

List of Charts, Tables and Figures

I.	OVERVIEW	
Chart I.1	Economic Policy Uncertainty Indices	1
Chart I.2	Weekly Capital Flows to Emerging Economies	1
Chart I.3	Share of Real Sector Financial Debt in GDP	2
Chart I.4	FX Liabilities and Net FX Position of Real Sector Firms	2
Chart I.5	Annual Loan Growth	3
Chart I.6	Credit/GDP Ratio	3
Chart I.7	NPL Ratios	3
Chart I.8	NPL Components	3
Chart I.9	External Debt Roll-Over Ratio and Its Average Maturity	4
Chart I.10	Cost of Syndicated Loans with a Maturity of 367 Days	4
Chart I.11	Profitability Indicators	5
Chart I.12	Capital Adequacy Indicators	5
II.	MACROECONOMIC OUTLOOK	
II.1	International Developments	
Chart II.1.1	Economic Policy Uncertainty Indices	7
Chart II.1.2	FOMC Members' Median Policy Interest Rate Forecasts and Market Expectations	7
Chart II.1.3	Weekly Capital Flows to Emerging Countries	8
Chart II.1.4	CDS Premiums in Emerging Economies	8
Chart II.1.5	Exchange Rate Indices	8
Chart II.1.6	Stock Market Indices	8
Chart II.1.7	10-Year Treasury Bond Yields in Advanced Economies	9
Chart II.1.8	10-Year Treasury Bond Yields in Emerging Economies	9
Chart II.1.9	Annual Growth Rates in Advanced and Emerging Economies	10
Chart II.1.10	Manufacturing Industry PMI Indices	10
Chart II.1.11	Commodity Indices	10
II.2	Domestic Developments	
Chart II.2.1	Contribution to Annual Growth from the Expenditure Side	11
Chart II.2.2	Industrial Production Index	11
Chart II.2.3	Labor Force	12
Chart II.2.4	Central Government Budget Balance	12
Chart II.2.5	Foreign Trade	12
Chart II.2.6	Current Account Deficit	12
Chart II.2.7	Financing Sources of Current Account Deficit	13
Chart II.2.8	Price Indices	13
Chart II.2.9	Interest Rates	14
Chart II.2.10	Exchange Rate Basket and CDS	14
III.	NON-FINANCIAL SECTOR	
III.1	Household Developments	
Chart III.1.1	Growth Rates of Households' Financial Assets and Liabilities, and Financial Leverage Ratio	16
Chart III.1.2	Growth in Loans and Deposits of Households	16
Chart III.1.3	Interest Rates on Consumer Loans and Savings Deposits	16
Chart III.1.4	Breakdown of Resident Households' Savings Deposits by TL and FX	17
Chart III.1.5	Implied Volatility for USD/TL	17
Table III.1.1	Households' Financial Assets	18

