



EllieMae[®]

Technology Powering
the American Dream[™]

October

2018

Origination Insight Report

Introduction

The Ellie Mae® *Origination Insight Report* provides monthly data and insights from a robust sampling of closed loan applications that flow through Ellie Mae's Encompass® mortgage management software and Ellie Mae Network™. The characteristics of closed and denied loans presented in this report are averages.

The *Origination Insight Report* mines its application data from a robust sampling of approximately 80 percent of all mortgage applications that were initiated on the Encompass Digital Mortgage Solution. Ellie Mae believes the *Origination Insight Report* is a strong proxy of the underwriting standards employed by lenders across the country.

Monthly Origination Overview for Closed Loans

	2018										2017						
	Oct	Sept	Aug	Jul	Jun	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sept	Aug	Jul	Jun
Purpose																	
ALL Loans																	
REFI %	32%	29	32	29	29	30	34	38	43	45	40	39	39	38	35	35	32
PUR %	68%	71	68	71	71	70	66	62	57	55	60	61	61	62	65	65	68
Purpose																	
FHA Loans																	
REFI %	19%	17	22	19	19	20	22	23	28	28	25	24	23	22	21	21	19
PUR %	81%	83	78	81	81	80	78	77	72	72	75	76	77	78	79	79	81
Purpose																	
CONV Loans																	
REFI %	30%	31	34	31	31	34	38	43	48	51	47	45	46	44	42	40	37
PUR %	70%	69	66	69	69	66	62	57	52	49	53	55	54	56	58	60	63
Purpose																	
VA Loans																	
REFI %	28%	27	28	25	23	25	27	28	33	34	31	31	32	30	29	28	25
PUR %	72%	73	72	75	77	75	73	72	67	66	69	69	68	70	71	72	75
Type																	
FHA %	19%	20	20	20	20	20	20	20	19	19	20	20	20	20	22	22	22
CONV %	65%	65	66	66	66	66	66	66	67	67	66	66	66	66	64	64	64
VA %	10%	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10
Other %	6%	5	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4

Monthly Origination Overview for Closed Loans

	2018										2017						
	Oct	Sept	Aug	Jul	Jun	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sept	Aug	Jul	Jun
Time to Close ALL (Days)																	
ALL	45	44	43	43	42	41	41	41	42	44	44	43	43	43	42	43	43
REFI	43	42	38	41	37	37	37	37	37	40	41	40	40	40	41	42	41
PUR	46	45	45	44	44	43	42	43	45	47	46	45	44	44	43	43	43
Time to Close FHA (Days)																	
ALL	47	46	44	45	43	42	42	42	43	47	46	45	45	44	43	44	43
REFI	45	44	38	40	37	37	38	38	38	42	43	41	42	41	41	43	41
PUR	47	46	46	46	44	44	43	43	45	48	47	46	46	45	44	44	44
Time to Close CONV (Days)																	
ALL	45	44	42	43	41	40	40	40	41	43	43	42	42	42	41	42	42
REFI	43	42	38	41	37	37	37	37	37	39	40	40	40	39	40	42	41
PUR	45	44	44	43	43	42	41	42	44	46	46	43	43	43	42	42	43
Time to Close VA (Days)																	
ALL	48	48	47	47	46	45	45	46	47	50	48	47	47	47	46	46	46
REFI	47	46	45	48	44	43	44	45	46	49	48	47	47	46	47	48	48
PUR	49	48	47	47	47	46	46	46	48	50	49	47	46	47	45	45	45

Time to close increases in October

The average time to close increased slightly in October, up one day to 45 days. The average time to close a refinance increased to 43 days while the average time to close a purchase increased to 46 days.

