HOUSING FINANCE POLICY CENTER



A MONTHLY CHARTBOOK

February 2024



ABOUT THE CHARTBOOK

The Housing Finance Policy Center's (HFPC) mission is to produce analyses and ideas that promote sound public policy, efficient markets, and access to economic opportunity in the area of housing finance. At A Glance, a monthly chartbook and data source for policymakers, academics, journalists, and others interested in the government's role in mortgage markets, is at the heart of this mission.

We welcome feedback from our readers on how we can make At A Glance a more useful publication. Please email any comments or questions to ataglance@urban.org.

To receive regular updates from the Housing Finance Policy Center, please visit <u>here</u> to sign up for our bi-weekly newsletter.

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Findings from the 2022 American Community Survey

Housing Supply has Shifted Away from Naturally Affordable Property Types

Amid a severe housing supply shortage (page 21) especially at the lower-cost end of the market (page 23), increasing the number of total housing units is critical to reducing affordability constraints. However, increasing the supply of affordable units will decrease these constraints faster. In the filtering process, higher priced units enter the market, and some people move up, leaving older properties vacant. This causes prices and rents on older properties to fall, or to rise less quickly, however the process takes time to work. For this months' special feature, we analyzed changes in property type and housing costs over time using the recently released 2022 American Community Survey.

The total number of occupied housing units increased by 10.9 percent in the last 11 years. However, manufactured housing has been vanishing over the last two decades. The number of occupied manufactured housing units decreased by 11.1 percent from 2000 to 2011 and by 2.3 percent from 2011 to 2022. Similarly, there was an overall 6.9 percent decline in occupied units in 2-4-unit buildings from 2000 to 2011, which the relatively small 2.7 percent increase from 2011 to 2022 did little to fix. By tenure, the number of renter-occupied units in 2-4-unit buildings increased by only 0.2 percent and the owner-occupied number increased by 14.7 percent.

The disappearance and slow recovery of these types of housing is concerning as they are more likely than other types of housing to be affordable. A relatively high share of occupants of manufactured homes and units in 2-4-unit buildings have low-to-moderate incomes. In

2022, 69 percent of rented units in 2-4-unit buildings were rented by families with low-to-moderate incomes, that is making 80 percent or less of the area median income. Renter-occupied units in 2-4-unit buildings are often a naturally occurring source of affordable housing. Manufactured homes have the highest share of low-to-moderate homeowners and a lower share of cost burdened homeowners than units in 2-4-unit buildings and multifamily buildings with 5 or more units. New manufactured housing has potential to increase housing supply relatively quickly and act a source of affordable housing, especially in places with low land costs.

Homeownership rates increased most for people of color and low-income households during and after the pandemic

The national homeownership rate increased by 1.9 percentage points from 2019 to 2022 due to low interest rates (page 9), and high purchase activity (page 20) during the COVID-19 pandemic. Homeownership rates increased more for low-to-moderate income households at 2.9 percentage points than high-income households at 0.6 percentage points. White households experienced the lowest percentage point increase in homeownership at 1.5 percentage points.

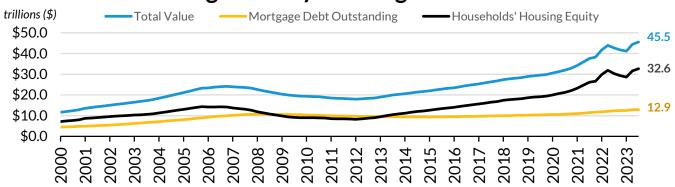
Inside this Issue

- Origination volume was 38 percent lower in 2023 than 2022 (page 8).
- Origination volume has likely stabilized and is poised to grow in 2024 (page 20).
- Home sales and refinance volumes were low over 2023 (page 21 and page 10).
- House price growth has started to slow in the end of 2023 (page 24).

OVERVIEW MARKET SIZE OVERVIEW

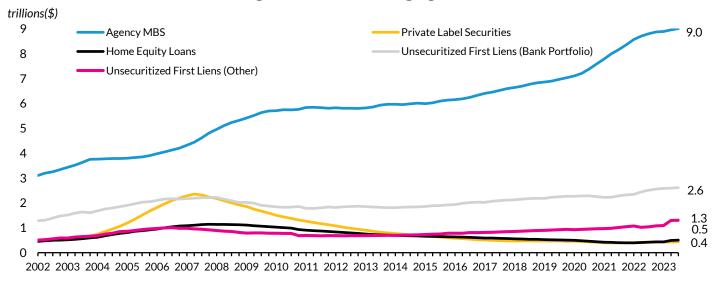
In the third quarter of 2023, the total value of the housing market owned by households increased by 2.3 percent to \$45.5 trillion, a series high and driven by a 3.1 percent increase in households' housing equity to \$32.6 trillion. Outstanding mortgage debt owed by households rose by 0.6 percent over the quarter to \$12.9 trillion. Despite a small decline over the fourth quarter of 2022 and first quarter of 2023, the total housing market value owned by households in the third quarter of 2023 is 88.7 percent above its fourth quarter of 2006 peak. The strong growth in market value of homes owned by households largely reflects households' housing equity, which more than doubled over this time period, rising by 129.8 percent. Outstanding mortgage debt owed by households expanded by 30.0 percent during the same time. In the third quarter of 2023, agency MBS accounted for 65.1 percent (\$9.0 trillion) of total mortgage debt outstanding while private-label securities made up 3.1 percent (0.43 trillion) and home equity loans made up 3.6 percent (0.49 trillion). Unsecuritized first liens, both Bank Portfolio and Other, comprise the remaining 28.2 percent (\$3.9 trillion) with Banks making up 18.9 percent (\$2.6 trillion), and Other accounting for 9.4 percent (\$1.29 trillion). Of Other, credit unions account for 4.2 percent (\$0.57 trillion), and other non-depositories accounted for 5.2 percent (\$0.72 trillion) of the total (not shown).

Value of the US Single Family Housing Market



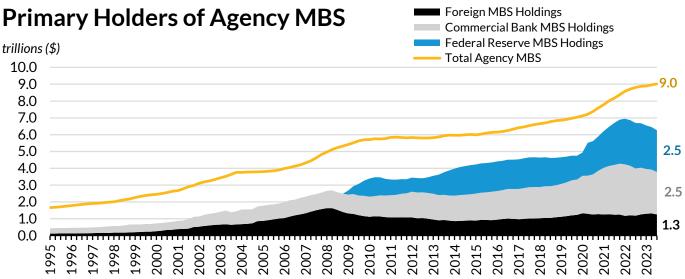
Sources: Financial Accounts of the United States, Table B.101 and Urban Institute. Last updated December 2023. **Note:** Single family includes 1-4 family owner-occupied mortgages.

Composition of the US Single Family Mortgage Market



MARKET SIZE OVERVIEW

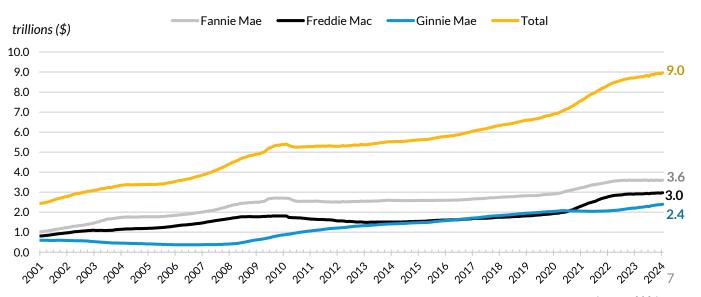
The three largest holders of the \$9.0 trillion in outstanding agency MBS are commercial banks (\$2.5 trillion), the Federal Reserve (\$2.5 trillion) and foreign investors (\$1.3 trillion). The foreign investor holdings includes both sovereign as well as private holdings. Commercial banks and the Federal Reserve have both had noticeable reductions in their holdings over the past year. From Q3 2022 to Q3 2023 commercial banks holdings are down by 10 percent while Federal Reserve holdings are down by 8 percent. By the end of January 2024, outstanding securities in the agency market totaled \$9.0 trillion according to loan-level data, 40.3 percent (\$3.6 trillion) of which was Fannie Mae, 33.2 percent (\$3.0 trillion) Freddie Mac, and 26.5 percent (\$2.4 trillion) Ginnie Mae. After closing the gap in securitized volume with Freddie Mac in the aftermath of the Great Recession, Ginnie securitized volumes have lagged particularly over the 2020-2022 period; the gap began to close again in 2023.



Sources: Financial Accounts of the United States (table L.211), Board of Governors of the Federal Reserve System, Federal Deposit Insurance Corporation, Moody's Analytics and Urban Institute Calculations. Data as of Q3 2023...

Note: A small amount (roughly 5%) of foreign MBS holdings is agency debentures. Holders not shown: Households, nonfinancial business, federal, state and local governments, insurance companies, pension and retirement funds, money market and mutual funds, REITs, ABS issuers, brokers, and holding companies.

Agency Mortgage-Backed Securities

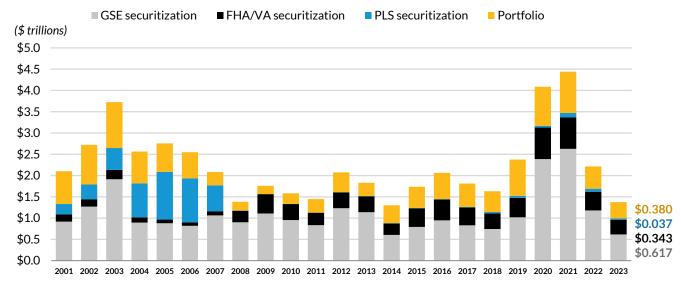


January 2024

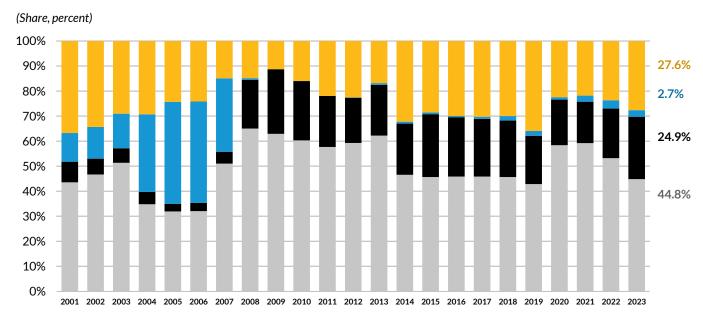
ORIGINATION VOLUME AND COMPOSITION

First Lien Origination Volume

Amid rising interest rates, mortgage origination volume totaled \$1.376 trillion for full year 2023, versus \$2.215 trillion for full year 2022. The decline in originations largely reflects fewer refinance loans. The GSE share was lower in 2023 at 44.8 percent, compared to 53.2 percent in 2022. And portfolio originations made up 27.6 percent of total volume in 2023, up from 23.7 percent in 2022. The PLS share was 2.7 percent in 2023, down from 3.3 percent in 2022 and the FHA/VA share in 2023 stood at 24.9 percent, up from 19.8 percent in 2022.



