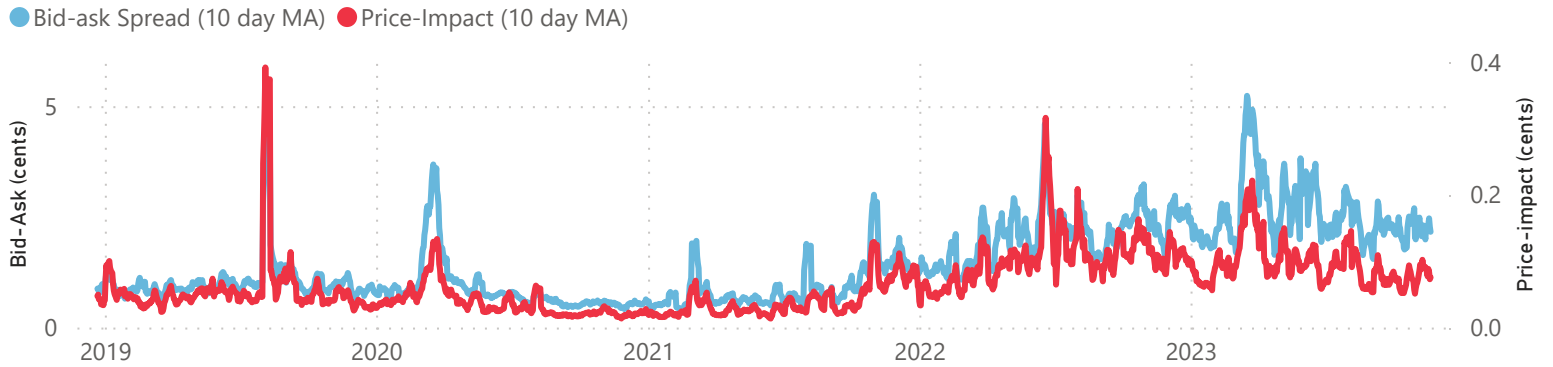
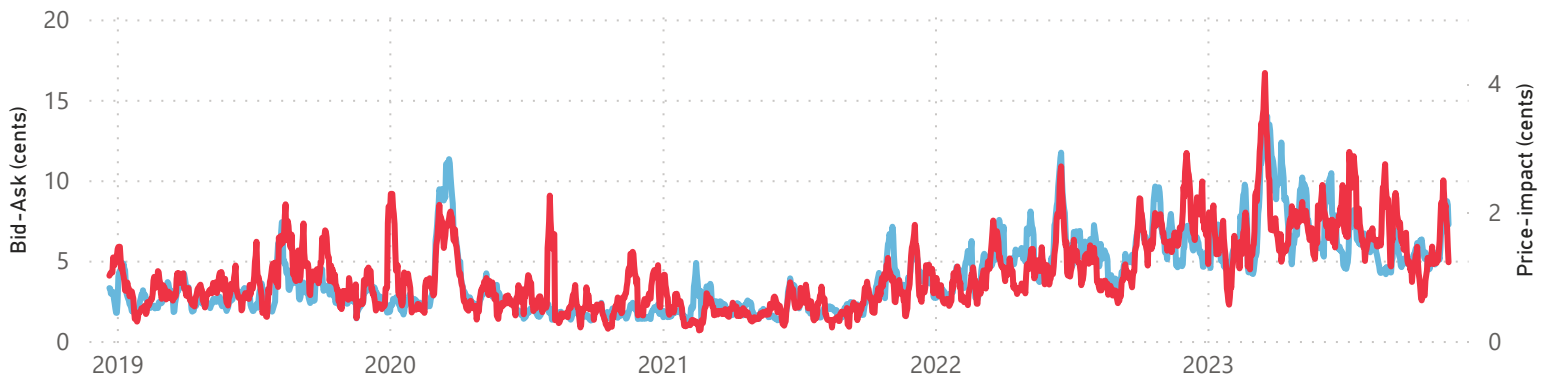


