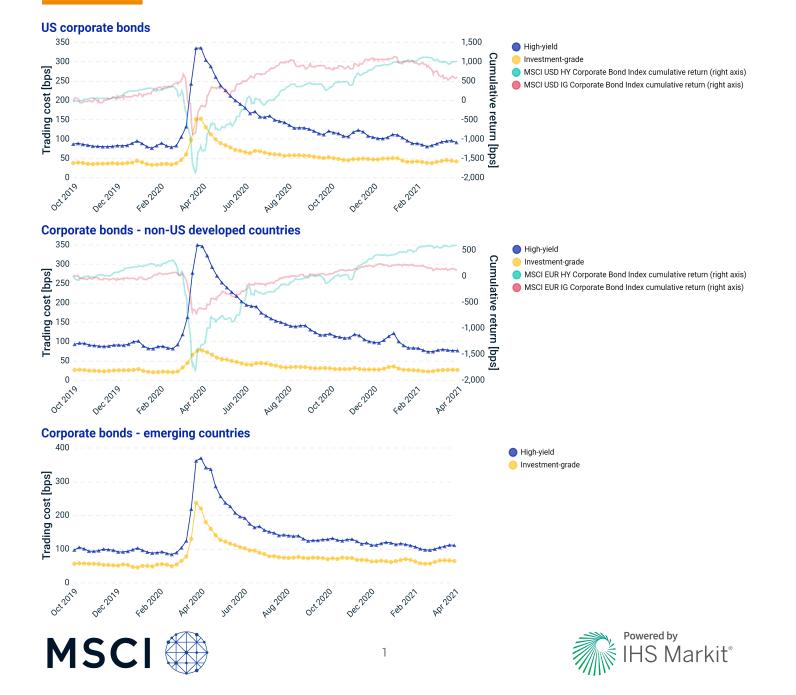
Data through March 30, 2021

Monthly report highlighting the behavior of key liquidity indicators in global markets

Corporate bonds liquidity - Cost of forced selling of USD 10 million

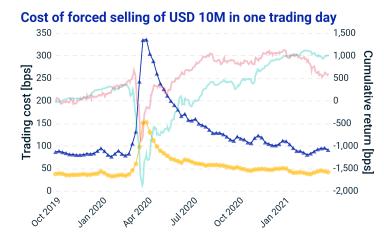
- Bid-ask spreads and market impact costs have risen slightly for U.S. corporate bonds, as well as emerging markets corporate bonds over the past month.
- Corporate bonds of non-U.S. developed countries, including the United Kingdom, did not experience an increase in transaction costs.
- The market depth of investment-grade corporate bonds have fallen slightly across all regions.



Data through March 30, 2021

Monthly report highlighting the behavior of key liquidity indicators in global markets

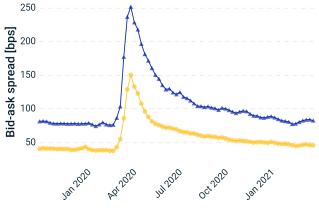
US corporate bonds



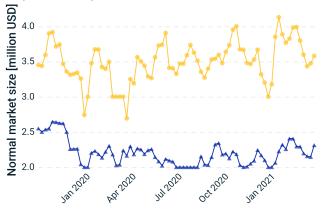


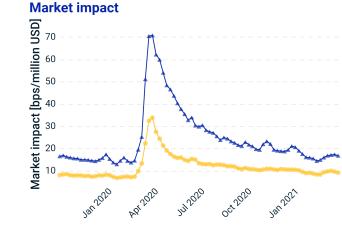
MSCI USD IG Corporate Bond Index cumulative return (right axis)

Bid-ask spread









Quoted price uncertainty



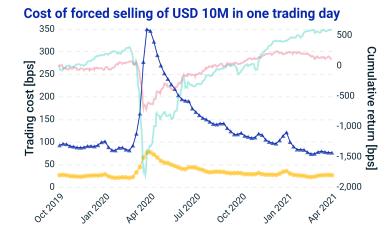




Data through March 30, 2021

Monthly report highlighting the behavior of key liquidity indicators in global markets

Corporate bonds - non-US developed countries

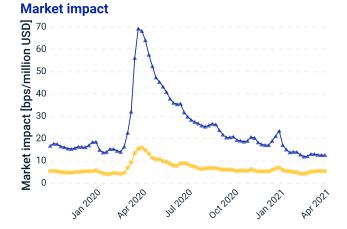


High-yield
Investment-grade
MSCI EUR HY Corporate Bond Index cumulative return (right axis)

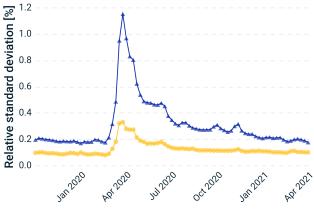
MSCI EUR IG Corporate Bond Index cumulative return (right axis)













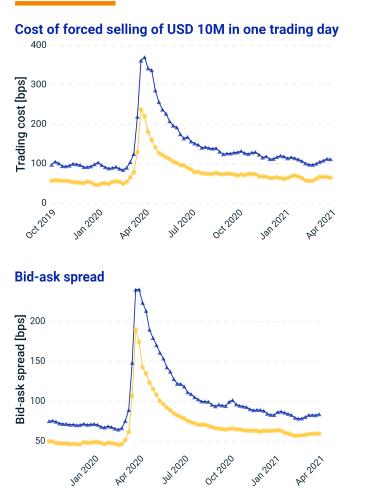
Data through March 30, 2021

Monthly report highlighting the behavior of key liquidity indicators in global markets

