

FNMA Prepayment Speed Comparison
 July 2017
 FNMA Jumbos vs FNMA Generic

	Jumbo Data		CPR Differences vs Generic					% CPR Differences vs Generic				
	Cur Bal (MM)	CPR (Jul)	Jul	Jun	3mo	6mo	12mo	Jul	Jun	3mo	6mo	12mo
15yr Jumbo 2	102	5.9	-1.9	1.0	-0.5	2.2	3.0	-32%	11%	-7%	25%	29%
2013	77	7.3	-2.0	-5.4	-2.8	2.0	2.6	-27%	-104%	-41%	19%	24%
15yr Jumbo 2.5	2,015	6.9	-2.0	-2.4	-1.8	-1.8	1.0	-30%	-32%	-24%	-29%	9%
2017	28	0.4	-3.9	-2.9	-2.6	-	-	-1089%	-282%	-250%	-	-
2016	761	5.3	-1.2	-0.1	-1.0	-1.1	-0.4	-22%	-2%	-17%	-26%	-8%
2015	317	3.4	-6.1	0.1	-2.2	-1.5	2.6	-181%	1%	-29%	-22%	19%
2014	48	0.7	-10.6	-0.4	-7.3	-4.9	3.1	-1490%	-3%	-147%	-85%	19%
2013	510	11.7	1.5	-4.5	-0.6	-2.0	0.6	13%	-70%	-6%	-26%	6%
2012	351	7.6	-3.0	-4.9	-2.4	-1.4	0.4	-39%	-74%	-28%	-17%	3%
15yr Jumbo 3	462	9.6	-1.1	-2.7	-0.9	-0.7	3.4	-12%	-30%	-8%	-7%	22%
2017	56	12.3	6.2	-5.6	-1.5	-2.6	-	50%	-1428%	-32%	-120%	-
2014	30	16.8	4.2	-13.0	-0.7	-0.4	6.0	25%	-1432%	-6%	-4%	30%
2012	111	13.0	1.6	-6.2	1.8	-0.8	4.2	13%	-94%	13%	-8%	25%
2011	219	7.9	-3.9	-2.2	-2.8	-1.8	0.4	-50%	-20%	-30%	-18%	3%
15yr Jumbo 3.5	192	16.8	4.7	0.7	2.3	3.6	4.4	28%	5%	15%	23%	24%
2011	131	12.4	-0.6	-0.1	-1.1	0.5	2.8	-5%	0%	-9%	4%	16%
2010	46	22.7	9.0	2.2	7.7	4.3	2.5	40%	14%	36%	25%	14%
30yr Jumbo 2.5	365	5.5	-1.2	-2.6	-1.6	-1.8	-0.7	-22%	-50%	-30%	-46%	-13%
2016	187	3.3	-0.8	0.5	0.2	0.1	-0.1	-23%	13%	4%	4%	-3%
2012	169	4.5	-3.7	-3.2	-2.5	-2.7	0.0	-83%	-47%	-40%	-62%	0%
30yr Jumbo 3	31,196	7.1	-0.7	-0.5	-1.0	-0.9	1.3	-10%	-7%	-13%	-15%	13%
2017	184	0.8	-1.5	-4.2	-2.7	-1.7	-	-191%	2476%	-1055%	-794%	-
2016	14,214	5.2	-0.6	-0.2	-0.6	-0.3	0.4	-11%	-4%	-11%	-8%	8%
2015	3,028	10.3	1.2	-1.2	-0.8	-1.0	2.1	12%	-13%	-9%	-14%	16%
2014	569	3.6	-6.1	-0.6	-3.7	-2.9	-1.7	-168%	-6%	-57%	-48%	-12%
2013	6,564	8.1	-1.8	-0.2	-1.3	-1.1	1.5	-23%	-2%	-14%	-14%	12%
2012	6,634	9.4	0.0	-0.8	-0.9	-1.2	1.8	-1%	-8%	-10%	-17%	14%
30yr Jumbo 3.5	20,554	12.3	1.2	-0.4	0.4	0.2	5.5	10%	-3%	3%	2%	28%
2017	3,941	4.7	0.7	1.4	0.6	0.0	-	14%	26%	13%	-2%	-
2016	5,032	15.7	6.4	3.9	4.8	3.6	5.5	41%	30%	36%	34%	40%
2015	3,176	15.4	3.6	-0.3	2.3	1.3	9.5	23%	-2%	16%	11%	39%
2014	1,365	14.4	0.4	1.0	0.1	-0.6	5.5	3%	6%	1%	-5%	22%
2013	1,520	14.2	1.8	-2.7	-1.1	-0.6	4.4	12%	-25%	-9%	-6%	23%
2012	4,966	11.2	-1.3	-1.8	-1.7	-1.2	4.3	-11%	-16%	-16%	-12%	23%
2011	487	15.2	3.7	5.4	5.9	2.9	8.6	24%	29%	33%	22%	36%
2010	65	0.7	-11.4	-12.6	-6.9	-4.1	3.7	-1585%	-1909%	-122%	-60%	19%
30yr Jumbo 4	8,252	17.3	3.9	2.5	2.6	2.8	8.0	23%	15%	16%	18%	31%
2017	2,001	14.6	8.9	7.6	6.4	4.8	-	61%	60%	56%	58%	-
2016	626	36.7	24.5	11.1	18.6	16.0	19.5	67%	47%	61%	62%	67%
2015	235	23.6	7.7	0.7	1.7	6.0	15.0	33%	4%	10%	30%	47%
2014	562	15.1	-1.9	6.9	3.4	3.8	9.7	-12%	28%	16%	19%	31%
2013	730	15.0	-0.8	1.5	-2.6	0.7	6.8	-6%	8%	-19%	5%	25%
2012	381	14.5	0.0	3.1	0.4	1.3	8.0	0%	17%	3%	9%	33%
2011	1,888	13.6	-0.5	-0.8	0.8	1.1	7.0	-4%	-5%	5%	8%	28%
2010	1,794	17.2	3.4	1.8	2.1	2.2	5.9	20%	10%	13%	15%	25%
2009	36	29.2	14.6	16.9	8.6	1.2	5.4	50%	52%	37%	8%	21%
30yr Jumbo 4.5	2,065	22.8	7.5	8.9	7.6	5.5	7.5	33%	35%	32%	26%	28%
2017	132	36.6	29.0	7.2	11.8	5.0	-	79%	53%	65%	52%	-
2013	26	0.1	-16.8	17.0	-4.2	0.6	18.1	-13992%	47%	-30%	3%	47%
2011	542	18.9	3.1	16.4	9.6	6.8	9.5	16%	49%	37%	30%	34%
2010	883	25.3	9.2	4.4	5.7	3.7	6.3	36%	20%	25%	19%	24%
2009	406	17.4	0.8	7.6	6.9	6.9	5.4	5%	30%	29%	30%	20%
30yr Jumbo 5	624	26.9	9.2	6.7	5.3	5.1	7.0	34%	26%	22%	22%	26%
2011	59	35.4	17.6	0.3	14.7	8.2	8.7	50%	1%	44%	31%	30%
2010	204	21.7	2.9	14.6	6.0	3.4	5.2	14%	42%	23%	15%	19%
2009	260	25.6	6.9	-0.5	0.1	2.9	6.5	27%	-3%	1%	14%	24%