**Government of Canada Bonds  
Bid-Ask Spread and Price Impact**

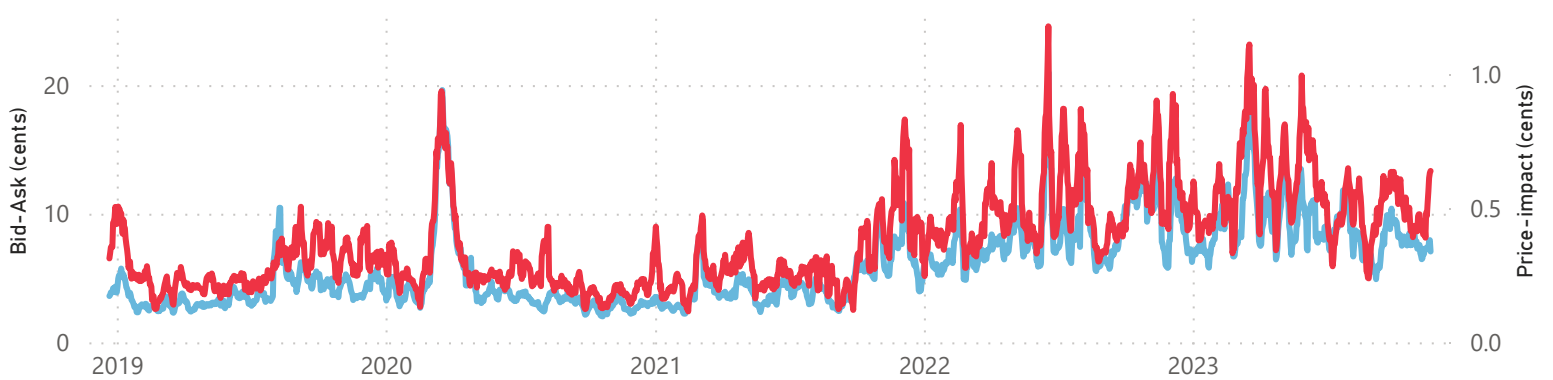
**2y Benchmark**



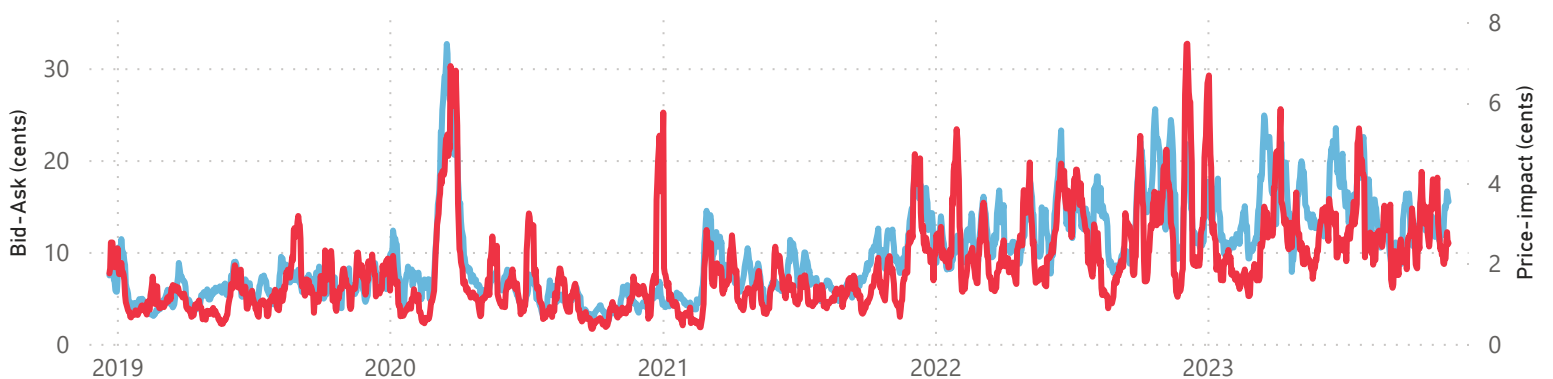
**2y Non-Benchmark**



**5y Benchmark**



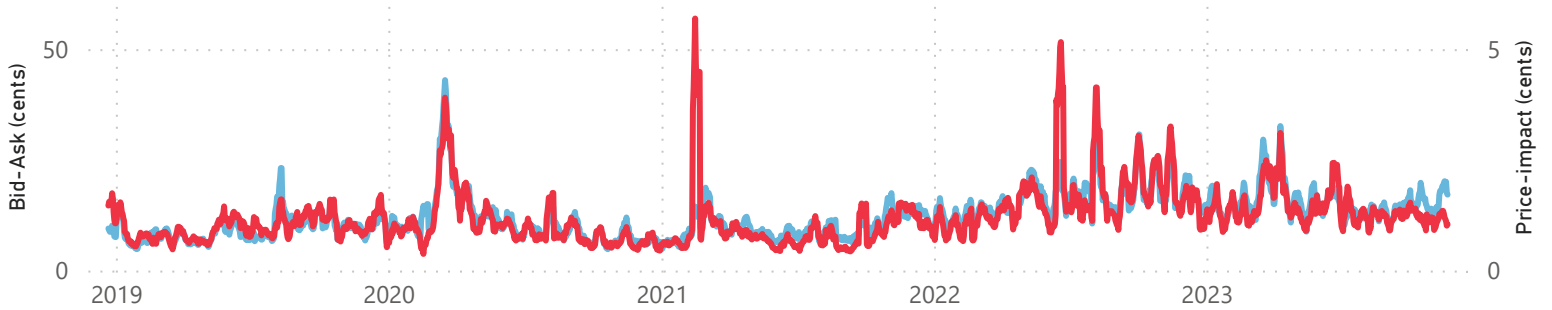
**5y Non-Benchmark**



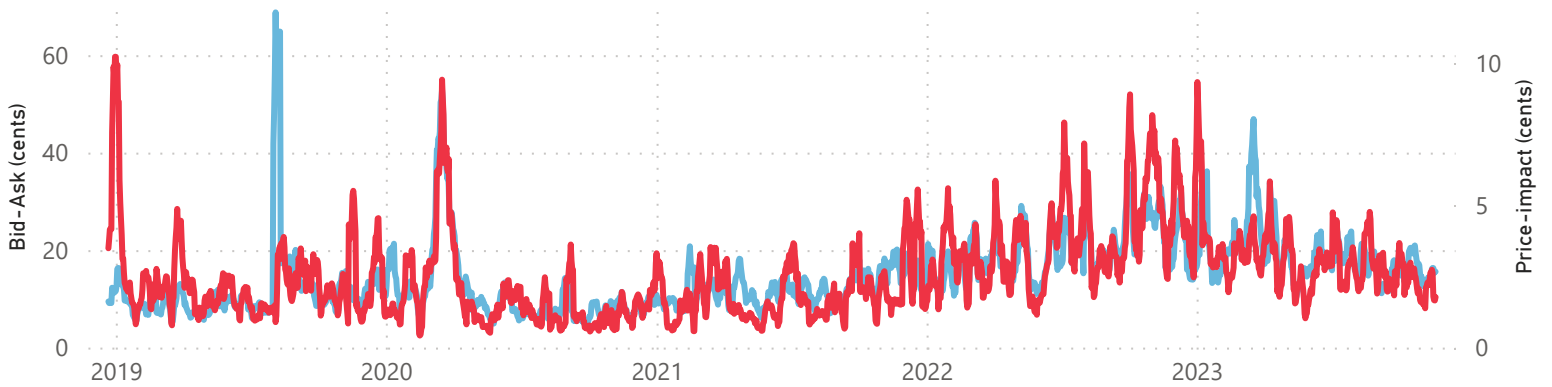
**Government of Canada Bonds  
Bid-Ask Spread and Price Impact**

