



Fannie Mae Statistical Summary Tables: July 2019

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Acquisition File Summary Characteristics

(Reflects origination year for loans acquired from January 2000 to June 2018)

Origination Year	Loan Count	Total Orig. UPB (\$M)	Avg. Orig UPB (\$)	Acquisition Characteristics ¹					
				Borrower Credit Score	Co-Borrower Credit Score	LTV Ratio	CLTV Ratio ²	DTI	Note Rate
1999	159,982	\$19,096	\$119,365	717	725	77.5	77.6	34.4	7.7
2000	1,267,892	\$160,707	\$126,751	719	727	77.7	77.9	35.4	8.1
2001	3,371,876	\$472,763	\$140,208	722	729	72.8	73.2	33.3	6.9
2002	3,857,280	\$564,709	\$146,401	727	735	69.4	69.9	32.9	6.3
2003	5,107,349	\$777,973	\$152,324	729	736	67.1	67.9	32.6	5.5
2004	1,744,509	\$274,060	\$157,099	723	730	69.3	70.9	35.7	5.7
2005	1,446,211	\$252,266	\$174,432	726	733	69.7	71.7	37.6	5.8
2006	1,080,840	\$198,702	\$183,841	725	733	70.5	72.5	38.8	6.4
2007	1,252,500	\$245,739	\$196,199	725	733	72.2	74.3	38.9	6.3
2008	1,491,728	\$315,003	\$211,166	745	753	71.7	73.3	37.9	6.0
2009	2,363,169	\$522,087	\$220,927	764	770	66.3	67.8	33.6	4.9
2010	1,951,533	\$432,393	\$221,566	769	776	66.7	68.2	31.8	4.5
2011	1,661,775	\$357,656	\$215,225	769	775	68.3	69.7	32.1	4.3
2012	2,680,141	\$608,103	\$226,892	772	776	68.9	70.2	31.1	3.6
2013	2,207,407	\$483,419	\$218,999	764	769	72.4	73.5	32.6	3.8
2014	1,444,944	\$310,374	\$214,800	753	760	76.4	77.2	34.2	4.3
2015	1,860,042	\$421,062	\$226,372	755	762	75.0	75.8	33.7	4.0
2016	2,298,497	\$540,661	\$235,224	758	763	73.4	74.0	33.5	3.7
2017	1,904,687	\$434,213	\$227,971	751	757	75.5	76.2	35.4	4.2
2018	621,376	\$143,605	\$231,108	749	755	74.8	75.3	37.1	4.5
Total	39,773,738	\$7,534,592	\$189,436	747	755	70.9	71.9	33.9	5.0

¹ Acquisition Characteristics are UPB-weighted averages, based on UPB at origination

² Missing CLTVs have been set to OLTV in this view

	Loan Count with Missing Data Values
Original Interest Rate	6
LTV	11
Borrower Credit Score	159,098
Co-Borrower Credit Score	19,947,328
CLTV	307,137
Original DTI Ratio	765,406



Performance File Summary Characteristics

(Reflects loan status in performance dataset for activity through March 2019)

