

Draft

Board of Governors of the Federal Reserve System



Report Forms for the Central Bank Survey of Foreign Exchange and Derivatives Market Activity—FR 3036

Turnover Survey as of April ~~2019~~ 2022

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Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A1—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2019 ~~2018~~ 2022

| U.S. Dollar Amounts in Millions | USD against | | | | | | | | | | | | | | | | | Total | | | | | | | |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|--------------------|--|------|
| | AUD | BRL | CAD | CHF | CNY | EUR | GBP | HKD | INR | JPY | KRW | MXN | NOK | NZD | PLN | RUB | SEK | | SGD | TRY | TWD | ZAR | Other ² | | |
| INSTRUMENTS | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPOT³ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 1.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 1.b. |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | 2. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 2.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 2.b. |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | | | 2.c. |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | | | 2.d. |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | | | 2.e. |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | 2.f. |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | | | 2.g. |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | | | 2.h. |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | 3. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 3.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 3.b. |
| Total Spot | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | 2. |
| OUTRIGHT FORWARDS⁴ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 1.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 1.b. |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | 2. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 2.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 2.b. |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | | | 2.c. |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | | | 2.d. |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | | | 2.e. |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | 2.f. |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | | | 2.g. |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | | | 2.h. |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | 3. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 3.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 3.b. |
| Total Outright Forwards | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | 2. |
| 3. o/w non-deliverable forwards ⁵ | | | | | | | | | | | | | | | | | | | | | | | | | 3. |
| MATURITIES OUTRIGHT FORWARDS | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Seven days or less | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| 2. Over seven days and up to one month | | | | | | | | | | | | | | | | | | | | | | | | | 2. |
| 3. Over one month and up to three months | | | | | | | | | | | | | | | | | | | | | | | | | 3. |
| 4. Over three months and up to six months | | | | | | | | | | | | | | | | | | | | | | | | | 4. |
| 5. Over six months | | | | | | | | | | | | | | | | | | | | | | | | | 5. |

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
 2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A4 for a more detailed breakdown of total turnover in "other" currencies.
 3. Excluding "tomorrow/next day" transactions.
 4. Including non-deliverable forwards and other contracts-for-differences.
 5. Data should be provided for the "total" column.

→ 1. One day
 2. Over 1 day and up to 7 days

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A1—Foreign Exchange Contracts¹
 Turnover in nominal or notional principal amounts in April 2019 **2022**

| U.S. Dollar Amounts in Millions | USD against | | | | | | | | | | | | | | | | | Total | | | | | | | |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|--------------------|--|------|
| | AUD | BRL | CAD | CHF | CNY | EUR | GBP | HKD | INR | JPY | KRW | MXN | NOK | NZD | PLN | RUB | SEK | | SGD | TRY | TWD | ZAR | Other ² | | |
| INSTRUMENTS | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOREIGN EXCHANGE SWAPS³ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 1.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 1.b. |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | 2. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 2.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 2.b. |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | | | 2.c. |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | | | 2.d. |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | | | 2.e. |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | 2.f. |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | | | 2.g. |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | | | 2.h. |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | 3. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 3.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 3.b. |
| Total Foreign Exchange Swaps | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | 2. |
| MATURITIES FOREIGN EXCHANGE SWAPS | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Seven days or less | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| 2. Over seven days and up to one month | | | | | | | | | | | | | | | | | | | | | | | | | 2. |
| 3. Over one month and up to three months | | | | | | | | | | | | | | | | | | | | | | | | | 3. |
| 4. Over three months and up to six months | | | | | | | | | | | | | | | | | | | | | | | | | 4. |
| 5. Over six months | | | | | | | | | | | | | | | | | | | | | | | | | 5. |

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
 2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A4 for a more detailed breakdown of total turnover in "other" currencies.
 3. Currency pairs as well as for the "other" and "total" column.