Source: Bloomberg

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FNMA Prepayment Speed Comparison

July 2017

FNMA 105-125 LTV vs FNMA Generic

	HLTV Data		CPR Differences vs Generic					% CPR Differences vs Generic				
	Cur Bal (MM)	CPR (Jul)	Jul	Jun	3mo	6mo	12mo	Jul	Jun	3mo	6mo	12mo
15yr 105-125 LTV 2.5	674	10.3	1.4	3.2	2.9	2.4	0.8	13%	25%	24%	23%	8%
2013	364	8.8	-1.4	2.6	1.8	0.7	-0.2	-16%	19%	15%	7%	-2%
2012	273	13.4	2.9	1.9	2.2	2.4	0.7	21%	14%	17%	20%	6%
15yr 105-125 LTV 3	1,151	11.7	1.0	-1.0	0.0	0.2	-0.9	8%	-9%	0%	2%	-8%
2016	77	3.5	-5.2	-8.5	-7.1	-5.7	-6.3	-149%	-1698%	-479%	-365%	-466%
2015	122	7.6	-3.6	-5.4	-5.6	-4.8	-7.8	-47%	-83%	-97%	-91%	-198%
2014	90	4.7	-7.8	-6.8	-5.5	-3.2	-6.7	-167%	-96%	-73%	-37%	-89%
2013	433	13.4	0.7	-1.2	-0.8	-0.4	-1.4	5%	-10%	-7%	-4%	-11%
2012	424	14.1	2.7	-0.2	1.7	1.4	1.8	19%	-1%	12%	11%	12%
15yr 105-125 LTV 3.5	437	10.0	-2.2	0.0	-0.9	-0.8	-2.8	-22%	0%	-8%	-7%	-26%
2014	145	10.3	-3.0	-8.8	-5.6	-4.3	-5.0	-29%	-142%	-65%	-49%	-55%
2013	189	12.4	-0.7	1.1	0.1	0.3	-2.4	-6%	7%	1%	2%	-20%
2012	58	8.1	-4.4	11.0	3.6	3.0	1.2	-54%	43%	21%	19%	8%
30yr 105-125 LTV 3	3,653	10.8	2.9	3.2	3.1	3.1	1.2	27%	27%	28%	31%	12%
2016	188	7.2	1.5	-1.4	-0.4	0.6	-1.9	20%	-29%	-7%	12%	-63%
2015	61	0.2	-8.9	-5.0	-5.6	-5.5	-8.5	-4674%	-98%	-151%	-243%	-303%
2013	2,121	11.2	1.2	0.1	0.7	1.0	-0.9	11%	1%	6%	10%	-9%
2012	1,273	11.3	1.9	3.9	2.6	2.3	0.5	17%	27%	21%	21%	5%
30yr 105-125 LTV 3.5	16,212	13.2	2.2	1.6	2.0	1.5	-1.9	16%	12%	15%	13%	-15%
2017	32	0.2	-3.9	-3.8	-3.6	-2.4	-	-2161%	-1805%	-1869%	-1317%	-
2016	376	3.1	-6.2	-4.1	-4.3	-3.1	-5.4	-204%	-79%	-99%	-82%	-191%
2015	489	4.3	-7.6	-5.4	-5.6	-4.6	-9.2	-176%	-76%	-89%	-82%	-170%
2014	205	5.1	-8.9	-3.6	-4.4	-5.5	-12.6	-174%	-30%	-44%	-78%	-173%
2013	5,939	12.7	0.2	-0.9	-0.6	-0.5	-3.6	2%	-7%	-5%	-5%	-32%
2012	9,128	14.7	2.3	1.6	2.1	1.2	-0.8	15%	11%	14%	10%	-6%
2011	38	6.1	-5.4	14.6	0.7	-1.9	-2.5	-90%	53%	6%	-23%	-19%
30yr 105-125 LTV 4	10,938	14.3	1.0	1.2	1.1	0.2	-3.6	7%	8%	7%	2%	-25%
2017	175	0.1	-5.6	-3.1	-4.3	-2.6	-	-4300%	-173%	-616%	-291%	-
2016	231	2.6	-9.6	-5.1	-6.8	-4.4	-5.8	-363%	-67%	-133%	-84%	-154%
2015	654	10.4	-5.5	-7.4	-6.0	-5.3	-9.5	-53%	-80%	-61%	-59%	-133%
2014	1,062	12.0	-5.0	-5.1	-5.5	-5.8	-12.0	-42%	-39%	-47%	-56%	-126%
2013	2,499	12.8	-3.1	-2.3	-3.0	-3.1	-8.6	-24%	-16%	-23%	-26%	-73%
2012	5,652	16.8	2.3	2.3	2.4	1.4	0.5	14%	13%	14%	9%	3%
2011	525	14.9	0.8	4.3	2.3	1.6	0.6	5%	22%	14%	11%	3%
2010	141	9.0	-4.8	7.2	-0.7	0.9	2.5	-53%	32%	-5%	6%	12%
30yr 105-125 LTV 4.5	4,357	18.9	3.6	1.9	2.4	1.0	-1.7	19%	10%	13%	6%	-10%
2017	22	0.1	-7.5	-6.1	-6.2	-4.4	-	-8289%	-2327%	-3485%	-2065%	-
2015	42	0.4	-15.9	0.9	-6.6	-8.5	-10.6	-3693%	5%	-66%	-123%	-188%
2014	903	16.3	-1.0	-4.2	-3.4	-5.5	-9.2	-6%	-27%	-22%	-43%	-82%
2013	1,037	16.7	-0.2	-5.0	-1.8	-2.3	-5.9	-1%	-36%	-11%	-15%	-41%
2012	447	21.3	7.6	3.7	4.2	2.0	1.8	36%	18%	21%	12%	10%
2011	1,417	19.6	3.8	3.0	3.1	2.5	2.5	19%	15%	16%	14%	12%
2010	465	26.1	10.1	11.3	8.1	6.5	3.7	39%	38%	32%	29%	16%
30yr 105-125 LTV 5	1,402	24.0	6.3	6.1	5.5	4.7	3.7	26%	24%	23%	20%	15%
2014	34	37.2	18.0	-4.2	3.0	-4.7	-8.9	48%	-28%	13%	-32%	-79%
2013	61	8.1	-8.9	-2.6	-10.9	-3.3	-7.4	-109%	-13%	-112%	-21%	-57%
2011	802	25.0	7.2	4.7	6.1	4.5	3.6	29%	19%	25%	20%	15%
2010	423	25.0	6.3	8.2	6.1	6.2	4.6	25%	29%	24%	25%	18%
2009	75	14.8	-4.0	-9.4	-1.7	1.7	5.7	-27%	-100%	-10%	8%	21%
30yr 105-125 LTV 5.5	100	26.1	9.3	18.4	15.4	10.9	9.0	36%	49%	46%	37%	32%
2010	68	26.5	8.6	18.2	14.1	10.4	9.9	32%	49%	42%	35%	33%