Chart III.1.6	Indices Regarding Consumer Confidence Index and Consumer Tendency Survey Questions	18
Chart III.1.7	Change in Households' Deposits in a Breakdown of Amounts	19
Chart III.1.8	Households' Gold Portfolio in the Banking System and Gold Prices	19
Chart III.1.9	Private Pension System in Turkey	19
Chart III.1.10	Automatic Enrollment in the Private Pension System	19
Chart III.1.11	BIST All Index and Households' Equity Securities Portfolio	20
Table III.1.2	Households' Financial Liabilities	20
Chart III.1.12	Consumer Loans Extended by Financing Companies Based on Type	21
Chart III.1.13	Average Retail Loan Maturity	21
Chart III.1.14	Contribution to Housing Sales Growth and Monthly Interest Rate for Housing Loans	21
Chart III.1.15	Change in ICC Balance	21
Chart III.1.16	Household Indebtedness Ratios of Selected EMEs	22
III.1.I	Box: Outcomes of Policies to Increase Savings	
Chart III.1.I.1	Number of Savers	23
Chart III.1.I.2	Balance	23
Chart III.1.I.3	Average Accumulation of Savings	24
Chart III.1.I.4	PPS Contributions and Number of Certificates	24
Chart III.1.I.5	Growth in PPS Contributions and Number of Participants	24
Table III.1.I.1	PPS Fund Amount/GDP - Cross-Country Comparison	25
Chart III.1.I.6	Number of Investors and Amount of Gold	26
Chart III.1.I.7	Investor Profile	26
III.1.II	Box: Household Indebtedness	
Chart III.1.II.1	Change in Household Indebtedness in Turkey	28
Chart III.1.II.2	Retail Loan Debt and Share of Indebted Population	28
Chart III.1.II.3	Household Indebtedness/GDP	29
Chart III.1.II.4	Retail Loans and Current Account Balance	29
III.2	Corporate Sector Developments	
Chart III.2.1	Industrial Production, Capacity Utilization and Investment Tendency	31
Chart III.2.2	Capital Goods Production and Import Quantity Indices	31
Chart III.2.3	Share of Corporate Sector's Financial Debt in GDP	32
Chart III.2.4	Corporate Sector's FX Liabilities and Net FX Position	32
Chart III.2.5	Maturity Breakdown of FX-Indexed Loans	32
Chart III.2.6	Breakdown of FX Loans by Corporate Loan Balances	32
Chart III.2.7	Breakdown of Derivatives Transactions by Currency	33
Chart III.2.8	Breakdown of Derivatives Transactions by Type	33
Chart III.2.9	Loan Standards and Loan Demand	34
Chart III.2.10	Average TL Funding Costs of SMEs and Large Firms	34
Chart III.2.11	Sectoral Breakdown of Loans	35
Chart III.2.12	Sectoral Breakdown of (Flow) Loans Extended Since the Last Reporting Period	35
Chart III.2.13	NPL Ratios by Sectors	35
Chart III.2.14	Deposits of Domestic Firms	35
Chart III.2.15	Bad Checks and Protested Bills	36
Chart III.2.16	Profitability Ratios of BIST Firms	36
Chart III.2.17	Turnover and Liquidity Ratios of BIST Firms	37
IV.	FINANCIAL SECTOR	
IV.1	Credit Developments and Credit Risk	
Chart IV.1.1	Annual Loan Growth	39
Chart IV.1.2	Credit/ GDP Ratio	39

