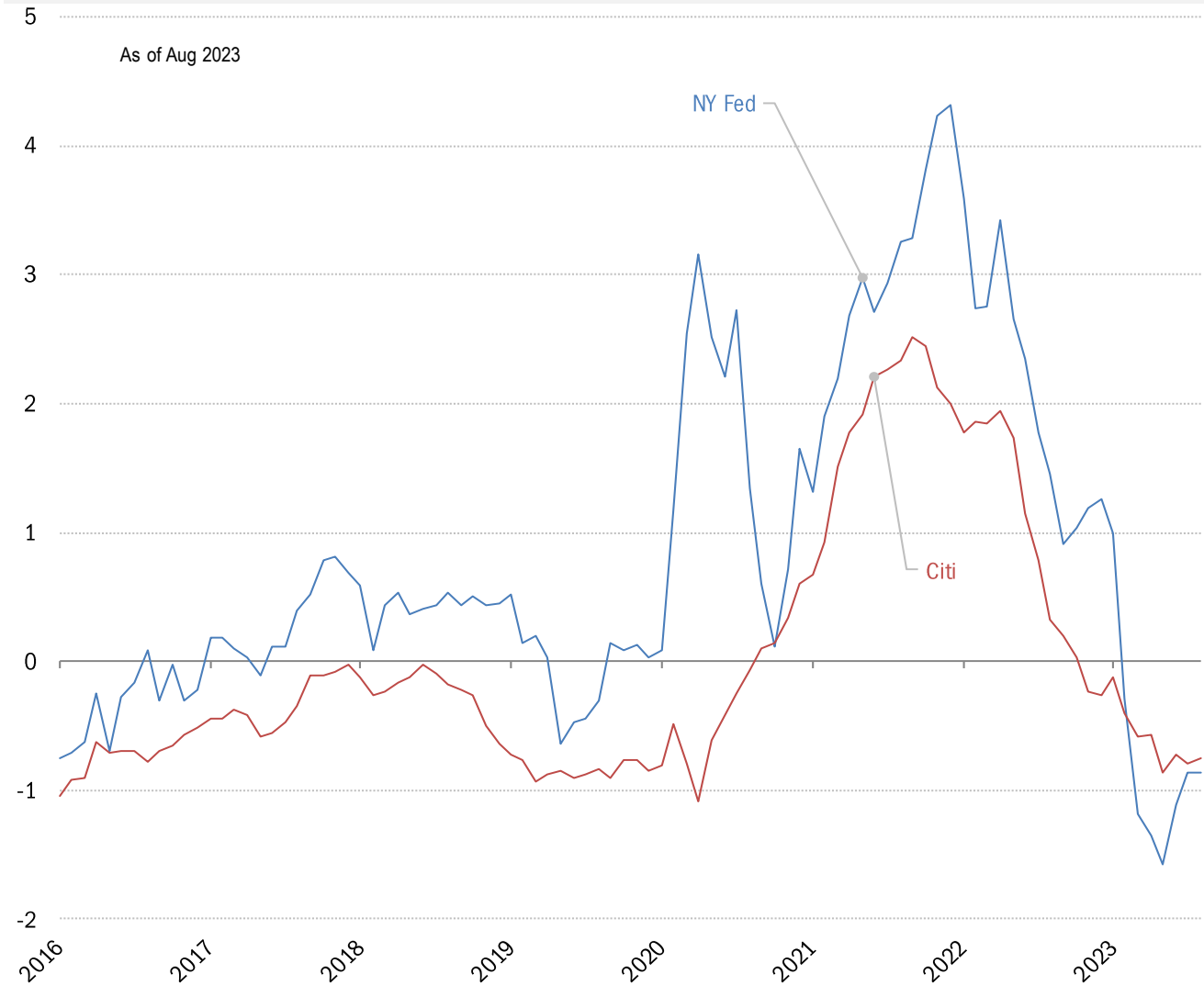


Data Insights: Supply Chain Stress Monitor

Thursday, September 14, 2023

Supply chain pressure indices

Standard deviations from average



Source: [New York Fed](#), Citibank, TrendMacro calculations

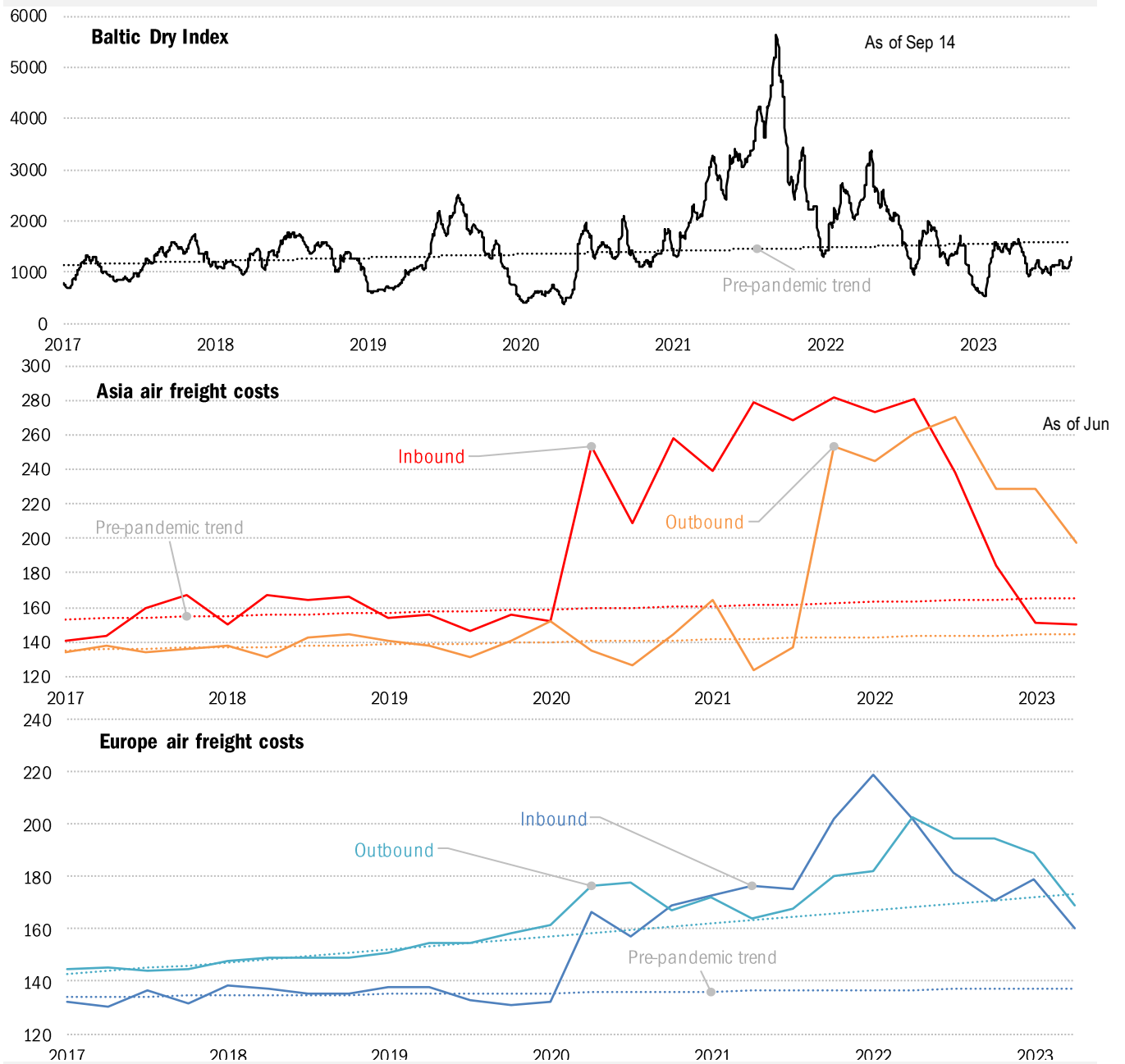
For more information contact us:

Donald Luskin: 214 550 2020 don@trendmacro.com

Thomas Demas: 704 552 3625 tdemas@trendmacro.com

Global transportation costs

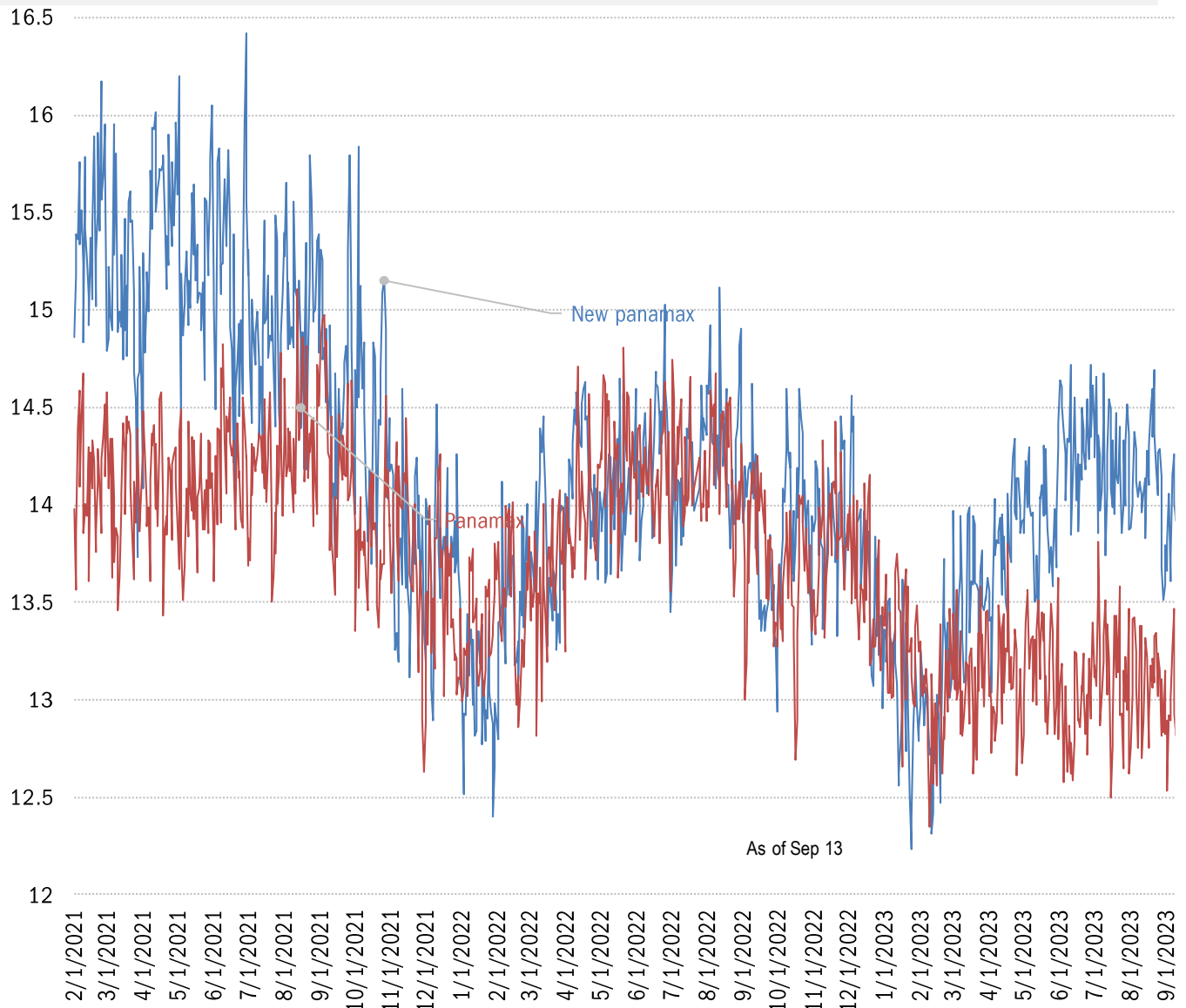
Index points



Source: Bloomberg, [BLS](#), TrendMacro calculations

Container shipping speed

Slower speed indicates congested ports