Origination Year	Loan Count	Total Orig. UPB (\$M)	Active Loans		Inactive Loans (Loan Count)							Total Mods to Date ²	D180 UPB (\$M) ^{3,4}	D180 % of Orig. UPB ^{3,4}	Default UPB (\$M) ⁵	Loss Rate (%) ⁵
			Loan Count (Active)	Active UPB (\$M)	Prepaid	Repurchased ¹	Short Sale	Third Party Sale	REO	NPL	RPL					
1999	159,982	19,096	1,852	\$80	155,366	789	108	294	1,526	31	16	1,053	\$343	1.8%	\$169	0.1%
2000	1,267,892	160,707	9,973	\$466	1,237,601	4,150	763	1,837	13,223	237	108	7,478	\$2,488	1.5%	\$1,386	0.2%
2001	3,371,876	472,763	42,866	\$2,424	3,283,813	6,658	2,167	4,038	30,990	945	399	21,869	\$6,338	1.3%	\$3,494	0.2%
2002	3,857,280	564,709	86,385	\$5,706	3,716,964	5,982	3,022	5,377	37,140	1,678	732	31,456	\$8,352	1.5%	\$4,377	0.2%
2003	5,107,349	777,973	243,937	\$19,217	4,773,778	6,768	7,526	10,694	58,369	4,200	2,077	67,798	\$18,182	2.3%	\$8,759	0.4%
2004	1,744,509	274,060	135,311	\$10,550	1,550,427	3,049	7,244	5,358	38,440	2,649	2,031	43,257	\$12,515	4.6%	\$6,630	0.9%
2005	1,446,211	252,266	136,350	\$13,255	1,218,200	3,384	17,963	5,822	56,003	3,581	4,908	63,234	\$22,139	8.8%	\$13,518	2.4%
2006	1,080,840	198,702	88,856	\$9,880	896,049	3,723	20,209	4,377	57,877	3,333	6,416	65,781	\$24,219	12.2%	\$15,303	3.7%
2007	1,252,500	245,739	111,597	\$13,981	1,014,487	8,819	25,585	4,981	72,861	4,789	9,381	94,279	\$34,653	14.1%	\$20,455	3.6%
2008	1,491,728	315,003	120,764	\$14,154	1,288,788	9,314	15,257	3,367	45,651	3,290	5,297	67,297	\$23,664	7.5%	\$12,593	1.4%
2009	2,363,169	522,087	376,184	\$45,768	1,965,962	2,729	3,421	1,489	11,478	1,364	542	18,425	\$6,540	1.3%	\$3,029	0.2%
2010	1,951,533	432,393	498,820	\$60,058	1,444,767	1,403	828	878	4,085	582	170	8,502	\$2,403	0.6%	\$861	0.1%
2011	1,661,775	357,656	556,884	\$70,304	1,100,382	697	322	653	2,332	389	116	6,996	\$1,643	0.5%	\$459	0.0%
2012	2,680,141	608,103	1,472,429	\$244,818	1,203,118	1,503	261	601	1,979	167	83	7,408	\$1,793	0.3%	\$375	0.0%
2013	2,207,407	483,419	1,258,452	\$211,492	942,062	4,078	224	652	1,801	96	42	8,364	\$1,954	0.4%	\$336	0.0%
2014	1,444,944	310,374	765,295	\$127,806	675,145	2,443	180	484	1,319	57	21	8,128	\$1,830	0.6%	\$248	0.0%
2015	1,860,042	421,062	1,288,859	\$250,273	568,042	1,769	119	381	823	34	15	8,446	\$1,862	0.4%	\$156	0.0%
2016	2,298,497	540,661	1,923,303	\$413,262	373,211	1,181	67	246	472	6	11	8,009	\$1,648	0.3%	\$68	0.0%
2017	1,904,687	434,213	1,722,592	\$371,266	180,700	1,097	29	67	201	0	1	3,904	\$917	0.2%	\$14	0.0%
2018	621,376	143,605	590,428	\$131,662	30,594	331	0	1	22	0	0	20	\$73	0.1%	\$0	
Total	39,773,738	7,534,592	11,431,137	\$2,016,422	27,619,456	69,867	105,295	51,597	436,592	27,428	32,366	541,704	\$173,557	2.3%	\$92,230	0.5%

¹ Reflects loans repurchased up to and after 180 days of delinquency. Previous versions of the Statistical Summary reflected in this column included only loans repurchased prior to the occurrence of a credit event.

² Only one modification is counted per loan.

³ D180 Rates included here are calculated in the same methodology as prior statistical summaries, they are included for comparison purposes only.

⁴ Reflects the outstanding available UPB at D180 as reflected in the dataset.

⁵ Default rates and UPB in this view are for completed dispositions only. These are defined as loans with a zero balance code of '02', '03', '09', or '15' and non-null disposition dates.



Loss/Severity Summary Characteristics by Origination Year

(Reflects loan status in performance dataset for activity through March 2019)

Loan Population: loans with zero balance code of '02', '03', '09', or '15' with non-null Disposition dates

