

# Chicago Fed Midwest Manufacturing Index

## Midwest Manufacturing Output Increased in July

The Chicago Fed Midwest Manufacturing Index (CFMMI) increased 1.8% in July, to a seasonally adjusted level of 95.6 (2007 = 100). Revised data show the index was up 0.9% in June. The Federal Reserve Board's industrial production index for manufacturing (IPMFG) increased 0.5% in July. Regional output rose 12.5% in July from a year earlier, and national output increased 5.2%.

Production in two of the four regional sectors increased in July:

- Regional auto sector production rose 6.3%;
- Regional resource sector output moved up 0.3%;
- Regional steel sector output decreased 0.1%; and
- Regional machinery sector production declined 0.8%.

The region's auto sector production rose 6.3% in July after increasing 0.9% in June. National auto output improved 2.3% in July. The Midwest's automotive output was up 30.0% in July relative to its year-ago level, and national automotive output was up 15.7%.

The Midwest resource sector's output moved up 0.3% in July, following an improvement of 0.1% in June. The national resource sector's output moved up 0.2% in July. Production in the regional resource sector's food subsector increased from June to July, while production in its wood and nonmetallic mineral subsectors decreased; output from its paper and chemical subsectors was unchanged. Compared with a year ago, regional resource output was up 1.8% in July, and national resource output was up 1.1%.

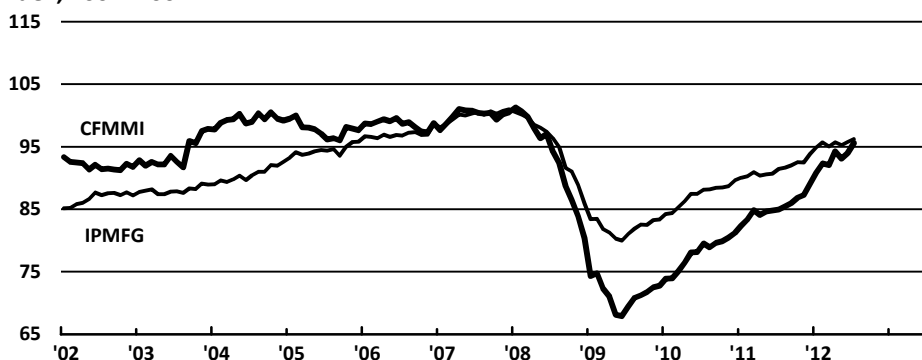
The region's steel sector output decreased 0.1% in July after moving down 0.2% in the previous month. In contrast, the nation's steel output increased 0.5% in July. Regional steel output was up 8.1% from its July 2011 level, and national steel output was up 5.2%.

The Midwest's machinery sector production declined 0.8% in July after increasing 2.6% in June. By contrast, the nation's machinery production moved up 0.1% in July. Regional machinery output was up 11.6% in July from its year-ago level, and national machinery output was up 6.8%.

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

### Chicago Fed Midwest Manufacturing Index

Index, 2007=100



The next CFMMI will be released:  
**September 27, 2012**  
 8:30 am Eastern Time  
 7:30 am Central Time

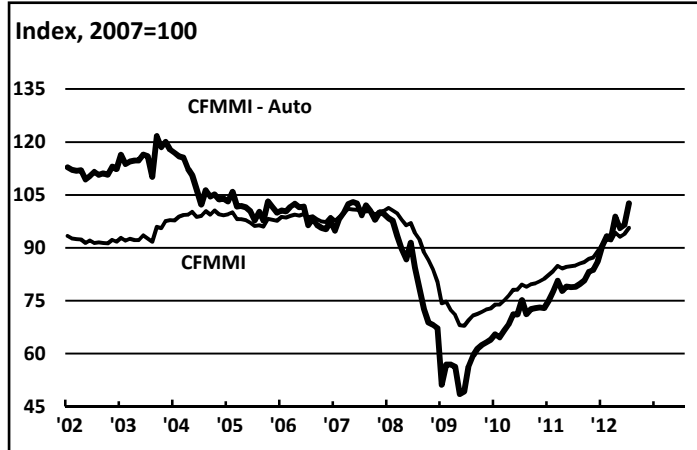
FEDERAL RESERVE BANK  
 OF CHICAGO

#### Manufacturing Output Indexes

	percent change from		
	1 month ago	3 months ago	1 year ago
Chicago Fed Midwest Manufacturing Index (CFMMI)	1.8	1.4	12.5
US Industrial Production-Manufacturing (IPMFG)	0.5	0.5	5.2