Source: Bloomberg

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FNMA Prepayment Speed Comparison

July 2017

FNMA 125+ LTV vs FNMA Generic

	HLTV Data		CPR Differences vs Generic					% CPR Differences vs Generic				
	Cur Bal (MM)	CPR (Jul)	Jul	Jun	3mo	6mo	12mo	Jul	Jun	3mo	6mo	12mo
15yr 125+ LTV 2.5	378	11.0	2.1	0.8	1.5	1.8	0.3	19%	8%	14%	18%	3%
2013	199	10.6	0.4	-2.1	0.4	0.2	-0.6	3%	-24%	4%	2%	-6%
2012	170	11.9	1.4	1.4	-0.1	0.7	-0.7	11%	11%	-1%	7%	-6%
15yr 125+ LTV 3	919	12.3	1.6	1.7	1.2	0.5	-0.8	13%	13%	9%	5%	-7%
2015	45	3.7	-7.5	-11.1	-7.5	-4.6	-8.4	-202%	-1384%	-192%	-84%	-257%
2014	35	6.2	-6.3	-4.0	-5.0	-7.2	-8.6	-102%	-41%	-63%	-159%	-154%
2013	379	12.0	-0.7	1.1	-0.9	-0.7	-2.3	-6%	8%	-8%	-6%	-20%
2012	429	14.1	2.7	1.4	1.8	0.4	0.5	19%	10%	13%	4%	4%
15yr 125+ LTV 3.5	352	10.8	-1.4	0.5	-0.7	-1.0	-3.0	-13%	4%	-6%	-9%	-28%
2014	87	6.8	-6.5	-2.0	-4.5	-4.3	-4.8	-95%	-15%	-45%	-50%	-52%
2013	160	14.7	1.6	-1.9	-0.3	-1.1	-3.8	11%	-16%	-2%	-9%	-37%
2012	78	9.8	-2.7	6.2	0.6	1.7	1.0	-27%	30%	4%	12%	7%
15yr 125+ LTV 4	50	9.2	-5.0	-12.4	-7.0	-6.9	-6.7	-54%	-365%	-85%	-87%	-72%
2013	29	12.1	-3.9	-10.9	-5.4	-6.1	-5.7	-32%	-302%	-56%	-80%	-72%
30yr 125+ LTV 3	3,053	9.5	1.7	2.2	1.8	1.5	-0.5	17%	20%	18%	18%	-6%
2013	1,744	9.3	-0.6	-1.9	-1.4	-1.9	-3.3	-7%	-20%	-15%	-26%	-45%
2012	1,233	10.3	0.9	3.0	1.6	1.8	-0.9	9%	23%	14%	17%	-10%
30yr 125+ LTV 3.5	16,933	12.0	0.9	0.7	0.7	0.5	-3.8	8%	6%	6%	5%	-36%
2017	15	0.4	-3.7	-3.7	-3.4	-2.4	-	-918%	-1190%	-1131%	-886%	-
2016	157	5.8	-3.5	-7.6	-4.8	-4.6	-6.7	-61%	-483%	-126%	-188%	-423%
2015	224	4.4	-7.5	-6.8	-6.9	-5.5	-10.4	-170%	-118%	-140%	-115%	-252%
2014	67	9.6	-4.4	-15.2	-10.2	-7.3	-14.4	-46%	-4600%	-250%	-137%	-266%
2013	6,264	10.9	-1.6	-2.2	-2.4	-2.2	-5.8	-14%	-20%	-23%	-23%	-63%
2012	10,207	13.0	0.5	0.7	0.6	0.2	-3.0	4%	5%	4%	2%	-26%
30yr 125+ LTV 4	9,665	13.4	0.0	-2.0	-0.8	-1.1	-5.7	0%	-16%	-6%	-10%	-47%
2017	54	1.2	-4.5	-4.8	-4.5	-3.0	-	-373%	-3436%	-859%	-713%	-
2016	105	9.0	-3.2	-9.3	-6.1	-5.7	-6.2	-35%	-287%	-104%	-142%	-188%
2015	316	7.2	-8.7	-9.9	-9.4	-8.1	-11.6	-122%	-147%	-147%	-136%	-228%
2014	535	9.8	-7.2	-11.9	-8.8	-7.9	-14.3	-73%	-187%	-102%	-98%	-199%
2013	2,261	11.0	-4.9	-5.1	-5.0	-4.7	-11.2	-45%	-43%	-45%	-46%	-120%
2012	6,394	15.0	0.6	-1.4	-0.3	-0.6	-2.2	4%	-11%	-2%	-4%	-16%
30yr 125+ LTV 4.5	2,354	12.2	-3.1	-4.9	-4.1	-4.7	-8.6	-26%	-41%	-34%	-44%	-81%
2014	632	10.6	-6.6	-11.2	-9.1	-9.0	-12.1	-62%	-132%	-90%	-99%	-144%
2013	1,065	12.5	-4.4	-7.4	-6.5	-7.2	-11.0	-35%	-64%	-57%	-71%	-119%
2012	616	14.1	0.4	-0.2	-0.3	-1.7	-1.4	3%	-1%	-2%	-12%	-9%
30yr 125+ LTV 5	120	7.5	-10.3	-1.0	-5.0	-7.1	-9.7	-138%	-6%	-36%	-63%	-92%
2014	58	12.2	-7.1	3.2	-5.1	-6.8	-8.6	-58%	14%	-36%	-55%	-74%
2013	62	2.9	-14.1	-8.8	-7.5	-8.5	-10.8	-492%	-65%	-57%	-84%	-112%

