

# Chicago Fed Midwest Manufacturing Index

## Midwest Manufacturing Output Fell in June

The Chicago Fed Midwest Manufacturing Index (CFMMI) decreased 0.3% in June, to a seasonally adjusted level of 78.1 (2002 = 100). Revised data show the index was down 3.0% in May, to 78.3. The Federal Reserve Board's industrial production index for manufacturing (IPMFG) was down 0.6% in June. Regional output in June declined 25.2% from a year earlier—lower than the 15.4% decrease in national output.

Three of the four regional industry sectors decreased in June:

- Regional machinery sector output moved down 1.1%;
- Regional steel sector output decreased 0.9%;
- Regional resource sector output dipped 0.6%; and
- Regional auto sector production rose 1.4%.

The Midwest's machinery sector output moved down 1.1% in June after declining 2.8% in May. The nation's machinery output declined 1.3% in June. Regional machinery output in June was 26.3% below year-earlier levels, and national machinery output was down 18.0%.

The region's steel sector output decreased 0.9% in June after falling 2.9% in May. The nation's steel output was down 0.4% in June. Regional steel output dropped 36.8% from its June 2008 level, and national steel output fell 25.8%.

The Midwest resource sector's output dipped 0.6% in June after increasing 0.7% in May. The national resource sector's output also slipped 0.6% in June. One of the five subsectors of the resource sector—food production—increased from May to June, while chemical, paper, nonmetallic mineral, and wood production edged down. Compared with a year ago, regional resource output was down 9.5% in June, and the national resource output declined 8.3%.

Regional auto sector production rose 1.4% in June after dropping 10.9% in May. The nation's auto output edged down 0.4% in June. The Midwest's automotive output was down 42.6% in June relative to its year-ago value, and the nation's auto output was down 24.5%.

— William A. Strauss • Senior Economist and Economic Advisor • 312-322-8151

**Embargoed for release:  
July 27, 2009  
Noon Eastern Time  
11:00 am Central Time**

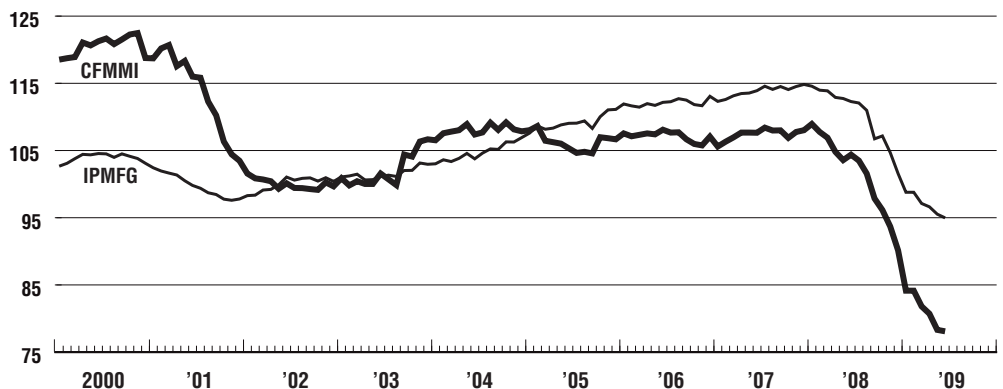
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**2009 Release Dates:  
August 24, 2009  
September 30, 2009  
October 26, 2009  
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### Chicago Fed Midwest Manufacturing Index

Index, 2002=100



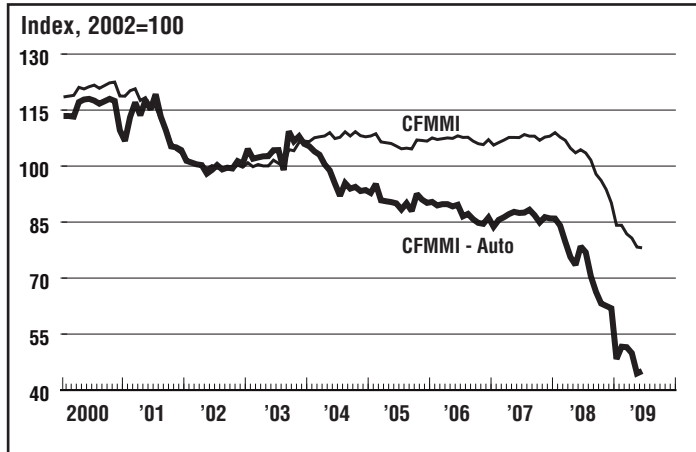
**The next CFMMI will be released:  
August 24, 2009  
Noon Eastern Time  
11:00 am Central Time**

### Manufacturing output indexes—June

	percent change from		
	1 month ago	3 months ago	1 year ago
Chicago Fed Midwest Manufacturing Index (CFMMI)	-0.3	-4.5	-25.2
US Industrial Production-Manufacturing (IPMFG)	-0.6	-2.2	-15.4