**10y Benchmark**

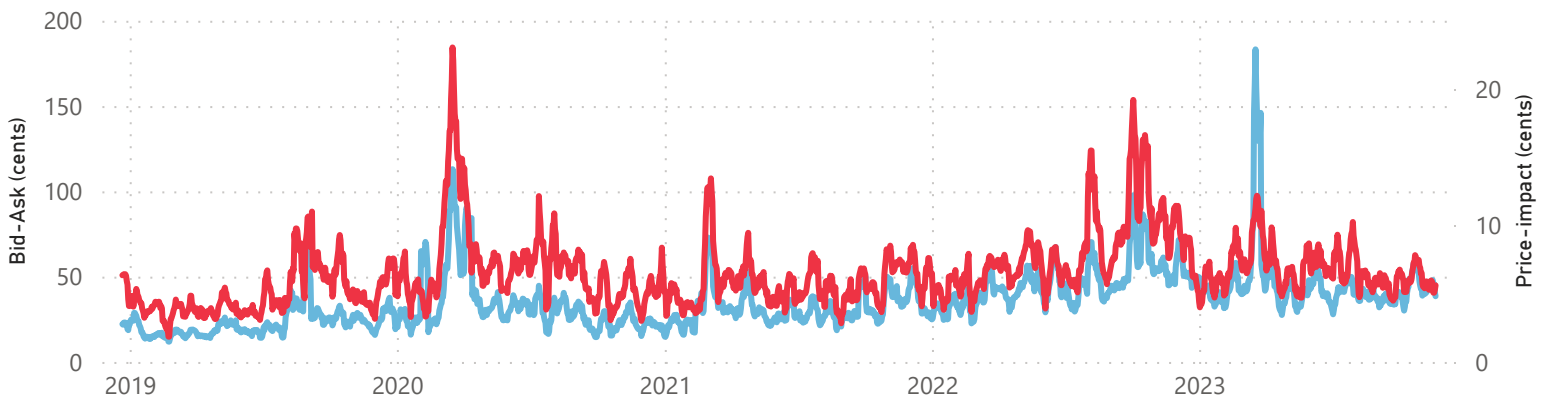
● Bid-ask Spread (10 day MA) ● Price-Impact (10 day MA)