Chart IV.1.3	Annual Change in Credit Stock to GDP	40
Chart IV.1.4	International Comparison of Credit/GDP	40
Chart IV.1.5	Annual Growth in TL Corporate Loans by Firm Size	41
Chart IV.1.6	Annual Growth in FX Corporate Loans by Size and the Exchange Rate	41
Chart IV.1.7	Corporate Loan Interest Rates and Spreads	41
Chart IV.1.8	Factors Contributing to Corporate Loan Supply	42
Chart IV.1.9	Factors Contributing to Corporate Loan Demand	42
Chart IV.1.10	Annual Growth in Retail Loans	43
Chart IV.1.11	Retail Loan Lending Rates	43
Chart IV.1.12	Weekly Growth Rates of General Purpose Loans	44
Chart IV.1.13	Weekly Growth Rates of Housing Loans	44
Chart IV.1.14	General-Purpose Loan Maturities	44
Chart IV.1.15	Annual Growth in Personal Credit Card Balances	44
Chart IV.1.16	Components of NPL	45
Chart IV.1.17	NPL Ratios	45
Chart IV.1.18	International Comparison of NPL Ratios and Differences	46
Chart IV.1.19	Corporate NPL Ratios	46
Table IV.1.1	Sectoral Breakdown of NPL Ratios	47
Chart IV.1.20	NPL Ratios in Retail Loans	47
Chart IV.1.21	General-Purpose Loan Maturities by RLS	48
Chart IV.1.22	New General Purpose Loans and the Survey	48
Chart IV.1.23	Credit Standards and the Economic Outlook	49
Chart IV.1.24	General-Purpose Loan Vintage Curves	49
IV.1.I	Box: Sectoral Concentration Risks in Banks' Credit Portfolios	
Chart IV.1.I.1	NPL Amount and GDP	50
Chart IV.1.I.2	HHI Index and NPL Ratio	50
Table IV.1.I.1	Sectoral Distribution of Loans	51
Chart IV.1.I.3	Contributions to Corporate Loan Concentration Index by Sectors	52
Chart IV.1.I.4	Corporate Loan Concentration Index by Currency (TL-FX) Breakdown	52
IV.2	Liquidity Risk	
Chart IV.2.1	Quantiles of Banks by Total Liquidity Coverage Ratios	54
Chart IV.2.2	Quantiles of Banks by FX Liquidity Coverage Ratios	54
Chart IV.2.3	Ratio of Non-Deposit Funding to Foreign Funding Sources	55
Chart IV.2.4	Loan/Deposit Ratio	56
Chart IV.2.5	Loan/(Deposit+Other Stable Sources) Ratio	56
Chart IV.2.6	Amounts of Currency Swap Transactions with Non-Residents	57
Chart IV.2.7	Maturity Brackets of TL Currency Swaps with Non-Residents	57
Chart IV.2.8	Amount and Growth Rate of Banks' External Liabilities	57
Chart IV.2.9	Cost of Syndicated Loans with a Maturity of 367 Days	57
Chart IV.2.10	External Debt Roll-Over Ratio and its Average Maturity	58
Chart IV.2.11	External Debt Roll-Over Ratio	58
Chart IV.2.12	FX Liquid Assets and FX External Liabilities Due Within 1 Year	59
Chart IV.2.13	ROM Reserves + FX Borrowing Facility and External FX Liabilities Due Within 1 Year	59
Chart IV.2.14	FX Issues Abroad	60
Chart IV.2.15	Domestic TL Bond Issues	60
IV.2.I	Box: Security Issues by Banks	
Chart IV.2.I.1	Changes in Leading Assets and Funding Items	61
Chart IV.2.I.2	Banks' Domestic Bond and Bill Issues	61
Chart IV.2.I.3	Banks' Bond and Bill Issues Abroad	61
Chart IV.2.I.4	Maturities of Bond Issues	62
IV.2.II	Box: Core Liabilities In the Context of Financial Regulations	

Table IV.2.II.1	Reserve Requirement Ratios	66
Chart IV.2.II.1	Banks' Deposits Subject to Reserve Requirements / Total Liabilities	67
IV.2.III	Box: Basel Liquidity Coverage Ratio Standards and Fundamentals of Liquidity Coverage Ratio Regulation in Turkey	
Table IV.2.III.1	Classification of High-Quality Liquid Assets	70
Table IV.2.III.2	Classification of Cash Outflows	70
Chart IV.2.III.1	Total LCR and Legal Limit	71
Chart IV.2.III.2	FX LCR and Legal Limit	71
IV.3	Interest Rate and Exchange Rate Risk	
Chart IV.3.1	Interest Rate Risk Via Repricing Channel Measured with Economic Value Approach	72
Chart IV.3.2	Interest Rate Risk of Fixed Interest Rate Securities at Fair Value through other Comprehensive Income	72
Chart IV.3.3	Banking Sector's FX Open Position	73
Chart IV.3.4	Shares of Gross Positions of Off-Balance Sheet FX Transactions	73
IV.4	Profitability and Capital Adequacy	
Chart IV.4.1	Return on Assets and Return on Equities	74
Chart IV.4.2	CAR and Core Tier 1 CAR	74
Chart IV.4.3	Effects of Income Statement Items on ROA	75
Chart IV.4.4	Contribution to Changes in the Net Interest Income	75
Chart IV.4.5	Additional NPL Indicators	76
Chart IV.4.6	Currency Swap Transaction Costs and Interest Rates	76
Chart IV.4.7	Changes in Items Affecting Equity	76
Chart IV.4.8	Risk and Assets Developments	76
Chart IV.4.9	CARs by Types of Banks	77
IV.4.I	Box: The TFRS 9 Practice and Its Implications on the Banking Sector	
Figure IV.4.I.1	Credit Provisions to be Applied by Banks Implementing TFRS 9	78
Chart IV.4.I.1	Development of General and Specific Provisions	80
Chart IV.4.I.2	Development of Non-Performing Loans Coverage Ratio	80
V.	SPECIAL TOPICS	
V.1	Regulations on FX Loan Borrowing	
Chart V.1.1	Non-Financial Companies' Borrowing	81
Figure V.1.1	Regulations on NFCs' FX Borrowing	82
Chart V.1.2	Breakdown of FX Loans by the Number of Firms	83
Chart V.1.3	Breakdown of FX Loans by Creditors	83
Chart V.1.4	Breakdown by Original Maturity	84
Chart V.1.5	Breakdown by Remaining Maturity	84
Chart V.1.6	Breakdown by Sectors	84
V.2	Final Basel III Framework	
Table V.2.1	Basel III Phase-in Arrangements	86
Table V.2.2	Leverage Ratio for G-SIBs	89
Table V.2.3	Implementation Dates of Basel III Revisions	90
Chart V.2.1	Basel III Capital Requirements - 2018	91
Table V.2.4	Transitional Process for the D-SIB Regulation in Turkey	92
V.3	Externality Caused by FX Loans and Its Real Effects	
Table V.3.1	Explanatory Statistics on a Firm Basis	94
Table V.3.2	Estimation Results	95
Table V.3.3	Estimation Results	96

