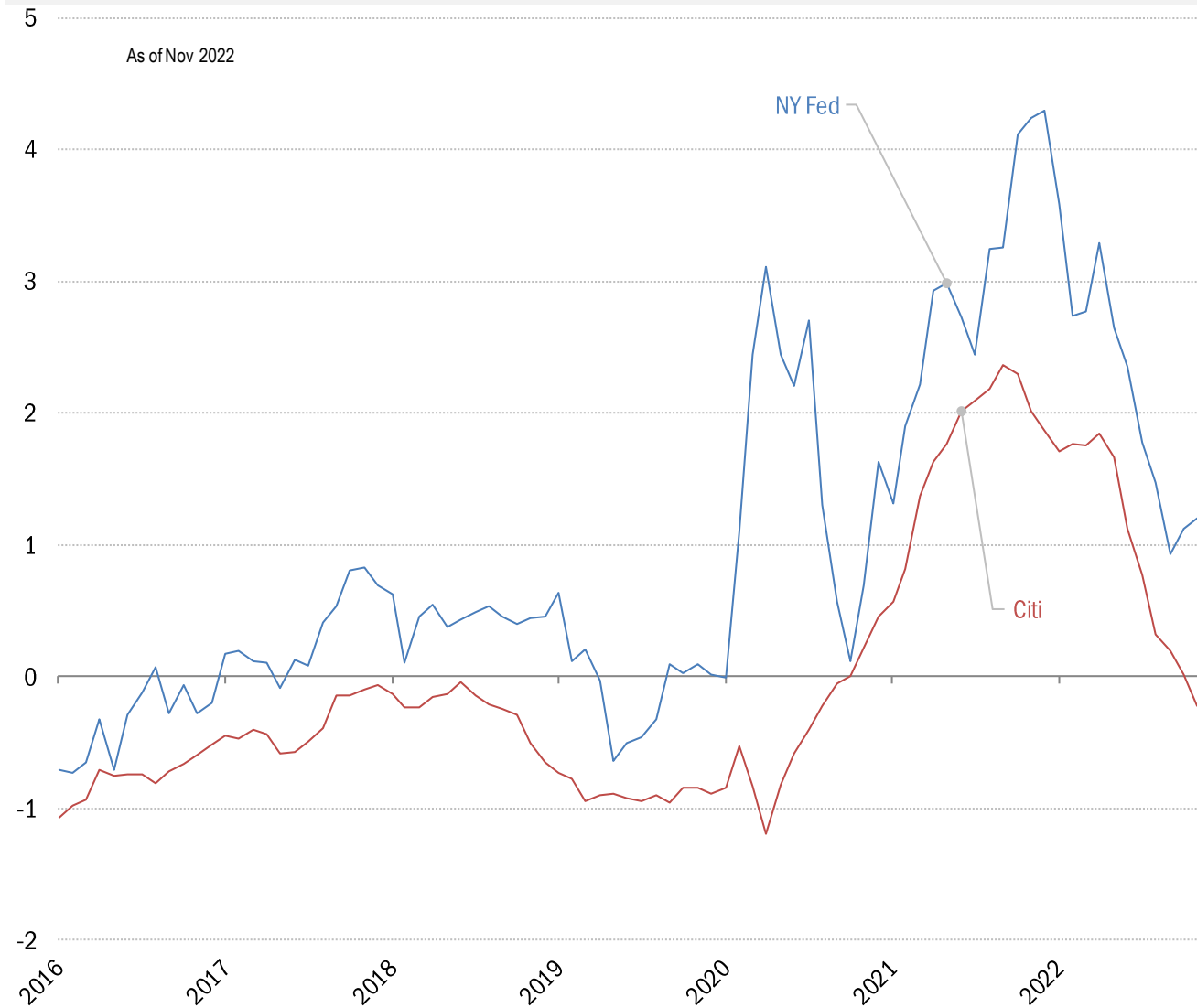


Data Insights: Supply Chain Stress Monitor

Thursday, December 15, 2022

Supply chain pressure indices

Standard deviations from average



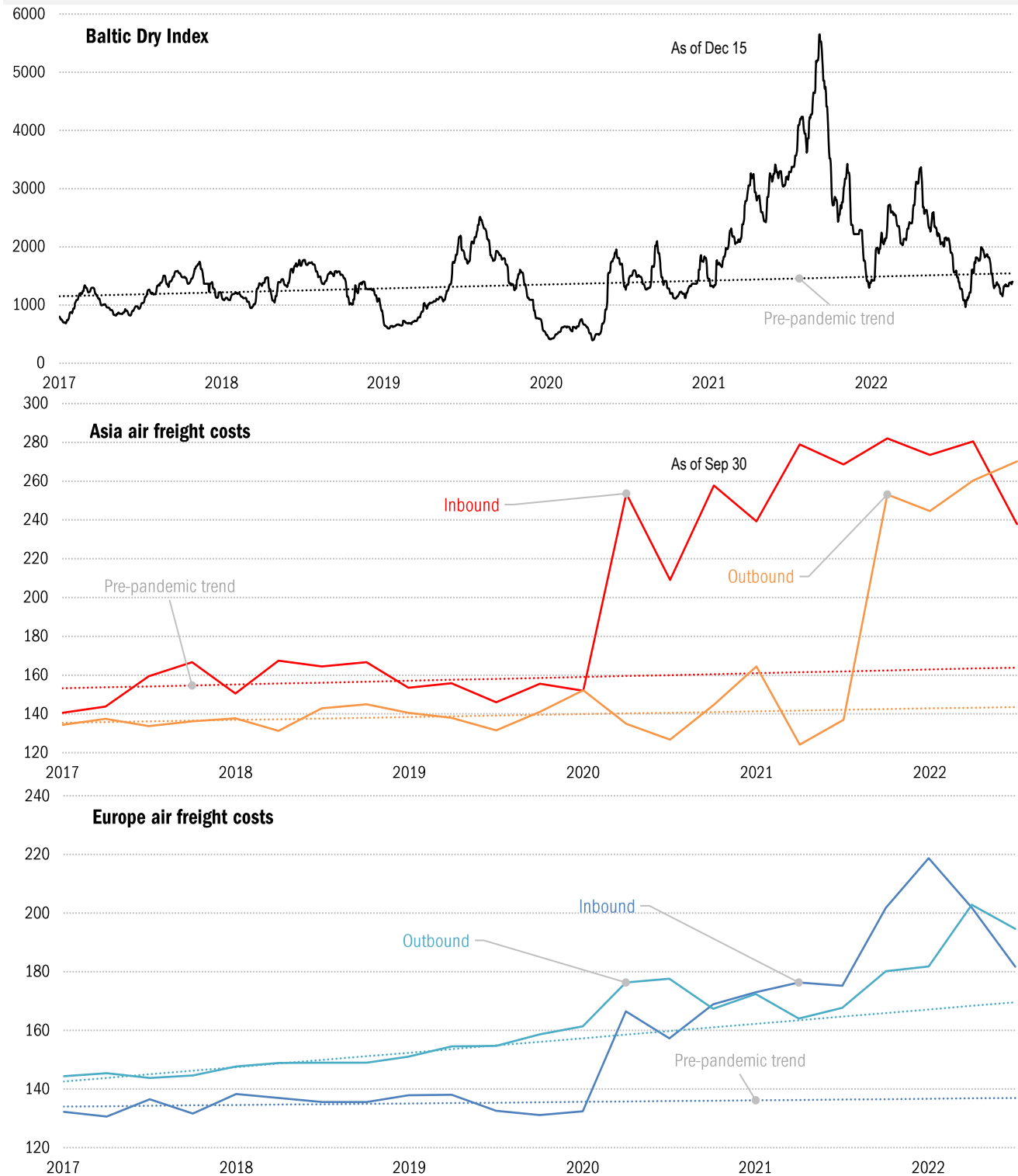
Source: [New York Fed](#), Bloomberg, TrendMacro calculations