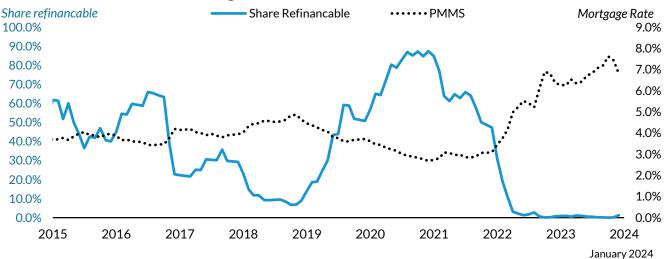
Sources: Inside Mortgage Finance and Urban Institute. Data as of Q4 2023.



REFINANCABLE MORTGAGES

After peaking at 4.87 percent in November 2018, mortgage rates began to decline, falling to 2.68 percent in December 2020. Amid falling mortgage rates, the share of agency loans considered refinancable rose from 6.8 percent in October 2018 to 87.4 percent in December 2020. Lower mortgage rates contributed to a burst in refinancings over 2020, 2021 and the first four months of 2022. The share of agency mortgages with a rate less than 3.5 percent expanded significantly, from 11.0 percent in December 2019 to 54.9 percent in April 2022. As mortgage rates rose over 2022 and 2023, the share of agency mortgages considered refinancable plummeted to 3.21 percent in April 2022 and remains low at 1.82 percent in January 2024. Higher mortgage rates helped reduce both refinancability, with many current borrowers having already refinanced into lower rates, and homebuyer affordability. Reduced affordability largely reflects higher mortgage payments and low housing inventory as current homeowners are disincentivized to sell and give up their low-rate mortgages. Amid higher rates, the share of outstanding mortgage volume with a rate of 3.5 percent or less has declined by only 7.0 percentage points from a high of 54.9 percent in April 2022 to 47.9 percent in January 2024.

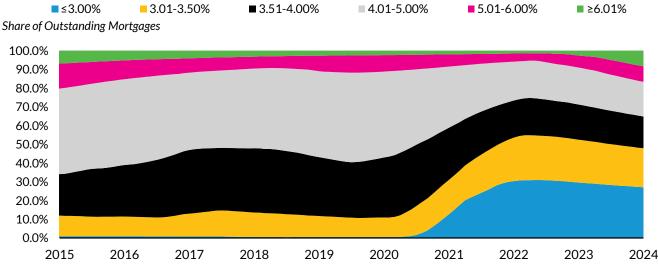
Refinancable Share of Agency Loans



Source: eMBS, Freddie Mac and Urban Institute Calculations

Note: Loans are counted as refinancable if the note rate is at least 50 basis points over the mortgage rate reported by Freddie Mac's Primary Mortgage Market Survey.

Outstanding Agency Mortgage Volume by Interest Rate



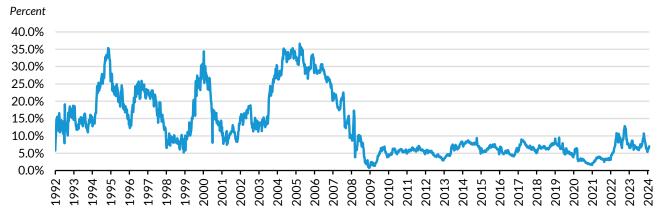
Source: eMBS, Freddie Mac and Urban Institute Calculations.

January 2024

PRODUCT COMPOSITION AND REFINANCE SHARE

The adjustable-rate share of weekly mortgage applications varied widely in the 1990s and the early to mid-2000s, ranging from a low of 5 percent to a high of over 35 percent. From 2009 to early 2022, the ARM share remained very low, generally between 5 to 8 percent, as ultra-low rates persisted, and product risk was wrung out of the market following the housing bust. However, with rates rising substantially in 2022 and affordability worsening, the ARM share increased from 3.1 percent in the week ending January 7, 2022, to 12.8 percent as of the week ending October 14, 2022. After subsiding to 5.9 percent by July 21, 2023, the ARM share began another ascent peaking at 10.7 percent, but has since declined to 7.0 percent as of February 9, 2024, within its 2009-2018 range.

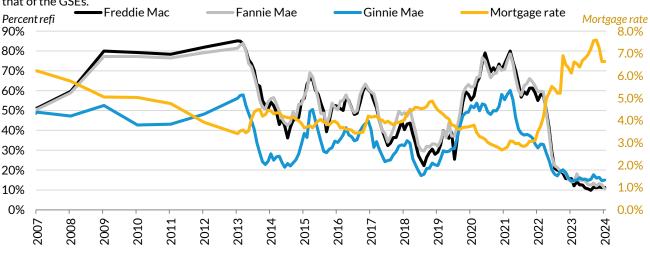
Adjustable-Rate Mortgage Share of Applications



Source: Mortgage Bankers Association (MBA) Weekly Mortgage Applications Survey. **Note**: Includes purchase and refinance applications. Data updated through February 9, 2024.

Percent Refi at Issuance

Despite some monthly variation, from late 2018-though March 2021 the percent refi at issuance (refi share) generally increased for both the GSEs and for Ginnie Mae as interest rates dropped. Refinance originations reflect mortgage rates from 6-8 weeks earlier. Since April 2021, and in reaction to higher interest rates, the refi share has declined significantly. In January 2024, the Fannie Mae refi share reached a record low of to 10.6 percent. The Freddie Mac refi share was 11.3 percent, and the Ginnie Mae share was 15.0 percent. The refi share across the GSEs has declined much more than Ginnie Mae's as rates increased in 2022 and 2023. This has led to a rare reversal, where the Ginnie Mae refi share now exceeding that of the GSEs.



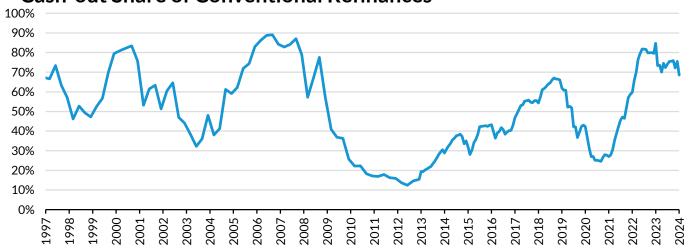
Sources: eMBS and Urban Institute.

Note: Based on at-issuance balance. Figure based on data from January 2024.

CASH-OUT REFINANCES

When mortgage rates are low, the share of cash-out refinances tends to be relatively smaller, as rate/term refinancing allows borrowers to save money by taking advantage of lower rates. But when rates are high, the cash-out refinance share is higher since the rate reduction incentive is gone and the only reason to refinance is to take out equity. The cash-out share of refinances generally declined in 2020, reaching 25 percent in September 2020 due to increased rate refinances amidst historically low rates. With rates rising dramatically and the bulk of rate-refinance activity behind us, the cash-out share increased to 84.8 percent as of January 2023 and is now at 68.6 percent in January 2024. While the cash-out share of total refis remains elevated, the absolute volume of cash-out refinances is low. However, the cash-out refi volume of total originations for Fannie Mae and Freddie Mac lags that of FHA. While cash-out refinances may not be the optimal vehicle for home equity extraction, it may be the only way for lower credit borrowers to extract cash from their homes.

Cash-out Share of Conventional Refinances



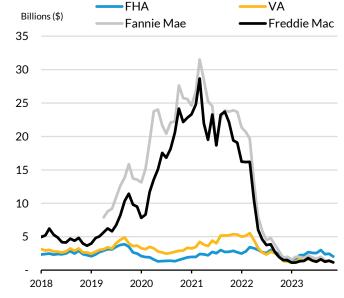
Sources: Freddie Mac, eMBS and Urban Institute.

Note: The cash-out share for conventional market is calculated using Freddie Mac's quarterly refinance statistics from 1995 to 2013. Post 2013 it is calculated monthly using eMBS. Data as of January 2024.

Cash-out Refi Share of All Originations

Fannie Mae Freddie Mac 40% 35% 30% 25% 20% 15% 10% 5% 0% 2018 2019 2020 2021 2022 2023

Cash-out Refinance Volume by Agency



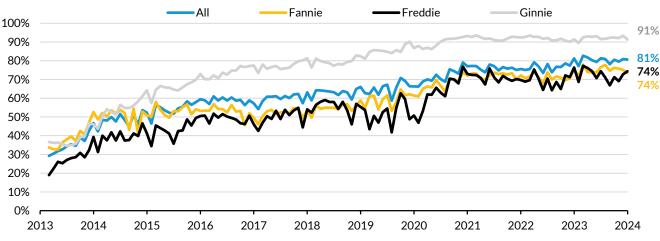
 $\textbf{Sources:} \, \mathsf{eMBS} \, \mathsf{and} \, \mathsf{Urban} \, \mathsf{Institute}$

Note: Data as of December 2023. Fannie Mae started reporting cash-out volume in 2018.