High-yield
Investment-grade

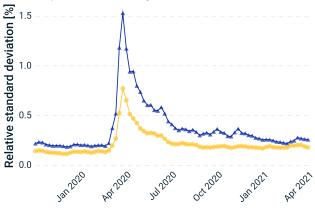
Market impact

Corporate bonds - emerging countries













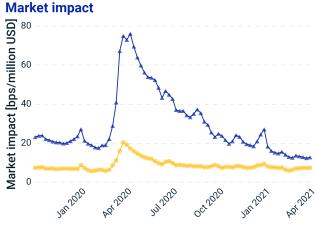
Data through March 30, 2021

Monthly report highlighting the behavior of key liquidity indicators in global markets

Corporate bonds - United Kingdom



Cost of forced selling of USD 10M in one trading day



MSCI GBP HY Corporate Bond Index cumulative return (right axis)









AP12020

Jan 2020

JU12020

oct 2020

APT 2021

1212021



250

200

150

100

50

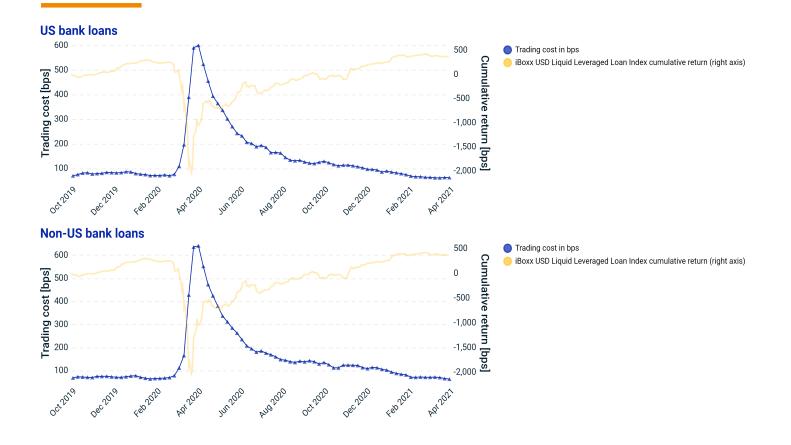
Bid-ask spread [bps]

Data through March 30, 2021

Monthly report highlighting the behavior of key liquidity indicators in global markets

Bank loans liquidity - Cost of forced selling of USD 10 million

- Both the bid-ask spread and the market impact components of the transaction cost remained flat for U.S. and non-U.S. bank loans throughout March.
- The market depth of bank loans has somewhat decreased across all regions.
- The quoted-price uncertainty has remained flat for U.S. bank loans and has mildly decreased for non-U.S. bank loans, remaining around the pre-COVID levels.





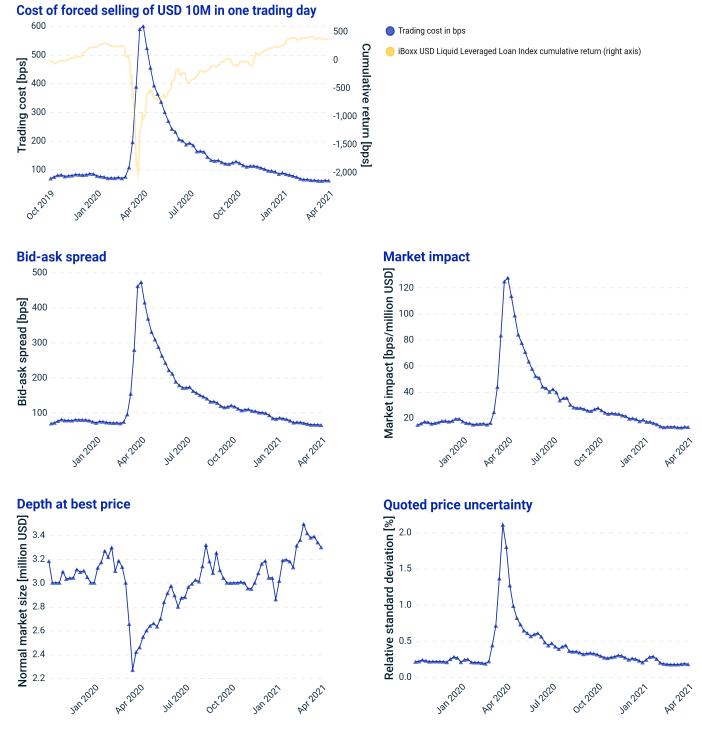


Data through March 30, 2021

Monthly report highlighting the behavior of key liquidity indicators in global markets

US bank loans

MSCI

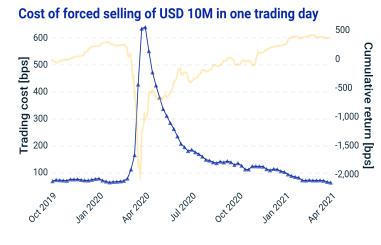




Data through March 30, 2021

Monthly report highlighting the behavior of key liquidity indicators in global markets

Non-US bank loans



Trading cost in bps

iBoxx USD Liquid Leveraged Loan Index cumulative return (right axis)

Bid-ask spread