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

Global transportation costs

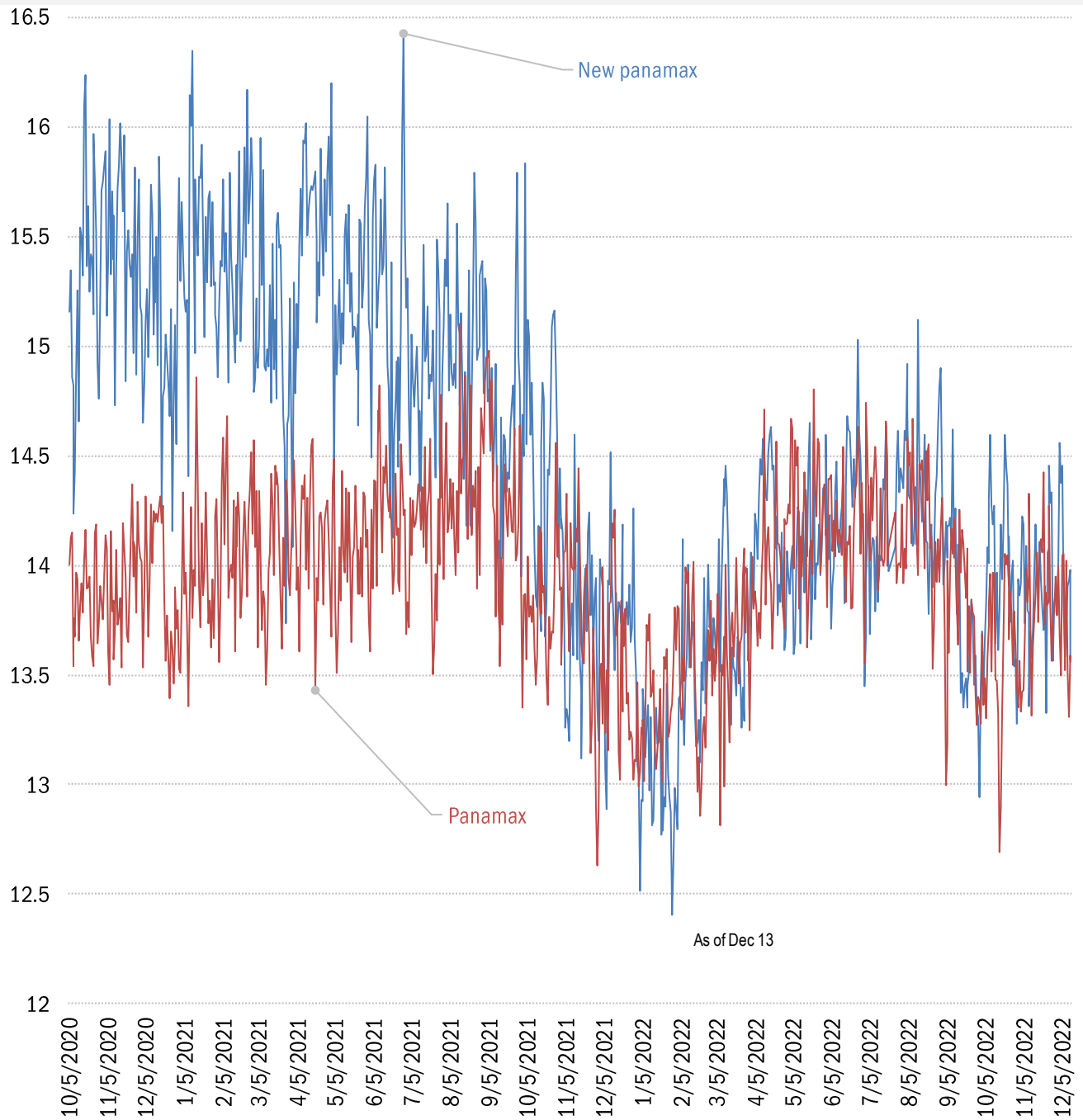
Index points



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

Container shipping speed

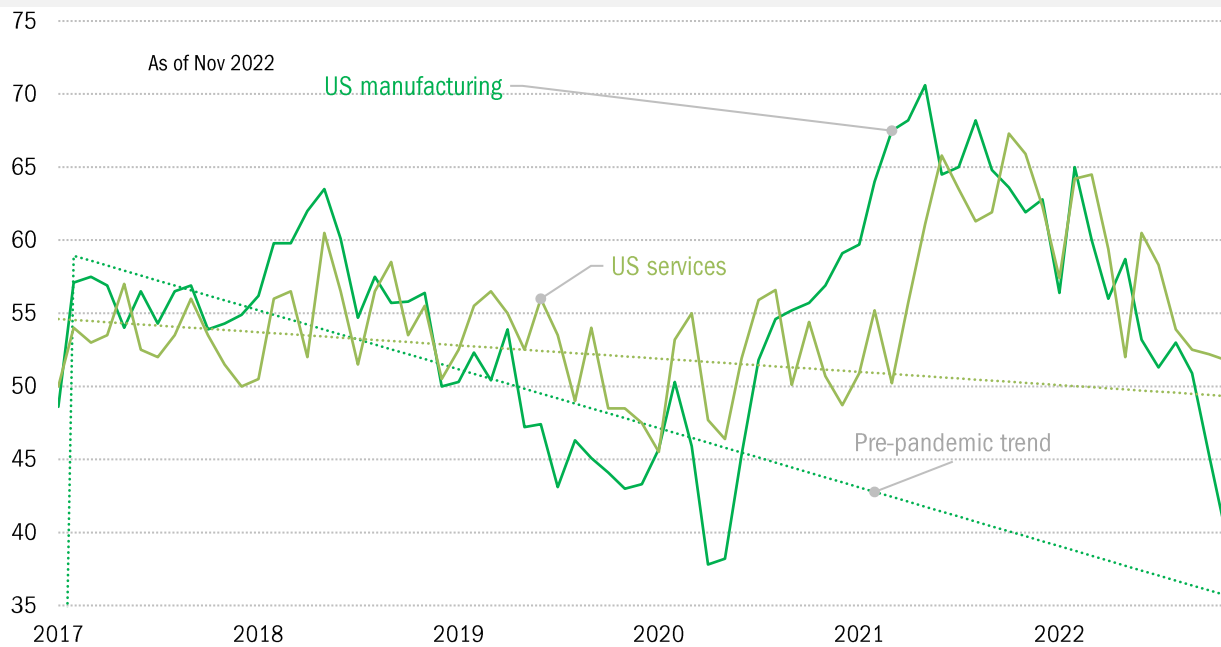
Slower speed indicates congested ports