Monthly Origination Overview for Closed Loans

	2018										2017						
	Oct	Sept	Aug	Jul	Jun	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sept	Aug	Jul	Jun
ALL Loans																	
ARM %	8.2%	7.2	6.6	6.6	6.9	6.6	6.6	6.3	5.5	5.5	5.6	5.6	5.5	5.5	5.7	5.7	5.9
30-Year Note Rate	5.01	4.91	4.92	4.91	4.90	4.84	4.79	4.69	4.48	4.33	4.28	4.24	4.20	4.21	4.27	4.25	4.27
FHA Loans																	
ARM %	0.6%	0.6	0.6	0.5	0.6	0.5	0.6	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.6	0.5
30-Year Note Rate	5.05	4.95	4.95	4.95	4.94	4.89	4.84	4.73	4.51	4.36	4.31	4.26	4.22	4.23	4.27	4.25	4.25
CONV Loans																	
ARM %	8.0%	7.3	6.9	7.2	7.6	7.2	7.3	7.0	5.9	5.9	6.3	6.2	6.1	6.2	6.5	6.8	7.2
30-Year Note Rate	5.03	4.93	4.94	4.93	4.92	4.86	4.80	4.72	4.52	4.37	4.32	4.29	4.25	4.26	4.32	4.31	4.34
VA Loans																	
ARM %	0.3%	0.4	0.3	0.4	0.5	0.6	0.6	0.5	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.2
30-Year Note Rate	4.83	4.73	4.74	4.75	4.74	4.67	4.63	4.50	4.24	4.10	4.05	4.01	3.97	3.99	4.03	4.00	4.01

The average 30-year rate for all loans increased to the highest point in 2018 at 5.01 percent, up from 4.91 percent the month prior. The average 30-year rate on FHA loans increased to 5.05 percent in October, up from 4.95 percent in September. Conventional and VA rates increased to 5.03 and 4.83 percent, respectively.