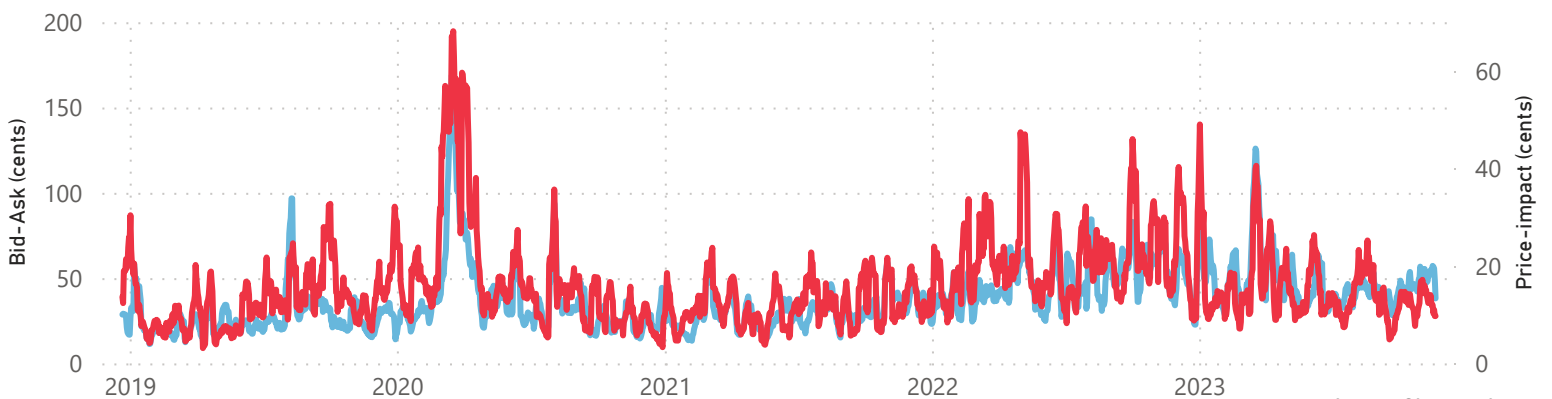
**10y Non-Benchmark**



**30y Benchmark**



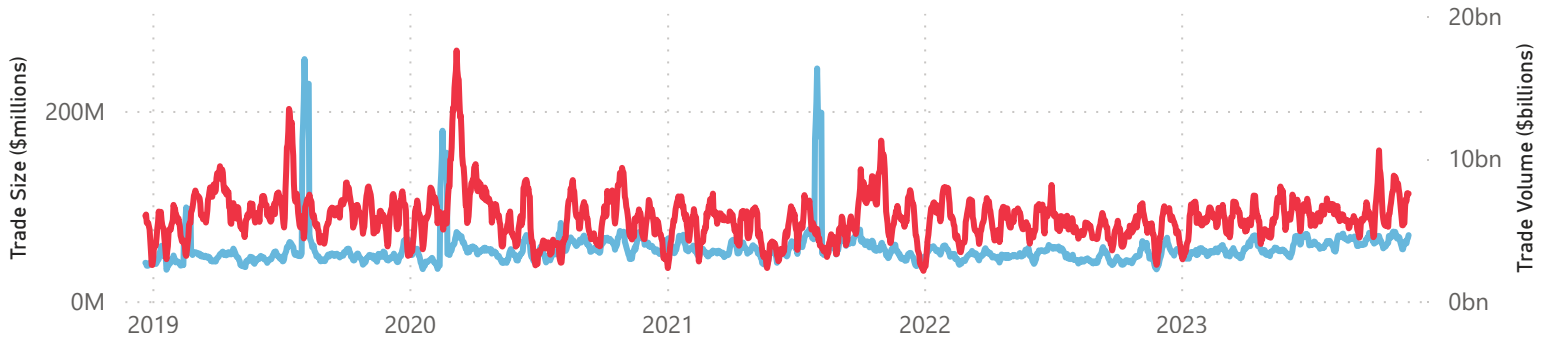
**30y Non-Benchmark**



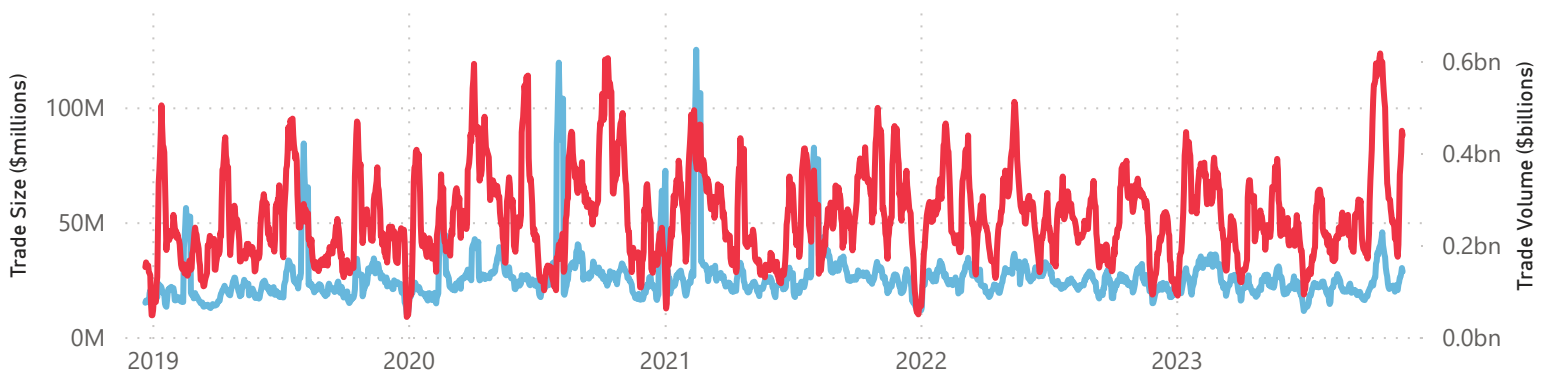
**Government of Canada Bonds  
Trade Size and Trade Volume**

**2y Benchmark**

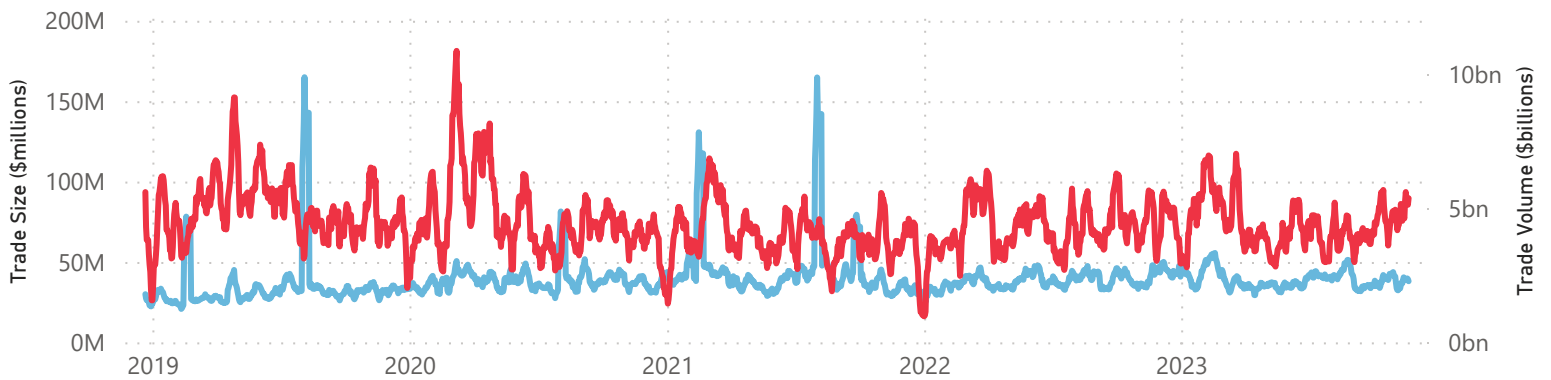
● Trade Size (10 day MA) ● Trade Volume (10 day MA)