Source: Bloomberg, TrendMacro calculations

US purchasing managers index: backlog of orders growing

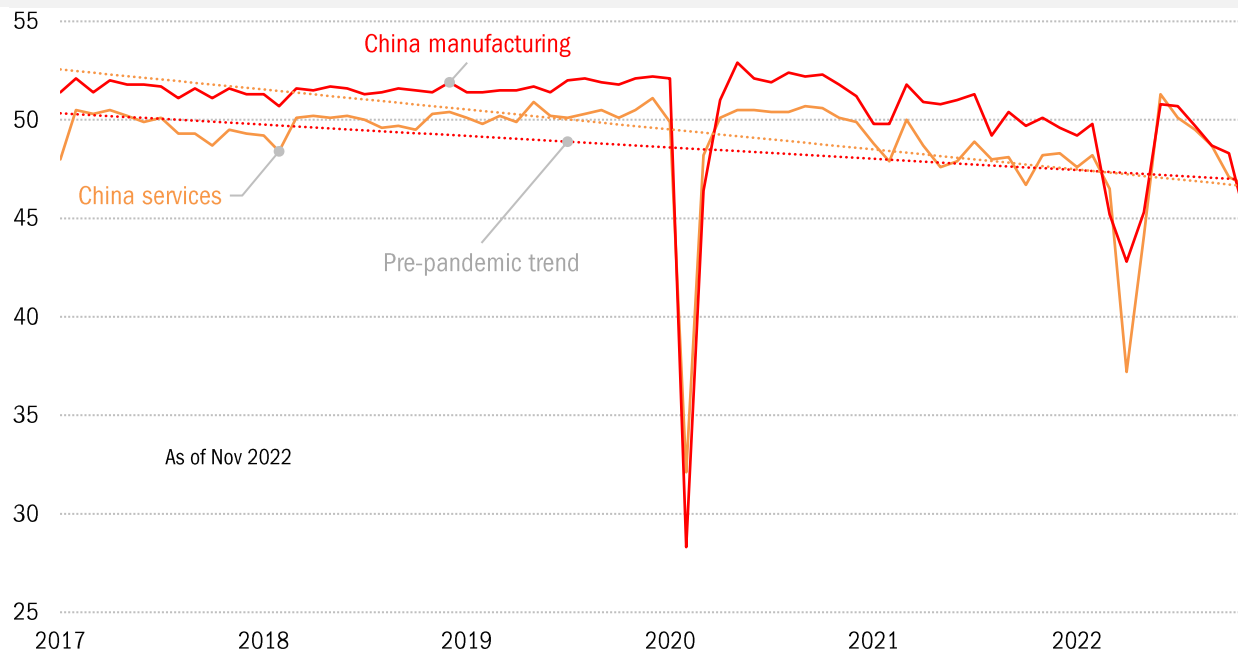
Diffusion index



Source: [ISM](#), TrendMacro calculations

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