1. One day
 2. Over 1 day and up to 7 days

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A2—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2014 ~~2014~~ **2022**

| INSTRUMENTS | U.S. Dollar Amounts in Millions | | | | | | | | | | | | | | | | | Resi- | | Grand | | | | | | |
|--|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-------|-----|-------------|-----|-------|-----|-------|--------------------|-------|-------------------|--------------------|--|--|
| | AUD | CAD | CHF | CNY | DKK | GBP | HUF | JPY | NOK | PLN | SEK | TRY | Other ² | Total | AUD | BRL | CAD | NZD | TRY | ZAR | Other ² | Total | dual ³ | Total ⁴ | | |
| | EUR against | | | | | | | | | | | | | | | JPY against | | | | | | | | | | |
| SPOT⁵ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | | | | |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | | | | |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Spot | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OUTRIGHT FORWARDS⁶ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | | | | |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | | | | |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Outright Forwards | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. o/w non-deliverable forwards ⁷ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MATURITIES OUTRIGHT FORWARDS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Seven days or less | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Over seven days and up to one month | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. Over one month and up to three months | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. Over three months and up to six months | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. Over six months | | | | | | | | | | | | | | | | | | | | | | | | | | |

1.
1.a.
1.b.
2.
2.a.
2.b.
2.c.
2.d.
2.e.
2.f.
2.g.
2.h.
3.
3.a.
3.b.
1.
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1.
1.a.
1.b.
2.
2.a.
2.b.
2.c.
2.d.
2.e.
2.f.
2.g.
2.h.
3.
3.a.
3.b.
1.
2.
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1.
2.
3.
4.
5.

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
 2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A3 for a more detailed breakdown of total turnover in "other" currencies.
 3. "Residual" covers all currency pairs except those involving the domestic currency, the USD, the EUR, and the JPY.
 4. Covers the sum of the totals in tables A1, A2, and the column "Residual".
 5. Excluding "tomorrow/next day" transactions.
 6. Including non-deliverable forwards and other contracts-for-differences.
 7. Data should only be provided for the "total" columns.

→ 3. o/w back-to-back trades
 → 4. o/w back-to-back trades
 5. o/w compression trades



Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A2—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April ~~2010~~ **2012**

| INSTRUMENTS | U.S. Dollar Amounts in Millions | | | | | | | | | | | | | | | | | Resi- dual ³ | Grand Total ⁴ | | |
|--|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|-----|--------------------|-------|-----|-----|-----|----------------------------|-----------------------------|-----|-----|
| | EUR against | | | | | | | | | | JPY against | | | | | | | | | | |
| | AUD | CAD | CHF | CNY | DKK | GBP | HUF | JPY | NOK | PLN | SEK | TRY | Other ² | Total | AUD | BRL | CAD | | | NZD | TRY |
| FOREIGN EXCHANGE SWAPS⁵ | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | |
| g. Others | | | | | | | | | | | | | | | | | | | | | |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | |
| Total Foreign Exchange Swaps | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | |
| MATURITIES FOREIGN EXCHANGE SWAPS | | | | | | | | | | | | | | | | | | | | | |
| 1. Seven days or less | | | | | | | | | | | | | | | | | | | | | |
| 2. Over seven days and up to one month | | | | | | | | | | | | | | | | | | | | | |
| 3. Over one month and up to three months | | | | | | | | | | | | | | | | | | | | | |
| 4. Over three months and up to six months | | | | | | | | | | | | | | | | | | | | | |
| 5. Over six months | | | | | | | | | | | | | | | | | | | | | |

1.
1.a.
1.b.
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2.a.
2.b.
2.c.
2.d.
2.e.
2.f.
2.g.
2.h.
3.
3.a.
3.b.
1.
2.
1.
2.
3.
4.
5.

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
 2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A3 for a more detailed breakdown of total turnover in "other" currencies.
 3. "Residual" covers all currency pairs except those involving the domestic currency, the USD, the EUR, and the JPY.
 4. Covers the sum of the totals in tables A1, A2, and the column "Residual".
 5. A swap is considered to be a single transaction in that the two legs are not counted separately.

→ 3. o/w back-to-back trades
 4. o/w compression trades



Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A3—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2019 **2022**

