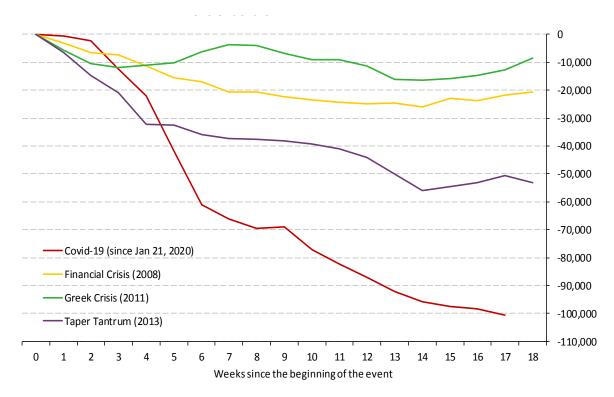


Accumulated Portfolio Flows to Emerging Markets (Fixed Income and Equity) during Risk Events

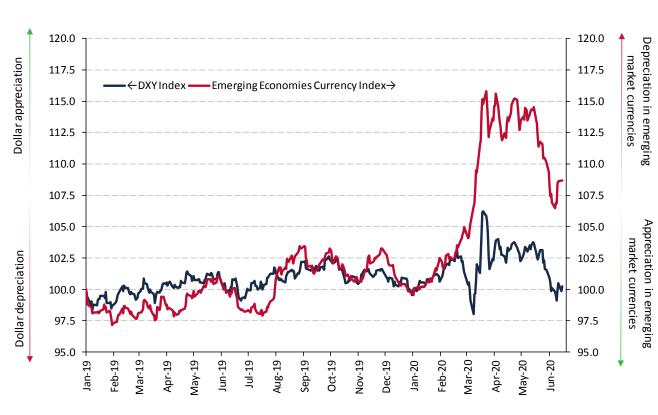
Millions of US dollars



Source: EPFR.

EM Currencies Index and DXY Index

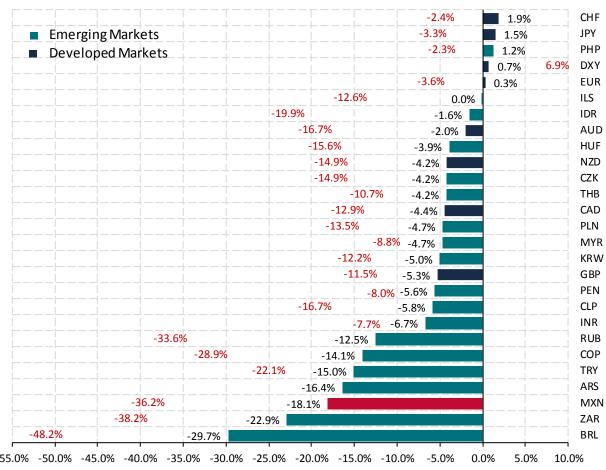
Index (100 = Jan 2019)



The EM currency index includes: Peru, Philippines, Poland, Hungary, South Korea, South Africa, Russia, Brazil, Colombia, Chile, Malaysia, Czech Republic, India and Mexico.

Source: Bank of Mexico with data from Bloomberg

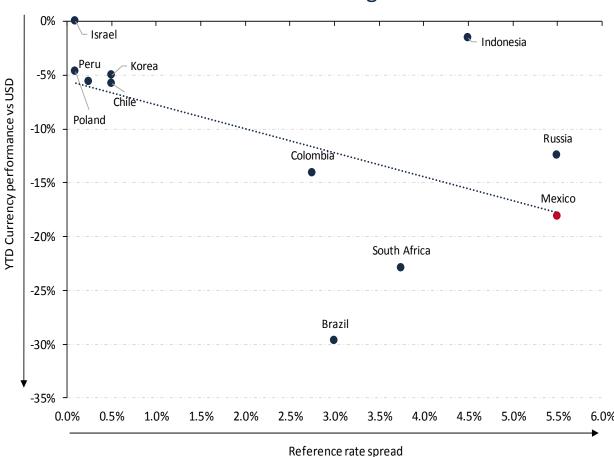
Performance of Selected Currencies in 2020 Percentage



Note: Red figures represent the largest YTD depreciation against the USD for each currency during 2020. For the DXY Index, the red figure represents the largest appreciation. Source: Calculations made by Bank of Mexico with Bloomberg data.