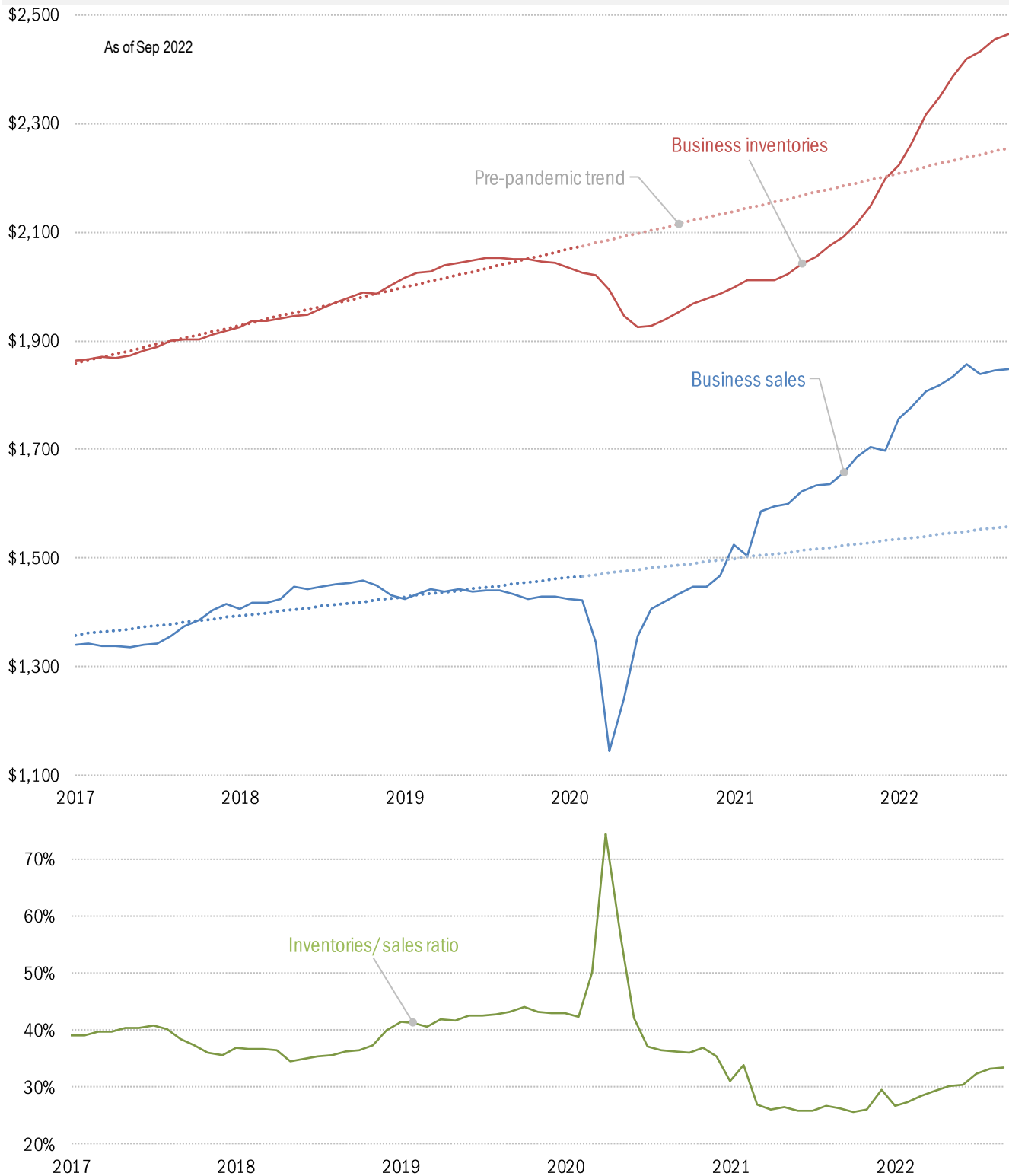
Diffusion index



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

The ecosystem: **manufacturing and trade** sales and inventories vs personal income

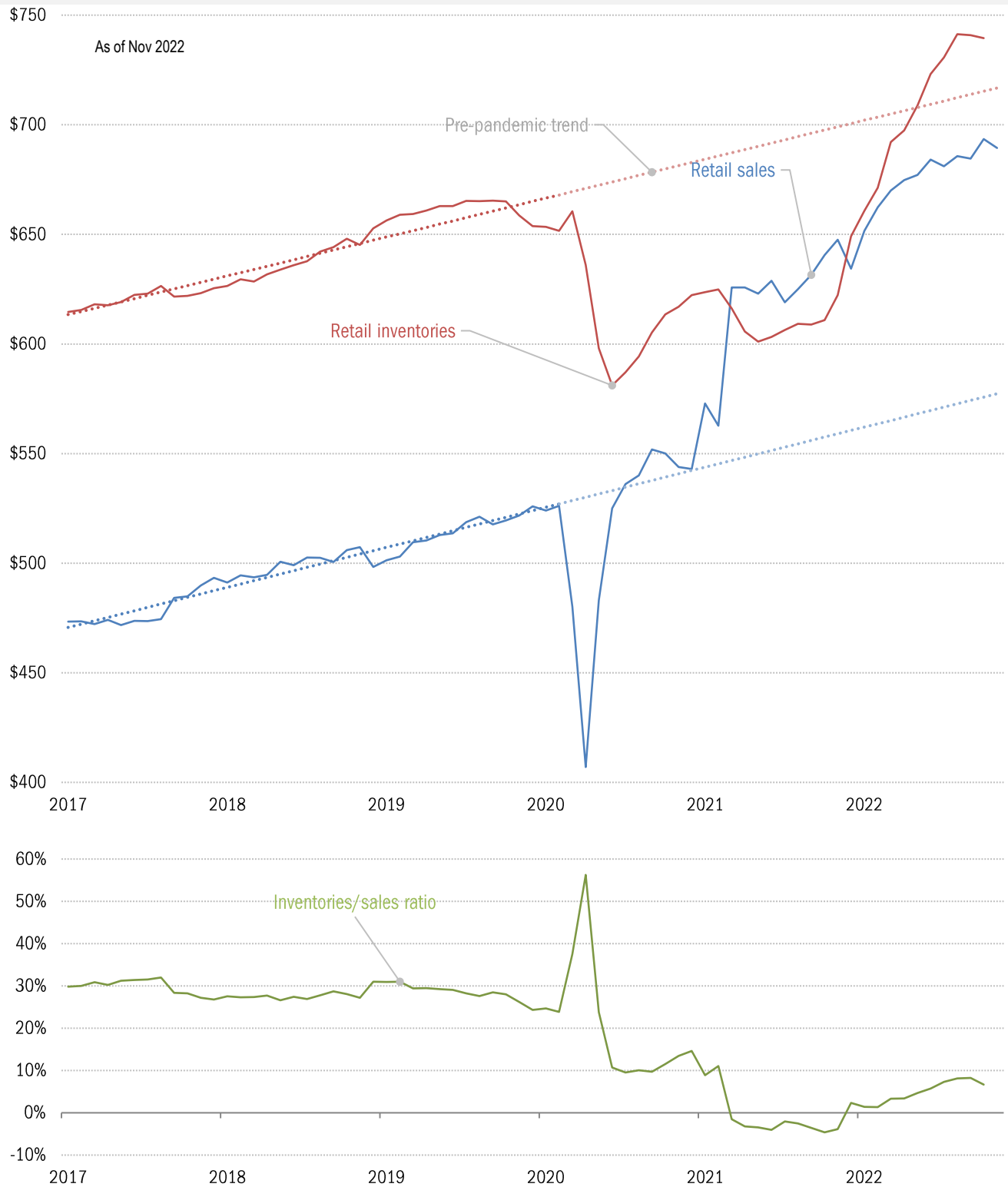
USD billions (DPI normalized to sale levels)



