

Fractal Volatility Index for JNJ : 0.558. Market Wide FVI:0.478
(0 - 0.33: Stable, 0.33 - 0.66: Moderate Volatility, 0.66 - 1: High Volatility)



Global Geopolitical Volatility



Red: High Risk FVI zone, Orange: Medium Risk FVI zone, Green: Low Risk FVI zone

Verv Stock Analysis Report: Johnson & Johnson JNJ FVI 0.558

Analysis Period: 2021-04-29 to 2026-04-29

Global Geopolitical Fractal Volatility (Gold, Forex, TWI (Tariffs) and GHG Emissions)

FVI_GOLD: 0.593608 => Moderate gold volatility, likely reflecting investor caution

FVI_FX: 0.434301 => Low FX volatility; currency markets stable for now

FVI_TWI: 0.469352 => Moderate TWI volatility; minor export/import fluctuations

GHG CV: 0.223036 => Moderate emissions volatility; sector-level uncertainty exists

Primary Risk Driver: Gold volatility is a good proxy for global geopolitical risk. 0.593608.

The Fractal Volatility Index (FVI) is scaled between 0 and 1 reflecting the stock's overall volatility. A higher score indicates greater unpredictability and market instability.

Unlike traditional volatility indicators like VIX or Beta, FVI does not track short-term fluctuations—it detects hidden instability before it manifests in price swings.

FVI is a composite score that incorporates Lyapunov Exponent, Hurst Exponent, and Detrended Fluctuation Analysis (DFA).

Breakout Probability Score (BPS): 0.442

Breakout Probability Score (BPS) quantifies price momentum likelihood: BPS > 1.5 suggests high breakout potential, while BPS < 0.5 indicates consolidation.

(BPS > 1.5 High breakout potential - Strong momentum, watch for confirmation.)

(BPS 0.5 - 1.5 Moderate breakout likelihood - Possible move, monitor closely.)

(BPS < 0.5 Low breakout probability - Likely consolidation or range-bound.)

Request ID: FVI

Account ID: WeeklyReport

Fractal & Statistical Analysis

FVI Score: 0.558 (Fractal Volatility Index FVI)

DFA Result: 0.5308 (Detrended Fluctuation Analysis)

Lyapunov Exponent: 0.0165 (Measures chaos and predictability)

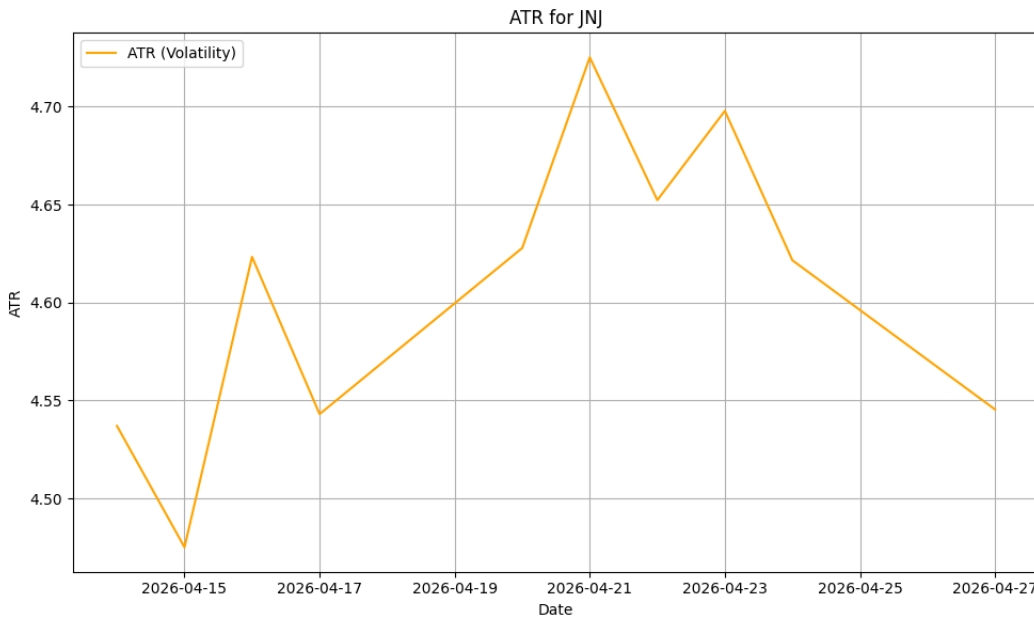
Hurst Exponent: 0.5234 (Indicates trending or mean-reverting behavior)

Breakout & Recent Price Change Analysis

Breakout Statement: No strong breakout signal detected: The latest closing price of 225.34 is within the Bollinger Bands range (223.75 - 248.89).