AGENCY NONBANK ORIGINATION SHARE

The nonbank share for agency originations has been rising steadily since 2013, standing at 81 percent in January 2024. The Ginnie Mae nonbank share has been consistently higher than the GSEs, standing at 91 percent in January 2024. Fannie and Freddie both had nonbank shares of 74 percent in January 2024. Overall, the nonbank share of refis was similar to its share of purchase loans. However, the nonbank share of Ginnie refi loans exceeded its share of Ginnie purchase loans. Conversely, the nonbank share of purchase loans across the GSEs exceeded the nonbank share of GSE refi loans.

Nonbank Origination Share: All Loans

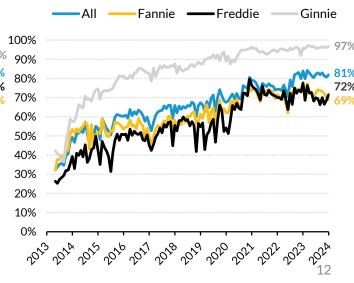


Sources: eMBS and Urban Institute. Data as of January 2024.

Nonbank Origination Share: Purchase Loans

Sources: eMBS and Urban Institute.

Nonbank Origination Share: Refi Loans



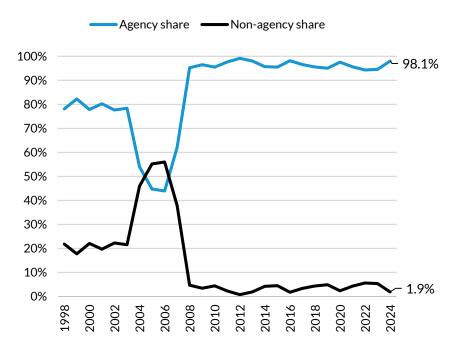
Sources: eMBS and Urban Institute.

SECURITIZATION VOLUME AND COMPOSITION

Agency/Non-Agency Share of Residential MBS Issuance

During the housing boom years, the nonagency share of residential MBS issuance rose to more than half of all residential MBS issuance. Amid the collapse in the housing market, the non-agency share contracted to 1.26 percent in 2012. It has remained low since then, oscillating between 2.41 percent and 7.42 percent over this time period and sitting at 1.9 percent in January 2024.

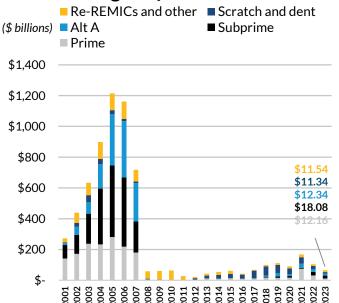
In Q4 2023, non-agency issuance reached \$13.8 billion, a decrease relative to the \$18.1 billion in Q3, but an increase from \$7.3 billion in Q4 2022. Full year non-agency issuance for 2023 was \$65.5 billion, far below the 2022 level of \$103.9 billion. Non-agency securitization totaled \$1.3 billion in January 2024, a significant decrease from December 2023, when it stood at \$4.1 billion and lower than volume in January 2023, when it stood at \$5.5 billion.



Sources: Inside Mortgage Finance and Urban Institute.

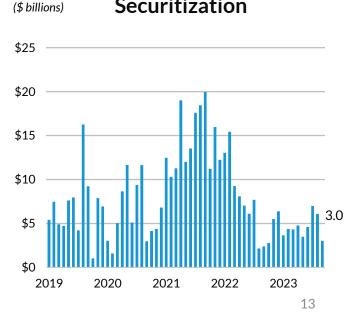
Note: Based on data from January 2024. Monthly non-agency volume is subject to revision.

Non-Agency MBS Issuance



Sources: Inside Mortgage Finance and Urban Institute. **Note**: Data through January 2024.

Monthly Non-Agency Securitization

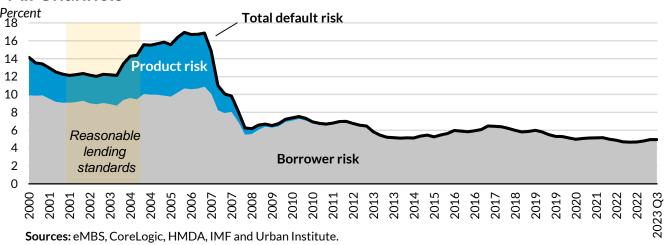


Sources: Inside Mortgage Finance and Urban Institute.

CREDIT BOX HOUSING CREDIT AVAILABILITY INDEX

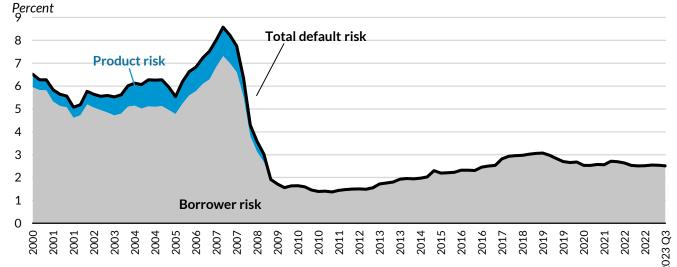
The Urban Institute's Housing Credit Availability Index (HCAI) assesses lenders' tolerance for both borrower risk and product risk, calculating the share of owner-occupied purchase loans that are likely to go 90+ days delinquent over the life of the loan. The HCAI stood at 4.96 percent in Q3 2023, down slightly from Q2 2023, but up year-over-year. The loosening from Q3 2022 to Q3 2023 reflects an increase in default risk driven by a 10 percent increase among portfolio and private label securities. The GSE channel was largely unchanged; but there was tightening in the government channel, with a nearly seven percent decline in default risk taken year-over-year. Note that we updated the methodology as of Q2 2020, see new methodology here. More information about the HCAI is available here.

All Channels



GSE Channel

The trend toward greater credit availability in the GSE channel began in Q2 2011. From Q2 2011 to Q1 2019, the total risk taken by the GSE channel more than doubled, from 1.4 percent to 3.1 percent. This is still very modest by pre-crisis standards. However, accelerated tightening throughout 2020 induced by market conditions due to COVID-19 drove down credit risk to 2.5 percent in Q4 2020. The increase in Q1 2021, to 2.58 percent, marked the first expansion of credit availability in the GSE channel since Q1 2019. In Q3 2023, credit availability stood at 2.51 percent, at parity with availability in Q3 2022.



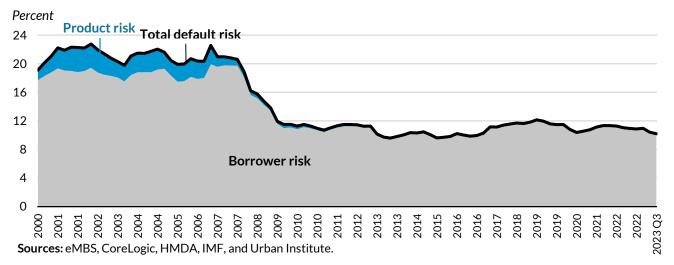
Sources: eMBS, CoreLogic, HMDA, IMF, and Urban Institute.

Note: Default is defined as 90 days or more delinquent at any point. Last updated December 2023.

CREDIT BOX HOUSING CREDIT AVAILABILITY INDEX

Government Channel

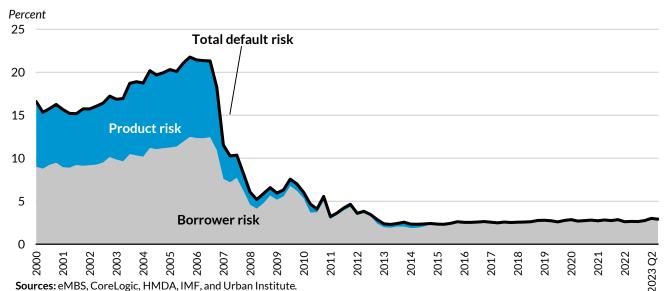
The total default risk the government loan channel is willing to take bottomed out at 9.6 percent in Q3 2013. It fluctuated in a narrow range at or above that number for three years. In the eleven quarters from Q4 2016 to Q1 2019, the risk in the government channel increased from 9.9 to 12.1 percent but has since receded. After declining to 10.4 percent in Q3 of 2020, the government channel had begun to increase risk to 11.3 percent up until Q1 2022 but has since dropped to 10.2 percent in Q3 2023; far below the pre-bubble level of 19 to 23 percent.



Portfolio and Private Label Securities Channels

Note: Default is defined as 90 days or more delinquent at any point. Last updated December 2023.

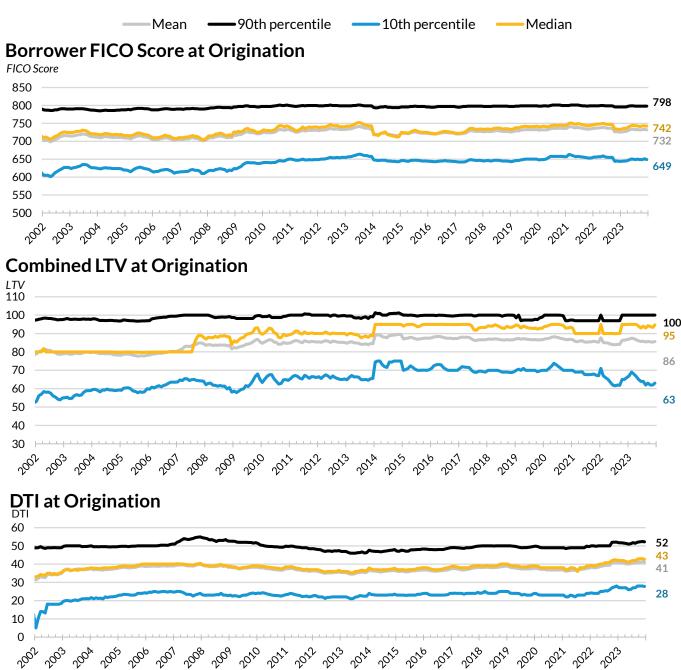
The portfolio and private-label securities (PP) channel took on more product risk than the government and GSE channels during the bubble. After the crisis, the channel's product and borrower risks dropped sharply. The numbers have stabilized since 2013, with product risk well below 0.5 percent and total risk largely in the range of 2.3-3.0 percent. In the third quarter of 2023, PP risk was measured at 2.9 percent, up substantially from 2.7 percent a year ago. Overall, risk in the PP channel is a shadow of the default risk taken prior to the Great Financial Crisis.