Source: Bloomberg

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FNMA Prepayment Speed Comparison

July 2017

FNMA Relo vs FNMA Generic

	Relo Data		CPR Differences vs Generic					% CPR Differences vs Generic				
	Cur Bal (MM)	CPR (Jul)	Jul	Jun	3mo	6mo	12mo	Jul	Jun	3mo	6mo	12mo
15yr RELO 2	51	21.4	13.7	10.0	9.0	7.2	6.1	64%	54%	54%	51%	45%
2015	22	29.3	19.9	18.9	14.6	9.5	8.0	68%	73%	66%	56%	51%
15yr RELO 2.5	257	15.3	6.3	4.7	5.9	5.1	4.7	41%	32%	39%	39%	33%
2015	47	5.4	-4.0	-5.6	-3.4	-0.4	-4.2	-74%	-102%	-52%	-5%	-61%
2014	113	23.7	12.4	7.1	9.5	7.5	4.7	52%	35%	44%	42%	26%
2012	36	5.9	-4.7	-8.8	-4.6	-4.6	-0.8	-79%	-321%	-73%	-88%	-8%
2011	32	15.2	2.2	6.9	2.4	2.5	1.9	14%	37%	16%	18%	13%
30yr RELO 2.5	315	11.7	5.0	5.7	5.8	3.7	5.3	42%	43%	46%	39%	47%
2013	161	13.2	4.7	8.8	8.3	4.5	5.6	36%	47%	49%	38%	43%
30yr RELO 3	3,447	15.1	7.3	7.8	6.8	5.4	4.0	48%	47%	46%	44%	32%
2017	440	5.4	3.1	0.2	0.7	0.5	-	58%	4%	19%	22%	-
2016	692	6.9	1.1	0.7	2.2	1.7	-0.3	16%	11%	28%	27%	-6%
2015	1,189	21.3	12.2	10.2	9.5	6.8	1.5	57%	50%	50%	46%	12%
2014	406	18.2	8.6	10.6	8.7	6.1	1.9	47%	49%	46%	41%	11%
2013	373	17.8	7.9	8.7	7.3	6.2	5.7	44%	44%	41%	41%	35%
2012	305	11.7	2.3	11.4	6.0	5.4	4.7	20%	52%	38%	39%	31%
2011	42	27.2	19.7	-6.4	2.6	5.8	2.4	73%	-105%	21%	41%	17%
30yr RELO 3.5	1,737	16.5	5.4	10.4	7.8	6.6	6.9	33%	46%	41%	40%	33%
2017	238	5.6	1.5	-2.5	-1.2	-	-	27%	-170%	-45%	-	-
2014	779	18.2	4.1	12.1	7.9	6.4	2.9	23%	44%	36%	34%	13%
2013	241	19.5	7.1	8.9	5.5	4.1	7.8	36%	40%	30%	26%	34%
2012	137	16.7	4.3	3.2	6.4	2.6	4.2	25%	19%	34%	19%	22%
2011	172	19.2	7.7	12.6	9.6	8.7	4.3	40%	49%	45%	45%	22%
2010	152	13.1	0.9	4.8	4.5	3.7	2.6	7%	27%	26%	25%	14%
30yr RELO 4	564	20.8	7.5	12.8	9.0	7.8	7.9	36%	47%	40%	38%	31%
2014	139	29.8	12.8	19.6	14.1	11.5	7.9	43%	52%	45%	42%	27%
2011	214	17.8	3.7	8.9	4.3	5.1	7.1	21%	37%	23%	28%	28%
2010	171	19.9	6.2	5.7	7.6	6.3	6.5	31%	27%	35%	33%	26%
30yr RELO 4.5	116	24.5	9.1	5.9	7.7	7.6	6.5	37%	26%	32%	33%	25%
2011	48	28.4	12.6	18.8	9.2	8.0	5.7	44%	53%	36%	34%	23%

Source: Bloomberg

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FGLMC Prepayment Speed Comparison

