



ING Direct Spain

Dynamic Arrears Data Analysis

Underlying portfolio: Bank residential mortgage book

Period	Outstanding loan balance	detail					Denounced loans	Do not amend		detail		Do not amend	
		1-30 days in arrears	31-90 days in arrears	31-60 days in arrears	61-90 days in arrears	90+ days in arrears		1-30 days in arrears	31-90 days in arrears	31-60 days in arrears	61-90 days in arrears	90+ days in arrears (incl. denounced)	Total defaults
Q108	6,212,670,166	8,190,484	3,417,083	3,417,083			6,576,048	0.1%	0.1%	0.1%	0.0%	0.1%	0.3%
Q208	6,761,622,768	8,716,728	5,231,681	5,231,681			7,521,540	0.1%	0.1%	0.1%	0.0%	0.1%	0.3%
Q308	7,080,434,403	15,104,332	4,394,012	4,394,012			11,674,236	0.2%	0.1%	0.1%	0.0%	0.2%	0.4%
Q408	7,136,074,984	12,223,128	5,963,902	5,963,902			14,726,876	0.2%	0.1%	0.1%	0.0%	0.2%	0.5%
Q109	7,233,923,765	17,348,231	12,177,053	8,068,459	4,108,594		15,773,757	0.2%	0.2%	0.1%	0.1%	0.2%	0.6%
Q209	7,390,945,285	12,679,651	12,068,667	11,828,946	239,721		26,201,513	0.2%	0.2%	0.2%	0.0%	0.4%	0.7%
Q309	7,416,780,062	18,802,998	9,433,825	9,433,825			29,456,246	0.3%	0.1%	0.1%	0.0%	0.4%	0.8%
Q409	7,362,754,319	15,402,140	9,374,333	9,374,333			35,448,586	0.2%	0.1%	0.1%	0.0%	0.5%	0.8%
Q110	7,328,725,097	16,287,847	9,425,649	9,425,649			37,742,118	0.2%	0.1%	0.1%	0.0%	0.5%	0.9%
Q210	7,367,905,966	16,442,292	8,988,083	8,988,083			41,595,327	0.2%	0.1%	0.1%	0.0%	0.6%	0.9%
Q310	7,473,241,791	20,805,690	6,685,146	6,685,146			42,943,993	0.3%	0.1%	0.1%	0.0%	0.6%	0.9%
Q410	7,762,649,036	17,289,486	9,867,104	9,867,104			45,953,425	0.2%	0.1%	0.1%	0.0%	0.6%	0.9%
Q111	7,951,017,658	20,971,822	9,843,569	9,843,569			45,362,879	0.3%	0.1%	0.1%	0.0%	0.6%	1.0%
Q211	8,343,168,197	22,210,855	9,995,801	9,995,801			45,783,613	0.3%	0.1%	0.1%	0.0%	0.5%	0.9%
Q311	8,646,411,874	25,107,550	12,700,697	12,700,697			48,207,833	0.3%	0.1%	0.1%	0.0%	0.6%	1.0%
Q411	8,682,497,883	20,071,776	12,900,919	12,900,919			50,700,184	0.2%	0.1%	0.1%	0.0%	0.6%	1.0%
Q112	8,717,056,816	18,376,454	10,744,450	10,744,450			61,396,895	0.2%	0.1%	0.1%	0.0%	0.7%	1.0%
Q212	8,809,488,921	22,849,538	13,314,591	13,314,591			62,026,863	0.3%	0.2%	0.2%	0.0%	0.7%	1.1%
Q312	8,908,491,257	22,408,875	13,782,497	13,782,497			67,690,316	0.3%	0.2%	0.2%	0.0%	0.8%	1.2%
Q412	9,076,693,691	28,822,692	13,084,064	13,084,064			66,882,283	0.3%	0.1%	0.1%	0.0%	0.7%	1.2%
Q113	9,036,784,684	19,280,093	11,802,344	11,802,344			69,226,894	0.2%	0.1%	0.1%	0.0%	0.8%	1.1%
Q213	9,031,098,340	19,654,473	12,885,387	12,885,387			72,648,008	0.2%	0.1%	0.1%	0.0%	0.8%	1.2%
Q313	9,059,506,051	19,132,134	14,070,076	13,846,540	223,536		73,181,588	0.2%	0.2%	0.2%	0.0%	0.8%	1.2%