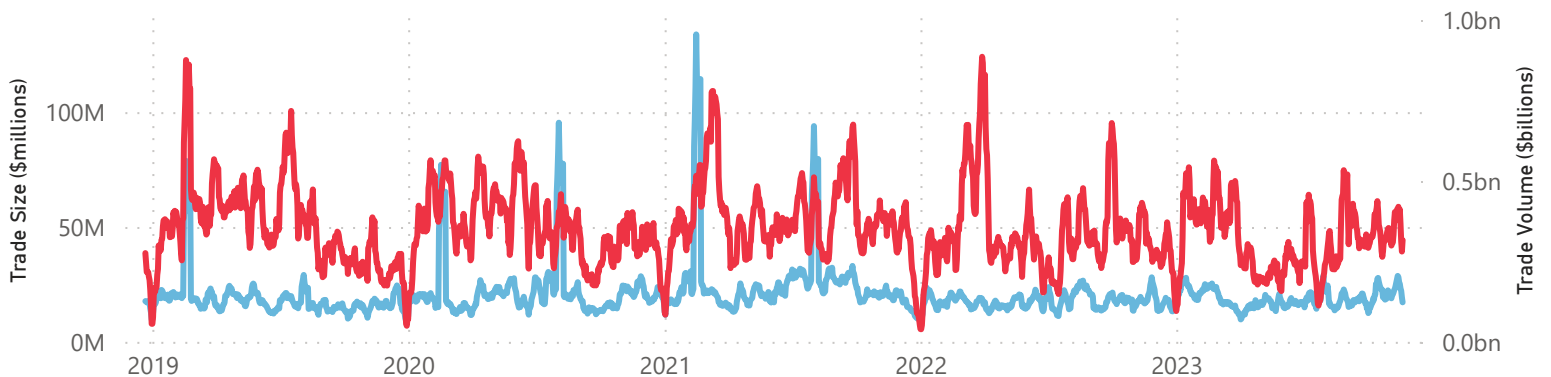
**2y Non-Benchmark**



**5y Benchmark**



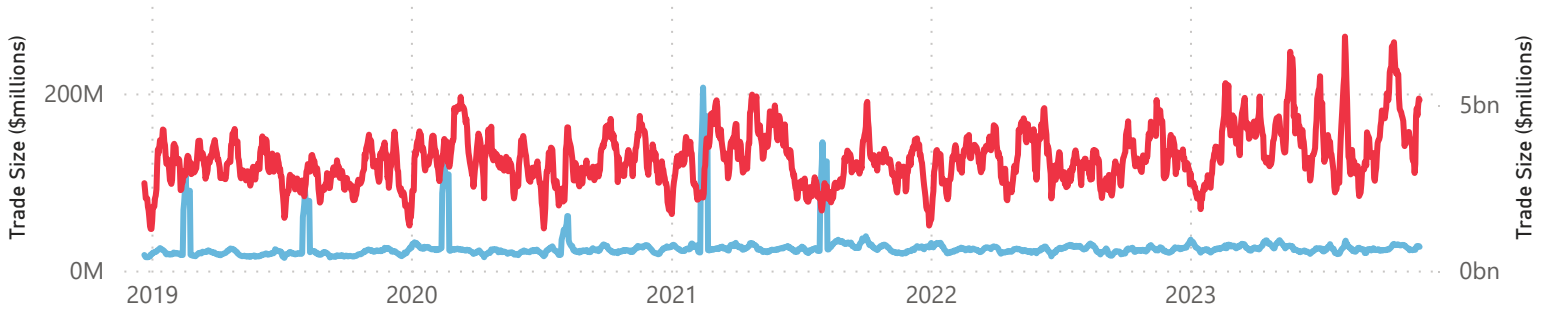
**5y Non-Benchmark**



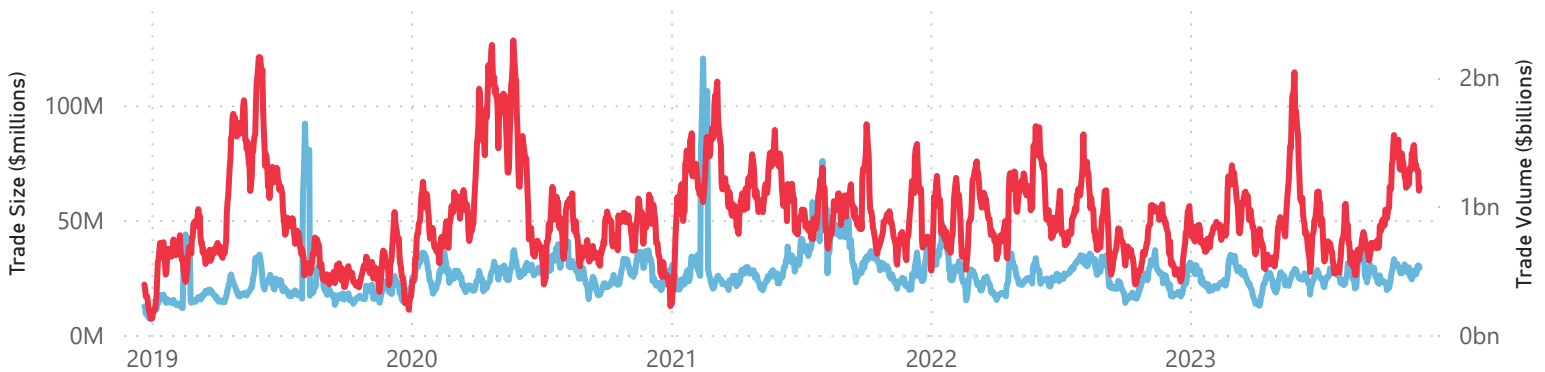
## Government of Canada Bonds Trade Size and Trade Volume

### 10y Benchmark

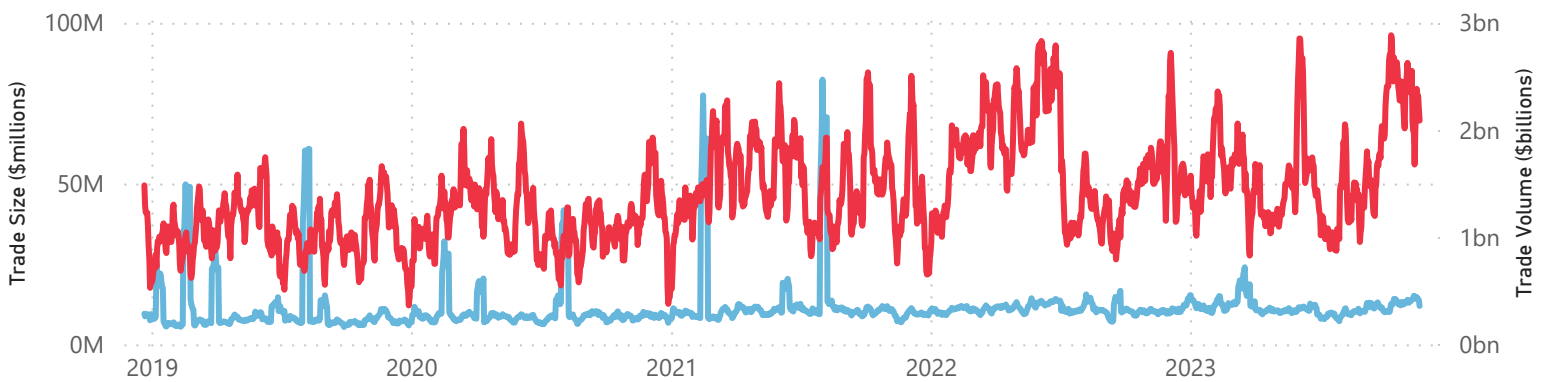
● Trade Size (10 day MA) ● Trade Volume (10 day MA)