Emerging Markets Currency Performance during 2020 and Reference Rate Spread

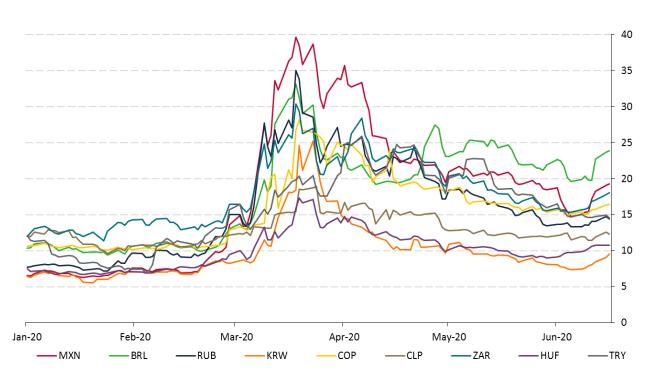
Percentage



Source: Bank of Mexico with data from Bloomberg.

Implied Volatility for 1-month ATM Options for Selected EM Currencies

Percentage



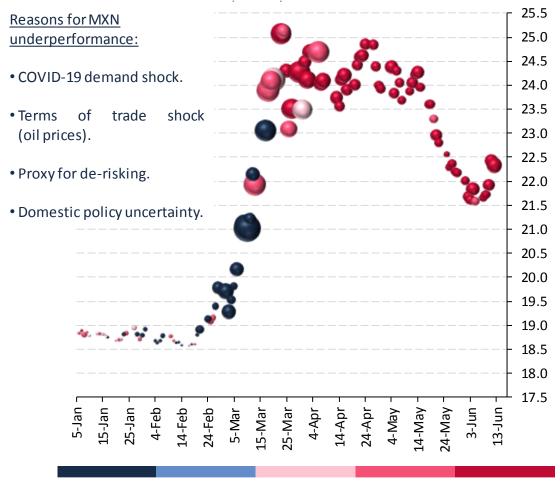
Source: Bloomberg.

Foreign exchange market interventions conducted by EM central banks due to the COVID-19 crisis

Foreign exchange interventions in EMEs			
	In spot	In derivatives	Credit lines
Mexico	No	Yes	Yes
Brazil	Yes	Yes	Yes
Colombia	No	Yes	No
Chile	No	Yes	No
Peru	Yes	Yes	No
Russia	Yes	No	No
Turkey	No	Yes	No
Israel	No	Yes	No
India	No	Yes	No
Indonesia	Yes	Yes	No
South Korea	No	No	Yes

Source: Information provided by the corresponding central bank, Bloomberg and Refinitiv.

Mexican Peso Exchange Rate and Trading Conditions Mexican pesos per US dollar



More turnover Less turnover

Note: Spot trade volume is classified in quintiles according to historical data since January 2017 until today. The size of the sphere is determined by the level of intraday realized volatility. Source: Bank of Mexico calculations using internal and Bloomberg data.

Speculative Positioning and Carry-to-risk in the Mexican Peso Millions of US Dollars; Index

