

50 Financial System Indicators

Updated: September 15th, 2020

Highlights		
Indicator	Last value available	Corresponding to:
Bank lending to other resident sectors (monthly average % var.)	-3.3	May 2020
Other resident sectors' deposits in credit institutions (monthly average % var.)	1.4	May 2020
Doubtful loans (monthly % var.)	1.0	May 2020
Recourse to the Eurosystem L/T (Eurozone financial institutions, million euros)	1,583,718	August 2020
Recourse to the Eurosystem L/T (Spanish financial institutions, million euros)	256,598	August 2020
Recourse to the Eurosystem (Spanish financial institutions million euros) - Main refinancing operations	3	August 2020
"Operating expenses/gross operating income" ratio (%)	56.92	March 2020
"Customer deposits/employees" ratio (thousand euros)	10,040.37	March 2020
"Customer deposits/branches" ratio (thousand euros)	78,602.17	March 2020
"Branches/institutions" ratio	123.24	March 2020

A. Money and Interest Rates

Indicator	Source	Average 2001-2017	2018	2019	2020 August	2020 September 15	Definition and calculation
1. Monetary Supply (% chg.)	ECB	5.2	4.1	5.0	-	-	M3 aggregate change (non-stationary)
2. Three-month interbank interest rate	Bank of Spain	1.7	-0.309	-0.354	-0.477	-0.484	Daily data average
3. One-year Euribor interest rate (from 1994)	Bank of Spain	2.1	-0.117	-0.249	-0.383	-0.403	End-of-month data
4. Ten-year Treasury bonds interest rate (from 1998)	Bank of Spain	3.8	1.4	0.6	0.3	0.3	Market interest rate (not exclusively between account holders)
5. Corporate bonds average interest rate	Bank of Spain	3.9	1.5	-	-	-	End-of-month straight bonds average interest rate (> 2 years) in the AIAF market

Comment on "Money and Interest Rates": Interbank rates decreased during the first half of September under an uncertain market situation due to the persistence of COVID-19. The 3-month interbank rate rose from -0.477% in August to -0.484% in September, while the 1-year Euribor increased from -0.383% to -0.403%. These dynamics have contributed to a very loose monetary environment, with the Federal Reserve and the ECB having significantly expanded their respective stimulus programs due to ongoing effects of COVID-19. As for the Spanish 10-year bond yield, it stands at 0.3%.

B. Financial Markets

Indicator	Source	Average 2001-2016	2018	2019	2020 June	2020 July	Definition and calculation
6. Outright spot treasury bills transactions trade ratio	Bank of Spain	18.4	84.2	288.7	26.48	29.34	(Traded amount/outstanding balance) ×100 in the market (not exclusively between account holders)
7. Outright spot government bonds transactions trade ratio	Bank of Spain	18.1	49.2	87.2	24.52	20.08	(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	1.07	0.01	1.44	0.04	(Traded amount/outstanding balance) ×100 in the market (not exclusively between account holders)
9. Outright forward government bonds transactions trade ratio	Bank of Spain	0.5	1.84	1.2	0.51	0.45	(Traded amount/outstanding balance) in the market (not exclusively between account holders)
10. Three-month maturity treasury bills interest rate	Bank of Spain	0.6	-0.52	-0.54	-0.54	-0.49	Outright transactions in the market (not exclusively between account holders)
11. Government bonds yield index (Dec1987=100)	Bank of Spain	701.8	1,164.63	1,311.87	-	-	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	0.3	-5.9	1.2	0.9	-3.9	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	3.1	-5.3	-7.4	69.4	-36.1	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	1,015.6	862.6	881.6	714.6	692.9 (a)	Base 1985=100
15. Ibex-35 (Dec 1989=3000)	Bank of Spain and Madrid Stock Exchange	9,772.1	8,539.9	8,812.9	7,231.4	7,036.0 (a)	Base dec1989=3000
16. Madrid Stock Exchange PER ratio (share value/profitability)	Bank of Spain and Madrid Stock Exchange	15.8	12.2	13.2	17.4	16.9 (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 2001-2016	2018	2019	2020 June	2020 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	1.3	-6.1	-14.4	9.6	-16.5	IBEX-35 shares concluded transactions
21. IBEX-35 financial options concluded transactions (%chg.)	Bank of Spain	10.3	58.5	30	5.8	-64.1	IBEX-35 shares concluded transactions

(a) Last data published: September 15th, 2020

Comment on "Financial Markets": During July (last month available), there was an increase in transactions with outright spot T-bills to 29.34 and a decrease of spot government bonds transactions to 20.08. The stock market recovered some ground during the first half of September –albeit under considerable volatility– but the IBEX-35 was still down to 7,036 points and the General Index of the Madrid Stock Exchange down to 693. There was a 16.5% decrease in Ibx-35 futures and a 64.1% decrease in options.