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

The Main Street sub-ecosystem: retail sales and inventories

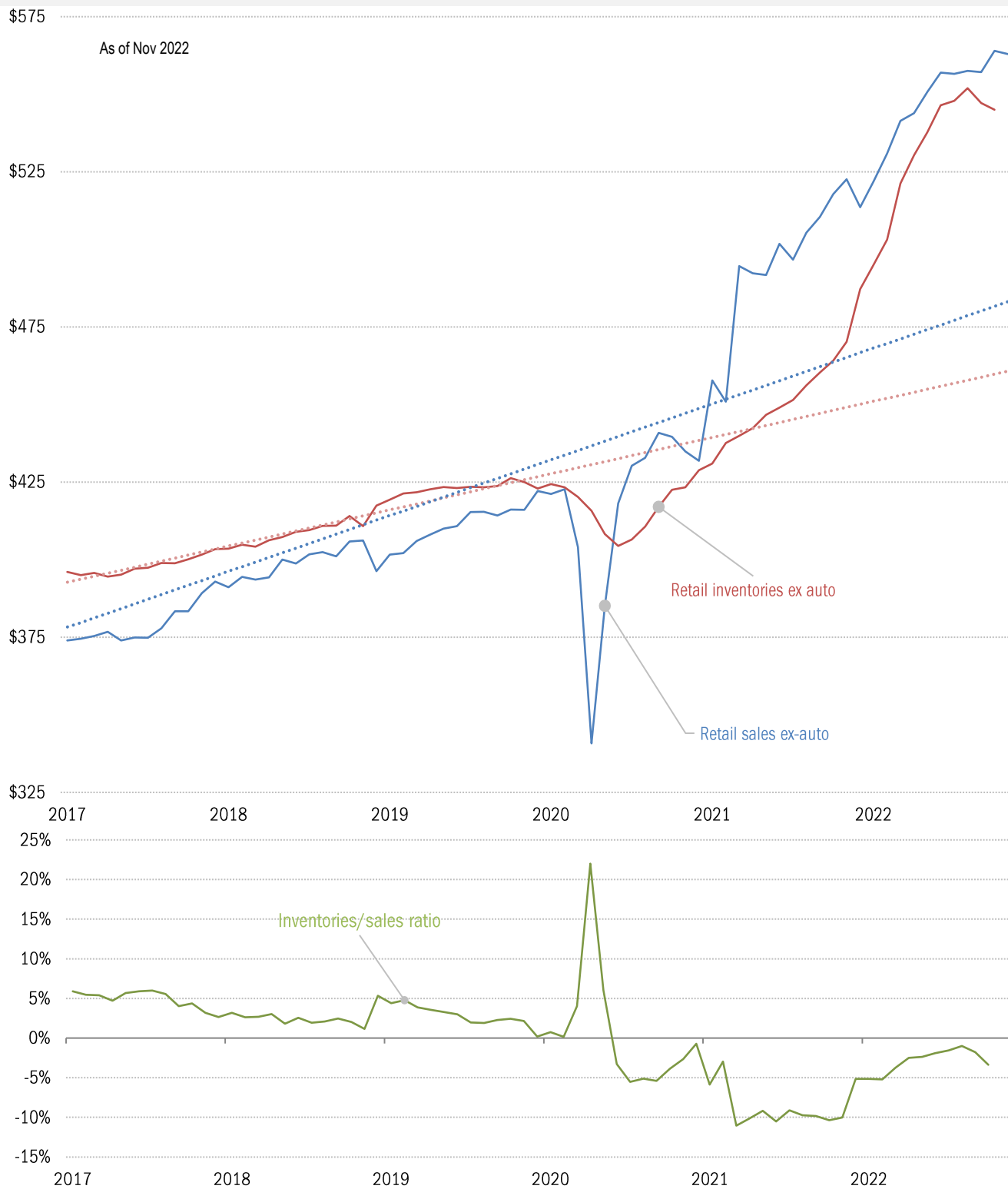
USD billions



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

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