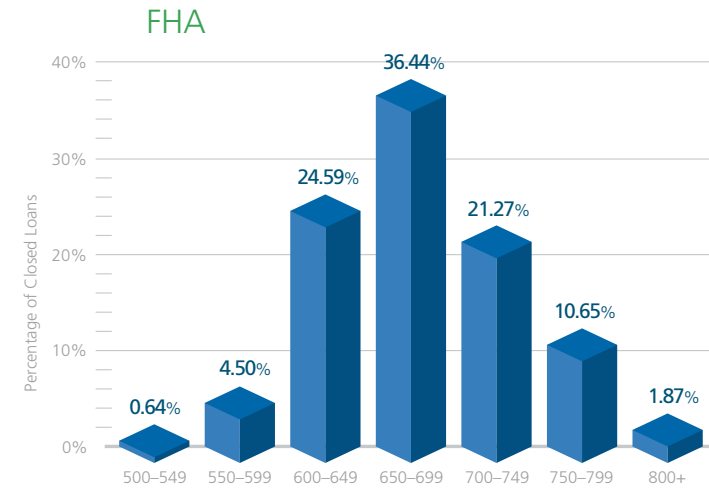
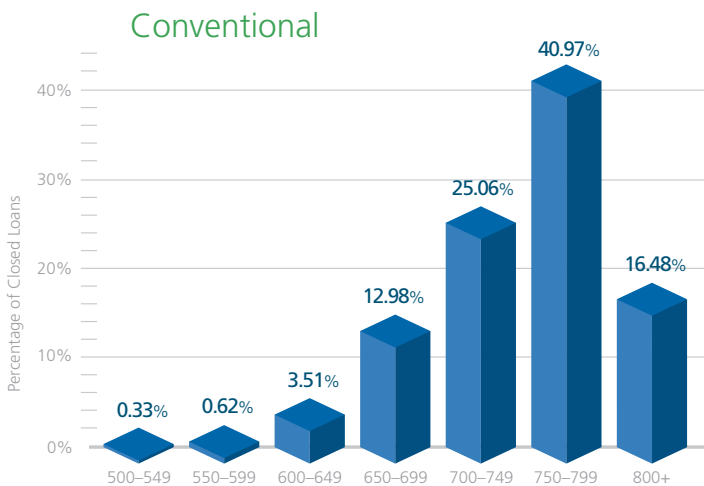
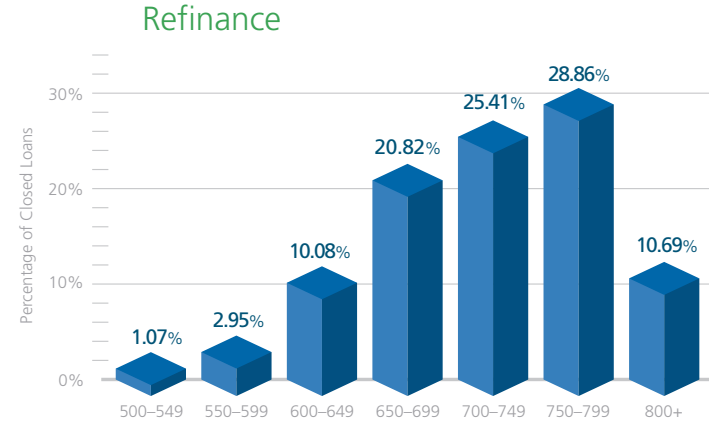
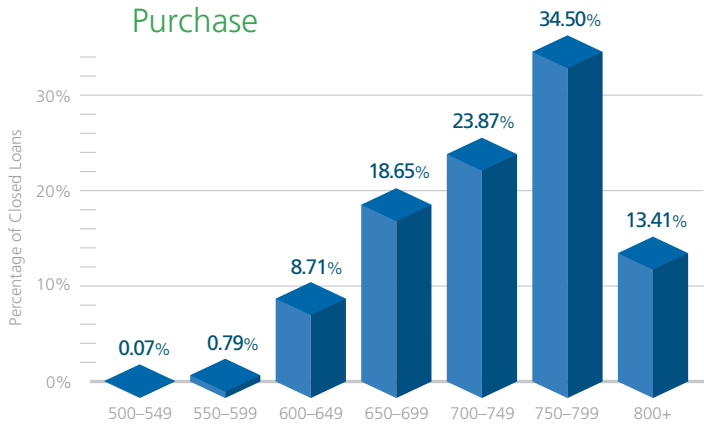
Monthly Origination Overview for Closed Loans

Percentage of loan applications in previous 90-day cycle that have closed

	2018										2017						
	Oct	Sept	Aug	Jul	Jun	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sept	Aug	Jul	Jun
ALL Loans																	
Closing Rate %	72.2%	71.7	71.7	70.9	70.5	70.2	69.5	69.6	70.6	70.9	71.2	70.9	70.4	71.6	71.7	70.6	70.3
REFI %	64.9%	64.4	63.5	63.7	63.3	65.0	64.8	64.9	65.0	65.5	65.6	65.1	63.6	64.8	63.9	62.4	63.5
PUR %	76.4%	76.4	75.9	75.0	75.0	75.0	73.9	76.3	75.7	75.7	76.1	75.5	75.2	76.4	76.8	76.2	75.1
FHA Loans																	
Closing Rate %	68.4%	68.2	68.1	69.2	68.3	67.3	67.7	67.9	68.6	68.9	69.0	68.4	68.8	70.0	70.1	69.2	69.2
REFI %	57.1%	55.7	53.8	58.7	58.0	61.6	62.0	61.3	61.0	61.3	60.0	58.7	59.5	61.1	60.0	57.3	58.6
PUR %	72.3%	72.2	72.4	72.8	72.1	70.4	70.8	71.4	72.2	72.5	72.9	72.2	72.3	73.3	73.6	73.2	72.6
CONV Loans																	
Closing Rate %	72.7%	72.8	72.4	71.6	70.4	69.3	69.7	70.2	70.8	71.6	71.9	71.6	70.9	71.8	72.1	70.9	70.6
REFI %	66.4%	65.8	65.1	64.9	64.1	65.6	65.9	66.4	66.2	66.9	67.3	67.0	65.0	65.8	65.2	63.8	64.7
PUR %	75.5%	76.9	76.6	76.0	75.2	73.6	74.0	74.6	75.7	76.3	76.7	76.0	75.9	76.9	77.5	76.8	75.8
VA Loans																	
Closing Rate %	69.8%	68.8	69.5	69.2	67.5	65.2	65.6	65.3	66.5	65.7	66.7	66.3	66.7	67.7	67.8	67.7	67.3
REFI %	58.2%	56.8	57.3	57.0	54.7	52.6	52.9	52.4	53.1	52.0	52.9	52.6	52.3	52.6	51.7	52.5	53.5
PUR %	75.6%	74.7	75.0	74.8	78.3	73.6	74.1	75.1	75.5	74.6	76.3	72.2	74.6	76.5	76.5	76.5	75.1

