News Release

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What is the National Activity Index?

The index is a weighted average of 85 indicators of growth in national economic activity drawn from four broad categories of data: 1) production and income; 2) employment, unemployment, and hours; 3) personal consumption and housing; and 4) sales, orders, and inventories.

Why are there three index values?

Each month, we provide a monthly index (the CFNAI), its three-month moving average, and a diffusion index. Month-to-month movements can be volatile, so the monthly index's three-month moving average, the CFNAI-MA3, provides a more consistent picture of national economic growth. The CFNAI Diffusion Index instead captures the degree to which a change in the monthly index is spread out among its 85 indicators, averaged over a three-month period.

What do the numbers mean?

A zero value for the monthly index has been associated with the national economy expanding at its historical trend (average) rate of growth; negative values with below-average growth (in standard deviation units); and positive values with above-average growth.

Periods of economic expansion have historically been associated with values of the CFNAI-MA3 above –0.70 and the CFNAI Diffusion Index above –0.35. Conversely, periods of economic contraction have historically been associated with values of the CFNAI-MA3 below –0.70 and the CFNAI Diffusion Index below –0.35.

An increasing likelihood of a period of sustained increasing inflation has historically been associated with values of the CFNAI-MA3 above +0.70 more than two years into an economic expansion. Similarly, a substantial likelihood of a period of sustained increasing inflation has historically been associated with values of the CFNAI-MA3 above +1.00 more than two years into an economic expansion.

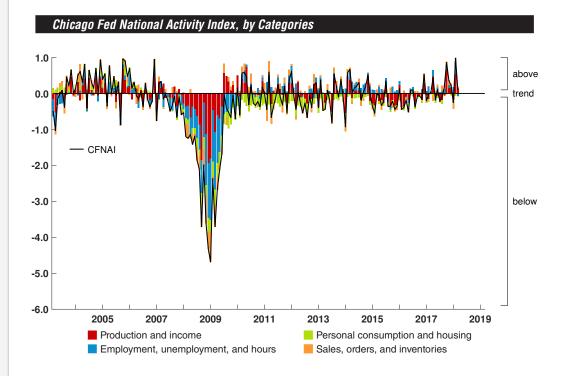
The next CFNAI will be released: May 21, 2018 8:30 am Eastern Time 7:30 am Central Time

Chicago Fed National Activity Index

Index points to a moderation in economic growth in March

Led by slower growth in production- and employment-related indicators, the Chicago Fed National Activity Index (CFNAI) declined to +0.10 in March from +0.98 in February. Three of the four broad categories of indicators that make up the index decreased from February, but two of the four categories made positive contributions to the index in March. The index's three-month moving average, CFNAI-MA3, decreased to +0.27 in March from +0.31 in February.

The CFNAI Diffusion Index, which is also a three-month moving average, edged down to +0.18 in March from +0.20 in February. Forty-four of the 85 individual indicators made positive contributions to the CFNAI in March, while 41 made negative contributions. Twenty-five indicators improved from February to March, while 59 indicators deteriorated and one was unchanged. Of the indicators that improved, nine made negative contributions.



CFNAI, CFNAI-MA3, and CFNAI Diffusion for the Latest Six Months and Year-Ago Month

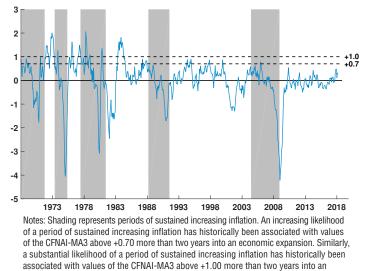
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	Mar '18	Feb '18	Jan '18	Dec '17	Nov '17	Oct '17	Mar '17
CFNAI							
Current	+0.10	+0.98	-0.26	+0.22	+0.36	+0.86	+0.03
Previous	N/A	+0.88	+0.02	+0.22	+0.25	+0.90	-0.13
CFNAI-MA3							
Current	+0.27	+0.31	+0.11	+0.48	+0.47	+0.32	-0.07
Previous	N/A	+0.37	+0.16	+0.46	+0.50	+0.38	-0.06
CFNAI Diffusion							
Current	+0.18	+0.20	+0.10	+0.32	+0.35	+0.17	-0.03
Previous	N/A	+0.28	+0.16	+0.32	+0.37	+0.22	0.00

Current and Previous values reflect index values as of the April 23, 2018, release and March 26, 2018, release, respectively. N/A indicates not applicable.

FEDERAL RESERVE BANK OF CHICAGO Production-related indicators contributed +0.14 to the CFNAI in March, down from +0.54 in February. Total industrial production increased 0.5 percent in March after increasing 1.1 percent in February. The sales, orders, and inventories category made a contribution of +0.04 to the CFNAI in March, down from +0.14 in February. The Institute for Supply Management's Manufacturing New Orders Index decreased to 61.9 in March from 64.2 in the previous month.

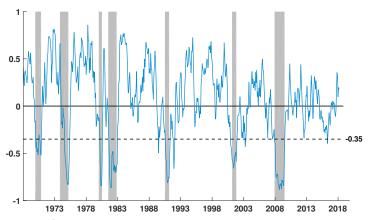
Employment-related indicators contributed -0.07 to the CFNAI in March, down from +0.35 in February. Nonfarm payrolls increased by 103,000 in March after increasing by 326,000 in February. The contribution of the personal consumption and housing category to the CFNAI moved up to -0.01 in March from -0.06 in February. Housing starts increased to 1,319,000 annualized units in March from 1,295,000 in February, and housing permits increased to 1,354,000 annualized units in March from 1,321,000 in the previous month.

CFNAI-MA3 and Inflation Cycles



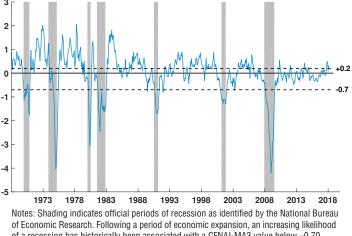
CFNAI Diffusion Index

economic expansion.



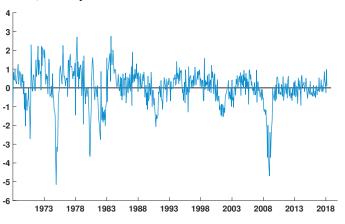
Notes: Shading indicates official periods of recession as identified by the National Bureau of Economic Research. The CFNAI Diffusion Index represents the three-month moving average of the sum of the absolute values of the weights for the underlying indicators whose contribution to the CFNAI is positive in a given month less the sum of the absolute values of the weights for those indicators whose contribution is negative or neutral in a given month. Periods of economic expansion have historically been associated with values of the CFNAI Diffusion Index above –0.35. The CFNAI was constructed using data available as of April 19, 2018. At that time, March data for 51 of the 85 indicators had been published. For all missing data, estimates were used in constructing the index. The February monthly index value was revised to +0.98 from an initial estimate of +0.88, and the January monthly index value was revised to -0.26 from last month's estimate of +0.02. Revisions to the monthly index can be attributed to two main factors: revisions in previously published data and differences between the estimates of previously unavailable data and subsequently published data. The revision to the February monthly index value was primarily due to the former, while the revision to the January monthly index value was primarily due to the former.

CFNAI-MA3 and Business Cycles



of a recession has historically been associated with a CFNAI-MA3 value below -0.70. Conversely, following a period of economic contraction, an increasing likelihood of an expansion has historically been associated with a CFNAI-MA3 value above -0.70 and a significant likelihood of an expansion has historically been associated with a CFNAI-MA3 value above +0.20.





CFNAI release dates, historical data, and background information are available at chicagofed.org/cfnai.