

# Chicago Fed Midwest Manufacturing Index

## Midwest Manufacturing Output Increased in December

The Chicago Fed Midwest Manufacturing Index (CFMMI) increased 0.3% in December, to a seasonally adjusted level of 81.5 (2007 = 100). Revised data show the index increased 0.3% in November to 81.2. The Federal Reserve Board's industrial production index for manufacturing (IPMFG) rose 0.4% in December. Regional output in December rose 8.3% from a year earlier, and national output increased 6.4%.

Three of the four regional sectors increased in December:

- Regional steel sector output increased 1.2%;
- Regional machinery sector production rose 0.5%;
- Regional resource sector output moved up 0.3%; and
- Regional auto sector production decreased 0.2%.

The region's steel sector output increased 1.2% in December after a 2.7% increase in the previous month. The nation's steel output increased 1.0% in December. Regional steel output was up 17.1% from its December 2009 level, and national steel output was up 11.4%.

The Midwest's machinery sector production rose 0.5% in December after increasing 1.1% in November. The nation's machinery production increased 1.0% in December. Regional machinery output in December was up 11.6% from its year-earlier level, and national machinery output was up 12.6%.

The Midwest resource sector's output moved up 0.3% in December after increasing 0.5% in the previous month. The national resource sector's output increased 0.4% in December. The food and chemical subsectors of the regional resource sector increased from November to December, while the wood, paper, and nonmetallic subsectors decreased. Compared with a year ago, regional resource output was up 6.3% in December and national resource output was up 4.0%.

The region's auto sector production decreased 0.2% in December after declining 2.3% in November. National auto output edged higher 0.1% in December. The Midwest's automotive output was up 6.0% in December relative to its year-ago level, and national automotive output was up 3.9%.

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

**Embargoed for release:**  
**January 27, 2011**  
**8:30 am Eastern Time**  
**7:30 am Central Time**

**Media Contact:**  
**Laura LaBarbera**  
**[laura.labarbera@chi.frb.org](mailto:laura.labarbera@chi.frb.org)**  
**312-322-2387**

**Federal Reserve Bank of Chicago**  
**230 South LaSalle Street**  
**Chicago, IL 60604**

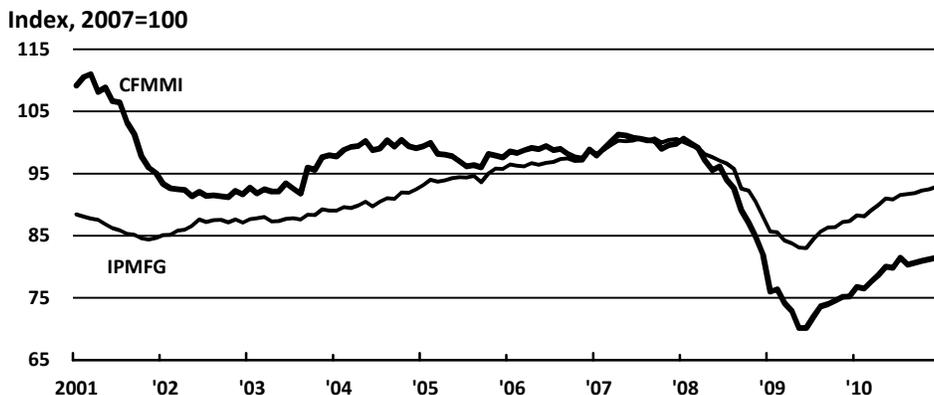
**2011 Release Dates:**  
**March 17, 2011**  
**April 6, 2011**  
**April 27, 2011**  
**May 31, 2011**  
**June 27, 2011**  
**July 27, 2011**  
**August 29, 2011**  
**September 27, 2011**  
**October 27, 2011**  
**November 28, 2011**  
**December 27, 2011**

NOTE: Beginning with the January 27, 2011, release, the release time will be shifted from noon Eastern Time to 8:30 am Eastern Time.

**The next CFMMI will be released:**  
**January 27, 2011**  
**8:30 am Eastern Time**  
**7:30 am Central Time**

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### Chicago Fed Midwest Manufacturing Index

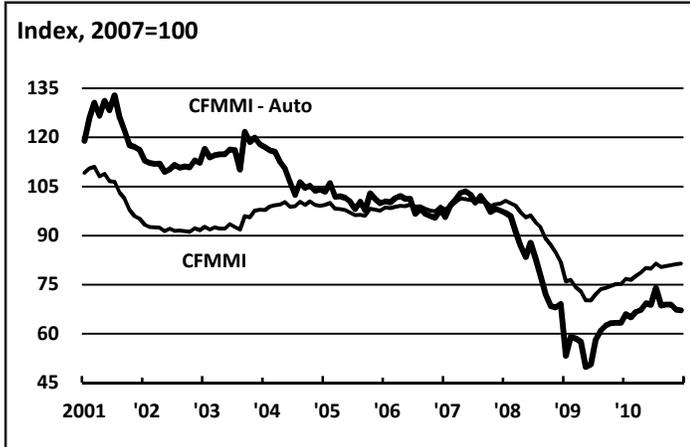


### Manufacturing Output Indexes

	percent change from		
	1 month ago	3 months ago	1 year ago
Chicago Fed Midwest Manufacturing Index (CFMMI)	0.3	1.0	8.3
US Industrial Production-Manufacturing (IPMFG)	0.4	1.1	6.4