C. Financial Saving and Debt

Indicator	Source	Average 2008-2015	2017	2018	2019	2020 Q1	Definition and calculation
22. Net Financial Savings/GDP (National Economy)	Bank of Spain	-2.3	2.0	1.5	2.3	2.4	Difference between financial assets and financial liabilities flows over GDP
23. Net Financial Savings/GDP (Households and non-profit institutions)	Bank of Spain	2.1	0.5	0.1	2.2	2.7	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	261.5	287.4	280.7	282.0	284.4	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	64.6	61.3	58.9	56.9	56.9	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	3.8	-1.6	5.9	-4.5	Total assets percentage change (financial balance)
27. Households and non-profit institutions balance: financial liabilities (quarterly average % chg.)	Bank of Spain	-1.5	-0.1	0.1	0.3	-0.8	Total liabilities percentage change (financial balance)

Comment on "Financial Savings and Debt": During 2020Q1 the ratio of net financial savings to GDP in the overall economy increased 2.4% of GDP. There was an increase in the net financial savings rate of households to 2.7% of GDP. The debt to GDP ratio of the economy reached 284%. Finally, the stock of financial assets on households' balance sheets registered a decrease of 4.5%, while the stock of financial liabilities fell by 0.8%.

D. Credit institutions. Business Development

Indicator	Source	Average 2001-2017	2018	2019	2020 April	2020 May	Definition and calculation
28. Bank lending to other resident sectors (monthly average % var.)	Bank of Spain	6.1	-4.7	0.2	1.6	-3.3	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	7.0	0.7	0.3	2.1	1.4	Deposits percentage change for the sum of banks, savings banks and credit unions.
30. Debt securities (monthly average % var.)	Bank of Spain	9.95	-0.9	-0.3	3.0	3.5	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	9.3	-8.8	0.5	-0.2	-0.7	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	-2.2	-0.6	-1.6	-2.6	-3.0	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	-0.3	-2.3	-1.7	0.8	1.0	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	2.6	-1.4	-1.1	-0.9	8.7	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	7.8	-4.1	0.3	0.04	0.01	Equity percentage change for the sum of banks and savings banks and credit unions.

Comment on "Credit institutions. Business Development": The latest available data as of May show a decrease in bank credit to the private sector of 3.3%. Data also show an increase of financial institutions deposit-taking of 1.4%. Holdings of debt securities increased 3.5%. Doubtful loans grew 1% compared to the previous month.

E. Credit institutions. Market Structure and Eurosystem Refinancing

Indicator	Source	Average 2001-2015	2016	2017	2019 December	2020 May	Definition and calculation
36. Number of Spanish credit institutions	Bank of Spain	194	124	122	114	113	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	75	82	83	81	81	Total number of foreign credit institutions operating in Spanish territory
38. Number of employees	Bank of Spain	246,618	189,280	187,472	181,999(a)	-	Total number of employees in the banking sector
39. Number of branches	Bank of Spain	40,047	28,643	27,320	23,851	23,565	Total number of branches in the banking sector
40. Recourse to the Eurosystem: long term (total Eurozone financial institutions) (Euro millions)	Bank of Spain	318,141	527,317	762,540	642,118	1,583,718 (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	65,106	138,455	170,445	132,611	256,598 (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	20,270	1,408	96	102	3 (b)	Open market operations: main long term refinancing operations. Spain total

(a) Last data published: December 2018.

(b) Last data published: August 2020.

Comment on "Credit institutions. Market Structure and Eurosystem Refinancing": In August 2020, recourse to Eurosystem funding by Spanish credit institutions reached 256.6 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 423 billion euros in May 2020, and 3.3 trillion euros for the entire Eurozone banking system.

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

Indicator	Source	Average 2000-2016	2017	2018	2019	2020Q1	Definition and calculation
43. "Operating expenses/gross operating income" ratio	Bank of Spain	49.6	54.03	54.39	53.30	56.92	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	3,756.85	6,532.25	9,461.19	9,574.38	10,040.37	Productivity indicator (business by employee)
45. "Customer deposits/branches" ratio (Euro thousands)	Bank of Spain	23,407.19	47,309.12	68,190.72	74,450.04	78,602.17	Productivity indicator (business by branch)

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

Indicator	Source	Average 2000-2016	2017	2018	2019	2020Q1	Definition and calculation
46. "Branches/institutions" ratio	Bank of Spain	203.20	122.22	131.36	123.09	123.24	Network expansion indicator
47. "Employees/branches" ratio	Bank of Spain	6.15	6.97	7.2	7.7	7.9	Branch size indicator
48. "Equity capital (monthly average % var.)"	Bank of Spain	0.05	0.84	-0.79	0.25	-1.12	Credit institutions equity capital variation indicator
49. ROA	Bank of Spain	0.43	0.44	0.57	0.59	-0.01	Profitability indicator, defined as the "pre-tax profit/average total assets"
50. ROE	Bank of Spain	6.01	3.66	4.25	6.96	0.21	Profitability indicator, defined as the "pre-tax profit/equity capital"

Comment on "Credit institutions. Efficiency and Productivity, Risk and Profitability": During 2020Q1, there was a fall in the profitability of Spanish banks, driven by the effects of COVID-19, to some extent due to the substantial provisions made to cover potential losses.