Latest ATR: 4.5454

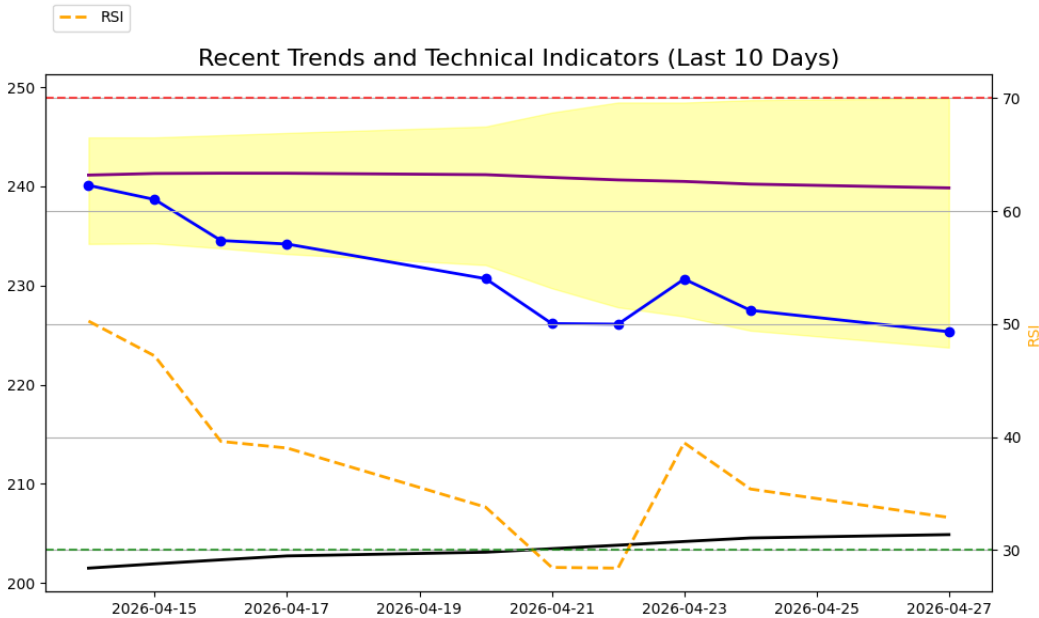
Average True Range (ATR)



The ATR measures the recent price volatility of a stock, calculating the average range between its high and low prices over a given period (usually 14 days). A higher ATR indicates greater market volatility, and a lower ATR indicates less volatility.

Low ATR (below 2): Stable stock, Moderate ATR (2-5): Mild volatility, High ATR (above 5): Highly volatile stock

Technical Indicators



Left y axis - Stock Price. Right y axis - RSI range values (30 - 70)

Close Price(blue line with circles) - Key indicator of the stock's price action and is often used to identify trends or patterns. A rising close price generally indicates an upward trend, while a falling close price shows a downward trend.

SMA_50 and SMA_200 - (purple line SMA_50, black line SMA_200) Simple Moving Averages (SMA) calculated over 50 and 200 periods. Helps identify the direction of stock price trend.

Bollinger Bands - (shaded in yellow): Bollinger Bands consists of upper, middle and lower prices. The middle line is the moving average. Price reaching the upper band can indicate an overbought condition, suggesting the stock might be due for a pullback. Price touching the lower band could indicate an oversold condition, suggesting a potential buying opportunity. When the price moves outside the bands, it may indicate extreme conditions.

Relative Strength Index RSI - (orange dotted line): The RSI is a momentum oscillator that measures the speed and change of price movements. An RSI above 70 suggests the stock is overbought and might be due for a pullback. An RSI below 30 suggests the stock is oversold and might be due for a rebound. An RSI in between indicates a more neutral market condition.