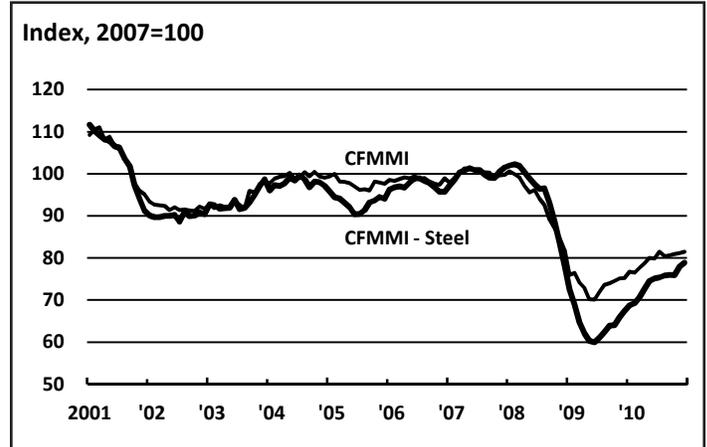
# Tracking Midwest Manufacturing Activity by Sectors — December

## Auto Sector



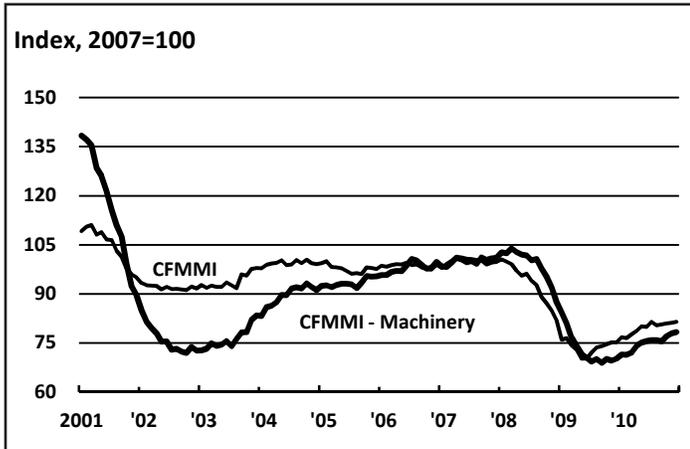
Auto Sector CFMMI Components:  
Plastics and Rubber Products; Transportation Equipment

## Steel Sector



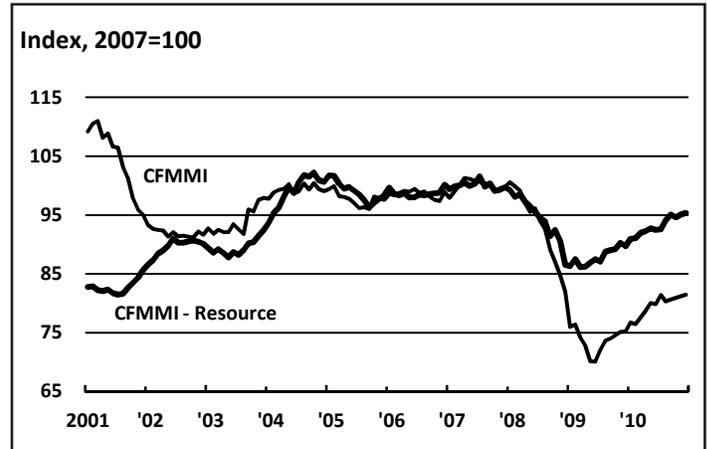
Steel Sector CFMMI Components:  
Primary Metal Industries; Fabricated Metal Products

## 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			
	Oct 10	Nov 10	Dec 10	Monthly			Annual
				Oct 10	Nov 10	Dec 10	
CFMMI	80.9	81.2	81.5	0.4	0.3	0.3	8.3
CFMMI - Auto	68.9	67.3	67.2	0.1	-2.3	-0.2	6.0
CFMMI - Steel	75.9	78.0	78.9	0.0	2.7	1.2	17.1
CFMMI - Machinery	77.0	77.9	78.3	2.1	1.1	0.5	11.6
CFMMI - Resource	94.6	95.1	95.4	-0.5	0.5	0.3	6.3
IPMFG	92.3	92.5	92.9	0.4	0.2	0.4	6.4

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>.