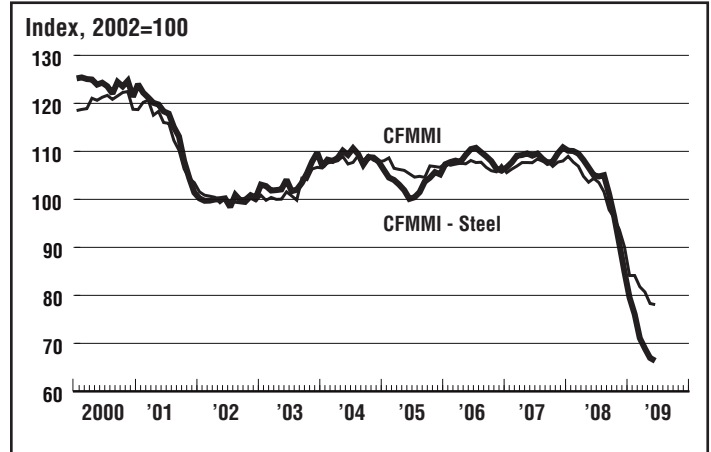
# Tracking Midwest Manufacturing Activity by Sectors — June 2009

## Auto Sector



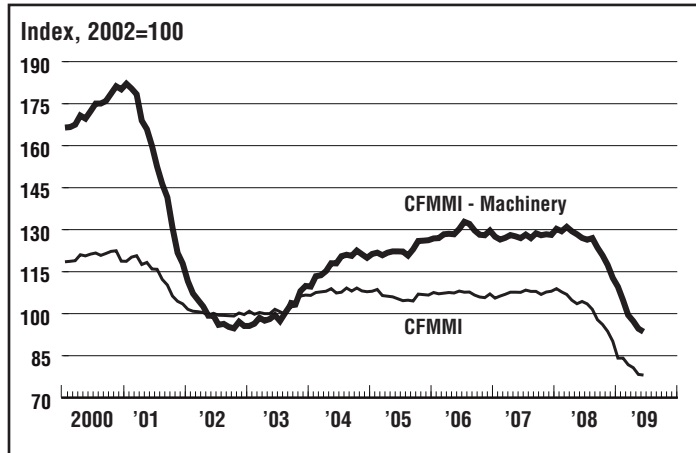
Auto Sector CFMMI Components:  
Plastics and Rubber Products; Transportation Equipment

## Steel Sector



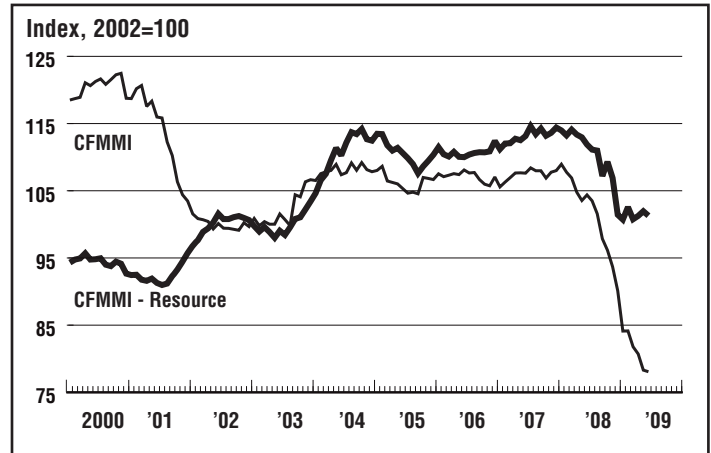
Steel Sector CFMMI Components:  
Primary Metal Industries; Fabricated Metal Products

## Machinery Sector



Machinery Sector CFMMI Components:  
Machinery; Computer and Electronic Products; Electrical Equipment, Appliance, and Components Manufacturing

## Resource Sector



Resource Sector CFMMI Components:  
Food; Wood Products; Paper; Chemicals; Nonmetallic Mineral Products

Manufacturing Activity: Summary Table	Index, 2002=100			Percent change			
	Apr 09	May 09	Jun 09	Monthly			Annual Jun 08–Jun 09
				Apr 09	May 09	Jun 09	
CFMMI	80.7	78.3	78.1	-1.3	-3.0	-0.3	-25.2
CFMMI - Auto	49.9	44.4	45.1	-3.1	-10.9	1.4	-42.6
CFMMI - Steel	68.9	66.9	66.4	-3.1	-2.9	-0.9	-36.8
CFMMI - Machinery	97.3	94.7	93.6	-2.1	-2.8	-1.1	-26.3
CFMMI - Resource	101.3	101.9	101.3	0.5	0.7	-0.6	-9.5
IPMFG	96.6	95.5	95.0	-0.5	-1.1	-0.6	-15.4

The Chicago Fed Midwest Manufacturing Index (CFMMI) is a monthly estimate of manufacturing output in the region by major industry. The Midwest is defined as the five states comprising the Seventh Federal Reserve District: Illinois, Indiana, Iowa, Michigan, and Wisconsin. The CFMMI is a composite index of 15 manufacturing industries (identified by 3-digit NAICS codes) that uses hours worked data to measure monthly changes in regional activity. The CFMMI provides a regional comparison with the manufacturing component of the Industrial Production Index (IPMFG) compiled by the Federal Reserve Board. Although the IPMFG is constructed differently than the CFMMI, it also uses hours worked data as measures of industry output for about 60 percent of its total production index.

**CFMMI and IPMFG historical data are available on the Federal Reserve Bank of Chicago's Web site at <http://www.chicagofed.org>.**