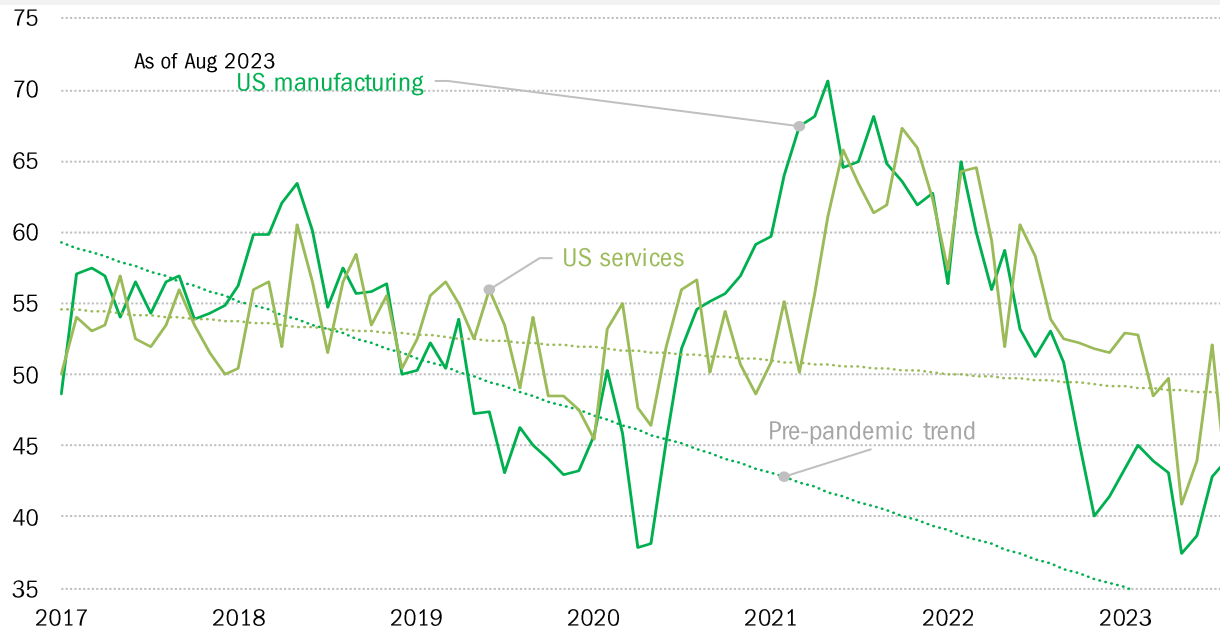


As of Sep 13

Source: Bloomberg, TrendMacro calculations

US purchasing managers index: backlog of orders growing

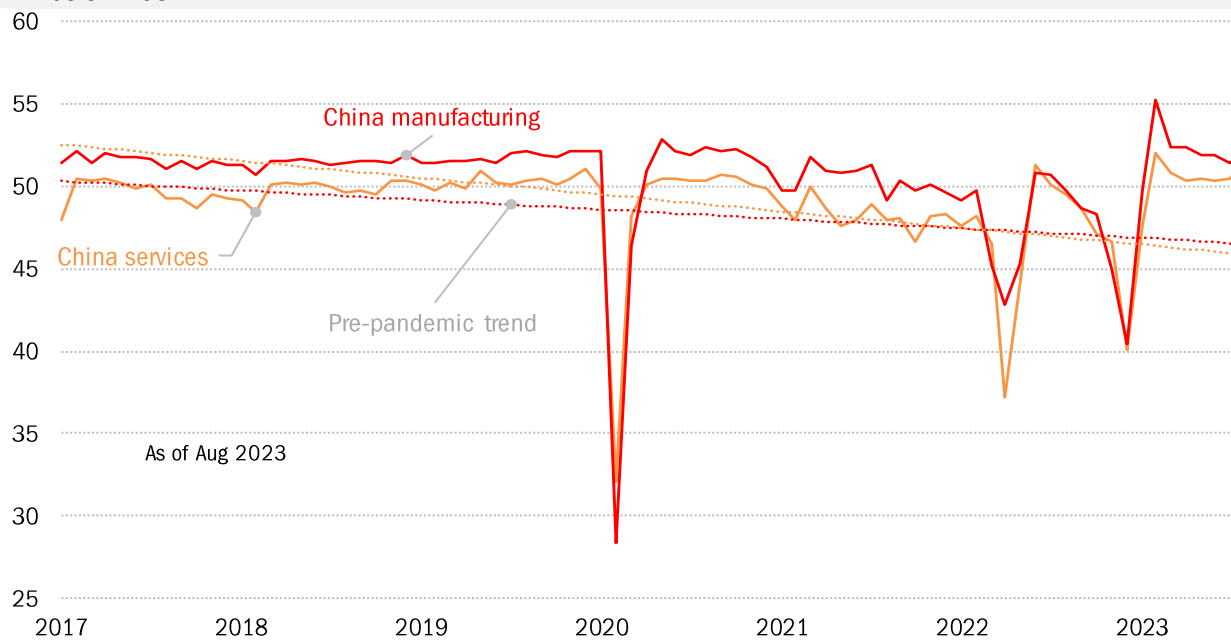
Diffusion index



Source: [ISM](#), TrendMacro calculations

China purchasing managers index: improving time-to-delivery from suppliers