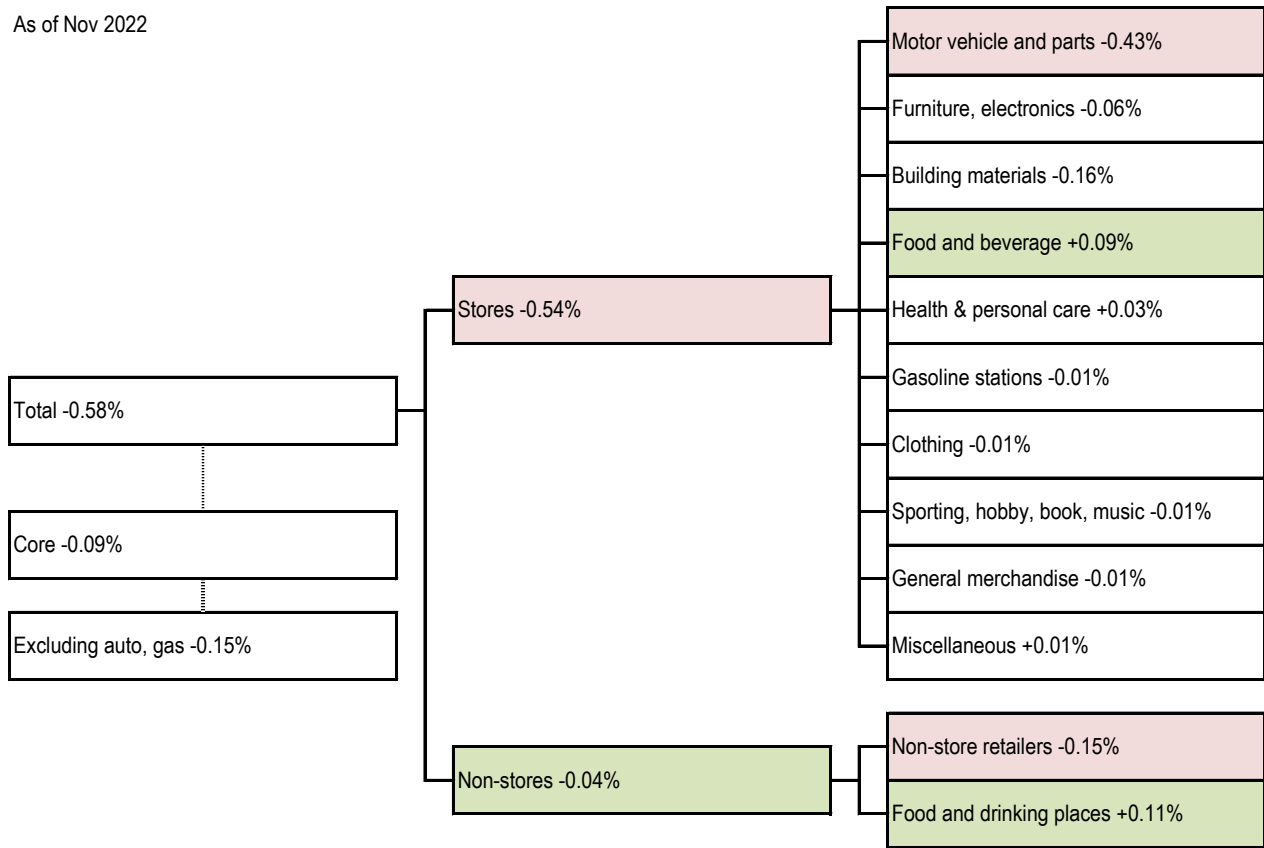
USD billions



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

Retail sales – where did the growth come from?

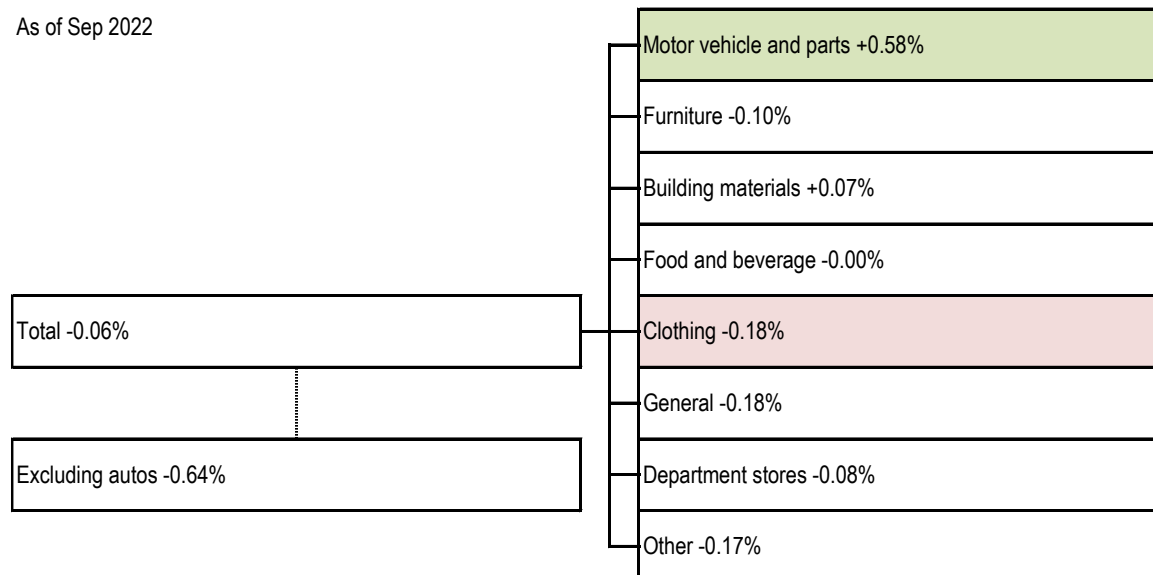
As of Nov 2022



Retail inventories – where did the growth come from?