CREDIT BOX

CREDIT AVAILABILITY FOR PURCHASE LOANS

Over 2023, credit standards have tightened, mostly across the FICO dimension, but remain broadly easier relative to the levels that prevailed in December 2021, just prior to the significant rise in interest rates. Median FICO score at origination in December 2023 was 742, just under its 745 level in December 2021. Median DTI was 43 percent, which remains above its December 2021 rate of 39 percent. Median LTV sat at 95 percent in December, above its December 2021 level of 90 percent.

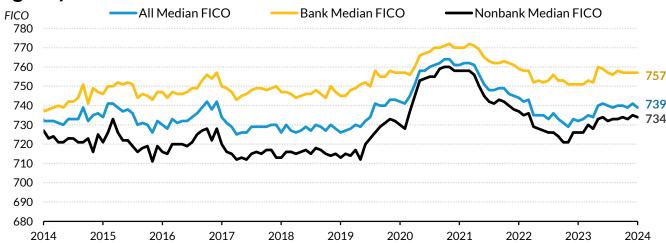


CREDIT BOX

AGENCY NONBANK CREDIT BOX

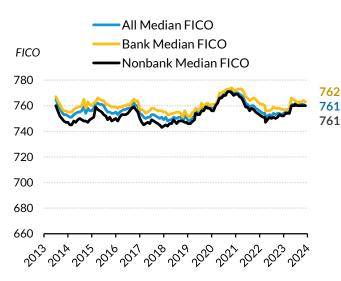
FICO scores for banks and nonbanks in both GSE and Ginnie Mae segments increased during the Q1 2019 to Q1 2021 period due to increased refi activity in response to lower rates; as refi activity tapered, FICO scores fell. Borrowers of refi loans typically have higher FICO scores than borrowers of purchase loans, which boosted median scores amid the most recent refi wave and reduced scores as rates rose. But after falling in 2021 and most of 2022, median FICO scores are higher over 2023, rising from 726 to 739, despite a sharp contraction in refinance activity. This likely reflects the fact that with affordability stretched due to the increases in interest rates and home prices, qualification often requires higher FICO scores to compensate. The gap between agency bank and nonbank FICOs reached 13 points in January 2024. The difference between the median FICO on bank and non-bank GSE loans stood at 1 point in January 2024. But across Ginnie Mae loans, the gap currently sits at 23 points. Due to the sharp cut-back in FHA lending by banks post-2008, banks now comprise only about 7 percent of Ginnie Mae originations.

Agency FICO: Bank vs. Nonbank

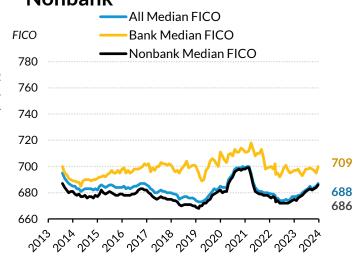


Sources: eMBS and Urban Institute. Data as of January 2024.

GSE FICO: Bank vs. Nonbank



Ginnie Mae FICO: Bank vs. Nonbank



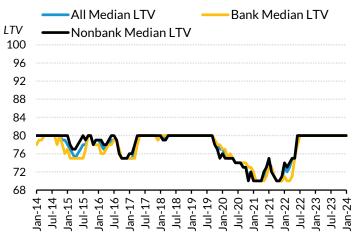
Sources: eMBS and Urban Institute.

CREDIT BOX

AGENCY NONBANK CREDIT BOX

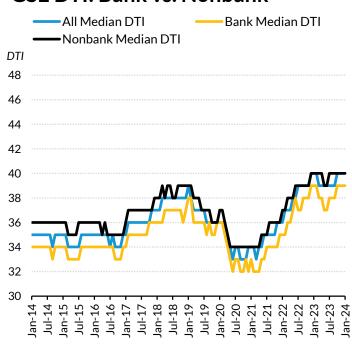
Nonbanks are more expansive in their lending than their bank counterparts, as indicated by higher back-end DTIs in both GSE and Ginnie Mae markets. From early 2017 to early 2019, there was a sustained increase in DTIs, which has reversed beginning in the spring of 2019. This is true for both Ginnie Mae and the GSEs, for banks and nonbanks. As interest rates in 2018 increased, DTIs rose, because borrower payments were driven up relative to incomes. As rates fell during most of 2019 and 2020, DTIs fell as borrower payments declined relative to incomes. Since March 2021, DTIs have increased, reflecting the rise in rates and elevated house price increases, both of which force households to borrow more in relation to income.

GSE LTV: Bank vs. Nonbank

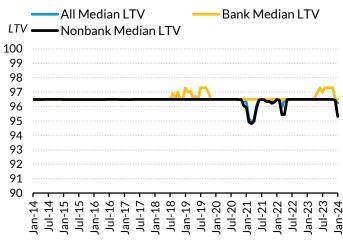


Sources: eMBS and Urban Institute.

GSE DTI: Bank vs. Nonbank

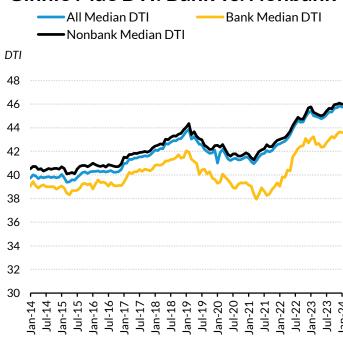


Ginnie Mae LTV: Bank vs. Nonbank



Sources: eMBS and Urban Institute.

Ginnie Mae DTI: Bank vs. Nonbank



Sources: eMBS and Urban Institute.

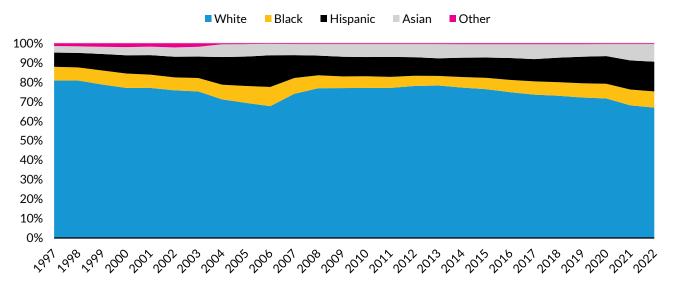
Sources: eMBS and Urban Institute.

STATE OF THE MARKET

RACIAL & ETHNIC COMPOSITION

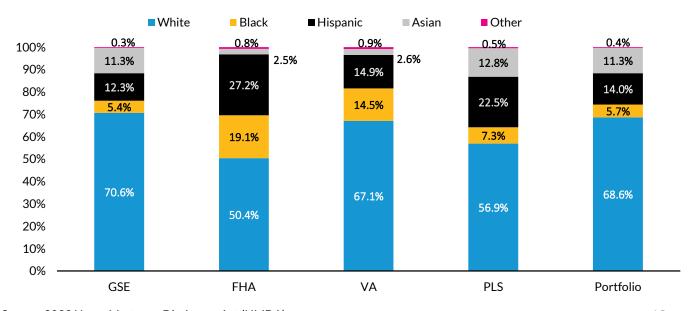
Across all channels, the share of purchase lending to applicants of color reached a peak of 32.3% in 2006. Following the Great Recession and amidst a period of very tight credit, the share of purchase loans extended to borrowers of color declined to a low of 21.7% in 2013. Since then, it has slowly recovered. In 2022, the borrower of color share stood at 33.1% in 2022, up from 31.8% in 2021. But the share of purchase lending to borrowers of color varied widely by channel in 2022. At 49.6 percent and 43.1 percent, respectively, borrowers of color accounted for a larger share of FHA and PLS purchase lending. Borrowers of color represented a smaller loans share in the GSE, Portfolio and VA channels, 29.4 percent, 31.4 percent and 32.9 percent, respectively.

2022 Purchase Loan Shares by Race



Source: 1997 to 2022 Home Mortgage Disclosure Act (HMDA). **Note**: Includes purchase loans only. Shares based on loan counts

2022 Purchase Loan Channel Shares by Race



Source: 2022 Home Mortgage Disclosure Act (HMDA). **Note**: Includes purchase loans only. Shares based on loan counts

MORTGAGE ORIGINATION PROJECTIONS

For the full year of 2023, both Fannie Mae and Mortgage Bankers' Association reported total origination volume was 36.7 to 27.0 percent below its level in 2022, respectively, continuing the decrease from the recent peak established in 2021. The lower full year mortgage originations in 2023 was primarily due to the lower refi share. A second contributing factor, as illustrated on page 21, is fewer home sales in 2023 relative to 2022. However, originations over full year 2024 are expected to exceed their 2023 level but are not projected to return to 2022 levels. Current projections for 2025 predict origination and refinance levels similar to those in 2022.

Total Originations and Refinance Shares

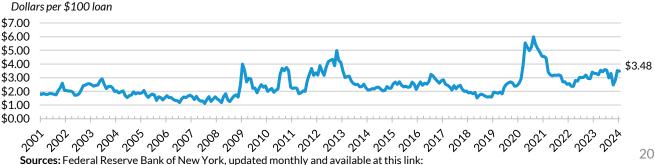
	Originations	s (\$ billions)	Refi Share (percent)			
Period	Total, FNMA estimate	Total, MBA estimate	FNMA estimate	MBA estimate		
2023 Q1	339	333	18	20		
2023 Q2	429	463	17	20		
2023 Q3	402	444	16	18		
2023 Q4	332	399	17	19		
2024 Q1	334	390	21	22		
2024 Q2	508	494	20	22		
2024 Q3	562	563	25	24		
2024 Q4	512	554	28	25		
2019	2462	2253	46	44		
2020	4374	4108	64	64		
2021	4570	4436	58	62		
2022	2374	2245	31	33		
2023	1502	1639	17	19		
2024	1916	2001	24	24		
2025	2368	2339	30	27		

Sources: Fannie Mae, Mortgage Bankers Association and Urban Institute. Data as of February 2024.

