

50 Financial System Indicators

Updated: September 15th, 2022

Highlights		
Indicator	Last value available	Corresponding to:
Bank lending to other resident sectors (monthly average % var.)	0.9	June 2022
Other resident sectors' deposits in credit institutions (monthly average % var.)	1.0	June 2022
Doubtful loans (monthly % var.)	-5.6	June 2022
Recourse to the Eurosystem L/T (Eurozone financial institutions, million euros)	2,124,718	August 2022
Recourse to the Eurosystem L/T (Spanish financial institutions, million euros)	289,689	August 2022
Recourse to the Eurosystem (Spanish financial institutions million euros) - Main refinancing operations	16	August 2022
"Operating expenses/gross operating income" ratio (%)	53,15	March 2022
"Customer deposits/employees" ratio (thousand euros)	13,310.65	March 2022
"Customer deposits/branches" ratio (thousand euros)	118,280.77	March 2022
"Branches/institutions" ratio	95.68	March 2022

A. Money and Interest Rates

Indicator	Source	Average 2001-2019	2020	2021	2022 August	2022 September	Definition and calculation
1. Monetary Supply (% chg.)	ECB	5.1	12.3	6.9	-	-	M3 aggregate change (non-stationary)
2. Three-month interbank interest rate	Bank of Spain	1.4	-0.545	-0.572	0.654	1.013	Daily data average
3. One-year Euribor interest rate (from 1994)	Bank of Spain	1.8	-0.499	-0.501	1.778	2.156	End-of-month data
4. Ten-year Treasury bonds interest rate (from 1998)	Bank of Spain	3.4	0.03	0.5	2.6	2.8	Market interest rate (not exclusively between account holders)
5. Corporate bonds average interest rate	Bank of Spain	3.8	1.3	-	-	-	End-of-month straight bonds average interest rate (> 2 years) in the AIAF market

Comment on "Money and Interest Rates": Monetary authorities have shown increased concerns over inflation as prices have exhibited their highest growth in decades. Central banks have reacted by increasing interest rates by more than expected. In this context, interbank rates increased. The 1-year interbank rate went from 1.778% in August to 2.156% in mid-September and the 3-month Euribor increased from 0.654% to 1.013% over the same period. As for the Spanish 10-year bond yield, it increased to 2.8%.

B. Financial Markets

Indicator	Source	Average 2001-2018	2019	2020	2022 June	2022 July	Definition and calculation
6. Outright spot treasury bills transactions trade ratio	Bank of Spain	22.1	288.7	28.8	27.39	27.77	(Traded amount/outstanding balance) ×100 in the market (not exclusively between account holders)
7. Outright spot government bonds transactions trade ratio	Bank of Spain	19.8	87.2	18.5	12.61	10.56	(Traded amount/outstanding balance) ×100 in the market (not exclusively between account holders)
8. Outright forward treasury bills transactions trade ratio	Bank of Spain	0.5	0.01	0.34	0.01	0.01	(Traded amount/outstanding balance) ×100 in the market (not exclusively between account holders)
9. Outright forward government bonds transactions trade ratio	Bank of Spain	0.6	1.2	0.63	0.50	0.46	(Traded amount/outstanding balance) in the market (not exclusively between account holders)
10. Three-month maturity treasury bills interest rate	Bank of Spain	0.5	-0.54	-0.54	-0.35	-0.19	Outright transactions in the market (not exclusively between account holders)
11. Government bonds yield index (Dec1987=100)	Bank of Spain	727.5	1.311.87	1.289.02	-	-	Outright transactions in the market (not exclusively between account holders)
12. Madrid Stock Exchange Capitalization (monthly average % chg.)	Bank of Spain and Madrid Stock Exchange	0.1	1.2	-0.6	-7.3	0.6	Change in the total number of resident companies
13. Stock market trading volume. Stock trading volume (monthly average % var.)	Bank of Spain and Madrid Stock Exchange	2.6	-7.4	10.7	1.8	-19.7	Stock market trading volume. Stock trading volume: change in total trading volume
14. Madrid Stock Exchange general index (Dec 1985=100)	Bank of Spain and Madrid Stock Exchange	1.007.1	881.6	718.9	807.7	803.6 (a)	Base 1985=100
15. IBEX-35 (Dec 1989=3000)	Bank of Spain and Madrid Stock Exchange	9,703.6	8,812.9	7,347.3	8,0987	8,085.5 (a)	Base dec1989=3000
16. Madrid Stock Exchange PER ratio (share value/profitability)	Bank of Spain and Madrid Stock Exchange	15.6	13.2	15.1	127	281 (a)	Madrid Stock Exchange Ratio "share value/ capital profitability"
17. Long-term bonds. Stock trading volume (% chg.)	Bank of Spain and Madrid Stock Exchange		-		-	-	Variation for all stocks