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

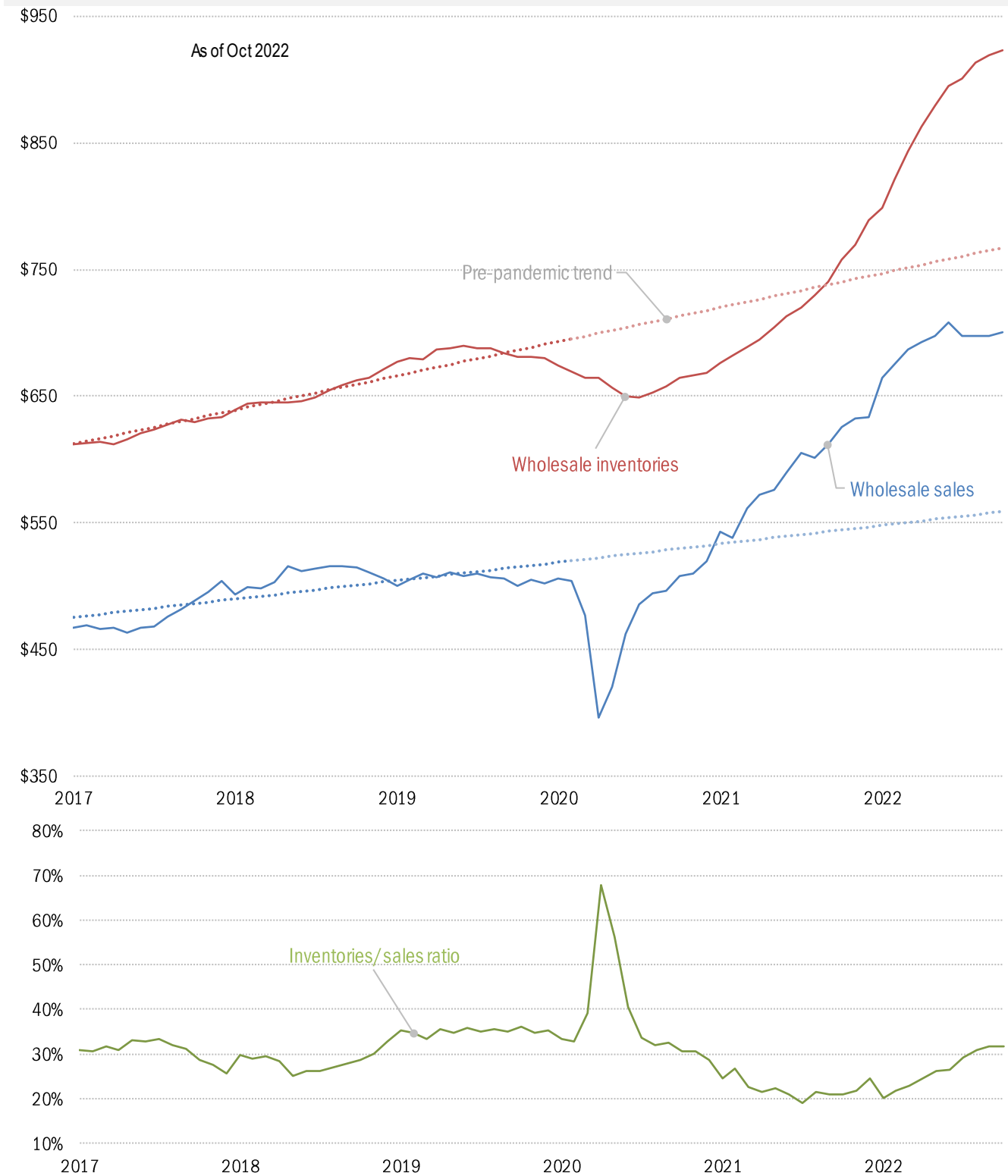
As of Sep 2022



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

The backstage sub-ecosystem: wholesale sales and inventories

USD billions

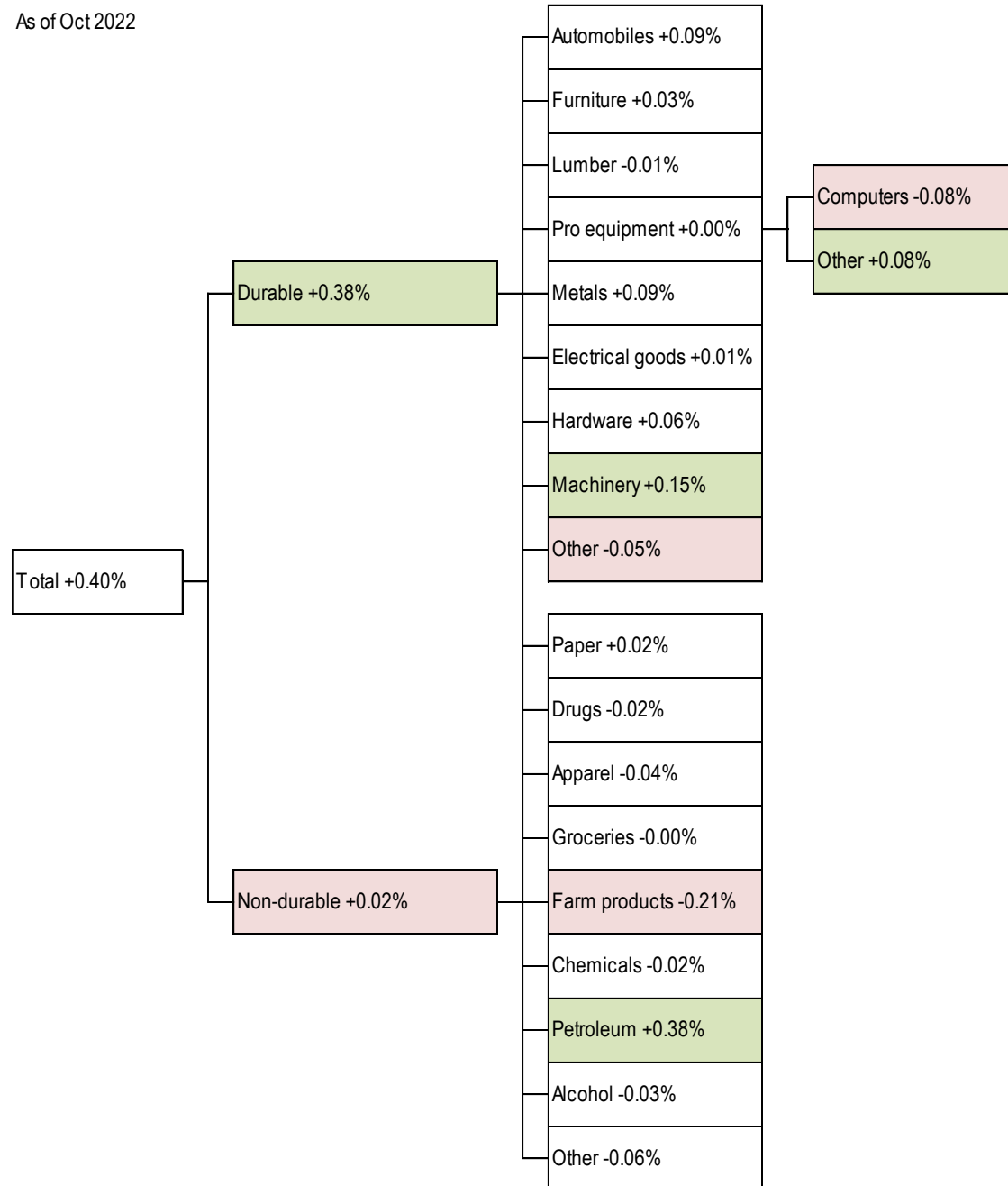


Source: [Census Bureau](#), TrendMacro calculations

Wholesale sales -- where did the growth come from?