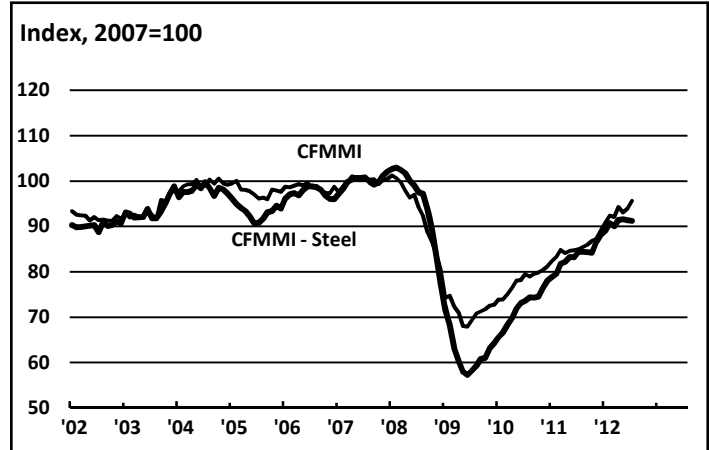
# Tracking Midwest Manufacturing Activity by Sectors — July

## Auto Sector



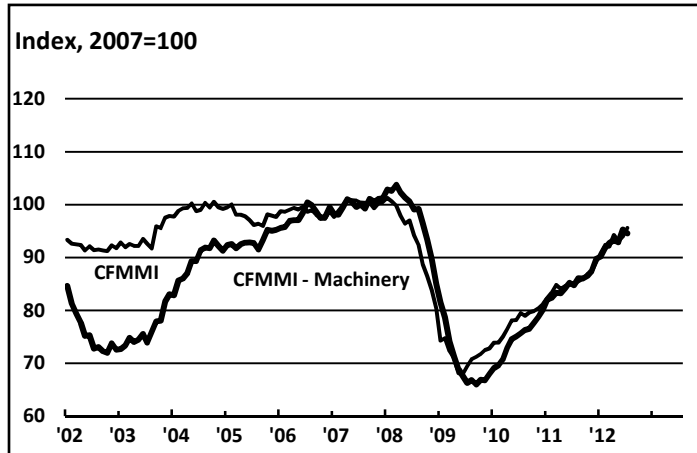
Auto Sector CFMMI Components:  
Plastics and Rubber Products; Transportation Equipment

## Steel Sector



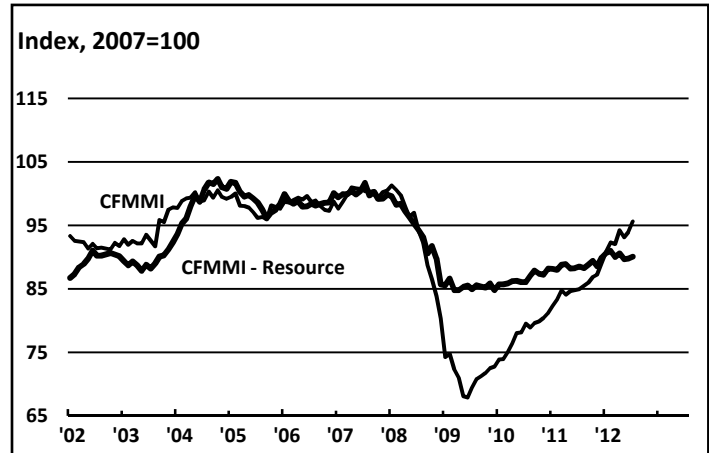
Steel Sector CFMMI Components:  
Primary Metal Industries; Fabricated Metal Products

## 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, 2007=100			Percentage Change			
				Monthly		Annual	
	May 12	Jun 12	Jul 12	May 12	Jun 12	Jul 12	Jul 11 - Jul 12
CFMMI	93.1	93.9	95.6	-1.2	0.9	1.8	12.5
CFMMI - Auto	95.6	96.5	102.6	-3.3	0.9	6.3	30.0
CFMMI - Steel	91.6	91.4	91.2	0.1	-0.2	-0.1	8.1
CFMMI - Machinery	92.8	95.3	94.6	-0.5	2.6	-0.8	11.6
CFMMI - Resource	89.7	89.8	90.1	-1.0	0.1	0.3	1.8
IPMFG	95.2	95.7	96.2	-0.5	0.5	0.5	5.2

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 website at <http://www.chicagofed.org>.