Q413	9,136,722,217	16,235,708	7,697,094	7,697,094			80,850,051	0.2%	0.1%	0.1%	0.0%	0.9%	1.1%
Q114	9,256,439,366	19,599,793	10,771,901	10,685,901	86,000		81,168,211	0.2%	0.1%	0.1%	0.0%	0.9%	1.2%
Q214	9,426,762,886	16,029,645	11,089,544	11,089,544			81,124,748	0.2%	0.1%	0.1%	0.0%	0.9%	1.1%
Q314	9,552,353,761	17,613,244	8,966,960	8,966,960			73,739,329	0.2%	0.1%	0.1%	0.0%	0.8%	1.1%
Q414	9,652,810,312	14,358,609	6,774,993	6,774,993			76,593,817	0.1%	0.1%	0.1%	0.0%	0.8%	1.0%
Q115	9,762,942,101	15,042,027	7,374,553	7,374,553			90,475,950	0.2%	0.1%	0.1%	0.0%	0.9%	1.2%
Q215	9,951,919,077	15,144,999	6,934,816	6,934,816			90,321,144	0.2%	0.1%	0.1%	0.0%	0.9%	1.1%
Q315	10,134,796,541	17,168,765	7,302,160	7,302,160			86,000,168	0.2%	0.1%	0.1%	0.0%	0.8%	1.1%
Q415	10,453,176,835	14,057,771	7,339,452	7,339,452			87,549,237	0.1%	0.1%	0.1%	0.0%	0.8%	1.0%
Q116	10,785,331,616	15,793,444	8,931,921	8,931,921			81,462,324	0.1%	0.1%	0.1%	0.0%	0.8%	1.0%
Q216	11,138,040,618	11,750,547	6,825,787	6,825,787			78,249,410	0.1%	0.1%	0.1%	0.0%	0.7%	0.9%
Q316	11,446,837,601	12,252,507	5,701,215	5,701,215			77,245,823	0.1%	0.0%	0.0%	0.0%	0.7%	0.8%
Q416	11,750,365,870	11,066,140	4,436,050	4,436,050			75,068,635	0.1%	0.0%	0.0%	0.0%	0.6%	0.8%
Q117	12,071,980,093	12,241,337	3,458,697	3,458,697			72,828,678	0.1%	0.0%	0.0%	0.0%	0.6%	0.7%
Q217	12,475,083,594	9,894,328	4,296,612	4,296,612			67,823,572	0.1%	0.0%	0.0%	0.0%	0.5%	0.7%
Q317	12,787,823,205	15,040,980	4,815,066	4,815,066			67,713,105	0.1%	0.0%	0.0%	0.0%	0.5%	0.7%
Q417	13,097,457,745	10,963,920	7,057,671	7,057,671			65,014,235	0.1%	0.0%	0.1%	0.0%	0.5%	0.6%
Q118	13,487,645,666	13,588,135	4,072,142	4,072,142			62,128,920	0.1%	0.0%	0.0%	0.0%	0.5%	0.6%
Q218	14,028,073,726	11,916,410	4,589,688	4,589,688			58,590,911	0.1%	0.0%	0.0%	0.0%	0.4%	0.5%
Q318	14,541,467,891	14,459,749	5,198,033	5,198,033			58,495,743	0.1%	0.0%	0.0%	0.0%	0.4%	0.5%
Q418	15,105,075,729	11,692,413	6,419,943	6,419,943			57,122,923	0.1%	0.0%	0.0%	0.0%	0.4%	0.5%
Q119	15,740,886,869	12,892,293	6,125,097	6,125,097			57,087,025	0.1%	0.0%	0.0%	0.0%	0.4%	0.5%
Q219	16,277,056,189	12,688,355	5,275,453	5,275,453			56,898,333	0.1%	0.0%	0.0%	0.0%	0.3%	0.5%
Q319	16,972,300,535	18,965,838	6,843,721	6,843,721			55,953,841	0.1%	0.0%	0.0%	0.0%	0.3%	0.5%
Q419	17,350,165,877	13,622,388	6,899,441	6,853,616	45,825		59,447,875	0.1%	0.0%	0.0%	0.0%	0.3%	0.5%
Q120	17,644,177,407	16,833,387	19,690,884	8,658,828	11,032,057		48,204,131	0.1%	0.1%	0.0%	0.1%	0.3%	0.5%
Q220	17,823,869,939	12,247,763	23,184,235	10,020,126	13,164,110		57,859,179	0.1%	0.1%	0.1%	0.1%	0.3%	0.5%
Q320	18,164,912,652	17,416,624	15,939,413	8,697,241	7,242,172		64,484,761	0.10%	0.09%	0.05%	0.04%	0.35%	0.54%