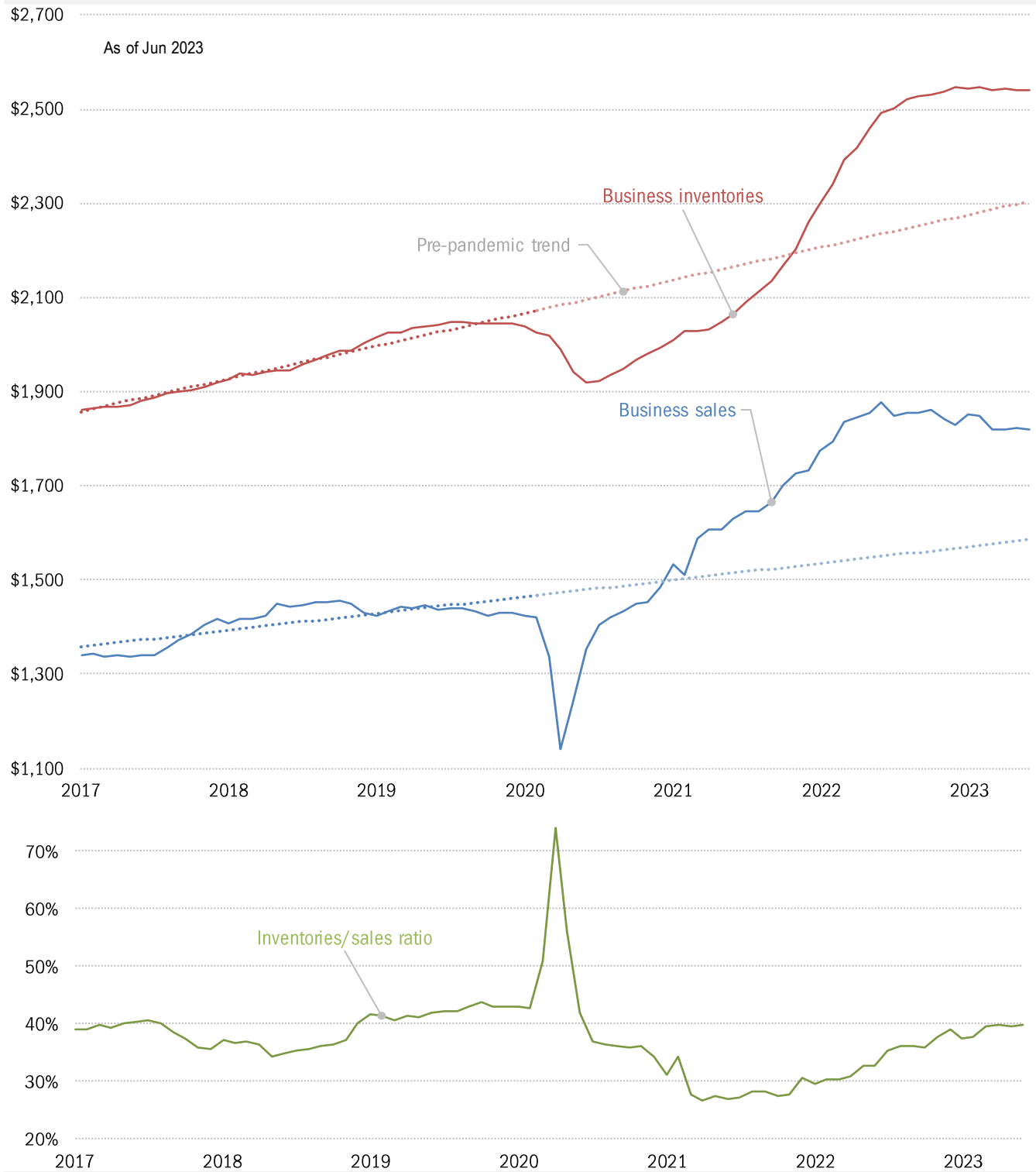
Diffusion index



Source: [China Federation of Logistics & Purchasing](#), TrendMacro calculations

The ecosystem: manufacturing and trade sales and inventories

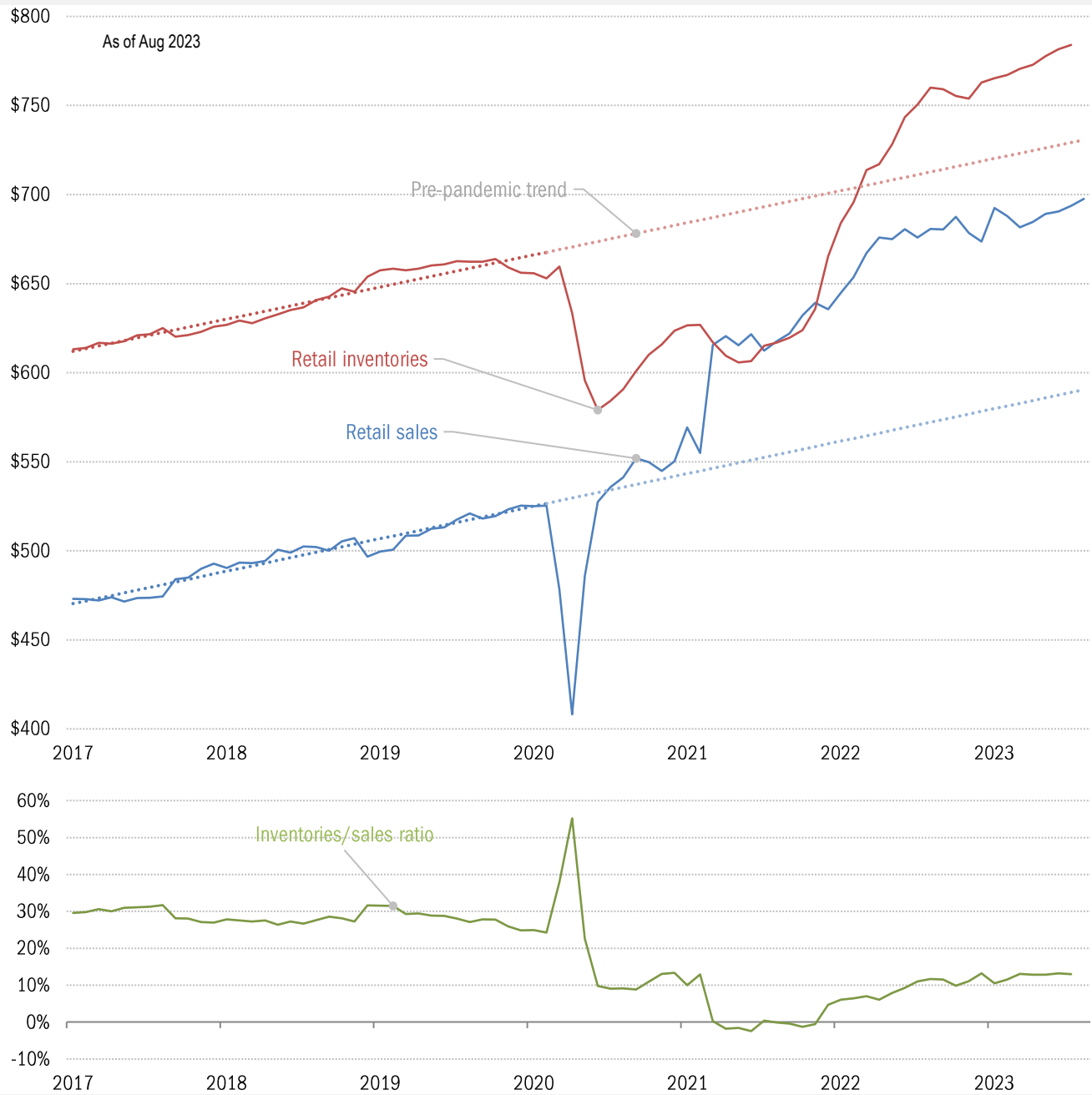
USD billions (DPI normalized to sale levels)