July 2017

FGLMC Jumbos vs FGLMC Generic

	Jumbo Data		CPR Differences vs Generic					% CPR Differences vs Generic				
	Cur Bal (MM)	CPR (Jul)	Jul	Jun	3mo	6mo	12mo	Jul	Jun	3mo	6mo	12mo
15yr Jumbo 2	40	0.8	-7.7	-8.5	-7.8	-4.1	-3.1	-1001%	-1354%	-1012%	-119%	-64%
2013	27	0.7	-8.6	-10.4	-9.1	-4.1	-4.1	-1249%	-1528%	-1213%	-89%	-84%
15yr Jumbo 2.5	502	7.0	-2.1	-0.4	-1.9	-1.0	2.7	-29%	-4%	-25%	-13%	22%
2016	36	14.7	8.4	-6.1	-0.8	-1.0	4.6	57%	-1572%	-15%	-22%	45%
2015	81	12.9	2.6	-3.0	-1.9	1.2	4.6	20%	-44%	-24%	12%	30%
2014	30	2.4	-9.6	-8.0	-4.7	-4.6	5.9	-397%	-165%	-64%	-72%	30%
2013	150	4.0	-6.3	4.0	-1.7	-2.1	0.7	-158%	25%	-18%	-28%	7%
2012	202	6.2	-4.5	-4.4	-5.0	-3.4	-0.1	-72%	-54%	-78%	-50%	-1%
15yr Jumbo 3	101	10.6	-0.5	-8.0	-2.3	0.1	4.5	-4%	-236%	-25%	1%	28%
2012	35	25.8	13.7	-11.0	1.1	1.8	3.4	53%	-753%	8%	13%	21%
2011	24	0.8	-11.8	-4.5	-5.7	-1.3	0.0	-1579%	-49%	-76%	-12%	0%
30yr Jumbo 2.5	1,161	6.1	1.6	1.6	1.1	1.0	4.3	26%	21%	19%	19%	50%
2013	117	11.7	6.8	-1.2	1.8	-0.5	2.3	58%	-23%	24%	-9%	29%
2012	1,018	5.6	-1.4	-1.0	-1.6	-1.3	1.8	-24%	-13%	-28%	-26%	20%
30yr Jumbo 3	12,675	6.9	-0.8	-1.6	-1.4	-1.1	1.6	-12%	-23%	-21%	-20%	16%
2017	29	0.2	-2.5	-2.5	-1.9	-	-	-1250%	-12400%	-1208%	-	-
2016	5,007	5.7	-0.2	-2.3	-1.3	-1.3	-1.2	-3%	-58%	-29%	-38%	-31%
2015	2,054	6.6	-2.1	-1.9	-1.7	-1.1	2.7	-32%	-24%	-24%	-17%	21%
2014	192	11.9	0.4	-4.5	-1.7	-1.3	6.0	4%	-64%	-19%	-17%	30%
2013	2,425	6.4	-3.7	-2.7	-3.2	-2.4	0.6	-58%	-33%	-44%	-38%	6%
2012	2,969	9.5	-0.2	-1.0	-1.5	-1.1	1.1	-3%	-10%	-17%	-14%	10%
30yr Jumbo 3.5	11,571	12.1	1.0	0.2	0.6	0.6	4.7	8%	2%	5%	6%	25%
2017	1,312	5.2	0.9	3.4	1.8	-	-	17%	42%	31%	-	-
2016	3,257	15.3	5.7	4.6	4.0	3.1	4.8	37%	33%	30%	30%	36%
2015	2,713	11.6	-0.5	-0.4	0.2	0.3	7.0	-5%	-3%	2%	3%	33%
2014	906	15.5	1.3	0.0	0.4	0.3	6.0	9%	0%	2%	3%	24%
2013	844	10.8	-1.9	-3.0	0.0	0.3	3.6	-18%	-28%	0%	3%	20%
2012	2,249	10.3	-1.9	-3.0	-2.2	-1.2	3.9	-18%	-29%	-21%	-13%	22%
2011	285	16.8	5.2	-5.1	-0.8	0.8	2.4	31%	-66%	-8%	7%	13%
30yr Jumbo 4	4,373	20.1	6.6	4.9	4.7	4.4	8.3	33%	25%	25%	26%	32%
2017	606	19.1	12.6	12.7	10.6	9.0	-	66%	69%	66%	70%	-
2016	509	31.1	18.4	19.1	15.3	12.9	15.2	59%	61%	56%	56%	59%
2015	837	17.5	2.3	2.0	3.7	4.9	11.1	13%	11%	20%	27%	41%
2014	1,025	20.1	3.1	1.1	1.0	1.8	7.0	15%	6%	6%	11%	25%
2013	386	10.3	-5.4	-1.3	-1.7	2.6	9.1	-52%	-9%	-12%	15%	31%
2012	208	13.3	0.0	-11.4	-6.9	-4.7	1.4	0%	-222%	-91%	-53%	8%
2011	585	20.8	6.0	4.2	3.7	2.7	5.6	29%	21%	20%	17%	24%
2010	217	24.7	11.1	-1.2	3.1	2.7	5.2	45%	-9%	18%	18%	22%
30yr Jumbo 4.5	511	19.7	4.2	4.8	5.0	6.7	8.6	21%	22%	24%	30%	30%
2015	50	24.9	9.5	5.1	3.1	9.6	12.6	38%	24%	16%	39%	44%
2014	105	26.6	9.5	22.2	9.7	10.2	11.6	36%	54%	35%	37%	37%
2013	66	38.0	21.2	-9.6	6.2	6.5	14.3	56%	-117%	26%	28%	43%
2011	214	10.5	-5.2	-1.6	-1.1	2.4	6.2	-49%	-11%	-7%	14%	24%
2010	55	16.1	-0.3	5.1	13.6	7.8	6.2	-2%	22%	45%	33%	24%
30yr Jumbo 5	45	13.0	-4.6	22.6	11.9	15.4	13.2	-35%	53%	39%	45%	39%
2011	38	14.7	-2.8	12.2	10.2	12.1	12.0	-19%	39%	35%	40%	37%

Source: Bloomberg

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FGLMC Prepayment Speed Comparison

July 2017

FGLMC 105-125 LTV vs FGLMC Generic

	HLTV Data		CPR Differences vs Generic					% CPR Differences vs Generic				
	Cur Bal (MM)	CPR (Jul)	Jul	Jun	3mo	6mo	12mo	Jul	Jun	3mo	6mo	12mo
15yr 105-125 LTV 2.5	726	13.1	4.0	4.1	3.7	3.1	1.8	30%	30%	28%	27%	16%
2013	326	13.5	3.2	3.1	1.9	1.0	-0.1	24%	21%	15%	10%	-1%
2012	373	13.2	2.5	1.7	2.5	2.3	1.4	19%	12%	18%	19%	11%
15yr 105-125 LTV 3	1,054	12.3	1.2	2.2	2.0	1.1	-0.5	10%	16%	15%	10%	-4%
2016	55	2.6	-7.5	-5.0	-4.8	-4.6	-6.0	-286%	-126%	-114%	-172%	-398%
2015	87	9.0	-2.5	-4.5	-3.8	-3.4	-5.1	-27%	-67%	-50%	-51%	-82%
2014	71	13.1	0.9	-7.7	-3.5	-4.6	-6.1	7%	-145%	-38%	-64%	-81%
2013	315	13.2	1.4	3.1	1.5	-0.2	-2.4	10%	19%	10%	-2%	-22%
2012	500	13.0	0.8	2.1	2.1	1.7	0.9	6%	15%	14%	12%	7%
15yr 105-125 LTV 3.5	548	12.4	0.1	0.1	0.4	-0.2	-1.0	1%	1%	3%	-2%	-8%
2015	38	11.8	0.3	-6.1	-2.8	-3.3	-3.3	3%	-85%	-31%	-45%	-46%
2014	127	11.5	-1.5	-2.7	-2.3	-3.3	-4.0	-13%	-23%	-21%	-37%	-44%
2013	183	13.5	1.4	-0.5	-0.6	-0.2	-0.9	10%	-3%	-5%	-2%	-8%
2012	131	9.4	-4.5	-1.4	0.6	0.0	0.4	-47%	-10%	4%	0%	3%
2011	43	21.9	7.7	1.5	5.1	3.7	6.2	35%	9%	26%	22%	30%
15yr 105-125 LTV 4	113	18.8	3.7	3.1	1.6	0.8	0.9	20%	16%	9%	5%	5%
2013	25	20.7	12.7	4.2	6.9	5.2	0.6	61%	19%	36%	29%	4%
2011	48	23.7	9.1	3.0	5.9	4.2	5.4	38%	17%	28%	23%	25%
20yr 105-125 LTV 3	574	10.5	1.7	3.2	2.0	1.8	0.3	16%	27%	19%	20%	3%
2013	244	9.4	-0.4	3.8	2.1	1.1	0.4	-5%	27%	18%	11%	4%
2012	289	12.3	2.0	-0.2	-0.4	0.1	-1.7	16%	-1%	-4%	1%	-17%
20yr 105-125 LTV 3.5	1,179	10.5	-0.2	0.3	1.1	0.9	-0.8	-2%	2%	9%	9%	-6%
2015	61	3.4	-8.9	0.0	-3.5	-2.6	-6.2	-261%	0%	-42%	-35%	-107%
2014	59	0.5	-12.6	-5.1	-8.3	-7.2	-10.9	-2510%	-64%	-225%	-173%	-222%
2013	355	10.0	-0.7	0.4	0.5	0.1	-1.3	-7%	3%	4%	1%	-11%
2012	660	12.7	1.6	-0.2	1.9	1.6	0.8	12%	-2%	14%	13%	5%
20yr 105-125 LTV 4	447	15.8	3.2	-1.5	0.9	1.6	-0.8	20%	-12%	7%	11%	-5%
2014	82	12.0	-0.2	-13.3	-4.6	-2.4	-2.8	-2%	-895%	-52%	-24%	-24%
2013	121	17.1	3.3	-0.8	1.7	2.0	-2.8	19%	-7%	12%	14%	-22%
2012	154	17.3	2.3	3.5	1.8	3.3	2.3	13%	18%	11%	20%	13%
2011	41	18.9	4.1	-2.3	0.7	1.6	4.1	22%	-19%	5%	11%	19%
20yr 105-125 LTV 4.5	128	18.3	3.1	-2.6	0.2	-0.5	-0.2	17%	-20%	1%	-4%	-1%
2013	32	21.8	10.0	-4.8	-4.4	-5.7	-8.6	46%	-93%	-36%	-52%	-91%
2011	59	15.1	-1.2	-5.7	-1.3	1.6	3.9	-8%	-60%	-10%	10%	18%
30yr 105-125 LTV 3	1,164	8.2	0.5	4.4	2.3	2.5	1.4	6%	34%	22%	28%	14%
2013	603	9.0	-1.1	1.5	-0.5	-0.3	-0.7	-12%	12%	-5%	-3%	-7%
2012	517	7.9	-1.9	3.6	1.2	1.9	-0.5	-24%	25%	10%	18%	-5%