AI-Generated Market Insights

Investment Report:

--- INVESTMENT REPORT ---

1. Volatility & Breakout Potential: JNJ's FVI of 0.558 indicates a moderate level of volatility, suggesting the stock is in a regime of relative stability. The Lyapunov value of 0.017 is low, indicating low system chaos and instability, which is positive for the stock. The Hurst value of 0.523 suggests that the stock is slightly more likely to follow a trend rather than revert to the mean. The Bollinger Bands are stable, and the volume change of 1.12% does not confirm any significant price moves.

2. Market Sentiment: The large volume of 547641852000 suggests institutional-driven behavior, indicating a strong investor confidence in the stock. The lack of a strong breakout signal suggests a cautious investor mood.

3. Geopolitical Risk Assessment: The market-wide Gold FVI of 0.594 indicates a moderate level of geopolitical tension, which could affect the stock. The FX and TWI FVI values suggest currency volatility and potential global trade disruptions, which could impact the stock if it is heavily globalized or supply-chain dependent. The stock's low GHG impact suggests low exposure to emissions risk.

4. Sector and Supply Chain Exposure: The Healthcare sector, where JNJ operates, has low GHG impact, suggesting it is not heavily exposed to energy, logistics, or agricultural volatility. However, if JNJ has a global supply chain, it may be exposed to risks related to trade disruptions and currency volatility.

Strategy Recommendation: Given the stable volatility and lack of strong breakout signals, a trend-following strategy may be optimal for JNJ. The stock appears to be in a consolidation phase, and there is no strong evidence to suggest an imminent breakout.

--- FINAL TAKEAWAY ---

Based on the analysis, JNJ presents a stable investment opportunity with moderate volatility and low geopolitical risk exposure. The stock is in a consolidation phase with no strong breakout signals, suggesting a trend-following strategy may be optimal. Investors should monitor global trade and currency volatility indicators for potential impacts on the stock.

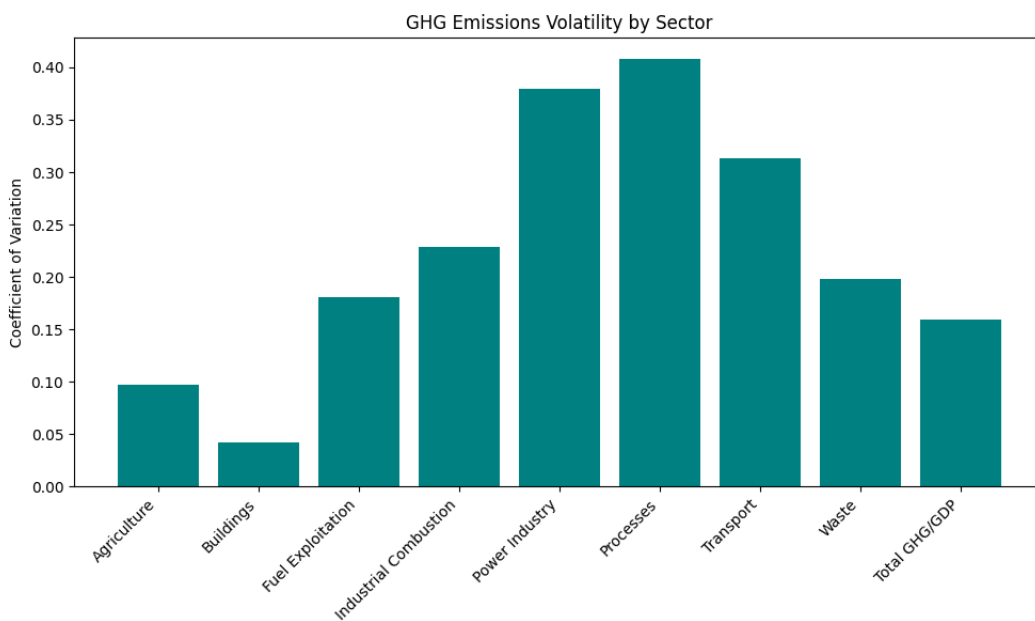
Market Capitalization: 547641852000, Industry: DRUG MANUFACTURERS - GENERAL, Latest Volume: 7897807, Description: Johnson & Johnson, Sector: HEALTHCARE, Price to Book: 6.75, Trailing PE: 26.39, Forward PE: 19.72, Enterprise to Ebitda: 17.22, Enterprise to Revenue: 6.03, Profit Margins: 0.218

The trading volume has changed by 1.12% over the past week, indicating potential shifts in market sentiment. Please factor this into the volatility and risk analysis.