Closing rates for all loans increased to 72.2 percent in October, up from 71.7 percent in September. Refinance closing rates increased to 64.9 percent in October from 64.4 percent in September. Purchase closing rates held steady at 76.4 percent for the second consecutive month.

October 2018 Average FICO Score Distribution



71 percent of all closed loans had FICO scores over 700. 72 percent of purchase loans had FICO scores over 700. 65 percent of refinances had FICO scores over 700.

Profiles of All Closed Loans

Closed Loans

	2018										2017						
	Oct	Sept	Aug	Jul	Jun	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sept	Aug	Jul	Jun
ALL																	
FICO	727	727	724	725	726	724	723	722	721	721	722	722	724	724	724	724	724
LTV	79	79	79	80	80	79	79	79	78	77	79	79	79	79	80	80	80
DTI	26/39	25/39	26/39	26/39	26/39	26/39	26/39	26/39	26/40	26/40	25/39	25/39	25/39	25/39	25/39	25/38	25/38

The average FICO score on all closed loans held steady at 727 in October for the second consecutive month. Average LTV remained at 79 for the third consecutive month and DTI increased slightly to 26/39 in October.

Profiles of Closed FHA Loans

Closed Loans

	2018										2017							
	Oct	Sept	Aug	Jul	Jun	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sept	Aug	Jul	Jun	
FHA-REFI																		
FICO	660	662	658	657	658	649	650	652	643	645	645	645	650	649	649	646	647	650
LTV	78	78	79	78	79	77	77	78	77	77	77	77	79	78	78	78	78	78
DTI	27/43	27/43	28/44	28/44	28/43	30/47	30/47	29/47	30/49	29/48	29/48	30/49	29/47	29/47	29/46	29/46	29/46	29/46
FHA-PUR																		
FICO	676	677	676	676	677	676	676	677	679	680	680	681	681	682	683	683	683	683
LTV	95	95	95	95	95	95	95	96	96	96	96	96	96	96	96	96	96	96
DTI	29/44	29/44	29/44	29/44	29/44	29/44	29/44	29/44	29/44	29/44	28/43	28/43	28/43	28/43	28/43	28/43	28/43	28/43

FHA-REFI (% OF REFIS @ 95 LTV+)

	2018										2017							
	Oct	Sept	Aug	Jul	Jun	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sept	Aug	Jul	Jun	
%	5.2%	5.4	6.5	5.9	6.1	6.3	6.6	8.1	11.1	14.5	14.4	12.7	12.4	11.9	11.2	10.9	11.1	10.9

The average FHA purchase FICO dropped to 676 in October, down one point from September. FHA refinance FICO scores dropped to 660 in October, down from 662 in September. Conventional refinance FICO scores held steady at 733 in October, and Conventional purchase FICO scores remained at 751 for the fourth month.