Abbreviations

AEPS	Automatic Enrollment Pension System
BAT	Banks Association of Turkey
BCBS	Basel Committee on Banking Supervision
BIS	Bank for International Settlements
BIST	Borsa Istanbul
BITT	Banking and Insurance Transactions Tax
BRSA	Banking Regulation and Supervision Agency
CAR	Capital Adequacy Ratio
CBRT	Central Bank of the Republic of Turkey
CCB	Capital Conservation Buffer
CDS	Credit Default Swap
CMB	Capital Markets Board of Turkey
CVA	Credit Valuation Adjustment
D-SIB	Domestic Systemically Important Bank
EAD	Exposure at Default
EBITDA	Earnings Before Interest, Taxes, Depreciation and Amortization
ECB	European Central Bank
EME	Emerging Market Economies
EPFR	Emerging Portfolio Fund Research
Fed	Federal Reserve
FX	Foreign Exchange
FXNGP	FX Net General Position
GDP	Gross Domestic Product
G-SIB	Global Systemically Important Bank
ICC	Individual Credit Card
IFS	International Financial Statistics
IMF	International Monetary Fund
IPI	Industrial Production Index
IRBA	Internal Ratings Based Approach
KGF	Credit Guarantee Fund
KOSGEB	Small and Medium Enterprises Development Organization
LCR	Liquidity Coverage Ratio
LGD	Loss-Given-Default
LLW	Late Liquidity Window

Abbreviations

LNG	Liquefied Natural Gas
MCB	Mortgage-Covered Bond
MKK	Central Securities Depository of Turkey
MPP	Macroprudential Policy
NBFI	Non-Bank Financial Institutions
NPL	Non-Performing Loan
NSFR	Net Stable Funding Ratio
OECD	Organization for Economic Cooperation and Development
OPEC	Organization of Petroleum Exporting Countries
PD	Probability of Default
PDP	Public Disclosure Platform
PMC	Pension Monitoring Center
PMI	Purchasing Managers Index
PPP	Public-Private Partnership
PPS	Private Pension System
Q	Quarter
RCAP	Regulatory Consistency Assessment Program
RLS	Retail Loan Score
ROM	Reserve Options Mechanism
RWA	Risk-Weighted Asset
SME	Small and Medium Sized Enterprises
TFRS	Turkish Financial Reporting Standards
TL	Turkish lira
TOBB	Union of Chambers and Commodity Exchanges of Turkey
TOKİ	Housing Development Administration of Turkey
TURKSTAT	Turkish Statistical Institute
US	United States
WB	World Bank