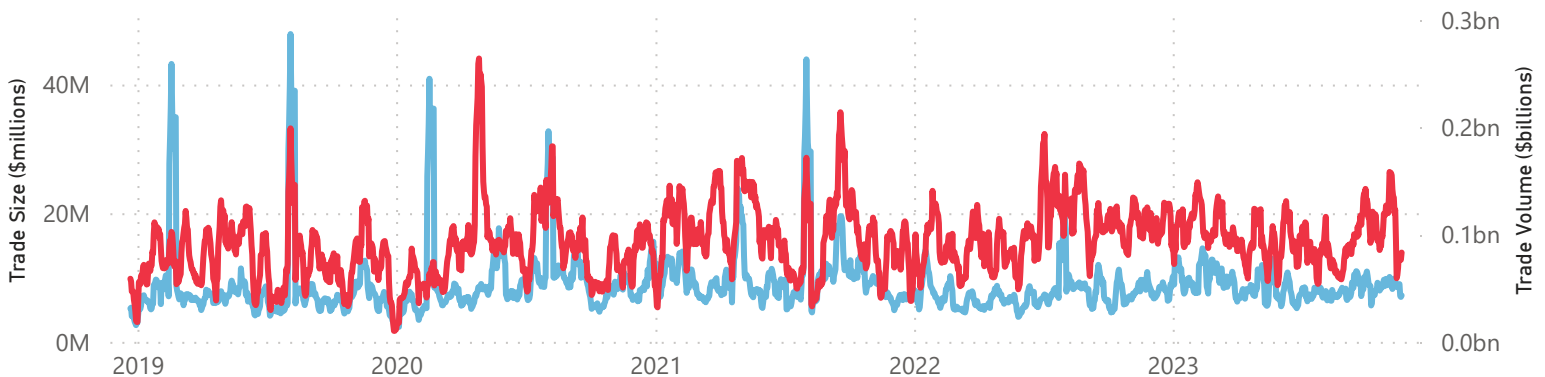
### 10y Non-Benchmark



### 30y Benchmark

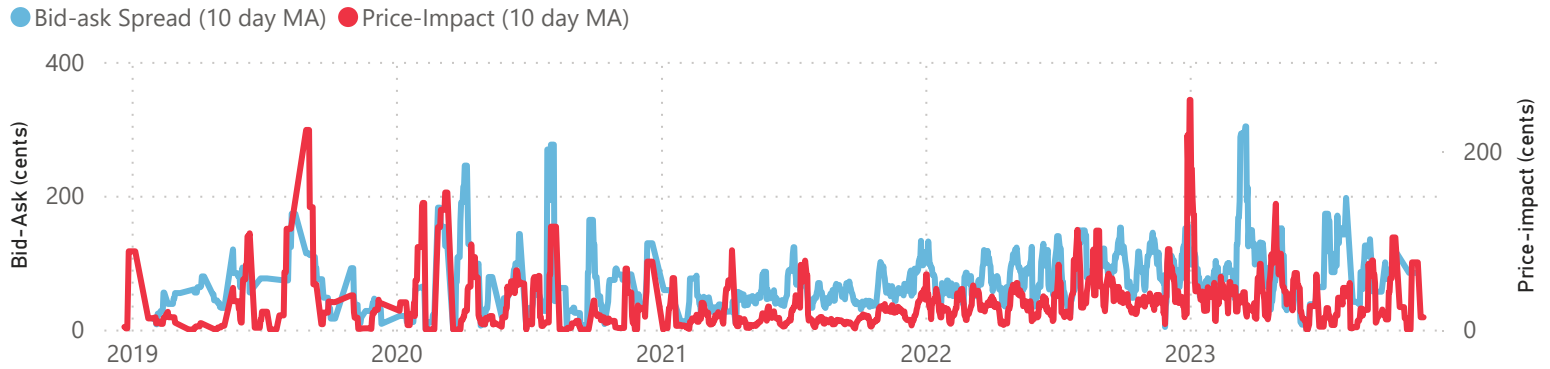


### 30y Non-Benchmark

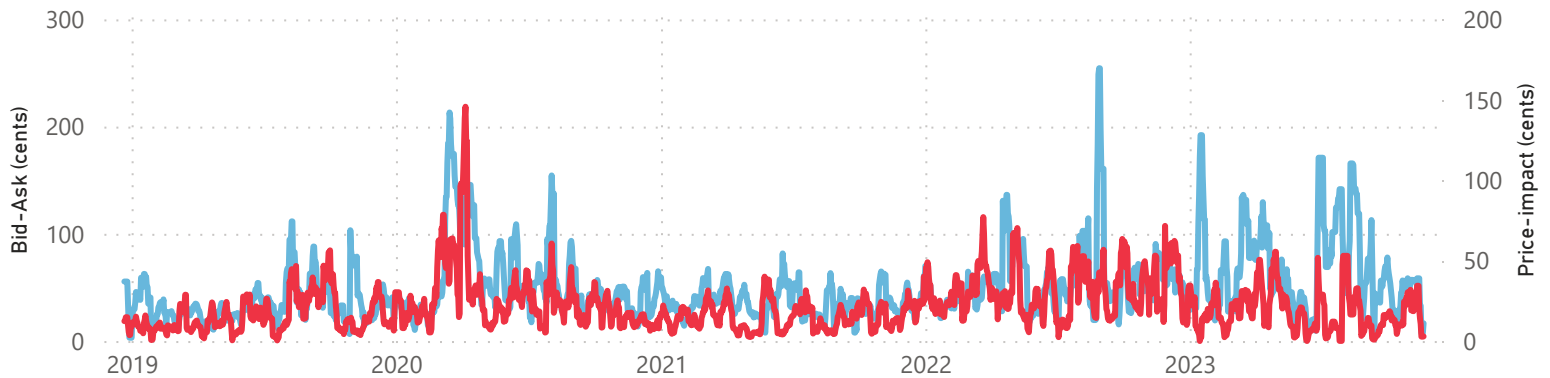


**Government of Canada Real Return Bonds  
Bid-Ask Spread and Price Impact**

**RRB Benchmark**

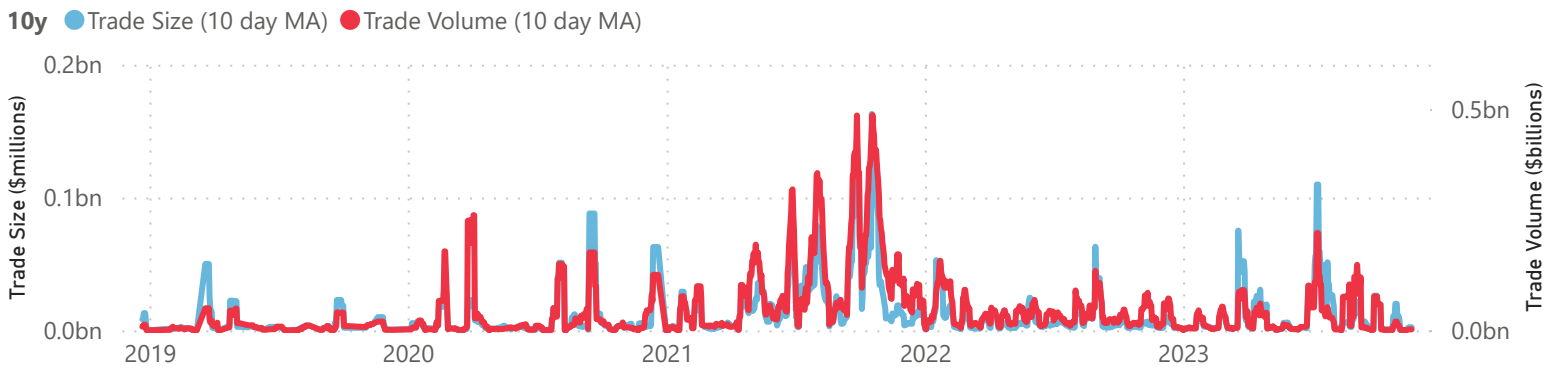