Beta measures stock volatility relative to the overall market: 0.33

Beta of 0.33 suggests low volatility compared to the market.

Volatility Indicators of GHG Emissions by Industry and GDP



Low GHG impact (0.052) for the Healthcare sector.

Disclaimer: The Fractal Volatility Index (FVI) measures structural market instability, not short-term price direction. High FVI (red dot) does not necessarily indicate a price breakout—rather, it signals unpredictable price behavior and potential structural shifts. While market instability can precede significant moves in either direction, Verv Stock Reports do not predict price trends but offer insight into underlying volatility patterns. Investors should interpret FVI alongside fundamental and technical analysis before making decisions.

Stock Market Price Credibility Report

Analysis based on current global macroeconomic and geopolitical information.

Market_Price_Credibility_Analysis:

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{  
  "Final_Score": 0.363,  
  "Price_Volume_Divergence": 0,  
  "Volatility_Dissonance_Index": -0.11,  
  "Deception_Risk": 0.769,  
  "Trumpery_Alert": true,  
  "Summary": "If you believe this rally, we've got beachfront property on the moon."  
}
```

Explanation:

The NRDl value of 0.7 indicates a significant disconnect between the economic narratives and underlying fiscal, monetary, and geopolitical realities. This is based on the following observations:

- The rising U.S. debt and deficit levels are often downplayed in economic narratives, but they pose a significant threat to the stability of the economy in the long run.
- The changes in U.S. Treasury bond yields and issuance, coupled with reports of declining foreign demand for U.S. bonds, suggest a weakening confidence in the U.S. economy.
- Central bank interventions, such as rate cuts and QE, are often portrayed as necessary measures to stimulate the economy, but they can also lead to asset bubbles and financial instability.
- The use of tariffs and sanctions as economic tools has been a controversial topic, with some arguing that they are necessary to protect domestic industries, while others believe they can lead to trade wars and economic slowdowns.
- The inflation vs. official interest rate policy shows a disconnect, as the low interest rates do not seem to correspond with the rising inflation rates.
- The influence of BRICS+ and de-dollarization trends indicate a shift in the global economic balance, which is not fully reflected in the economic narratives.
- The gold volatility and geopolitical hedging suggest that investors are seeking safe havens due to the uncertainty in the financial markets.

The Trumpery Alert is triggered due to the apparent manipulative or performative policymaking, especially in the use of tariffs and sanctions as economic tools and the central bank interventions. The Satirical Summary reflects the skepticism towards the economic narratives and the perceived market manipulation.

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Deception Risk:

Between 0 and .2, markets appear fundamentally sound, no price distortion.

Between .2 and .4 there may be some irrationality or manipulation. Caution is advised.

Between .4 and .6 there are signals of disconnect between narratives and reality.

Between .6 and .8 distortions mean possible financial gaslighting.

Between .8 and 1 signals a confidence scam - you are being sold a bridge.

What Price Credibility Sell You a Bridge Index captures:

Price to Volume Divergence PVD.' When price rises while volume drops is suspicious behavior.

A Narrative Reality Dislocation Index NRDIndex is an AI score for disconnect between corporate statements and underlying fundamentals.

A Volatility Persistence Score VPI. When volatility indicators stay low despite geopolitical/economic chaos.

The Macro Score includes Tariff Impact Denial. High tariffs plus high exposure plus rising stock. This may be a trumpery illusion alert.

Treasury Detector TFD Liquidity Masking Metric. Fed/Treasury injections may be affecting retail activity or debt spreads.

The Media Sentiment Mismatch is included. This is where news tone is contrary to actual market data (e.g. bullish despite bond collapse).

Note: Trumpery derives from a French word meaning to deceive, in many dictionaries showy but worthless.

_____ **END OF REPORT** _____