Source: [Census Bureau](#), [BEA](#), TrendMacro calculations

The Main Street sub-ecosystem: retail sales and inventories

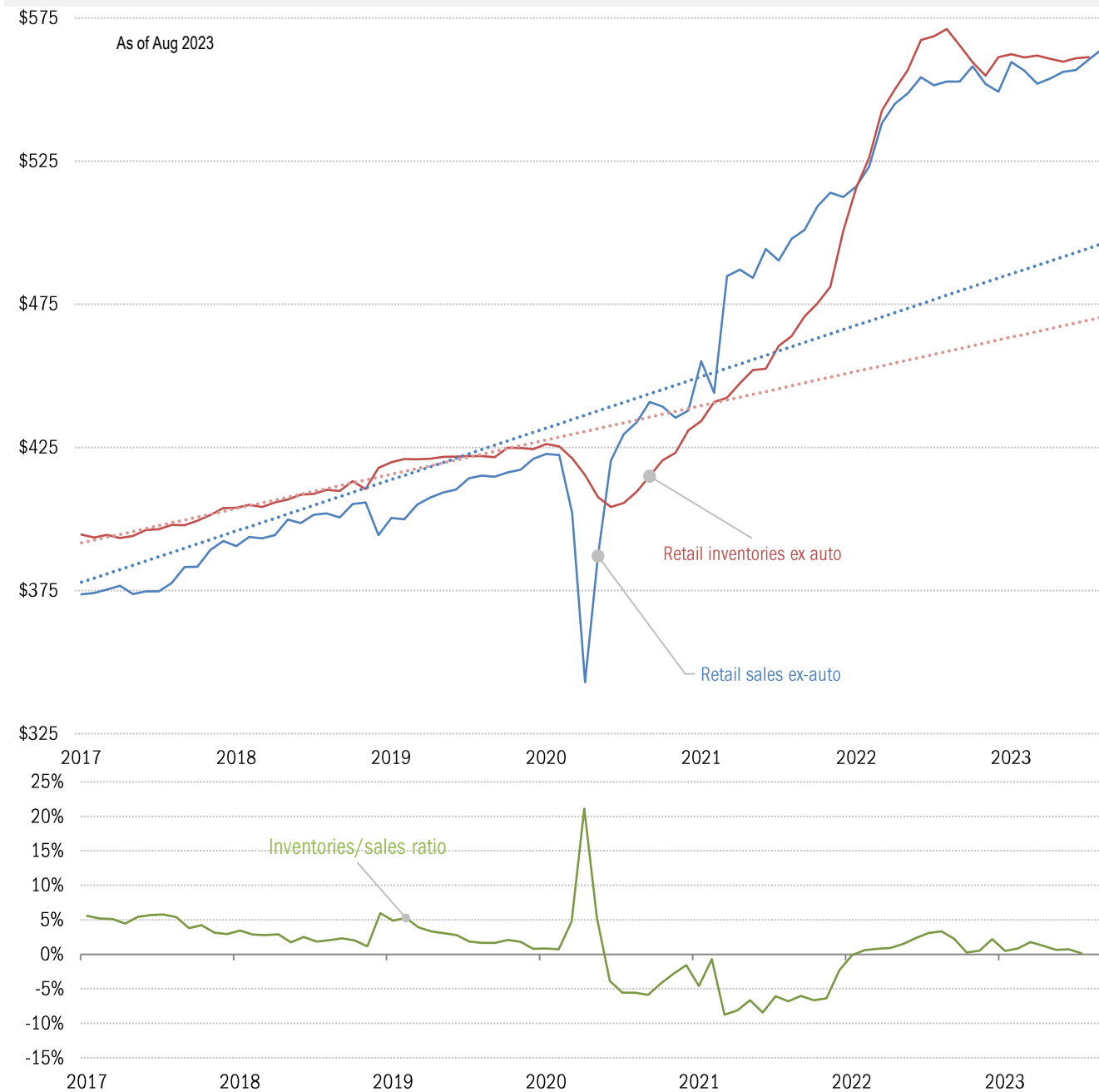
USD billions



Source: [Census Bureau](#), TrendMacro calculations

The Main Street sub-sub-ecosystem: retail sales and inventories *ex-auto*

