

50 Financial System Indicators

Updated: May 15th, 2020

Highlights		
Indicator	Last value available	Corresponding to:
Bank lending to other resident sectors (monthly average % var.)	-0.3	February 2020
Other resident sectors' deposits in credit institutions (monthly average % var.)	0.4	February 2020
Doubtful loans (monthly % var.)	-1.1	February 2020
Recourse to the Eurosystem L/T (Eurozone financial institutions, million euros)	895,688	April 2020
Recourse to the Eurosystem L/T (Spanish financial institutions, million euros)	167,524	April 2020
Recourse to the Eurosystem (Spanish financial institutions million euros) - Main refinancing operations	2	April 2020
"Operating expenses/gross operating income" ratio (%)	53.30	December 2019
"Customer deposits/employees" ratio (thousand euros)	9,574.38	December 2019
"Customer deposits/branches" ratio (thousand euros)	74,450.04	December 2019
"Branches/institutions" ratio	123.09	December 2019

A. Money and Interest Rates

Indicator	Source	Average 2001-2017	2018	2019	2020 April	2020 May 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	-0.273	-0.253	Daily data average
3. One-year Euribor interest rate (from 1994)	Bank of Spain	2.1	-0.117	-0.249	-0.118	-0.068	End-of-month data
4. Ten-year Treasury bonds interest rate (from 1998)	Bank of Spain	3.8	1.4	0.6	0.8	0.8	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 increased during the first half of May, under an uncertain market situation. The 3-month interbank rate increased from -0.273% in April to -0.253%, and the 1-year Euribor increased from -0.118% to -0.068%. Monetary policy has accentuated its expansionary stance with the latest decisions of the ECB, significantly expanding the stimulus program due to the concerns surrounding the effects of COVID-19. As for the Spanish 10-year bond yield, it remained around 0.8%.

B. Financial Markets

Indicator	Source	Average 2001-2017	2018	2019	2020 February	2020 March	Definition and calculation
6. Outright spot treasury bills transactions trade ratio	Bank of Spain	18.4	84.2	288.7	33.96	23.79	(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	27.40	16.74	(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	0.01	0.50	(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	0.39	0.44	(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	-0.45	-0.29	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	-6.3	-20.9	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	-8.3	66.7	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	1,015.6	862.6	881.6	870.0	639.8 (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	8,723.2	6,474.9 (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	15.1	11.4 (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 2001-2017	2018	2019	2020 February	2020 March	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	26.2	42.5	IBEX-35 shares concluded transactions
21. IBEX-35 financial options concluded transactions (%chg.)	Bank of Spain	10.3	58.5	30	11.1	-53.3	IBEX-35 shares concluded transactions

(a) Last data published: May 15th, 2020.

Comment on "Financial Markets": During March, there was a decrease in transactions with outright spot T-bills to 23.79 and of spot government bonds transactions to 16.74. Due to the uncertainty around coronavirus, the stock market has registered a fall in the first half of May with the IBEX-35 decreasing to 6,475 points, and the General Index of the Madrid Stock Exchange up to 640. There was an increase in Ibx-35 futures of 42.5% and a fall in options of 53.3%.

C. Financial Saving and Debt

Indicator	Source	Average 2008-2015	2017	2018	2019 Q3	2019 Q4	Definition and calculation
22. Net Financial Savings/GDP (National Economy)	Bank of Spain	-2.3	2.0	1.5	2.2	2.3	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	2.4	2.2	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	288.9	282.0	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	57.4	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	-0.3	1.5	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	-1.5	0.3	Total liabilities percentage change (financial balance)

Comment on "Financial Savings and Debt": During 2019Q4, the financial savings to GDP in the overall economy increased 2.3% of GDP. There was an increase in the financial savings rate of households of 2.2%. The debt to GDP ratio of the economy reached 282%. Finally, the stock of financial assets on households' balance sheets registered a growth of 1.5%, and there was also an increase of 0.3% in the stock of financial liabilities.

D. Credit institutions. Business Development

Indicator	Source	Average 2001-2017	2018	2019	2020 January	2020 February	Definition and calculation
28. Bank lending to other resident sectors (monthly average % var.)	Bank of Spain	6.1	-4.7	0.2	-0.3	-0.3	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	-1.4	0.4	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	-2.9	0.7	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	0.5	-1.2	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	-1.4	-1.2	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	0.4	-1.1	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	-9.8	-10.8	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	0.2	-0.1	Equity percentage change for the sum of banks u savings banks and credit unions.

Comment on "Credit institutions. Business Development": The latest available data as of February show a fall in bank credit to the private sector of 0.3%. Data also show an increase of financial institutions deposit-taking of 0.4%. Holdings of debt securities fell 1.2%. Doubtful loans decreased 1.1% compared to the previous month.

E. Credit institutions. Market Structure and Eurosystem Refinancing

Indicator	Source	Average 2000-2016	2017	2018	2019 September	2019 December	Definition and calculation
36. Number of Spanish credit institutions	Bank of Spain	187	122	115	115	114	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	83	83	84	81	Total number of foreign credit institutions operating in Spanish territory
38. Number of employees	Bank of Spain	237,662	187,472	181,999	181,999 (a)	-	Total number of employees in the banking sector
39. Number of branches	Bank of Spain	38,895	27,320	26,011	24,855	23,851	Total number of branches in the banking sector
40. Recourse to the Eurosystem: long term (total Eurozone financial institutions) (Euro millions)	Bank of Spain	327,735	762,54	725,445	686,874	895,688 (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	68,891	170,445	167,421	145,835	167,524 (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	19,286	96	167	97	2 (b)	Open market operations: main long term refinancing operations. Spain total

(a) Last data published: December 2018.

(b) Last data published: April 2020.

Comment on "Credit institutions. Market Structure and Eurosystem Refinancing": In April 2020, recourse to Eurosystem funding by Spanish credit institutions reached 167.5 billion euro.

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 356 billion euro in February 2020, and 2.8 trillion euro for the entire Eurozone banking system.

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

Indicator	Source	Average 2000-2015	2016	2017	2018	2019	Definition and calculation
43. "Operating expenses/gross operating income" ratio	Bank of Spain	49.3	54.18	54.03	54.39	53.30	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	3,641.63	5,600.48	6,532.25	9,461.19	9,574.38	Productivity indicator (business by employee)
45. "Customer deposits/branches" ratio (Euro thousands)	Bank of Spain	22,404.08	39,457.04	47,309.12	68,190.72	74,450.04	Productivity indicator (business by branch)

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

Indicator	Source	Average 2000-2015	2016	2017	2018	2019	Definition and calculation
46. "Branches/institutions" ratio	Bank of Spain	207.16	139.84	122.22	131.36	123.09	Network expansion indicator
47. "Employees/branches" ratio	Bank of Spain	6.1	7.05	6.97	7.2	7.7	Branch size indicator
48. "Equity capital (monthly average % var.)	Bank of Spain	0.10	-0.62	0.84	-0.79	0.25	Credit institutions equity capital variation indicator
49. ROA	Bank of Spain	0.44	0.26	0.44	0.57	0.59	Profitability indicator, defined as the "pre-tax profit/average total assets"
50. ROE	Bank of Spain	6.19	3.12	3.66	4.25	6.96	Profitability indicator, defined as the "pre-tax profit/equity capital"

Comment on "Credit institutions. Efficiency and Productivity, Risk and Profitability": During 2019, most of the profitability and efficiency indicators improved for Spanish banks. Productivity indicators have also improved since the restructuring process of the Spanish banking sector was implemented.