Note: Shaded boxes indicate forecasted figures. All figures are estimates for total single-family (1-4 unit) market. Regarding interest rates, the yearly averages for 2017, 2018, 2019, 2020, 2021, and 2022 were 4.0, 4.6, 3.9, 3.0, and 5.3 percent.

Originator Profitability and Unmeasured Costs

In January 2024, Originator Profitability and Unmeasured Costs (OPUC) stood at \$3.48 per \$100 loan, down from \$3.52 per \$100 loan in December 2023. Higher profitability seen in 2020 and early 2021 reflected lender capacity constraints amidst strong refi demand. Reduced profitability in 2022 reflected slower refinance activity, forcing originators to compete more aggressively on price. 2023 profitability reflected less, but still significant competition between mortgage originators. OPUC, formulated and calculated by the Federal Reserve Bank of New York, is a good relative measure of originator profitability. OPUC uses the sales price of a mortgage in the secondary market (less par) and adds two sources of profitability; retained servicing (both base and excess servicing, net of g-fees), and points paid by the borrower. As volumes decline, fixed costs are spread out over fewer loans, overstating the relative profitability. OPUC is generally high when interest rates are low, as originators are capacity constrained due to refinance demand and have no incentive to reduce rates. Conversely, when interest rates are higher and refi activity low, competition forces originators to lower rates, driving profitability down. While higher rates are limiting volume, originators are adapting to the new environment by slashing head counts and fixed costs.



http://www.ny.frb.org/research/epr/2013/1113fust.html and Urban Institute. Data as of January 2024.

HOUSING SUPPLY

Months' supply of existing homes, or the inventory of homes as a share of home sales, remains low, although higher than the record low levels seen in 2021. Despite some fluctuation, existing months' supply increased over much of 2022 and 2023. From January 2023 to January 2024, month's supply increased 5.0 percent. Fannie Mae, the MBA, and the NAHB reported housing starts over full year 2023 lagged levels in 2022. In 2024, industry forecasters expect housing starts to be lower than in 2023, with a rebound in 2025. Amid the lack of inventory, and reduced affordability, home sales in 2023 were much lower than in 2022. However, 2023 will likely be the cyclical low point as industry forecasters do not expect further declines in sales in 2024. Forecasts call for higher home sales in 2025 to levels much closer to the pace in 2022.

Months' Supply



Source: National Association of Realtors and Urban Institute. Data as of January 2024.

Housing Starts and Home Sales

	Housing Starts, thousands				Home Sales, thousands			
Year	Total, FNMA estimate	Total, MBA estimate	Total, NAHB estimate	Total, FNMA estimate	Total, MBA estimate	Total, NAHB estimate*		
2017	1203	1208	1205	6123	6158	5520		
2018	1250	1250	1247	5957	5956	5350		
2019	1290	1295	1292	6023	6016	5431		
2020	1380	1397	1397	6462	6506	5889		
2021	1601	1605	1606	6891	6896	6189		
2022	1553	1551	1551	5671	5740	5167		
2023	1413	1415	1416	4758	4770	4342		
2024	1422	1424	1366	4996	5066	4520		
2025	1414	1467	1417	5543	5644	5022		

Sources: Fannie Mae, Mortgage Bankers Association and National Association of Home Builders forecasts as of February 2024, and the Urban Institute.

Note: Shaded boxes indicate forecasted figures; column labels indicate source of estimate.

^{*}The NAHB home sales also excludes existing condos and co-ops reported by NAR.

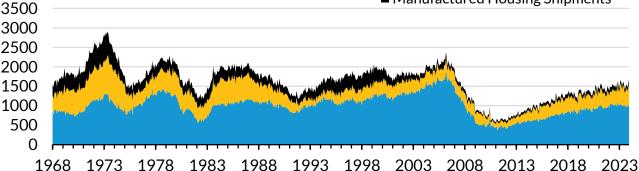
New Residential Production

New residential production, including single-family and multifamily completions as well as manufactured housing shipments, reached a seasonally adjusted annual rate of 1.67 million units in December 2023, 13 percent higher than its level in December 2022, 1.48 million units. Since reaching a low of 565 thousand units in January 2011, new production has risen by 196 percent. However, current production is still 23 percent lower than the peak March 2006 level of 2.38 million units. In December 2023, single-family completions are 45 percent lower than the March 2006 peak of 1.91 million units. Multifamily completions are 37 percent greater than their level in March 2006. Only 4.5 percent of multifamily units completed in 2023 Q3 were built-for-sale, down significantly from its 2007 Q2 peak of 43.9 percent. Amid higher interest rates, 69.2 percent of single-family completions were built for-sale in 2023 Q3, 7.0 percentage points lower than the share built for sale in 2022 Q3. The owner-occupied share of mobile homes fell from 2006 to 2014, but partially recovered in the ensuing years.

Completions and Shipments

Thousands, seasonally adjusted annual rate

- Single-family completions
- Multifamily completions
- Manufactured Housing Shipments



Source: Moody's Analytics, U.S. Census Bureau (BOC) and Urban Institute

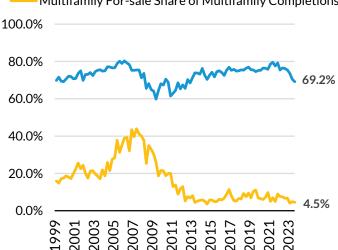
Calculations

December 2023

Share of Residential Completions Built For Sale

Single-family For-sale share of Single-family Completions

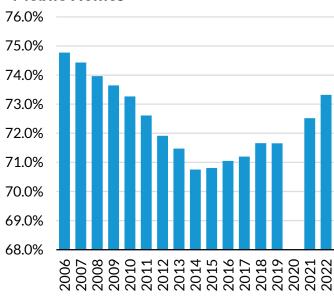
Multifamily For-sale Share of Multifamily Completions



Source: U.S. Census Bureau (BOC) and Urban Institute Calculations.

September 2023

Owner-Occupied Share of Occupied Mobile Homes



Source: 1-year American Community Survey.

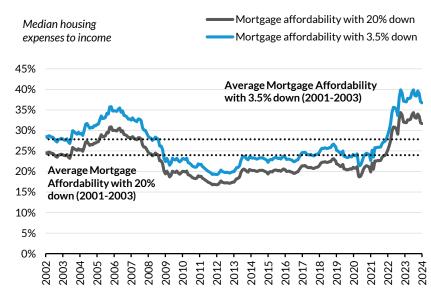
Note: This data is not available for 2020 due to low response

rates during the pandemic.

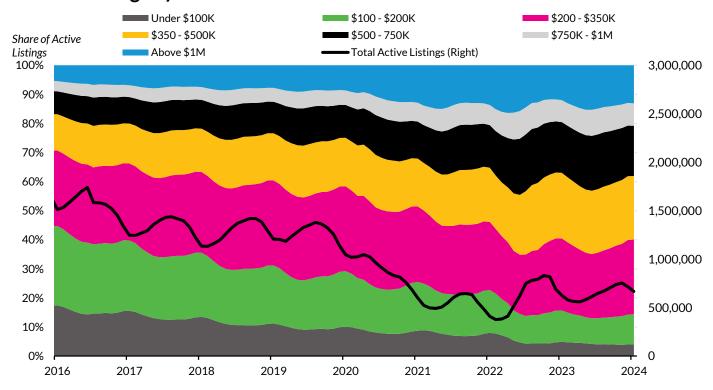
STATE OF THE MARKET HOUSING AFFORDABILITY

National Mortgage Affordability Over Time

Mortgage affordability, while marginally better than the record high in October, remains close to the worst level since the inception of this series in 2002. As of January 2024, with a 20 percent down payment, the share of median income needed for the monthly mortgage payment stood at 31.6 percent, higher than the 30.9 percent at the peak of the housing bubble in November 2005; and with 3.5 percent down the housing cost burden is 36.7 percent, also above the 35.8 percent prior peak in November 2005. As shown in the bottom picture, even amid seasonality, active listings remain lower over time and the distribution has shifted markedly towards higher priced homes.



Active Listings by Price Tier Over Time



Sources: National Association of Realtors, US Census Bureau, Current Population Survey, American Community Survey, Moody's Analytics, Freddie Mac Primary Mortgage Market Survey, Realtor.com, and the Urban Institute. **Note:** Mortgage affordability is the share of median family income devoted to the monthly principal, interest, taxes, and insurance

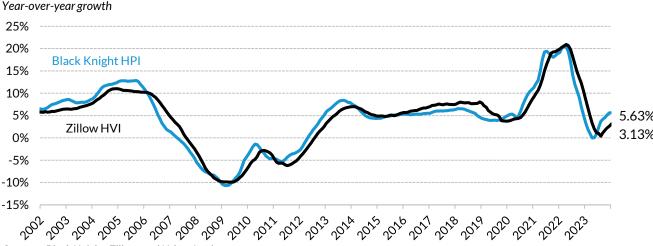
Note: Mortgage affordability is the share of median family income devoted to the monthly principal, interest, taxes, and insurance payment required to buy the median home at the Freddie Mac prevailing rate for a 30-year fixed-rate mortgage and property tax and insurance at 1.75 percent of the housing value. Data for the bottom chart provided by Realtor.com as of January 2024.

STATE OF THE MARKET

HOME PRICE INDICES

National Year-Over-Year HPI Growth

According to Black Knight's repeat sales index, year-over-year home price appreciation was 5.63 percent in January 2024, up from the previous month's 5.60 percent, despite a slight decline in house prices in November 2023. Year-over-year home price appreciation as measured by Zillow's hedonic home value index is similarly increasing and stands at 3.13 percent in January 2024, up from 2.64 percent in December. Affordability remains low amid the annual increase in home prices combined with elevated interest rates since 2022.

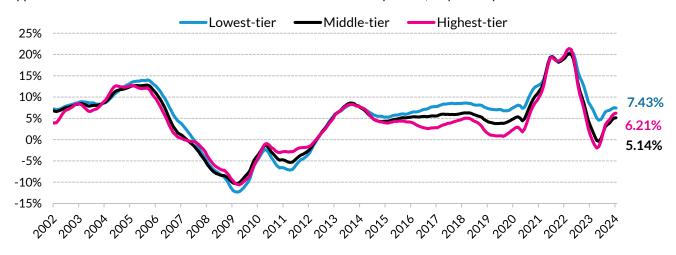


Sources: Black Knight, Zillow, and Urban Institute.