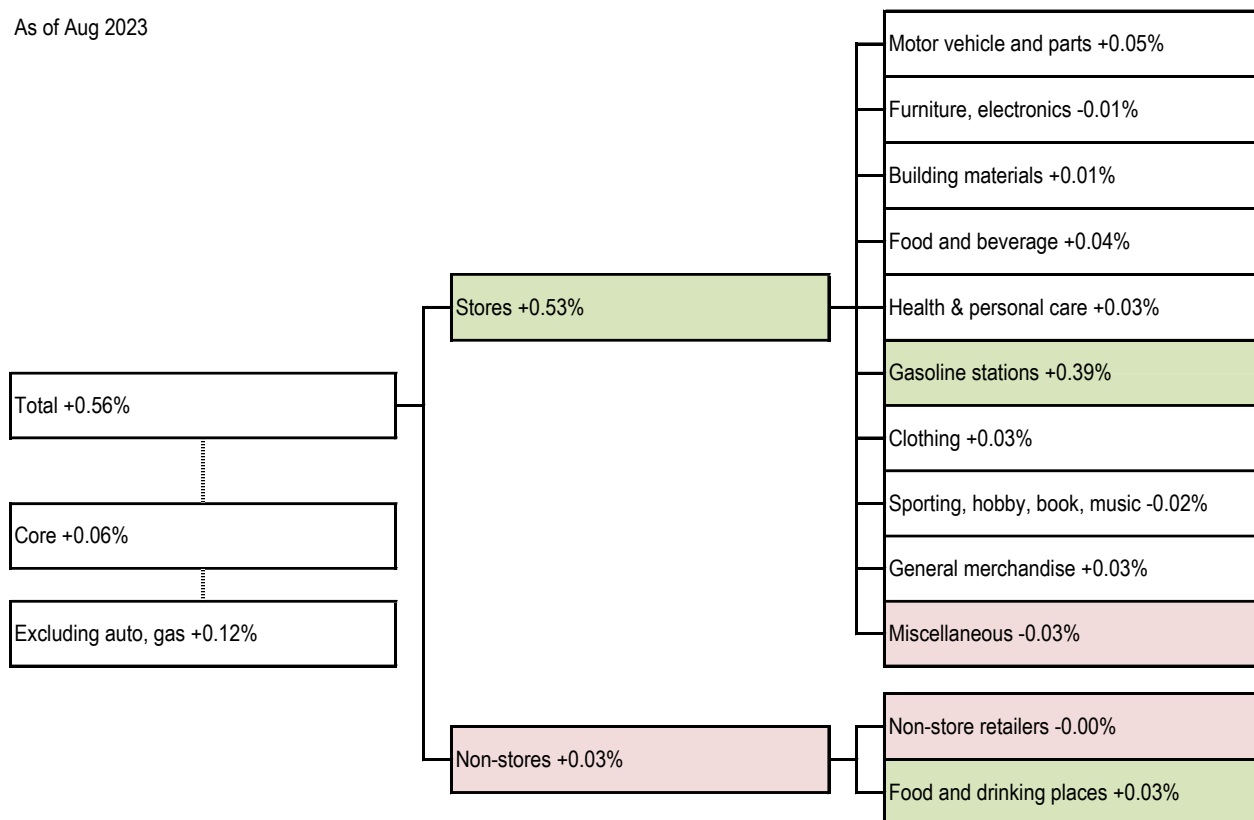
USD billions



Source: [Census Bureau](#), TrendMacro calculations

Retail sales – where did the growth come from?

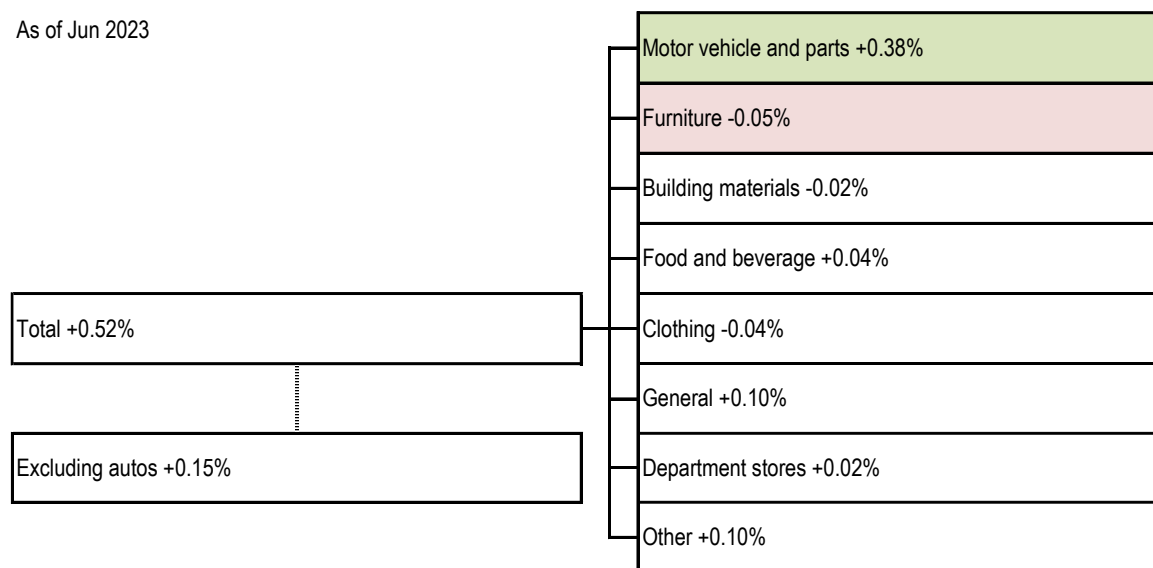
As of Aug 2023



Retail inventories – where did the growth come from?