# ING Direct Spain

Dynamic Prepayment Data Analysis

**Prepayment definition:** Full and partial unscheduled principal payments  
**Undelaying portfolio:** Bank residential mortgage book

Period	Total Loan Balance - fixed rate	Total Loan Balance - revisable rate	Do not amend		Annualised CPR
			Partial and Full normal Prepayments	Partial and Full renegotiation Prepayments	
30-Sep-2012	99,117,160	8,809,363,835	28,960,866	12,263,947	5.4%
31-Oct-2012	98,842,230	8,839,425,699	29,427,927	12,798,817	5.5%
30-Nov-2012	99,081,183	8,883,372,259	29,881,552	15,376,152	5.9%
31-Dec-2012	97,577,031	8,979,082,959	30,366,691	51,377,410	10.3%
31-Jan-2013	95,283,480	8,955,865,714	30,933,568	20,773,724	6.6%
28-Feb-2013	94,691,261	8,952,258,546	31,677,640	12,233,831	5.7%
31-Mar-2013	93,665,048	8,943,108,045	32,057,323	13,507,373	5.9%
30-Apr-2013	90,735,318	8,932,942,317	32,318,738	16,737,240	6.3%
31-May-2013	89,512,744	8,938,776,019	32,427,023	14,391,875	6.0%
30-Jun-2013	80,202,108	8,950,877,929	32,595,173	11,198,726	5.7%
31-Jul-2013	76,227,658	8,975,702,293	32,878,558	13,802,661	6.0%
31-Aug-2013	70,744,771	8,981,293,166	32,908,207	8,707,630	5.4%
30-Sep-2013	64,807,328	8,994,715,464	33,028,379	11,017,640	5.7%
31-Oct-2013	58,411,524	9,033,858,684	33,188,741	12,250,181	5.8%
30-Nov-2013	50,761,720	9,075,372,324	33,241,407	14,004,753	6.0%
31-Dec-2013	46,602,892	9,089,992,925	33,446,748	56,181,232	11.2%
31-Jan-2014	43,402,917	9,118,799,577	33,442,590	21,378,400	6.9%
28-Feb-2014	39,492,793	9,158,372,810	33,608,014	11,164,953	5.7%
31-Mar-2014	37,148,699	9,219,234,219	33,737,709	15,005,073	6.1%
30-Apr-2014	33,053,807	9,287,627,396	33,875,317	16,041,380	6.2%
31-May-2014	30,758,075	9,337,112,213	34,095,155	16,158,635	6.3%
30-Jun-2014	29,016,910	9,397,698,302	34,232,754	15,572,124	6.2%
31-Jul-2014	25,415,079	9,465,586,552	34,403,037	19,342,643	6.6%
31-Aug-2014	21,168,968	9,489,812,690	34,489,612	14,267,945	6.0%
30-Sep-2014	20,163,212	9,532,179,637	34,775,838	16,606,538	6.3%
31-Oct-2014	18,642,656	9,570,944,130	34,894,615	16,359,444	6.2%
30-Nov-2014	17,582,409	9,603,154,361	35,109,904	21,495,899	6.8%
31-Dec-2014	15,639,696	9,637,009,155	35,415,916	66,654,858	12.0%
31-Jan-2015	13,610,587	9,651,237,597	35,595,282	27,964,823	7.6%
28-Feb-2015	12,385,761	9,687,943,235	35,977,433	18,743,997	6.6%
31-Mar-2015	12,022,715	9,750,832,729	36,193,996	20,351,951	6.7%
30-Apr-2015	11,960,528	9,800,486,770	36,452,589	19,741,183	6.7%
31-May-2015	11,919,451	9,862,074,456	36,784,819	18,054,594	6.5%
30-Jun-2015	11,815,245	9,939,974,974	37,131,641	21,745,668	6.9%
31-Jul-2015	12,485,652	10,031,808,648	37,459,522	25,248,936	7.2%
31-Aug-2015	15,041,736	10,060,957,594	37,797,383	15,552,998	6.2%
30-Sep-2015	23,328,648	10,111,385,445	38,227,566	20,272,131	6.7%
31-Oct-2015	33,180,385	10,179,317,460	38,470,014	24,037,780	7.1%
30-Nov-2015	45,143,539	10,276,803,781	38,757,673	28,599,463	7.6%
31-Dec-2015	62,916,785	10,390,159,593	39,068,810	72,284,665	12.1%
31-Jan-2016	73,768,107	10,460,731,133	39,387,071	33,282,627	8.0%