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

As of Oct 2022

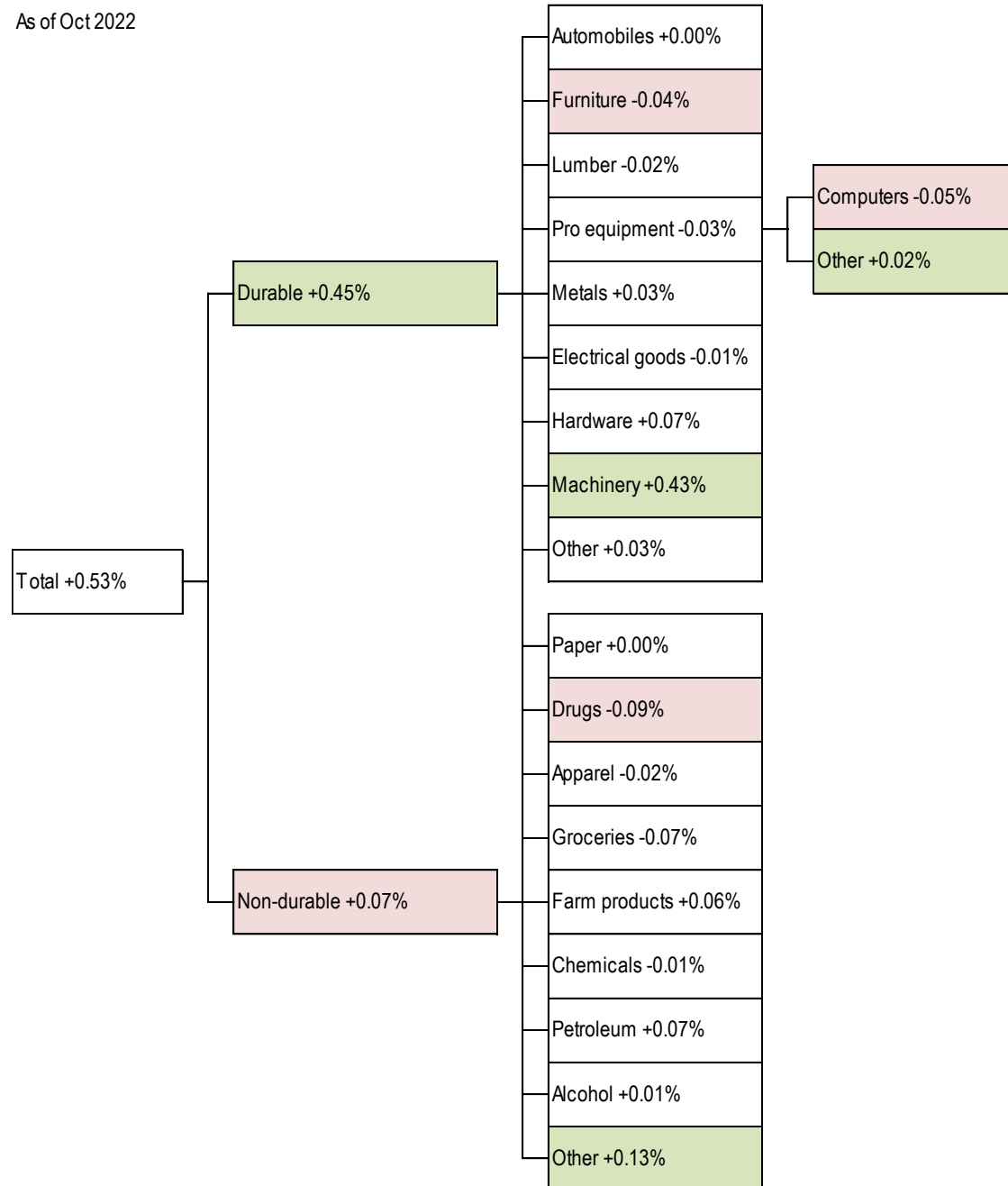


Source: [Census Bureau](#), TrendMacro calculations

Wholesale inventories -- where did the growth come from?

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

As of Oct 2022



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