Contributions to nominal, sequential month change, SA Biggest change per detail-level: ■ positive ■ negative

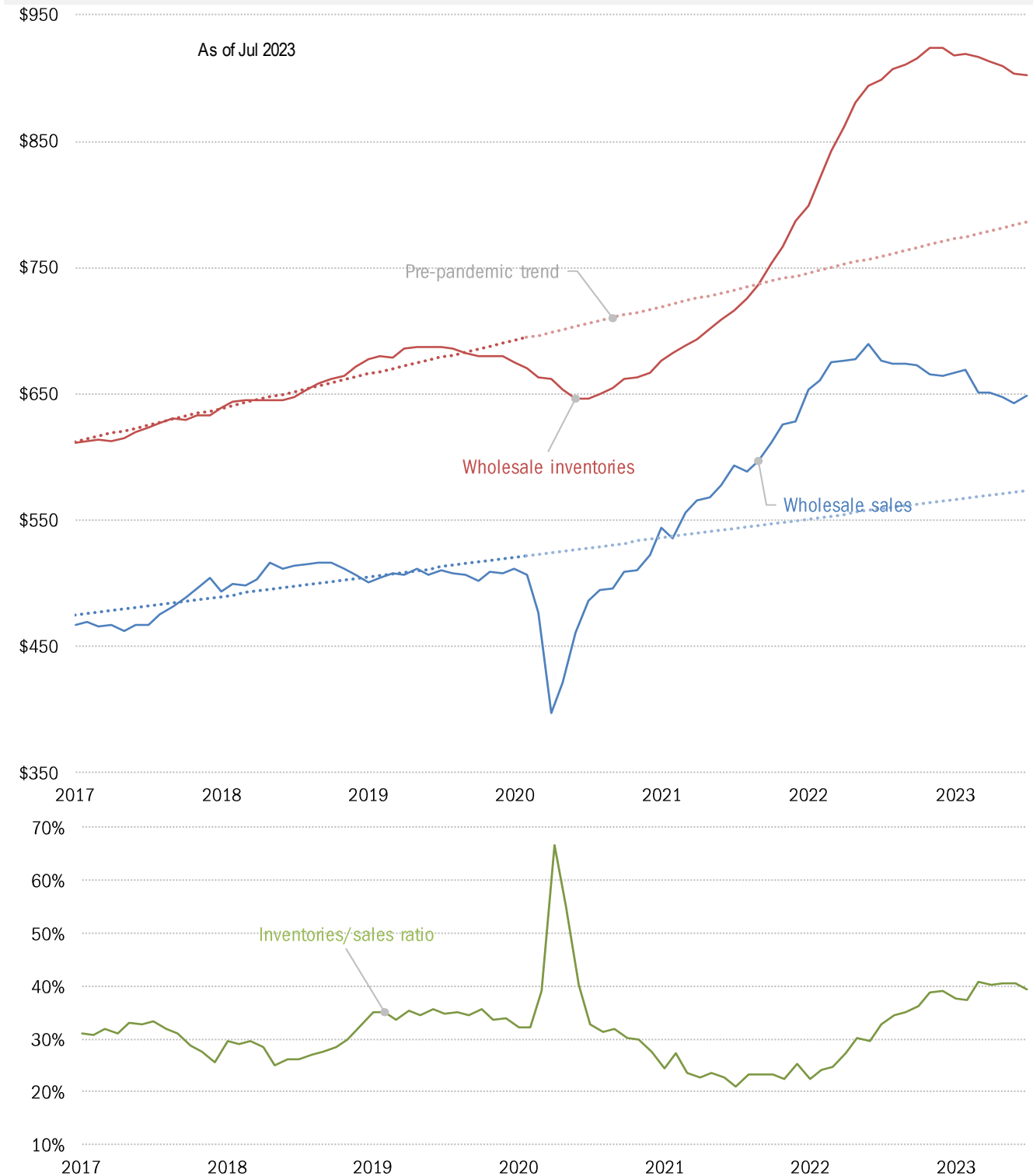
As of Jun 2023



Source: [Census Bureau](#), TrendMacro calculations

The backstage sub-ecosystem: wholesale sales and inventories

USD billions

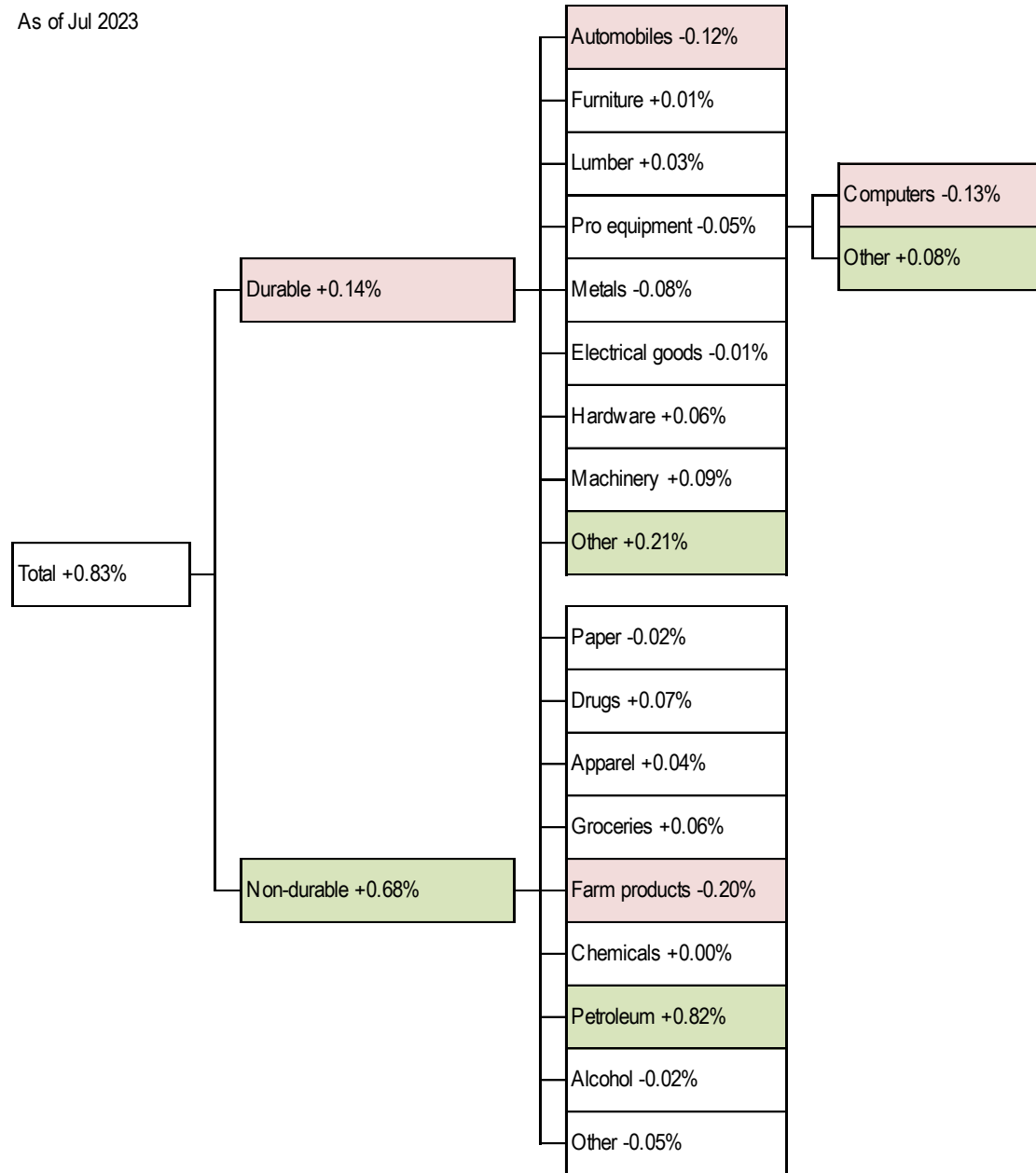


Source: [Census Bureau](#), TrendMacro calculations

Wholesale sales -- where did the growth come from?