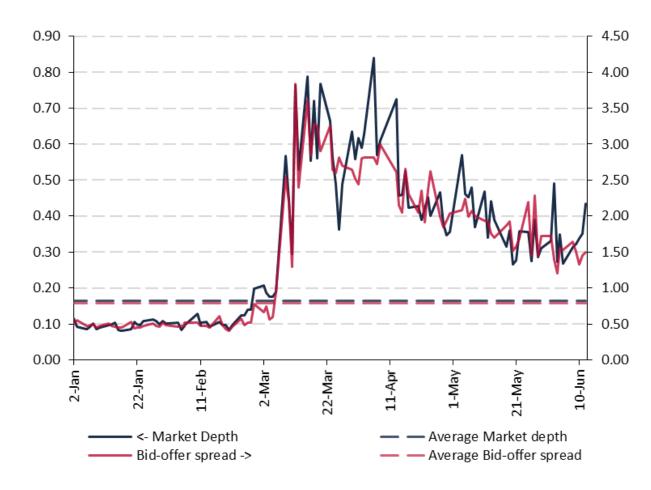


Source: Banco de México using Bloomberg data, CME



Mexican peso Trading Conditions

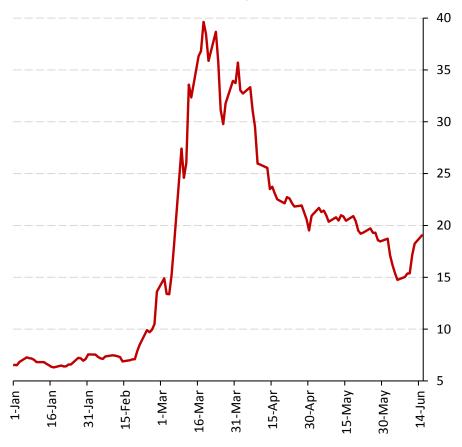
Mexican peso cents



Source: Bank of Mexico.

Historical 1-month implied volatility in USD/MXN ATM options

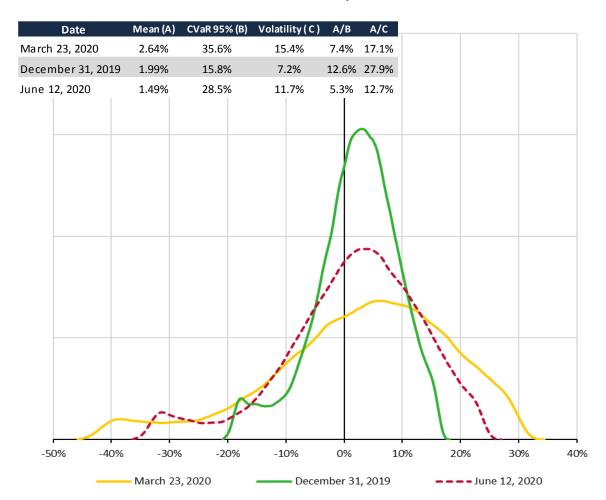
Percentage



Source: Bloomberg

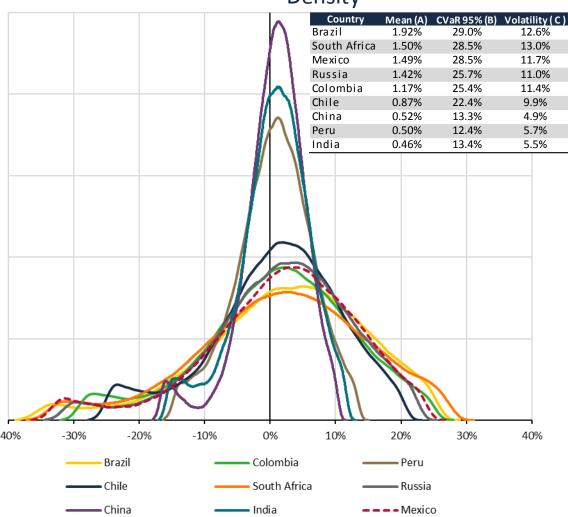
FX Option Implied Distribution of US dollar returns of an investment in the Mexican peso¹

Density



FX Option Implied Distribution of US dollar returns of selected EM investments¹

Density



Source: Bank of Mexico with Blomberg data. 1/ Assumes an investment in a 1 year time deposit. The distributions are obtained from the volatility smile of one year options of the CCYUSD cross, using the Breeden-Litzenberger methodology and Epanechnikov Kernels.

6.6% 15%

5.3% 13%

12%

13%

10%

9%

11%

5.3%

5.5%

4.6%

3.9%

3.9%

4.0%

3.5%