**RRB Non-Benchmark**

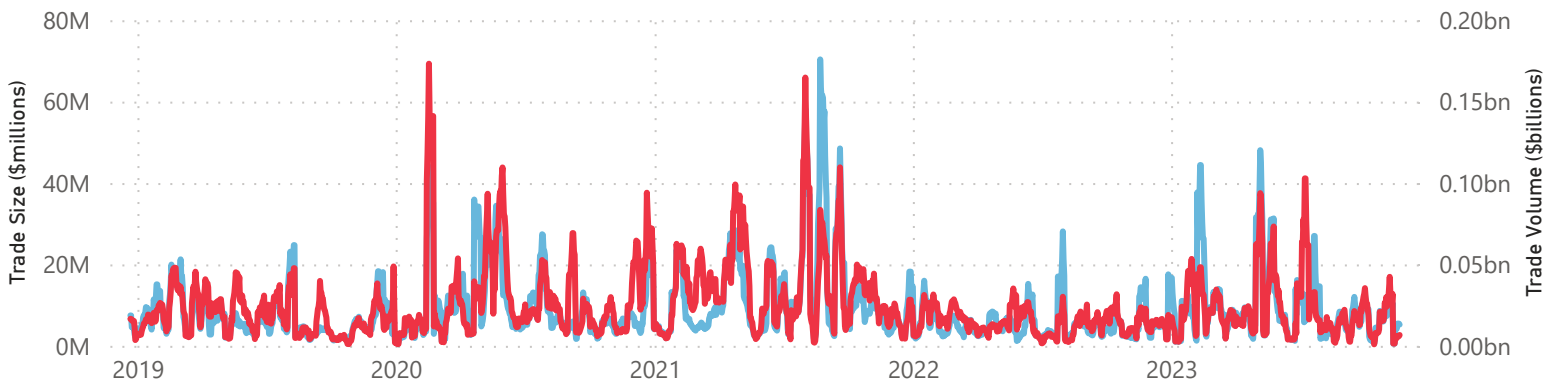


**Trade Size and Volume**

**RRB Benchmark**

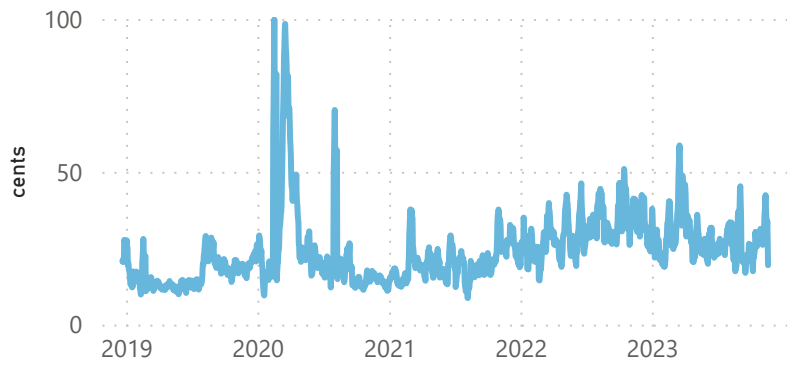


**RRB Non-Benchmark**

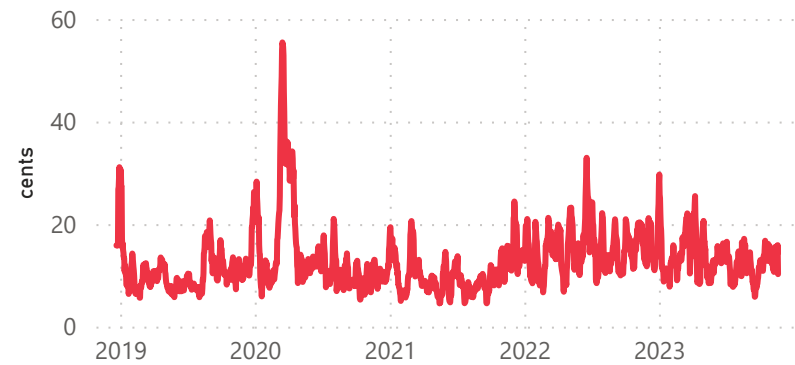


## Provincial Bond Market

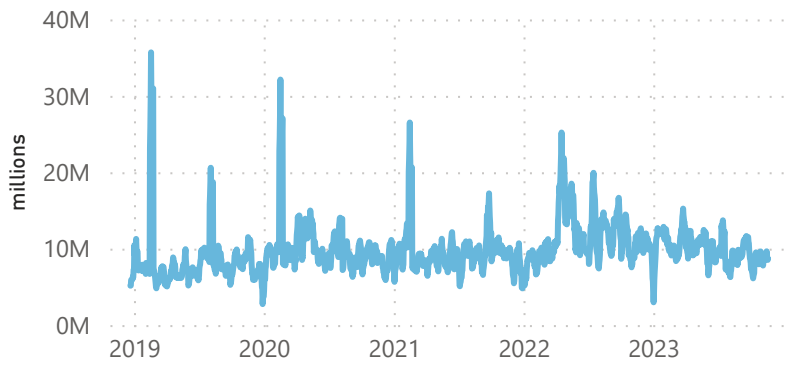
Bid-Ask Spread (10 day MA)



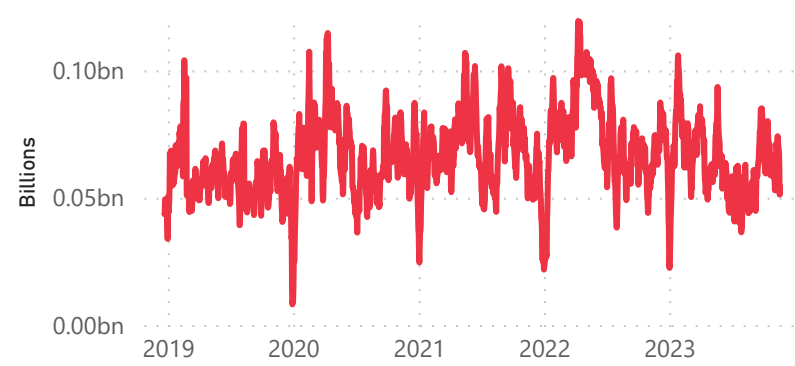