B. Financial Markets (continued)

Indicator	Source	Average 2001-2018	2019	2020	2022 June	2022 July	Definition and calculation
18. Commercial paper. Trading balance (% chg.)	Bank of Spain and AIAF		-		-	-	AIAF fixed-income market
19. Commercial paper. Three-month interest rate	Bank of Spain and AIAF		-		-	-	AIAF fixed-income market
20. IBEX-35 financial futures concluded transactions (% chg.)	Bank of Spain	0.9	-14.4	5.1	06	-78	IBEX-35 shares concluded transactions
21. IBEX-35 financial options concluded transactions (%chg.)	Bank of Spain	12.9	30	35.4	-437	-667	IBEX-35 shares concluded transactions

(a) Last data published: September 15th, 2022.

Comment on "Financial Markets": Stock markets fell in the first half of September amid substantial volatility mainly due to uncertainty related to inflation and macroeconomic projections. The IBEX-35 decreased to 8,086 points, and the General Index of the Madrid Stock Exchange to 804. During July (last month available), there was an increase in transactions of outright spot T-bills to 27.77 and a fall of spot government bonds transactions to 10.56. There was a decrease in IBEX-35 futures of 78% and of options of 667%.

C. Financial Saving and Debt

Indicator	Source	Average 2008-2018	2019	2020	2021 Q4	2022 Q1	Definition and calculation
22. Net Financial Savings/GDP (National Economy)	Bank of Spain	-1.4	2.5	1.2	1.9	1.6	Difference between financial assets and financial liabilities flows over GDP
23. Net Financial Savings/GDP (Households and non-profit institutions)	Bank of Spain	1.7	2.2	7.1	2.8	3.1	Difference between financial assets and financial liabilities flows over GDP
24. Debt in securities (other than shares) and loans/GDP (National Economy)	Bank of Spain	270.1	282.0	335.3	319.9	307.9	Public debt. non-financial companies debt and households and non-profit institutions debt over GDP
25. Debt in securities (other than shares) and loans/GDP (Households and non-profit institutions)	Bank of Spain	63.7	56.9	62.5	58.4	57.0	Households and non-profit institutions debt over GDP
26. Households and non-profit institutions balance: financial assets (quarterly average % chg.)	Bank of Spain	0.5	5.9	1.8	2.7	-1.0	Total assets percentage change (financial balance)
27. Households and non-profit institutions balance: financial liabilities (quarterly average % chg.)	Bank of Spain	-1.2	0.3	0.3	0.8	-0.5	Total liabilities percentage change (financial balance)

Comment on "Financial Savings and Debt": During 2022Q1, the financial savings to GDP in the overall economy decreased to a rate of 1.6%. There was an increase in the financial savings rate of households to 3.1%. The debt to GDP ratio of the economy fell to 308%. Finally, there was a decrease in the stock of financial assets on households' balance sheets of 1% and of 0.5% in the stock of financial liabilities.

D. Credit institutions. Business Development

Indicator	Source	Average 2001-2019	2020	2021	2022 May	2022 June	Definition and calculation
28. Bank lending to other resident sectors (monthly average % var.)	Bank of Spain	5.2	-0.1	0.2	-0.01	0.9	Lending to the private sector percentage change for the sum of banks, savings banks and credit unions.
29. Other resident sectors' deposits in credit institutions (monthly average % var.)	Bank of Spain	6.3	0.6	0.3	0.7	1.0	Deposits percentage change for the sum of banks, savings banks and credit unions.
30. Debt securities (monthly average % var.)	Bank of Spain	8.8	0.8	-0.7	2.1	2.1	Asset-side debt securities percentage change for the sum of banks, savings banks and credit unions.
31. Shares and equity (monthly average % var.)	Bank of Spain	7.9	-0.2	0.1	0.9	-1.7	Asset-side equity and shares percentage change for the sum of banks, savings banks and credit unions.
32. Credit institutions. Net position (difference between assets from credit institutions and liabilities with credit institutions) (% of total assets)	Bank of Spain	-2.0	-1.9	0.5	2.1	2.8	Difference between the asset-side and liability-side "Credit System" item as a proxy of the net position in the interbank market (month-end).
33. Doubtful loans (monthly average % var.)	Bank of Spain	-0.4	-0.8	-0.4	-0.3	-5.6	Doubtful loans. Percentage change for the sum of banks, savings banks and credit unions.
34. Assets sold under repurchase (monthly average % var.)	Bank of Spain	2.2	-0.4	0.6	-6.7	-9.7	Liability-side assets sold under repurchase. Percentage change for the sum of banks, savings banks and credit unions.
35. Equity capital (monthly average % var.)	Bank of Spain	6.7	-0.3	-0.1	1.0	0.04	Equity percentage change for the sum of banks, savings banks and credit unions.