FGLMC Prepayment Speed Comparison

July 2017

FGLMC 105-125 LTV vs FGLMC Generic

	HLTV Data		CPR Differences vs Generic					% CPR Differences vs Generic				
	Cur Bal (MM)	CPR (Jul)	Jul	Jun	3mo	6mo	12mo	Jul	Jun	3mo	6mo	12mo
30yr 105-125 LTV 3.5	7,995	12.7	1.6	1.1	1.7	1.3	-2.2	12%	9%	13%	12%	-18%
2017	19	0.2	-4.2	-4.5	-4.0	-2.8	-	-2306%	-4100%	-3248%	-2493%	-
2016	184	6.3	-3.3	-8.2	-6.2	-4.9	-7.1	-52%	-720%	-218%	-202%	-506%
2015	198	11.9	-0.2	-6.0	-4.5	-4.2	-9.3	-2%	-87%	-60%	-71%	-180%
2014	38	7.8	-6.4	-14.0	-11.0	-8.1	-14.5	-81%	-6648%	-386%	-210%	-318%
2013	3,335	12.8	0.1	-0.4	-0.1	-0.3	-3.3	1%	-3%	-1%	-3%	-30%
2012	4,206	12.9	0.8	0.8	1.4	0.8	-1.1	6%	6%	10%	7%	-8%
30yr 105-125 LTV 4	8,904	14.5	1.0	0.9	0.7	0.1	-3.4	7%	6%	5%	0%	-24%
2017	106	0.6	-6.0	-5.6	-4.1	-3.1	-	-1066%	-5580%	-300%	-408%	-
2016	246	3.3	-9.4	-7.1	-8.1	-6.6	-8.3	-288%	-140%	-205%	-183%	-356%
2015	488	7.8	-7.4	-11.0	-8.7	-8.0	-9.9	-95%	-209%	-131%	-145%	-162%
2014	516	8.1	-8.9	-4.5	-7.4	-6.9	-12.5	-109%	-35%	-76%	-79%	-149%
2013	2,332	13.0	-2.6	-1.7	-2.3	-2.4	-7.4	-20%	-11%	-16%	-20%	-59%
2012	4,841	16.8	3.4	0.4	1.8	1.2	0.9	21%	2%	11%	8%	6%
2011	302	21.1	6.3	5.2	5.9	2.5	1.5	30%	25%	28%	16%	8%
2010	72	22.6	9.1	1.4	4.5	2.4	0.2	40%	9%	25%	16%	1%
30yr 105-125 LTV 4.5	4,429	16.7	1.2	1.0	0.6	-0.5	-2.8	7%	6%	3%	-3%	-16%
2017	46	5.5	-3.0	-6.4	-4.5	-3.6	-	-55%	-1837%	-211%	-316%	-
2016	15	0.1	-14.7	-15.8	-15.3	-11.4	-11.6	-10521%	-6324%	-7274%	-381%	-515%
2015	122	8.3	-7.1	-4.9	-4.2	-6.5	-8.8	-86%	-43%	-35%	-76%	-123%
2014	831	11.5	-5.6	-2.6	-5.3	-6.3	-9.0	-48%	-16%	-41%	-57%	-84%
2013	950	16.6	-0.2	-4.6	-3.3	-4.5	-6.4	-1%	-36%	-23%	-37%	-50%
2012	443	17.4	-0.7	4.6	0.1	0.9	1.2	-4%	21%	1%	5%	6%
2011	1,338	19.8	4.1	3.5	3.4	2.4	1.5	21%	17%	18%	13%	7%
2010	680	18.6	2.1	2.2	2.4	2.8	2.6	11%	11%	13%	15%	12%
30yr 105-125 LTV 5	2,024	21.7	4.1	2.5	3.8	3.4	2.3	19%	11%	17%	16%	10%
2014	37	22.1	5.1	14.0	3.9	-2.9	-7.1	23%	41%	17%	-18%	-56%
2013	34	25.7	7.5	-24.1	-8.1	-5.6	-4.6	29%	-278%	-56%	-38%	-29%
2011	1,307	21.6	4.1	1.2	3.2	3.5	2.2	19%	6%	15%	16%	10%
2010	589	22.1	2.4	4.3	4.7	4.2	3.5	11%	17%	19%	18%	14%
2009	48	19.2	1.9	15.9	8.5	7.7	6.8	10%	44%	31%	29%	24%
30yr 105-125 LTV 5.5	190	20.4	3.3	6.6	5.2	3.7	3.2	16%	26%	22%	16%	13%
2011	48	20.0	3.8	12.0	12.3	8.7	6.6	19%	53%	46%	34%	28%
2010	98	24.2	5.5	20.0	9.0	6.7	5.3	23%	60%	33%	27%	21%
2009	42	13.0	-8.8	-15.1	-8.7	-6.6	-2.0	-67%	-189%	-68%	-51%	-10%

