

4% commute by transit

Freight mode share, by value

<table>
<thead>
<tr>
<th></th>
<th>Truck</th>
<th>Multimodal</th>
<th>Rail</th>
</tr>
</thead>
<tbody>
<tr>
<td>57%</td>
<td></td>
<td></td>
<td>2%</td>
</tr>
</tbody>
</table>

Freight trade geography, by value

<table>
<thead>
<tr>
<th></th>
<th>Chicago region</th>
<th>Midwest</th>
<th>Rest of U.S.</th>
<th>Global</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>Chicago region</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32%</td>
<td></td>
<td>34%</td>
<td></td>
<td>9%</td>
</tr>
</tbody>
</table>

Source: CMAP analysis of Economic Modeling Specialists International data (Emsi 2018.4).

Note: Job change is from 2001-17, and total output change is from 2007-17.


Source: CMAP analysis of Freight Analysis Framework data (FAF 4.4.1). Note: Data includes only the Illinois portion of the U.S. Census Bureau combined statistical area. Freight data is not provided for service clusters.