Comment on "Credit institutions. Business Development": The latest available data as of June show an increase in bank credit to the private sector of 0.9%. Data also show a growth in financial institutions' deposit-taking of 1%. Holdings of debt securities grew 2.1%. Doubtful loans decreased 5.6% compared to the previous month.

E. Credit institutions. Market Structure and Eurosystem Refinancing

Indicator	Source	Average 2000-2018	2019	2020	2021 December	2022 March	Definition and calculation
36. Number of Spanish credit institutions	Bank of Spain	179	114	113	110	111	Total number of banks, savings banks and credit unions operating in Spanish territory
37. Number of foreign credit institutions operating in Spain	Bank of Spain	76	81	78	84	82	Total number of foreign credit institutions operating in Spanish territory
38. Number of employees	Bank of Spain	231,976	176,838	175,185	164,101	164,101 (a)	Total number of employees in the banking sector
39. Number of branches	Bank of Spain	37,607	23,851	22,589	19,015	18,467	Total number of branches in the banking sector
40. Recourse to the Eurosystem: long term (total Eurozone financial institutions) (Euro millions)	Bank of Spain	371,551	642,118	1,774,798	2,206,332	2,124,718 (b)	Open market operations and ECB standing facilities. Eurozone total
41. Recourse to the Eurosystem: long term (total Spanish financial institutions) (Euro millions)	Bank of Spain	79,421	132,611	260,971	289,545	289,689 (b)	Open market operations and ECB standing facilities. Spain total
42. Recourse to the Eurosystem (total Spanish financial institutions): main refinancing operations (Euro millions)	Bank of Spain	26,049	102	3	16	16 (b)	Open market operations: main long term refinancing operations. Spain total

(a) Last data published: December 2021.

(b) Last data published: August 31st, 2022.

Comment on "Credit institutions. Market Structure and Eurosystem Refinancing": In August 2022, recourse to Eurosystem funding by Spanish credit institutions reached 289.7 billion euros.

MEMO ITEM: From January 2015, the ECB also offers information on the asset purchase programs. The amount borrowed by Spanish banks in these programs reached 626 billion euros in August 2022 and 4.9 trillion euros for the entire Eurozone banking system.

F. Credit institutions. Efficiency and Productivity, Risk and Profitability

Indicator	Source	Average 2000-2018	2019	2020	2021 Q4	2022 Q1	Definition and calculation
43. "Operating expenses/gross operating income" ratio	Bank of Spain	49.11	53.30	54.90	54.18	53.15	Operational efficiency indicator. Numerator and denominator are obtained directly from credit institutions' P&L accounts
44. "Customer deposits/employees" ratio (Euro thousands)	Bank of Spain	4,219.37	9,574.38	11,173.92	12,137.18	13,310.65	Productivity indicator (business by employee)
45. "Customer deposits/branches" ratio (Euro thousands)	Bank of Spain	27,149.27	74,450.04	89,952.10	111,819.77	118,280.77	Productivity indicator (business by branch)

F. Credit institutions. Efficiency and Productivity, Risk and Profitability (continued)

Indicator	Source	Average 2000-2018	2019	2020	2021 Q4	2022 Q1	Definition and calculation
46. "Branches/institutions" ratio	Bank of Spain	194.96	123.09	116.74	98.01	95.68	Network expansion indicator
47. "Employees/branches" ratio	Bank of Spain	6.24	7.7	8.1	9.2	8.8	Branch size indicator
48. "Equity capital" (monthly average % var.)	Bank of Spain	0.04	0.25	-2.4	0.6	0.2	Credit institutions equity capital variation indicator
49. ROA	Bank of Spain	0.43	0.59	0.4	0.5	0.4	Profitability indicator, defined as the "pre-tax profit/average total assets"
50. ROE	Bank of Spain	5.78	6.96	-0.7	6.9	5.3	Profitability indicator, defined as the "pre-tax profit/equity capital"

Comment on "Credit institutions. Efficiency and Productivity, Risk and Profitability": During 2022Q1, there was a relative decrease in the profitability of Spanish banks.