Note: Black Knight modified the methodology behind their HPI in February 2021, resulting in changes to historic price estimates. Data as of January 2024.

National Year-Over-Year HPI Growth by Price Tier

House price growth accelerated in the second half of 2020 into 2022 across all price tiers. With higher-priced homes experiencing steeper appreciation in 2020 and 2021, year-over-year growth in the highest-tier had surpassed the middle and lowest tiers by Feb 2022. With rates rising sharply in 2022, the rate of appreciation slowed, then dropped for all price tiers. After bottoming at the end of Q1 2023, home prices began to rise. As of November 2023, year-over-year house price appreciation is now positive and increasing at each tier. The greatest appreciation is at the lowest end of the market at 7.43 percent. Appreciation at the highest tier, which had been lowest since July 2022 surpassed appreciation of middle tier homes which now stand at 6.21 and 5.14 percent, respectively.

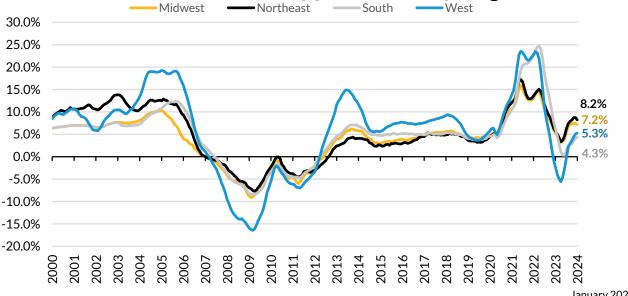


Sources: Black Knight and Urban Institute.

REGIONAL HOME PRICE INDICES

In December 2023, house prices in all regions of the country were higher than their level 12 months ago. The Northeast has the highest appreciation at 8.7 percent, followed closely by the Midwest at 7.4 percent. After lagging the rest of the US since July 2022, the West now has higher appreciation than the South at 5.1 and 4.2 percent, respectively. From 2020 to the first quarter of 2021, home prices rose sharply, led by the South and West. From Q2, 2022 to Q1, 2023, home prices fell for most of the country, with the most dramatic drops in the South and West. While house price performance across the South is traditionally not an outlier region compared to the other three regions of the country, house prices across the West are historically more volatile.

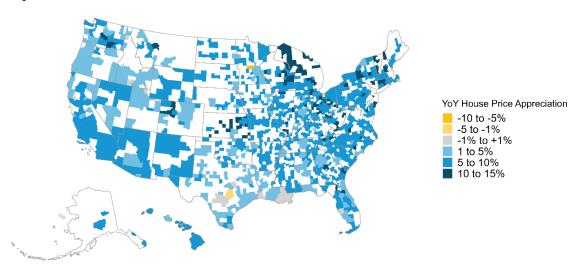
Year over Year House Price Appreciation by Region



Source: Black Knight and Urban Institute Calculations.

January 2024

Year over Year House Price Appreciation by Metro and Micropolitan Areas



Source: Black Knight and Urban Institute Calculations.

Note: Data as of January 2024

OVERVIEW HOMEOWNERSHIP RATES

In the fourth quarter of 2023, the homeownership rate was at 65.7 percent, close to the rates in the third quarter of 2023, 66.0 percent, and the fourth quarter of 2022, 65.9 . After falling to 62.9 percent in the second quarter of 2016, the homeownership rate has begun to recover, but remains 3.3 percentage points below its first quarter of 2005 peak of 69.0 percent. By age groups, senior households are more likely to be homeowners relative to younger households. In addition, the homeownership rate for households 65 years old and above is closest to its 2000s peak levels. By race and ethnicity, white households are more likely to be homeowners relative to households of color. However, the homeownership rate among Hispanic households is closest to returning to its 2000s peak.

Overall Homeownership Rate



Source: Moody's Analytics, U.S. Census Bureau (BOC) and Urban Institute Calculations. **Note**: Data from 2020 and 2021 is poor due to low response rates during the pandemic.

December 2023

Homeownership by Owner Age

1995 1997 2000 2002 2005 2007 2010

90.0%

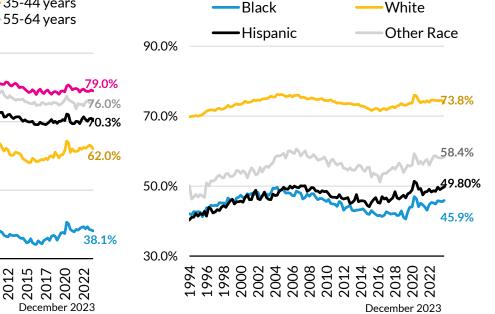
70.0%

50.0%

30.0%

Less than 35 years 45-54 years 55-64 years 65 years and over

Homeownership Rate by Race/Ethnicity

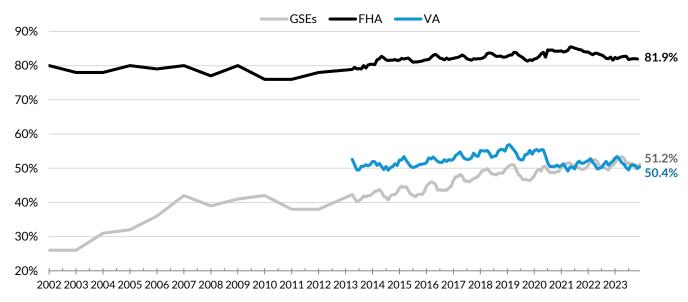


Source: U.S. Census Bureau (BOC) and Urban Institute Calculations.

FIRST-TIME HOMEBUYERS

First-Time Homebuyer Share

In November 2023, the FTHB share for FHA, which has always been more focused on first time homebuyers, was 81.9 percent. The FTHB share of GSE lending in December was 51.2 percent; the VA share was 50.4 percent. The bottom table shows that based on mortgages originated in December 2023, the average FTHB was more likely than an average repeat buyer to take out a smaller loan, have a lower credit score, and have a higher LTV.



Sources: eMBS, Federal Housing Administration (FHA), and Urban Institute.

Note: All series measure the first-time homebuyer share of purchase loans for principal residences.

November 2023

Comparison of First-Time and Repeat Homebuyers, GSE and FHA Originations

	GSEs		FH	A	GSEs and FHA		
Characteristics	First-time	Repeat	First-time	Repeat	First-time	Repeat	
Loan Amount (\$)	\$334,887	\$355,831	\$315,143	\$325,374	\$328,362	\$358,532	
Credit Score	750	761	689	690	723	746	
LTV (%)	84	75	94	92	89	80	
DTI (%)	38	39	45	47	41	41	
Loan Rate (%)	7.14	7.14	6.80	6.76	6.98	7.02	

Sources: eMBS and Urban Institute.

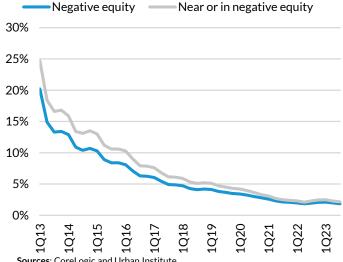
Note: Based on owner-occupied purchase mortgages originated in December 2023.

STATE OF THE MARKET

DELINQUENCIES AND LOSS MITIGATION ACTIVITY

The share of loans in and near negative equity decreased slightly from 2.3 percent in Q2 2023 to 2.2 percent in Q3. In the third quarter of 2023, the composition of loans in or near negative equity consisted of approximately 1.8 percent with negative equity, and 0.3 percent between zero and 5 percent equity. The share of loans that are 90 days or more delinquent or in foreclosure increased by 5 basis points, from 1.47 percent in Q3 2023 to 1.52 percent in Q4 2023. This reflects the first increase in the share of mortgages 90 or more days delinquent since 2020; the foreclosure rate is marginally lower than the previous quarter. Serious delinquencies include loans where borrowers have missed their payments, including loans in COVID-19 forbearance. The bottom chart shows the share of loans in forbearance according to the MBA Weekly Forbearance and Call Volume Survey, launched in March 2020. After peaking at 8.55 percent in early June 2020, the total forbearance rate declined to 2.06 percent as of October 31st, 2021, the final week of the call survey. The MBA has since moved to conducting a monthly survey with the most recent forbearance rate decreasing 1 basis point to 0.22 percent as of January 31, 2024. GSE loans have consistently had the lowest forbearance rates, standing at 0.15 percent at the end of January. The most recent forbearance rate for Other (e.g., portfolio and PLS) loans was 0.28 percent; Ginnie Mae loans had the highest forbearance rate at 0.39 percent.

Negative Equity Share



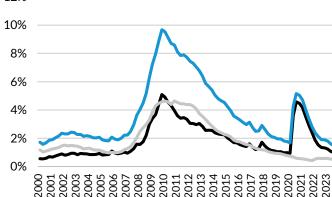
Note: Loans with negative equity refer to loans above 100 percent LTV. Loans near negative equity refer to loans above 95 percent LTV. Last updated

Sources: CoreLogic and Urban Institute.