| U.S. Dollar Amounts in Millions | Total turnover in listed currencies against all other currencies ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| | ARS | AUD | BGN | BHD | BRL | CAD | CHF | CLP | CNY | COP | CZK | DKK | GBP | HKD | HUF | IDR | ILS | INR | KRW | LTL | LVL | MXN | MYR | NOK | NZD | PEN | PHP | PLN | RON | RUB | SAR | SEK | SGD | THB | TRY | TWD | ZAR |
| INSTRUMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPOT³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1. | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.a. | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.b. | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2. | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.a. | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.b. | | | | | | | | |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.c. | | | | | | | | |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.d. | | | | | | | | |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.e. | | | | | | | | |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.f. | | | | | | | | |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.g. | | | | | | | | |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.h. | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3. | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.a. | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.b. | | | | | | | | |
| Total Spot | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1. | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2. | | | | | | | | |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OUTRIGHT FORWARDS⁴ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1. | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.a. | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.b. | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2. | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.a. | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.b. | | | | | | | | |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.c. | | | | | | | | |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.d. | | | | | | | | |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.e. | | | | | | | | |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.f. | | | | | | | | |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.g. | | | | | | | | |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.h. | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3. | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.a. | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.b. | | | | | | | | |
| Total Outright Forwards | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1. | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2. | | | | | | | | |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. o/w non-deliverable forwards ⁵ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MATURITIES OUTRIGHT FORWARDS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Seven days or less | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1. | | | | | | | | |
| 2. Over seven days and up to one month | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2. | | | | | | | | |
| 3. Over one month and up to three months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3. | | | | | | | | |
| 4. Over three months and up to six months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4. | | | | | | | | |
| 5. Over six months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5. | | | | | | | | |

1. **7 days**
 2. **over 1 day and up to 7 days**
 3. **over 1 day and up to 7 days**
 4. **over 1 day and up to 7 days**
 5. **over 1 day and up to 7 days**

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
 2. Only transactions which are included in the columns "other" in tables A1, A2, and "residual" in table A2. Trades involving the domestic currency, the USD, the EUR or the JPY in one leg, and any of the currencies listed in this table in the other leg, should be allocated to the relevant currency column in this table once; these deals should correspond to the ones reported in columns "other" of tables A1 and A2. Trades between any two currencies listed in this table should be reported in both relevant currency columns, thus summing to 200% of the deal; these trades should correspond to the ones reported in column "residual" in table A2. Currencies subject to compulsory reporting have been marked in blue.
 3. Excluding "tomorrow/next day" transactions.
 4. Including non-deliverable forwards and other contracts-for-differences.
 5. Data should only be provided for the "total" column.

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A3—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April ~~2019~~ **2022**

| U.S. Dollar Amounts in Millions | Total turnover in listed currencies against all other currencies ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|--|
| | ARS | AUD | BGN | BHD | BRL | CAD | CHF | CLP | CNY | COP | CZK | DKK | GBP | HKD | HUF | IDR | ILS | INR | KRW | LTL | LVL | MXN | MYR | NOK | NZD | PEN | PHP | PLN | RON | RUB | SAR | SEK | SGD | THB | TRY | TWD | ZAR | Other | |
| INSTRUMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOREIGN EXCHANGE SWAPS³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Foreign Exchange Swaps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Over prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Over retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MATURITIES FOREIGN EXCHANGE SWAPS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Seven days or less | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Over seven days and up to one year | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. Over one year | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

1.
1.a.
1.b.
2.
2.a.
2.b.
2.c.
2.d.
2.e.
2.f.
2.g.
2.h.
3.
3.a.
3.b.
1.
2.
1.
2.
3.

3
1. *One day*
2. *over 1 day and up to 7 days*

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates. These deals should correspond to the ones reported in columns "other" of tables A1, A2, and "residual" in table A2. Trades involving the domestic currency, the USD, the EUR or the JPY in one leg, and any of the currencies listed in this table in the other leg, should be allocated to the relevant currency column in this table once table A2. Currencies subject to compulsory reporting have been marked in blue.

2. Only transactions which are included in the columns "other" in tables A1, A2, and "residual" in table A2. Trades between any two currencies listed in this table should be reported in both relevant currency columns, thus summing to 200% of the deal; these trades should correspond to the ones reported in column "residual" in table A2. Currencies subject to compulsory reporting have been marked in blue.

3. A swap is considered to be a single transaction in that the two legs are not counted separately. Includes "tomorrow/next day" transactions.