	Origination Year															
	1999 - 2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Default UPB (\$M)¹	\$18,185	\$6,630	\$13,518	\$15,303	\$20,455	\$12,593	\$3,029	\$861	\$459	\$375	\$336	\$248	\$156	\$68	\$14	\$92,230
Default Rate (%)	0.9%	2.4%	5.4%	7.7%	8.3%	4.0%	0.6%	0.2%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	1.2%
EXPENSES:																
Delinquent Interest	11%	11%	11%	12%	12%	11%	9%	8%	8%	6%	6%	6%	5%	4%	3%	11%
Total Liquidation Exp.	14%	14%	11%	10%	10%	10%	10%	12%	13%	13%	12%	11%	9%	7%	5%	11%
<i>Foreclosure</i>	5%	4%	3%	3%	3%	3%	3%	4%	4%	4%	4%	4%	3%	3%	2%	3%
<i>Property Preservation</i>	4%	3%	3%	3%	2%	2%	3%	4%	4%	4%	4%	4%	3%	2%	1%	3%
<i>Asset Recovery</i>	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	1%
<i>Misc. Holding Expenses/Credits</i>	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	0%	1%
<i>Associated Taxes</i>	4%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%	2%	2%	1%	1%	3%
Total Costs	125%	125%	122%	122%	121%	121%	119%	121%	121%	119%	118%	117%	114%	111%	108%	122%
PROCEEDS:																
Net Sales Proceeds	78%	76%	69%	63%	62%	66%	79%	84%	85%	87%	85%	85%	87%	87%	81%	69%
Credit Enhancement	9%	7%	5%	5%	8%	9%	4%	5%	6%	9%	15%	16%	15%	12%	12%	7%
Repurchase/Make Whole	3%	1%	2%	4%	7%	9%	5%	3%	1%	1%	0%	0%	1%	1%	0%	5%
Other	4%	2%	1%	1%	1%	1%	1%	2%	2%	2%	3%	3%	3%	3%	8%	2%
Total Proceeds	95%	86%	78%	74%	78%	86%	89%	93%	95%	98%	103%	105%	105%	102%	101%	83%
Severity	31%	39%	44%	48%	43%	35%	30%	28%	26%	21%	15%	12%	10%	9%	7%	39%
Total Net Loss (\$M)	\$5,552	\$2,574	\$5,931	\$7,291	\$8,795	\$4,395	\$908	\$238	\$117	\$78	\$52	\$29	\$15	\$6	\$1	\$35,981

¹ Default UPB, expenses and proceeds in this view are for completed dispositions only. These are defined as loans with a zero balance code of '02', '03', '09', or '15' and non-null disposition dates. Default rate is calculated as the sum of default UPB divided by the origination UPB. Expense and proceed line items are a percentage of default UPB.

Loss/Severity Summary Characteristics by Disposition Year

(Reflects loan status in performance dataset for activity through March 2019)

Loan Population: loans with zero balance code of '02', '03', '09', or '15' with non-null Disposition dates

	Disposition Year															
	2000-2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Total
Default UPB (\$M)¹	\$2,613	\$1,331	\$1,278	\$1,510	\$2,320	\$5,622	\$11,558	\$16,428	\$14,074	\$9,898	\$7,281	\$6,048	\$5,921	\$3,676	\$2,672	\$92,230
EXPENSES:																
Delinquent Interest	9%	9%	9%	9%	8%	7%	8%	9%	10%	12%	15%	17%	18%	15%	15%	11%
Total Liquidation Exp.	7%	9%	10%	9%	7%	6%	6%	7%	9%	11%	16%	20%	21%	21%	22%	11%
<i>Foreclosure</i>	3%	3%	4%	4%	3%	2%	2%	2%	3%	3%	4%	5%	6%	7%	7%	3%
<i>Property Preservation</i>	2%	3%	3%	3%	2%	2%	2%	2%	2%	3%	4%	6%	4%	5%	5%	3%
<i>Asset Recovery</i>	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%
<i>Misc. Holding Expenses/Credits</i>	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	2%	3%	3%	2%	2%	1%
<i>Associated Taxes</i>	1%	2%	2%	2%	2%	2%	2%	2%	2%	3%	4%	6%	7%	7%	7%	3%
Total Costs	115%	118%	119%	118%	115%	113%	114%	116%	118%	123%	131%	137%	138%	137%	137%	122%
PROCEEDS:																
Net Sales Proceeds	78%	80%	78%	76%	72%	63%	62%	59%	64%	72%	75%	79%	80%	82%	85%	69%
Credit Enhancement	14%	14%	14%	13%	10%	9%	7%	7%	7%	7%	7%	6%	5%	6%	5%	7%
Repurchase/Make Whole	12%	8%	5%	4%	4%	8%	9%	8%	5%	3%	1%	0%	0%	1%	1%	5%
Other	5%	5%	6%	5%	2%	1%	1%	1%	2%	2%	2%	2%	3%	4%	4%	2%
Total Proceeds	109%	106%	103%	98%	88%	81%	79%	75%	77%	83%	85%	88%	88%	92%	95%	83%
Severity	7%	11%	16%	20%	27%	33%	35%	41%	41%	41%	46%	49%	50%	44%	42%	39%
Total Net Loss (\$M)	\$177	\$150	\$208	\$307	\$635	\$1,829	\$4,058	\$6,813	\$5,782	\$4,014	\$3,315	\$2,964	\$2,976	\$1,635	\$1,118	\$35,981

¹ Default UPB, expenses and proceeds in this view are for completed dispositions only. These are defined as loans with a zero balance code of '02', '03', '09', or '15' and non-null disposition dates.



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