Loans in Serious **Delinquency/Foreclosure**

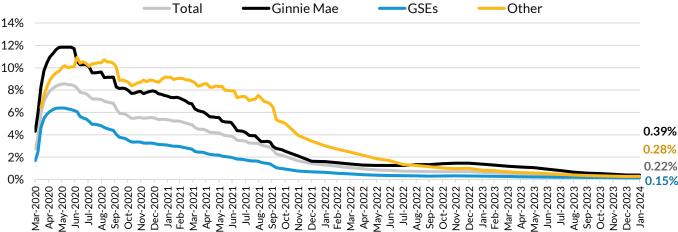
Percent of loans 90 days or more delinquent Percent of loans in foreclosure Percent of loans 90 days or more delinquent or in foreclosure





Sources: Mortgage Bankers Association and Urban Institute. Last updated for December 2023. Q4 2023

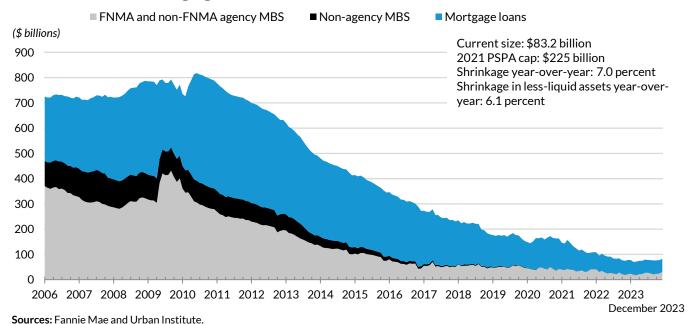




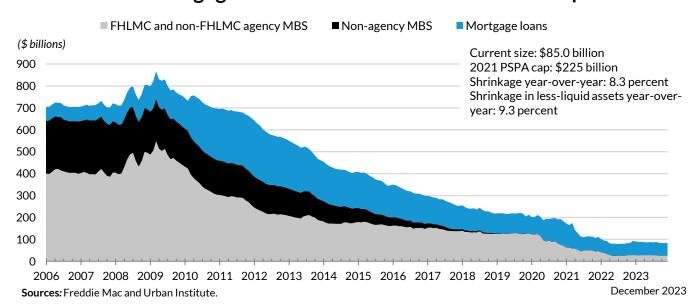
GSES UNDER CONSERVATORSHIP GSE PORTFOLIO WIND-DOWN

The Fannie Mae and Freddie Mac portfolios remain well below the \$225 billion cap mandated in January 2021 by the new Preferred Stock Purchase Agreements (PSPAs), at \$83.2 and \$85.0 billion, respectively. From December 2022 to December 2023, the Fannie and Freddie portfolios shrank by 7.0 and 8.3 percent, respectively. Within the portfolio, Fannie Mae and Freddie Mac contracted their less-liquid assets (mortgage loans, non-agency MBS), by 6.1 and 9.3 percent, respectively, over the same 12-month period.

Fannie Mae Mortgage-Related Investment Portfolio Composition



Freddie Mac Mortgage-Related Investment Portfolio Composition



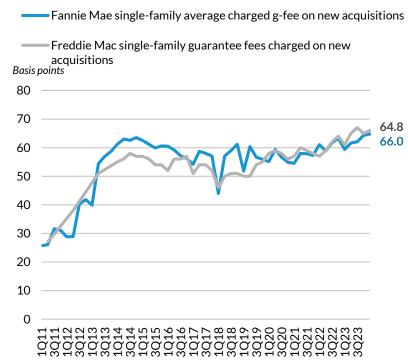
GSES UNDER CONSERVATORSHIP

EFFECTIVE GUARANTEE FEES

Guarantee Fees Charged on New Acquisitions

Fannie Mae's average g-fees charged on new acquisitions increased from 64.3 basis points in Q3 2023 to 64.8 basis points in Q4 2023. Freddie's increased from 65.0 basis points in Q3 2023 to 66.0 basis points in Q4 2023. Today's g-fees are markedly higher than g-fee levels in 2011 and 2012, contributing to the GSEs' earnings amid sharp drops in acquisition volume. The bottom table shows Fannie Mae LLPAs, which are expressed as upfront charges. In October 2022, the GSEs announced the elimination of LLPAs for loans to FTHB's earning up to the AMI, affordable mortgage products such as Home Possible and Home Ready, and for loans supporting the Duty to Serve program. In January 2023, the GSEs released an updated LLPA Adjustment Matrix, effective May 1, 2023.

Sources: Fannie Mae, Freddie Mae and Urban Institute. *Data as of Q4 2023.*



Fannie Mae Upfront Loan-Level Price Adjustments (LLPAs)

		LTV (%)							
Credit Score	≤60	30.01 - 60	60.01 - 70	70.01 - 75	75.01 - 80	80.01 - 85	85.01 - 90	90.01 - 95	>95
> 779	0.000	0.000	0.000	0.500	0.375	0.375	0.250	0.250	0.125
760 - 779	0.000	0.000	0.000	0.250	0.625	0.625	0.500	0.500	0.250
740 - 759	0.000	0.000	0.125	0.375	0.875	1.000	0.750	0.625	0.500
720 - 739	0.000	0.000	0.250	0.750	1.250	1.250	1.000	0.875	0.750
700 - 719	0.000	0.000	0.375	0.875	1.375	1.500	1.250	1.125	0.875
680 - 699	0.000	0.000	0.625	1.125	1.750	1.875	1.500	1.375	1.125
660 - 679	0.000	0.000	0.750	1.375	1.875	2.125	1.750	1.625	1.250
640 - 679	0.000	0.000	1.125	1.500	2.250	2.500	2.000	1.875	1.500
< 640	0.000	0.125	1.500	2.125	2.750	2.875	2.625	2.250	1.750

GSES UNDER CONSERVATORSHIP GSE RISK-SHARING TRANSACTIONS

Fannie Mae and Freddie Mac have been laying off back-end credit risk through CAS/STACR and reinsurance transactions and front-end risk via originators, reinsurers and mortgage insurers. Since 2014, the GSEs have transferred the bulk of the credit risk on most of their mortgages to the private markets. Fannie Mae's CAS issuances since inception total \$2.15 trillion; Freddie's STACR totals \$2.63 trillion. After the COVID-19 spread widening in March 2020, and the re-proposed capital rules released by FHFA shortly thereafter, Fannie Mae did not issue any deals from Mar 2020 to Sep 2021, while Freddie Mac continued to issue. With the changes in the final Capital Rule more CRT friendly, and more positive attitude toward CRT at FHFA, Fannie resumed CAS issuance in October 2021. As originations were more limited in 2023, CRT volume is substantially lower than in prior years.

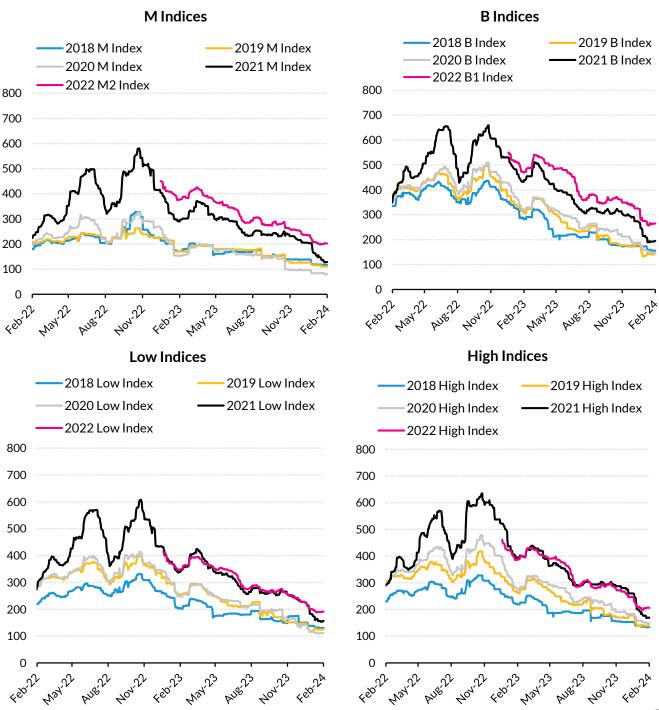
Fannie Mae – Connecticut Avenue Securities (CAS)								
Date	Transaction	Reference Pool Size (\$ m) Amount Issued (\$m)		% of Reference Pool Covered				
2013	CAS 2013 deals	\$26,756	\$675	2.5				
2014	CAS 2014 deals	\$222,224	\$5,849	2.6				
2015	CAS 2015 deals	\$187,127	\$5,463	2.9				
2016	CAS 2016 deals	\$236,459	\$7,392	3.1				
2017	CAS 2017 deals	\$264,697	\$8,707	3.3				
2018	CAS 2018 deals	\$205,998	\$7,314	3.6				
2019	CAS 2019 deals	\$290,211	\$8,073	2.8				
2020	CAS 2020 deals	\$58,015	\$2,167	3.7				
2021	CAS 2021 deals	\$142,202	\$3,095	2.2				
2022	CAS 2022 deals	\$325,601	\$8,920	2.7				
January 2023	CAS 2023 - R01	\$23,101	\$731	3.2				
February 2023	CAS 2023 - R02	\$20,647	\$709	3.4				
April 2023	CAS 2023 - R03	\$38,969	\$622	1.6				
May 2023	CAS 2023 - R04	\$21,404	\$765	3.6				
June 2023	CAS 2023 - R05	\$20,734	\$738	3.6				
July 2023	CAS 2023 - R06	\$20,781	\$766	3.7				
October 2023	CAS 2023 - R07	\$26,505	\$536	2.0				
November 2023	CAS 2023 - R08	\$19,356	\$573	3.0				
January 2024	CAS 2024 - R01	\$19,674	\$752	3.8				
Total		\$2,150,787	\$63,095	2.9				

Freddie Mac – Structured Agency Credit Risk (STACR)								
Date	Transaction	Transaction Reference Pool Size (\$ m)		% of Reference Pool Covered				
2013	STACR 2013 deals	\$57,912	\$1,130	2.0				
2014	STACR 2014 deals	\$147,120	\$4,916	3.3				
2015	STACR 2015 deals	\$179,196	\$6,658	3.7				
2016	STACR 2016 deals	\$183,421	\$5,541	3.0				
2017	STACR 2017 deals	\$248,821	\$5,663	2.3				
2018	STACR 2018 deals	\$243,007	\$6,055	2.5				
2019	STACR 2019 deals	\$181,753	\$5,807	3.2				
2020	STACR 2020 deals	\$403,591	\$10,372	2.6				
2021	STACR 2021 deals	\$574,706	\$11,024	1.9				
2022	STACR 2022 deals	\$327,773	\$11,203	3.4				
March 2023	STACR Series 2023 - DNA1	\$15,167	\$611	4.0				
April 2023	STACR Series 2023 - DNA2	\$18,242	\$762	4.2				
May 2023	STACR Series 2023 - HQA1	\$13,876	\$317	2.3				
June 2023	STACR Series 2023 - HQA2	\$17,440	\$512	2.9				
November 2023	STACR Series 2023 - HQA3	\$23,069	\$636	2.8				
February 2024	STACR Series 2024 - DNA1	\$18,798	\$572	3.0				
Total		\$2,653,892	\$71,779	2.7				

GSES UNDER CONSERVATORSHIP

GSE RISK-SHARING INDICES

The figures below show the spreads on 2018, 2019, 2020, 2021 and 2022 indices, as priced by dealers. The spread between 2021 indices and previous vintages 2018-2020 widened from February through November 2022 and remained wide through 2023, but not to the same degree of widening that took place during the pandemic. Since December 2023, 2021 indices dropped to align more with previous vintages. However, 2022 indices remain elevated compared to 2018-2021 indices. This pattern reflects lower embedded home price appreciation and therefore higher credit risk on newer vintages.