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A4—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2019 **2022**

| U.S. Dollar Amounts in Millions | USD against | | | | | | | | | | | | | | | | Total | | | | | | | | |
|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|--------------------|--|------|
| | AUD | BRL | CAD | CHF | CNY | EUR | GBP | HKD | INR | JPY | KRW | MXN | NOK | NZD | PLN | RUB | | SEK | SGD | TRY | TWD | ZAR | Other ² | | |
| INSTRUMENTS | | | | | | | | | | | | | | | | | | | | | | | | | |
| CURRENCY SWAPS³ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 1.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 1.b. |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | 2. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 2.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 2.b. |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | | | 2.c. |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | | | 2.d. |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | | | 2.e. |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | 2.f. |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | | | 2.g. |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | | | 2.h. |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | 3. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 3.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 3.b. |
| Total Currency Swaps | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | 2. |
| OTC OPTIONS (sum of bought and sold)⁴ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 1.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 1.b. |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | 2. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 2.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 2.b. |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | | | 2.c. |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | | | 2.d. |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | | | 2.e. |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | 2.f. |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | | | 2.g. |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | | | 2.h. |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | 3. |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | 3.a. |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | 3.b. |
| TOTAL OTC OPTIONS | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | 2. |
| TOTAL FX CONTRACTS | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | 1. |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | 2. |

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.

2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A3 for a more detailed breakdown of total turnover in "other" currencies.

3. A swap is considered to be a single transaction in that the two legs are not counted separately.

4. Including currency warrants and multicurrency swaptions.

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A5—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2022

| U.S. Dollar Amounts in Millions | EUR against | | | | | | | | | | | | | JPY against | | | | | | Residual ⁶ | Grand Total ⁴ | | |
|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-------------|-----|-----|-----|-----|-----|-----------------------|--------------------------|-----|--------------------|
| | AUD | CAD | CHF | CNY | DKK | GBP | HUF | JPY | NOK | PLN | SEK | TRY | Other ² | Total | AUD | BRL | CAD | NZD | TRY | | | ZAR | Other ² |
| INSTRUMENTS | | | | | | | | | | | | | | | | | | | | | | | |
| CURRENCY SWAPS⁵ | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | |
| Total Currency Swaps | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | |
| OTC OPTIONS (sum of bought and sold)⁶ | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL OTC OPTIONS | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | |
| OTHER PRODUCTS⁷ | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FX CONTRACTS | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | |
| 3. o/w related party trades ⁸ | | | | | | | | | | | | | | | | | | | | | | | |
| 4. o/w back-to-back trades | | | | | | | | | | | | | | | | | | | | | | | |
| 5. o/w compression trades | | | | | | | | | | | | | | | | | | | | | | | |

1.
1.a.
1.b.
2.
2.a.
2.b.
2.c.
2.d.
2.e.
2.f.
2.g.
2.h.
3.
3.a.
3.b.

1.
2.

1.
1.a.
1.b.
2.
2.a.
2.b.
2.c.
2.d.
2.e.
2.f.
2.g.
2.h.
3.
3.a.
3.b.

1
2.

1.
2.
3.

3. o/w back-to-back trades
4. o/w compression trades

3. o/w back-to-back trades
4. o/w compression trades

1. o/w back-to-back trades
2. o/w compression trades

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
 2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A6 for a more detailed breakdown of total turnover in "other" currencies.
 3. "Residual" covers all currency pairs except those involving the domestic currency, the USD, the EUR, and the JPY.
 4. Covers the sum of the totals in tables A4, A5 and the column "Residual".
 5. A swap is considered to be a single transaction in that the two legs are not counted separately. Includes "tomorrow/next day" transactions.
 6. Including currency warrants and multicurrency swaptions.
 7. Any instrument where the transaction is highly leveraged and/or the notional amount is variable and where a decomposition into individual plain vanilla components is impractical or impossible.
 8. Trades between desks and offices, and trades with own branches and subsidiaries and between affiliated firms (regardless of whether the counterparty is resident in the same country as the reporting dealer or in another country). Back-to-back deals and trades to facilitate internal bookkeeping and internal risk management within a given institution are not to be reported in the context of the triennial survey.

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A6—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2019 **2022**