Profiles of Closed Conventional Loans

Closed Loans

	2018										2017						
	Oct	Sept	Aug	Jul	Jun	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sept	Aug	Jul	Jun
CON-REFI																	
FICO	733	733	726	726	726	725	726	728	729	730	730	730	732	731	730	730	729
LTV	62	62	63	63	63	63	64	64	64	65	65	65	65	65	65	65	65
DTI	25/38	24/37	25/39	26/39	26/40	26/40	26/40	26/40	26/39	25/40	25/39	25/39	25/39	25/39	25/39	25/39	25/39
CON-PUR																	
FICO	751	751	751	751	753	753	752	752	751	751	751	751	752	752	752	753	754
LTV	80	80	80	80	80	81	81	81	80	80	80	80	80	80	80	80	80
DTI	25/37	24/36	24/36	25/36	24/36	24/36	24/36	24/36	24/37	24/36	24/36	24/36	24/36	23/35	23/35	23/35	23/35

Profiles of Closed VA Loans

Closed Loans

	2018										2017						
	Oct	Sept	Aug	Jul	Jun	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sept	Aug	Jul	Jun
VA-REFI																	
FICO	691	693	689	689	691	692	694	698	697	698	698	700	702	701	702	700	701
LTV	90	90	90	90	90	89	89	89	89	89	89	89	88	89	89	88	88
DTI	27/43	27/42	27/42	27/42	27/42	27/42	27/42	26/42	26/42	26/42	26/42	26/42	25/41	26/41	25/41	25/41	25/41
VA-PUR																	
FICO	709	709	708	709	711	709	707	708	707	708	708	709	708	709	710	711	711
LTV	98	97	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
DTI	27/43	27/43	27/43	27/43	27/43	27/43	26/42	26/42	26/42	26/42	26/42	26/42	25/41	25/41	25/41	25/41	25/41

VA-REFI (% OF REFIS @ 95 LTV+)

	2018										2017						
	Oct	Sept	Aug	Jul	Jun	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sept	Aug	Jul	Jun
%	51.2%	50.6	48.2	48.4	47.5	48.8	48.0	47.8	48.0	50.9	52.3	51.7	51.1	50.4	49.1	49.2	45.9

Terminology

Closing Rate

Percentage of loan applications begun in the previous 90-day cycle that have closed.

Debt-to-Income Ratio (DTI)

A personal finance measure that compares an individual's debt payments to the income he or she generates. Includes front-end ratio/back-end ratio.

FICO

A type of credit score that makes up a substantial portion of the credit report that lenders use to assess an applicant's credit risk and determine whether to extend a loan. FICO is an acronym for the Fair Isaac Corporation, the creators of the FICO score. The Ellie Mae *Origination Insight Report* looks at the average middle score from a tri-merge credit report.

Loan-to-Value Ratio (LTV)

A lending risk-assessment ratio that financial institutions and other lenders examine before approving a mortgage. It is calculated by dividing the mortgage amount by the appraised value of the property.

Refinance

Includes both no-cash-out and cash-out refinances.

Time-to-Close

Time from loan application to funding.

Methodology

The *Origination Insight Report* mines its application data from a robust sampling of approximately 80 percent of all mortgage applications that are initiated through Ellie Mae's Encompass digital mortgage solution.

The *Origination Insight Report* focuses on loans that closed in a specific month. The closing rate is calculated on a 90-day cycle rather than on a monthly basis because most loan applications typically take

one-and-a-half to two months from application to closing. Loans that do not close could still be active applications or applications withdrawn by consumers for incompleteness or nonqualification.

The *Origination Insight Report* details aggregated, anonymized data and does not disclose client-specific or proprietary information.

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Jonathan Corr, President and CEO

About Ellie Mae

Ellie Mae (**NYSE: ELLI**) is the leading cloud-based platform provider for the mortgage finance industry. Ellie Mae's technology solutions enable lenders to originate more loans, reduce origination costs, and shorten the time to close, all while ensuring the highest levels of compliance, quality, and efficiency.

Visit www.EllieMae.com
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EllieMae®