Source: Bloomberg

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FGLMC Prepayment Speed Comparison

July 2017

FGLMC 125+ LTV vs FGLMC Generic

	HLTV Data		CPR Differences vs Generic					% CPR Differences vs Generic				
	Cur Bal (MM)	CPR (Jul)	Jul	Jun	3mo	6mo	12mo	Jul	Jun	3mo	6mo	12mo
15yr 125+ LTV 2.5	348	11.1	2.0	3.8	2.7	2.3	0.7	18%	28%	22%	22%	7%
2013	160	14.6	4.4	3.4	2.3	1.1	0.0	30%	22%	17%	10%	0%
2012	180	8.3	-2.4	0.5	0.0	0.5	-0.8	-29%	4%	0%	5%	-8%
15yr 125+ LTV 3	855	12.7	1.6	3.2	1.8	0.9	0.0	13%	22%	14%	8%	0%
2016	22	4.0	-6.1	1.5	-2.9	-4.1	-5.7	-152%	14%	-49%	-128%	-312%
2015	38	5.3	-6.2	-10.8	-9.2	-5.2	-6.4	-117%	-2150%	-434%	-111%	-131%
2014	26	3.7	-8.6	1.4	-5.3	-6.6	-7.6	-232%	10%	-73%	-130%	-125%
2013	236	12.2	0.4	-2.6	-0.5	-1.2	-2.6	3%	-25%	-4%	-12%	-24%
2012	529	14.3	2.1	5.0	2.2	0.9	0.6	15%	28%	15%	7%	5%
15yr 125+ LTV 3.5	384	11.7	-0.6	-0.3	-0.3	-0.9	-2.1	-5%	-2%	-2%	-8%	-19%
2014	74	10.8	-2.3	-4.3	-4.4	-4.2	-6.3	-21%	-43%	-49%	-52%	-91%
2013	143	9.4	-2.7	-0.5	-1.8	-1.8	-3.2	-29%	-3%	-16%	-17%	-32%
2012	131	17.3	3.4	0.9	2.3	0.3	2.1	20%	6%	14%	2%	13%
20yr 125+ LTV 3	281	11.4	2.6	1.0	2.7	2.1	-1.3	23%	10%	24%	22%	-15%
2013	137	7.7	-2.2	-1.8	0.9	0.4	-2.7	-28%	-21%	8%	5%	-35%
2012	132	14.3	3.9	0.9	2.1	1.3	-2.1	27%	8%	17%	13%	-21%
20yr 125+ LTV 3.5	973	11.7	1.0	5.4	3.1	2.5	-0.6	9%	31%	22%	20%	-5%
2013	291	11.6	0.9	3.7	1.8	0.3	-3.3	8%	23%	14%	3%	-32%
2012	629	12.7	1.6	5.2	3.2	2.8	0.8	13%	29%	21%	21%	5%
20yr 125+ LTV 4	318	18.5	5.8	-0.9	3.1	2.3	0.4	32%	-7%	20%	16%	3%
2014	42	0.4	-11.8	3.5	-4.3	-1.6	-6.4	-2950%	19%	-47%	-15%	-77%
2013	80	7.3	-6.5	2.9	-0.7	-1.8	-4.7	-89%	19%	-5%	-17%	-44%
2012	178	28.0	13.0	-4.5	5.1	4.5	5.2	46%	-41%	25%	25%	25%
30yr 125+ LTV 3	694	10.8	3.1	1.2	2.4	2.1	0.2	28%	13%	23%	24%	2%
2013	345	7.9	-2.2	-3.0	-2.0	-1.1	-2.6	-28%	-38%	-24%	-15%	-35%
2012	341	13.9	4.2	0.9	2.3	1.2	-1.2	30%	8%	18%	12%	-13%
30yr 125+ LTV 3.5	6,253	11.2	0.0	0.2	-0.1	0.0	-4.1	0%	2%	-1%	0%	-41%
2016	54	5.2	-4.4	1.9	-3.4	-4.4	-5.5	-86%	17%	-61%	-148%	-179%
2015	64	1.7	-10.5	-5.7	-7.7	-5.6	-9.9	-623%	-77%	-174%	-121%	-220%
2013	2,642	9.9	-2.8	-2.1	-2.5	-2.6	-5.9	-28%	-19%	-25%	-30%	-69%
2012	3,481	12.4	0.2	-0.3	-0.5	-0.1	-3.0	2%	-3%	-4%	-1%	-28%
30yr 125+ LTV 4	9,352	12.8	-0.7	-0.2	-0.9	-1.1	-5.6	-6%	-1%	-7%	-10%	-47%
2017	25	0.2	-6.4	-5.6	-5.2	2.9	-	-3528%	-4633%	-1962%	43%	-
2016	104	1.6	-11.1	-10.1	-6.7	-6.2	-7.0	-700%	-487%	-126%	-157%	-192%
2015	221	4.9	-10.3	-10.7	-9.5	-7.9	-11.4	-209%	-189%	-163%	-143%	-241%
2014	204	5.5	-11.5	-13.3	-12.3	-9.6	-15.1	-211%	-317%	-252%	-161%	-262%
2013	2,411	10.8	-4.8	-4.1	-4.9	-4.5	-10.0	-45%	-34%	-45%	-45%	-103%
2012	6,388	14.2	0.8	-1.0	-0.4	-0.7	-2.2	6%	-6%	-2%	-5%	-16%
30yr 125+ LTV 4.5	2,776	11.6	-3.9	-3.2	-2.7	-3.2	-7.0	-34%	-24%	-20%	-25%	-54%
2017	28	0.2	-8.3	-6.6	-6.2	-4.5	-	-3962%	-3290%	-1769%	-1469%	-
2016	13	0.2	-14.7	-15.9	-15.3	-8.4	-9.8	-8161%	-8822%	-8583%	-139%	-238%
2015	76	4.2	-11.3	-14.3	-13.3	-10.3	-10.4	-271%	-701%	-482%	-213%	-185%
2014	521	8.6	-8.5	-8.7	-8.2	-8.4	-11.3	-99%	-86%	-83%	-92%	-136%
2013	759	9.1	-7.6	-6.0	-7.0	-6.9	-9.7	-84%	-51%	-67%	-70%	-102%
2012	1,379	14.7	-3.4	-0.9	-1.1	-0.6	-0.7	-23%	-6%	-6%	-4%	-4%
30yr 125+ LTV 5	85	9.4	-8.1	-1.0	-3.6	-7.0	-12.2	-87%	-5%	-24%	-61%	-138%
2014	38	8.1	-8.9	-10.6	-7.0	-9.4	-11.5	-111%	-115%	-61%	-92%	-137%
2013	44	11.1	-7.0	-5.8	-3.8	-7.8	-11.1	-63%	-21%	-20%	-61%	-118%