| U.S. Dollar Amounts in Millions | Total turnover in listed currencies against all other currencies ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | ARS | AUD | BGN | BHD | BRL | CAD | CHF | CLP | CNY | COP | CZK | DKK | GBP | HKD | HUF | IDR | ILS | INR | KRW | LTL | LVL | MXN | MYR | NOK | NZD | PEN | PHP | PLN | RON | RUB | SAR | SEK | SGD | THB | TRY | TWD | ZAR |
| INSTRUMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CURRENCY SWAPS³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Currency Swaps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OTC OPTIONS (sum of bought and sold)³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. Non-reporting banks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. Institutional investors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e. Hedge funds and proprietary trading firms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| f. Official sector financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| g. Others | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| h. Undistributed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL OTC OPTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FX CONTRACTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w prime brokered | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. o/w retail-driven | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
 2. Only transactions which are included in the columns "other" in tables A4, A5, and "residual" in table A5. Trades involving the domestic currency, the USD, the EUR or the JPY in one leg, and any of the currencies listed in this table in the other leg, should be allocated to the relevant currency column in this table once; these deals should correspond to the ones reported in columns "other" of tables A4 and A5. Trades between any two currencies listed in this table should be reported in both relevant currency columns, thus summing to 200% of the deal; these trades should correspond to the ones reported in column "residual" in table A5. Currencies subject to compulsory reporting have been marked in blue.
 3. A swap is considered to be a single transaction in that the two legs are not counted separately.
 4. Including currency warrants and multicurrency swaptions.

Table A7

**Central Bank Survey of Foreign Exchange and Derivatives Market Activity
SETTLEMENT OF FOREIGN EXCHANGE TRANSACTIONS
Turnover in nominal or notional principal amounts in April 2022
(in millions of USD)**

| Item | All counterparties | | Reporting dealers | | Other financial institutions | | Non-financial customers | |
|---|--------------------|------------------------|-------------------|------------------------|------------------------------|------------------------|-------------------------|------------------------|
| | Total | o/w CLS eligible pairs | Total | o/w CLS eligible pairs | Total | o/w CLS eligible pairs | Total | o/w CLS eligible pairs |
| a) Total turnover (grand total in Table A5) | | | | | | | | |
| a1) Turnover to be settled with a single payment (ie non-deliverable) | | | | | | | | |
| a2) Turnover to be settled with two payments (ie spot and forwards) | | | | | | | | |
| a3) Turnover to be settled with four payments (ie swaps) | | | | | | | | |
| b) Two sided turnover subject to netting (before netting) | | | | | | | | |
| b1) Net payable amount of two sided turnover subject to netting (after netting) | | | | | | | | |
| c) Payment versus payment (PvP = c1 + c2 + c3) | | | | | | | | |
| c1) Via CLS | | | | | | | | |
| c2) Via other PvP or equivalent settlement methods | | | | | | | | |
| c3) Via "same clearer" or "on-us" accounts <u>without</u> exposure to settlement risk | | | | | | | | |
| d) Non-PvP | | | | | | | | |
| d1) Via "same clearer" or "on-us" accounts <u>with</u> exposure to settlement risk | | | | | | | | |

* **Dotted cells** should not be reported. To avoid double reporting, only pay side should be included.

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table B1—Single-Currency Interest Rate Derivatives¹

Turnover in nominal or notional principal amounts in April 2019 **2017**

| U.S. Dollar Amounts in Millions | ARS | AUD | BGN | BHD | BRL | CAD | CHF | CLP | CNY | COP | CZK | DKK | EUR | GBP | HKD | HUF | IDR | ILS | INR | JPY | KRW | LTL | LVL | MXN | MYR | NOK | NZD | PEN | PHP | PLN | RON | RUB | SAR | SEK | SGD | THB | TRY | TWD | USD | ZAR | Other | Total | | | | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| INSTRUMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORWARD RATE AGREEMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FORWARD RATE AGREEMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVERNIGHT INDEXED SWAPS² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL OVERNIGHT INDEXED SWAPS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OTHER SWAPS² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL OTHER SWAPS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

1.
1.a.
1.b.
2.
2.a.
2.b.
3.
3.a.
3.b.

1. o/w back-to-back trades
2. o/w compression trades

1. All transactions where all the legs are exposed to one and only one currency's interest rate, including all fixed/floating and floating/floating single-currency interest rate contracts.
2. A swap is considered to be a single transaction in that the two legs are not counted separately.