Price-Impact Proxy (10 day MA)



Trade Size (10 day MA)

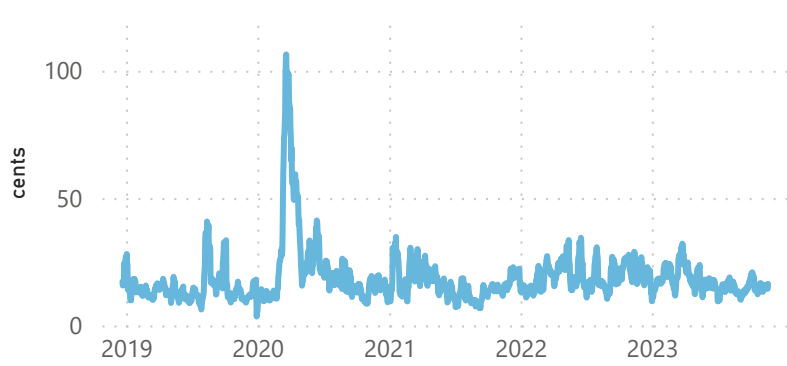


Trade Volume(10 day MA)

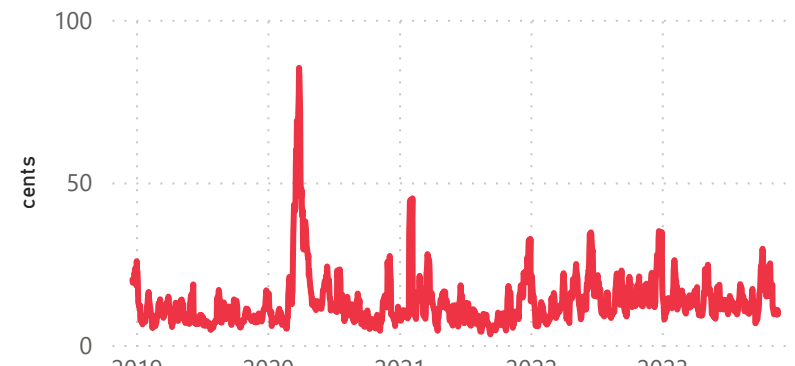


## Corporate Bond Market

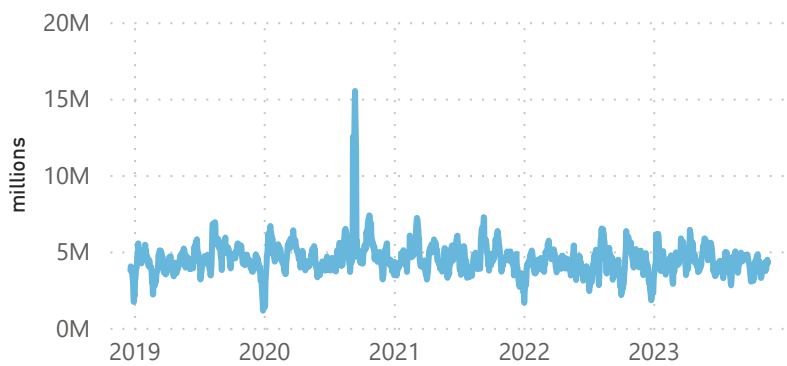
Bid-Ask Spread (10 day MA)



Price-Impact Proxy (10 day MA)



Trade Size (10 day MA)



Trade Volume(10 day MA)