Source: Bloomberg

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FGLMC Prepayment Speed Comparison

July 2017

FGLMC Relo vs FGLMC Generic

	Relo Data		CPR Differences vs Generic					% CPR Differences vs Generic				
	Cur Bal (MM)	CPR (Jul)	Jul	Jun	3mo	6mo	12mo	Jul	Jun	3mo	6mo	12mo
30yr Relo 3	293	13.3	5.6	8.0	5.6	5.0	2.6	42%	49%	41%	43%	24%
2015	243	12.5	3.8	8.2	4.7	3.8	-0.4	31%	45%	34%	34%	-4%
2012	32	25.3	15.5	2.0	5.9	9.6	3.1	61%	16%	37%	52%	23%
30yr Relo 3.5	40	19.6	8.5	27.0	13.1	9.4	5.5	43%	70%	54%	49%	28%
2014	32	23.9	9.7	20.7	11.1	7.4	1.9	41%	59%	44%	38%	9%

Source: Bloomberg

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GNMA Prepayment Speed Comparison

July 2017

GNMA2 Jumbo vs GNMA2 Generic

	Jumbo Data		CPR Differences vs Generic					% CPR Differences vs Generic				
	Cur Bal (MM)	CPR (Jun)	Jun	May	3mo	6mo	12mo	Jun	May	3mo	6mo	12mo
GNMA 2 Jumbo 2.5	428	12.8	4.5	-0.3	1.0	0.4	2.0	35%	-3%	11%	5%	23%
2017	20	0.2	-2.7	-0.1	-1.0	-	-	-1594%	-70%	-648%	-	-
2016	223	11.4	4.2	-1.4	1.4	0.9	2.9	37%	-27%	18%	16%	48%
2015	36	23.8	14.4	10.1	14.3	7.8	11.6	60%	52%	62%	46%	57%
2013	46	20.6	9.5	-13.3	-5.8	-4.3	-2.6	46%	-4141%	-76%	-57%	-27%
2012	93	11.0	-3.6	0.0	-5.5	-6.3	-5.6	-32%	0%	-60%	-91%	-67%
GNMA 2 Jumbo 3	23,695	13.1	1.6	0.5	0.9	0.2	1.5	12%	4%	8%	2%	11%
2017	879	1.6	-1.3	0.1	0.1	-	-	-80%	3%	4%	-	-
2016	16,215	11.9	3.0	2.3	2.5	1.6	2.4	25%	21%	23%	21%	26%
2015	3,440	17.2	2.7	1.6	2.4	1.9	5.1	16%	9%	14%	14%	25%
2014	387	8.6	-8.7	6.0	-1.0	1.3	4.9	-100%	27%	-7%	8%	21%
2013	1,422	20.3	5.2	-3.6	1.0	0.4	1.9	25%	-28%	6%	3%	11%
2012	1,335	17.4	2.2	2.3	0.9	0.1	0.9	12%	12%	6%	1%	6%
GNMA 2 Jumbo 3.5	20,475	18.9	4.0	4.3	4.2	3.8	9.7	21%	22%	22%	22%	36%
2017	4,992	4.5	1.0	1.3	1.0	0.7	-	23%	33%	27%	30%	-
2016	5,321	23.5	8.6	8.5	8.4	7.1	9.3	37%	40%	40%	41%	45%
2015	6,015	23.0	5.8	6.7	6.2	6.0	12.1	25%	28%	27%	29%	38%
2014	1,425	23.9	4.6	2.2	2.6	3.2	11.4	19%	10%	12%	15%	34%
2013	736	26.3	9.7	6.8	9.5	7.0	9.6	37%	27%	35%	31%	35%
2012	1,800	20.4	3.0	3.6	3.4	1.3	6.0	15%	17%	16%	8%	25%
2011	175	16.1	-1.4	12.1	3.5	1.5	6.9	-9%	40%	16%	9%	26%
GNMA 2 Jumbo 4	4,401	20.7	4.1	7.2	5.9	6.9	15.0	20%	29%	25%	28%	41%
2017	1,812	6.8	3.7	5.9	4.1	3.3	-	54%	72%	64%	69%	-
2016	606	46.1	24.8	28.9	26.1	23.0	28.7	54%	61%	58%	60%	66%
2015	736	24.2	5.0	5.3	5.6	9.2	18.3	21%	21%	22%	31%	42%
2014	392	31.0	11.4	8.9	10.5	9.9	17.0	37%	30%	34%	33%	42%
2013	100	6.3	-14.3	15.1	7.4	11.5	16.2	-227%	42%	26%	36%	41%
2012	134	14.1	-3.1	-6.0	-5.2	-0.7	7.3	-22%	-48%	-41%	-4%	28%
2011	223	17.5	-1.2	1.2	1.8	3.7	8.9	-7%	6%	9%	17%	30%
2010	382	21.9	4.3	10.9	8.0	5.5	5.6	20%	36%	30%	24%	21%
GNMA 2 Jumbo 4.5	563	27.1	7.7	3.7	7.4	9.0	11.9	28%	16%	27%	31%	35%
2017	94	15.6	13.9	6.8	6.7	-	-	89%	78%	81%	-	-
2016	29	0.1	-10.6	44.3	22.7	22.1	50.2	-21200%	83%	71%	72%	82%
2015	31	53.2	27.6	7.3	32.1	30.1	38.3	52%	27%	60%	60%	68%
2014	52	56.1	31.7	2.4	18.1	16.6	14.1	57%	10%	43%	41%	33%
2013	28	68.1	46.5	-9.4	28.0	18.1	14.4	68%	-64%	55%	45%	37%
2011	115	21.7	2.1	9.2	2.9	6.2	8.2	10%	31%	13%	25%	27%
2010	180	17.0	-2.8	-1.0	0.6	3.9	5.9	-17%	-5%	3%	17%	21%
GNMA 2 Jumbo 5	133	28.1	7.8	5.0	6.6	4.7	8.7	28%	19%	24%	18%	28%
2010	52	25.5	15.7	26.5	18.6	8.9	11.4	61%	80%	73%	38%	40%
2009	48	35.4	3.5	7.4	17.4	13.0	19.4	10%	28%	45%	43%	56%

Source: Bloomberg

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