29-Feb-2016	84,332,118	10,581,993,762	39,980,861	29,600,786	7.6%
31-Mar-2016	96,728,959	10,688,481,621	40,313,749	24,751,012	7.0%
30-Apr-2016	107,877,417	10,807,443,293	41,013,719	27,729,821	7.3%
31-May-2016	124,559,011	10,901,155,516	41,392,949	30,472,341	7.5%
30-Jun-2016	142,350,619	10,995,829,563	41,970,947	34,807,481	8.0%
31-Jul-2016	162,839,032	11,086,336,748	42,295,774	33,240,122	7.8%
31-Aug-2016	181,355,228	11,153,425,939	42,803,489	22,147,299	6.7%
30-Sep-2016	203,353,384	11,243,482,998	43,258,658	27,060,402	7.1%
31-Oct-2016	224,195,718	11,315,073,581	43,609,960	31,016,302	7.5%
30-Nov-2016	244,023,250	11,401,195,332	44,023,261	33,959,639	7.7%
31-Dec-2016	269,940,555	11,480,328,723	44,331,592	77,815,543	11.8%
31-Jan-2017	291,873,934	11,539,105,913	44,647,746	40,501,020	8.3%
28-Feb-2017	317,270,434	11,616,227,567	45,098,402	31,189,964	7.4%
31-Mar-2017	346,951,758	11,724,892,085	45,487,578	36,504,999	7.9%
30-Apr-2017	372,365,012	11,812,247,275	45,821,831	32,065,503	7.4%
31-May-2017	401,896,290	11,913,514,382	46,277,733	33,297,923	7.5%
30-Jun-2017	441,513,179	12,032,971,672	46,455,790	35,457,277	7.6%
31-Jul-2017	483,666,516	12,131,628,335	47,103,177	38,667,863	7.9%
31-Aug-2017	514,145,955	12,179,863,482	47,572,347	23,997,206	6.6%
30-Sep-2017	549,423,995	12,238,316,867	48,021,812	29,893,211	7.1%
31-Oct-2017	588,993,132	12,290,397,991	48,363,669	34,769,896	7.5%
30-Nov-2017	637,179,840	12,363,385,045	48,740,537	34,763,580	7.4%
31-Dec-2017	686,536,976	12,410,071,394	49,013,045	77,172,228	11.0%
31-Jan-2018	730,176,273	12,484,229,337	49,184,926	45,925,583	8.3%
28-Feb-2018	779,675,023	12,559,530,566	49,525,296	33,572,857	7.2%
31-Mar-2018	841,992,411	12,645,010,056	49,886,867	40,361,156	7.7%
30-Apr-2018	908,550,380	12,748,727,625	50,148,623	39,691,247	7.6%
31-May-2018	982,331,342	12,842,280,423	50,484,329	40,602,752	7.6%
30-Jun-2018	1,074,733,309	12,952,922,541	50,959,698	42,122,725	7.7%
31-Jul-2018	1,186,600,623	13,060,307,708	51,371,036	48,324,912	8.1%
31-Aug-2018	1,271,550,654	13,127,841,224	51,765,772	30,922,242	6.7%
30-Sep-2018	1,354,731,935	13,186,096,745	52,335,472	35,768,194	7.0%
31-Oct-2018	1,467,165,136	13,272,255,867	52,746,999	40,247,444	7.3%
30-Nov-2018	1,583,994,667	13,360,395,854	53,065,854	40,818,052	7.3%
31-Dec-2018	1,709,356,629	13,394,680,942	53,555,429	89,009,148	10.8%
31-Jan-2019	1,815,658,066	13,452,663,208	53,935,168	53,563,791	8.1%
28-Feb-2019	1,938,610,941	13,535,497,810	54,371,011	41,493,092	7.2%
31-Mar-2019	2,087,855,338	13,652,770,772	54,807,150	46,529,501	7.5%
30-Apr-2019	2,205,037,774	13,746,806,263	55,318,084	46,224,039	7.4%
31-May-2019	2,313,740,756	13,852,022,641	55,909,345	90,621,204	10.4%
30-Jun-2019	2,380,277,860	13,895,737,294	56,306,203	48,083,224	7.4%
31-Jul-2019	2,500,933,406	14,070,339,864	56,873,626	45,081,204	7.1%
31-Aug-2019	2,591,243,553	14,174,930,670	57,166,433	33,813,065	6.3%
30-Sep-2019	2,671,555,275	14,300,761,370	57,964,518	41,638,312	6.8%
31-Oct-2019	2,742,826,401	14,408,048,966	58,528,705	49,469,674	7.3%

