Computer Technology

This cluster manufactures information technology and analytical products like computers, software, audio visual equipment, laboratory instruments, and related standard and precision electronics like circuit boards. 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.

In the Chicago region in 2017, this cluster consisted of

$5.0 billion
total output

21,500
jobs

990
establishments

-38%
fewer jobs than national average
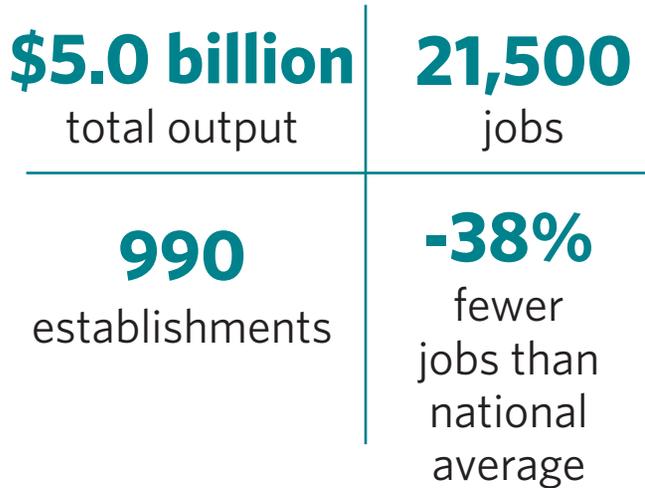
Source: CMAP analysis of Economic Modeling Specialists International data (Emsi 2018.4).

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

38% non-white
30% female
41% over age 50

7%
commute by transit

Source: CMAP analysis of Integrated Public Use Microdata Series, 2017 American Community Survey data.

Largest occupations

Application Developers
Electrical Assemblers
Fabricators
IT Systems Developers
Industrial Engineers

In recent years, the cluster's competitive position **held steady** as it remained **unspecialized** in the national context.

-39%
jobs

+17%
total output

Chicago

-28%
jobs

+19%
total output

Boston

-13%
jobs

+54%
total output

San Francisco
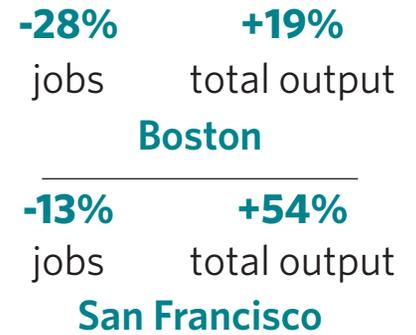
Source: CMAP analysis of Economic Modeling Specialists International data (Emsi 2018.4).
Note: Job change is from 2001-17, and total output change is from 2007-17.

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

$36,100
25th

$69,431
50th

$93,002
75th

wage percentiles

64%
of workers have an associate's degree or higher

32%
of jobs typically require at least 2 months of on-the-job training

Source: CMAP analysis of Integrated Public Use Microdata Series, 2017 American Community Survey and Economic Modeling Specialists International data (Emsi 2018.4).

In 2016, this cluster generated approximately

$38.8 billion

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

Freight mode share, by value

59%
Truck

32%
Multimodal

1%
Rail

Freight trade geography, by value

10%
Chicago region

17%
Midwest

43%
Rest of U.S.

30%
Global

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.