→ 1. o/w back-to-back trades
2. o/w compression trades

→ 1. o/w back-to-back trades
2. o/w compression trades

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Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table B2—Single-Currency Interest Rate Derivatives¹

Turnover in nominal or notional principal amounts in April ~~2019~~ 2022

| U.S. Dollar Amounts in Millions | ARS | AUD | BGN | BHD | BRL | CAD | CHF | CLP | CNY | COP | CZK | DKK | EUR | GBP | HKD | HUF | IDR | ILS | INR | JPY | KRW | LTL | LVL | MXN | MYR | NOK | NZD | PEN | PHP | PLN | RON | RUB | SAR | SEK | SGD | THB | TRY | TWD | USD | ZAR | Other | Total | | | | | | | | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| INSTRUMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OTC OPTIONS (sum of bought and sold) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sold | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. With reporting dealers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. With other financial institutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. With nonfinancial customers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Cross-border | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL OTC OPTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OTHER PRODUCTS² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL INTEREST RATE CONTRACTS³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. o/w related party trades | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. o/w back-to-back trades | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. o/w compression trades | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

1.
1.a.
1.b.
2.
2.a.
2.b.
3.
3.a.
3.b.

1. All transactions where all the legs are exposed to one and only one currency's interest rate, including all fixed/floating and floating/floating single-currency interest rate contracts.
 2. Any instrument where the transaction is highly leveraged and/or the notional amount is variable and where a decomposition into individual plain vanilla components is impractical or impossible.
 3. It includes forward rate agreement, interest rate swaps, options and other products.
 4. Trades between desks and offices, and trades with own branches and subsidiaries and between affiliated firms (regardless of whether the counterparty is resident in the same country as the reporting dealer or in another country).
 Back-to-back deals and trades to facilitate internal bookkeeping and internal risk management within a given institution are not to be reported in the context of the triennial survey.

1. o/w back-to-back trade.
 → 2. o/w compression trades

→ 1. o/w back-to-back trades
 2. o/w compression trades

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Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table C2—Execution Method for Foreign Exchange Contracts

Turnover in nominal or notional principal amounts in April ~~2019~~ 2022

| U.S. Dollar Amounts in Millions | Voice | | Electronic | | | | Unal-located | Total ¹ |
|--|--------|----------|--|-------|------------------|------------------|--------------|--------------------|
| | Direct | Indirect | Direct | | Indirect | | | |
| | | | Single-bank proprietary trading system | Other | Anonymous Venues | Disclosed Venues | | |
| INSTRUMENTS | | | | | | | | |
| SPOT | | | | | | | | |
| 1. With reporting dealers | | | | | | | | 1. |
| a. Local | | | | | | | | 1.a. |
| b. Cross-border | | | | | | | | 1.b. |
| 2. With other financial institutions | | | | | | | | 2. |
| 3. With nonfinancial customers | | | | | | | | 3. |
| TOTAL SPOT | | | | | | | | |
| OUTRIGHT FORWARDS | | | | | | | | |
| 1. With reporting dealers | | | | | | | | 1. |
| a. Local | | | | | | | | 1.a. |
| b. Cross-border | | | | | | | | 1.b. |
| 2. With other financial institutions | | | | | | | | 2. |
| 3. With nonfinancial customers | | | | | | | | 3. |
| TOTAL OUTRIGHT FORWARDS | | | | | | | | |
| FOREIGN EXCHANGE SWAPS | | | | | | | | |
| 1. With reporting dealers | | | | | | | | 1. |
| a. Local | | | | | | | | 1.a. |
| b. Cross-border | | | | | | | | 1.b. |
| 2. With other financial institutions | | | | | | | | 2. |
| 3. With nonfinancial customers | | | | | | | | 3. |
| TOTAL FOREIGN EXCHANGE SWAPS | | | | | | | | |
| CURRENCY SWAPS | | | | | | | | |
| 1. With reporting dealers | | | | | | | | 1. |
| a. Local | | | | | | | | 1.a. |
| b. Cross-border | | | | | | | | 1.b. |
| 2. With other financial institutions | | | | | | | | 2. |
| 3. With nonfinancial customers | | | | | | | | 3. |
| TOTAL CURRENCY SWAPS | | | | | | | | |
| OTC OPTIONS | | | | | | | | |
| 1. With reporting dealers | | | | | | | | 1. |
| a. Local | | | | | | | | 1.a. |
| b. Cross-border | | | | | | | | 1.b. |
| 2. With other financial institutions | | | | | | | | 2. |
| 3. With nonfinancial customers | | | | | | | | 3. |
| TOTAL OTC OPTIONS | | | | | | | | |
| TOTAL FX CONTRACTS | | | | | | | | |

¹ Total Spot, Outright forwards, and FX swaps should be consistent with amounts reported in A2; currency swaps and OTC options should be consistent with the amounts reported in table A5.