Contributions to nominal, sequential month change, SA Biggest change per detail-level: ■ positive ■ negative

As of Jul 2023

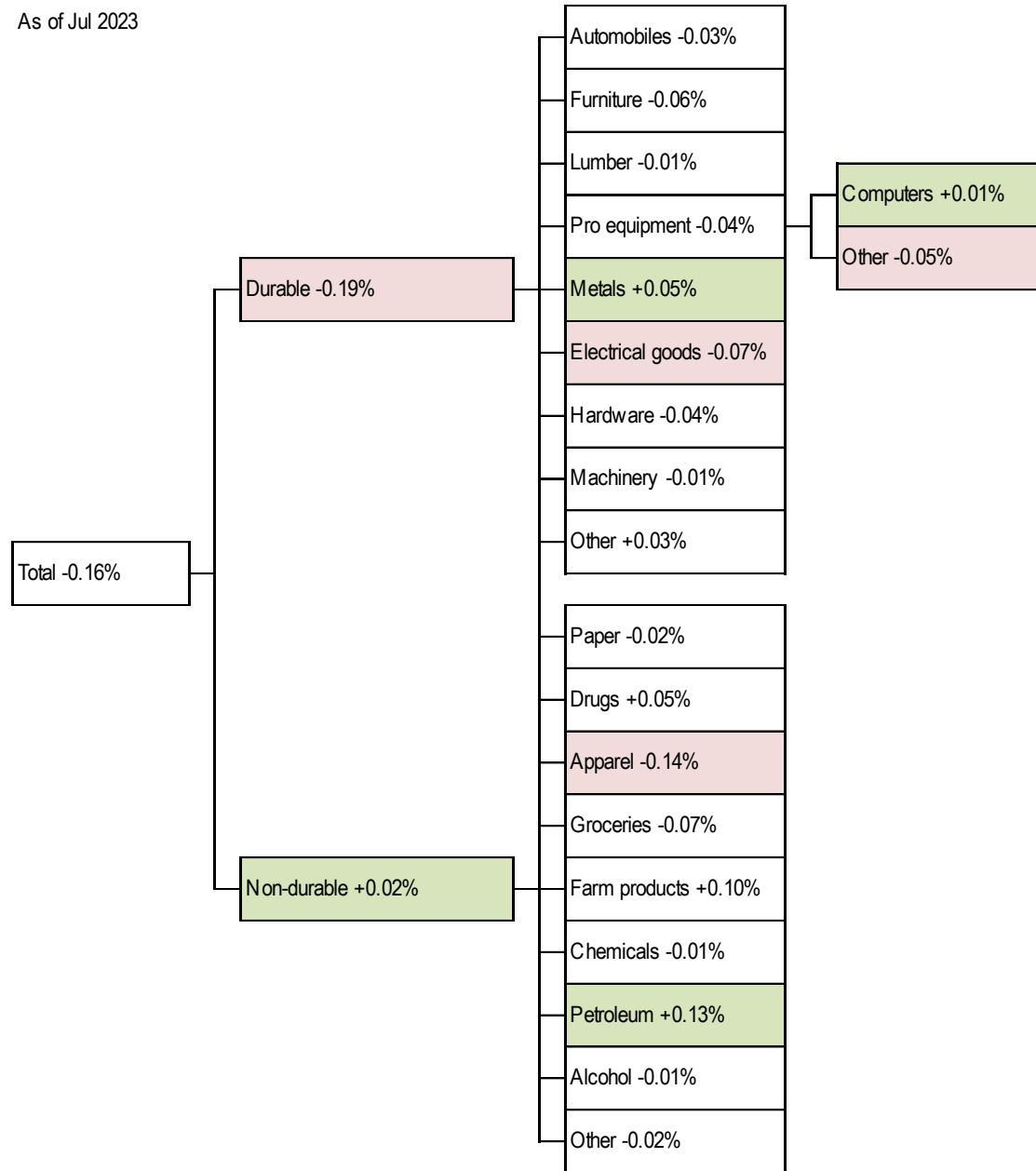


Source: [Census Bureau](#), TrendMacro calculations

Wholesale inventories -- where did the growth come from?

Contributions to nominal, sequential month change, SA Biggest change per detail-level: ■ positive ■ negative

As of Jul 2023



Source: [Census Bureau](https://www.census.gov)