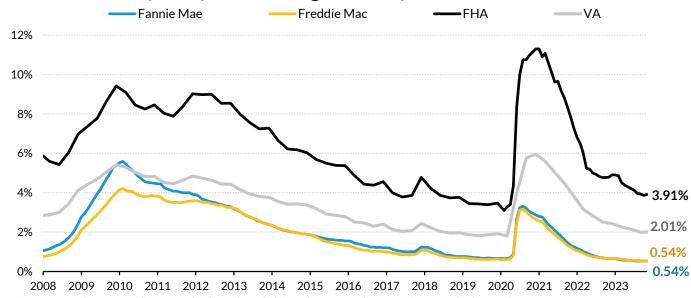


Sources: Vista Data Services and Urban Institute. **Note**: Data as of February 15, 2024.

SERIOUS DELINQUENCY RATES

Serious delinquency rates for single family loans have declines to pre-pandemic levels, and seasonal trends now govern changes in delinquencies. In November 2023 Fannie Mae and Freddie Mac single-family loans both held steady at 0.54 percent. Serious delinquency rates for FHA loans, which are higher than those on GSE or VA loans, increased from 3.86 percent in Octoberr 2023 to 3.91 percent in November 2023. In Q4 2023, VA serious delinquency rates increased to 2.01 percent from 1.99 percent in Q3 2023. Note that loans that are in forbearance are counted as delinquent for the purpose of measuring delinquency rates. Serious delinquency rates on Fannie and Freddie multifamily loans have risen since 2022. In December 2023, Fannie Mae's serious multifamily delinquency rate sits at 0.46 percent, down from 0.54 percent in September. Freddie Mac's serious delinquency rate continues to climb to 0.28 percent in December.

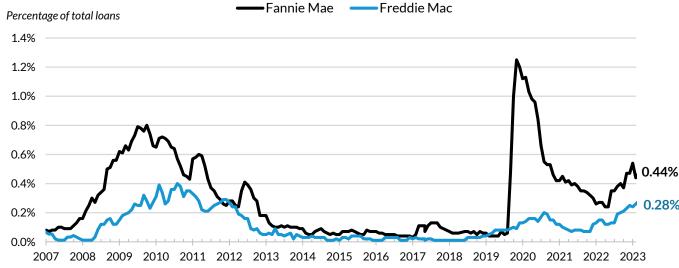
Serious Delinquency Rates-Single-Family Loans



Sources: Fannie Mae, Freddie Mac, Federal Housing Administration, MBA Delinquency Survey and Urban Institute.

Note: Serious delinquency is defined as 90 days or more past due or in the foreclosure process. Not seasonally adjusted. VA delinquencies are reported on a quarterly basis, last updated for Q4 2023. GSE and FHA delinquencies are reported monthly, data as of November 2023.

Serious Delinquency Rates-Multifamily GSE Loans



Sources: Fannie Mae, Freddie Mac and Urban Institute.

December 2023

AGENCY GROSS AND NET ISSUANCE

Agency gross issuance totaled \$70.2 billion in January 2024, \$42.5 billion by the GSEs and \$27.6 billion by Ginnie Mae. These levels are down 9.7 percent from January 2023 issuance activity. Total 2023 net issuance (new securities issued less the decline in outstanding securities due to principal paydowns or prepayments) outpaces 2023 levels. Both the GSEs and Ginnie Mae have been stronger todate as the \$44.0 billion issued in 2024 exceeds the \$16.0 billion issued in January 2023.

Agency Gross Issuance

Agency Net Issuance

Issuance Year	GSEs	Ginnie Mae	Total	Issuance Year	GSEs	Ginnie Mae	Total
2003	\$1,874.9	\$213.1	\$2,088.0	2003	\$334.90	-\$77.60	\$257.30
2004	\$872.6	\$119.2	\$991.9	2004	\$82.50	-\$40.10	\$42.40
2005	\$894.0	\$81.4	\$975.3	2005	\$174.20	-\$42.20	\$132.00
2006	\$853.0	\$76.7	\$929.7	2006	\$313.60	\$0.20	\$313.80
2007	\$1,066.2	\$94.9	\$1,161.1	2007	\$514.90	\$30.90	\$545.70
2008	\$911.4	\$267.6	\$1,179.0	2008	\$314.80	\$196.40	\$511.30
2009	\$1,280.0	\$451.3	\$1,731.3	2009	\$250.60	\$257.40	\$508.00
2010	\$1,003.5	\$390.7	\$1,394.3	2010	-\$303.20	\$198.30	-\$105.00
2011	\$879.3	\$315.3	\$1,194.7	2011	-\$128.40	\$149.60	\$21.20
2012	\$1,288.8	\$405.0	\$1,693.8	2012	-\$42.40	\$119.10	\$76.80
2013	\$1,176.6	\$393.6	\$1,570.1	2013	\$69.10	\$87.90	\$157.00
2014	\$650.9	\$296.3	\$947.2	2014	\$30.5	\$61.6	\$92.1
2015	\$845.7	\$436.3	\$1,282.0	2015	\$75.1	\$97.3	\$172.5
2016	\$991.6	\$508.2	\$1,499.8	2016	\$127.4	\$125.8	\$253.1
2017	\$877.3	\$455.6	\$1,332.9	2017	\$168.5	\$131.3	\$299.7
2018	\$795.0	\$400.6	\$1,195.3	2018	\$149.4	\$112.0	\$261.5
2019	\$1,042.6	\$508.6	\$1,551.2	2019	\$197.8	\$95.7	\$293.5
2020	\$2,407.5	\$775.4	\$3,182.9	2020	\$632.8	\$19.9	\$652.7
2021	\$2,650.8	\$855.3	\$3,506.1	2021	\$753.5	\$5.6	\$759.1
2022	\$1,200	\$527.4	\$1,727.4	2022	\$276.6	\$133.3	\$409.3
2023	\$637.9	\$382.9	\$1,020.7	2023	\$38.0	\$174.0	\$212.0
2024 YTD	\$42.5	\$27.6	\$70.2	2024 YTD	\$30.0	\$14.0	\$44.0
YTD 2024 % Change Over 2023	-14.9%	-0.3%	-9.7%	YTD 2024 % Change Over 2023	87.5%	42.2%	175.0%
2024 Annualized	\$42.5	\$27.6	\$70.2	2024 Annualized	\$30.0	\$14.0	\$44.0

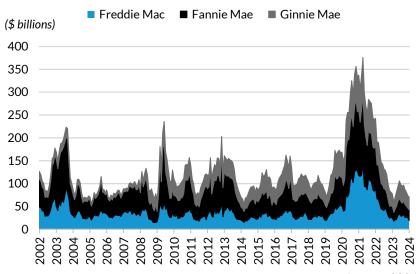
Sources: eMBS and Urban Institute.

Note: Dollar amounts are in billions. Data as of January 2024.

AGENCY GROSS ISSUANCE & FED PURCHASES

Agency issuances by the GSEs and Ginnie Mae totaled 70.2 billion in January 2024, 9.7 percent lower than volume in January 2023. While FHA, VA and GSE lending have dominated the mortgage market since the 2008 housing crisis, there has been a change in the mix. The Ginnie share of new issuances has risen from a pre-crisis level of 10-12 percent to 34.8 percent in February 2020, reflecting gains in both purchase and refinance shares. The Ginnie share then declined to a low of 20.4 percent in November 2020, reflecting the more robust ramp up in GSE refinances relative to Ginnie Mae refinances. The Ginnie share increased substantially as refinance dropped, reaching a high of 40.8 percent in November 2022. The Ginnie share is 39.4 percent in January 2024, still high by historical standards.

Monthly Gross Issuance

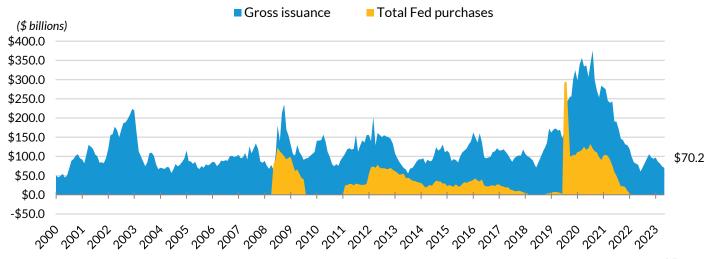


Source: eMBS and Urban Institute Calculations

January 2024

Fed Absorption of Agency Gross Issuance

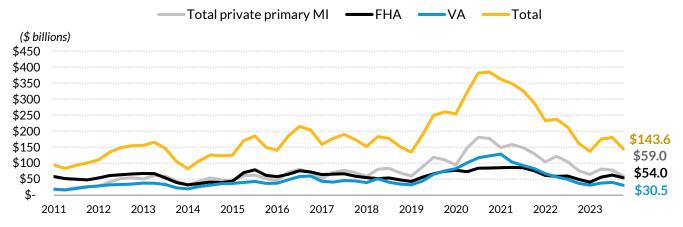
In the third quarter of 2023, agency MBS on the Federal Reserve's balance sheet totaled \$2.48 trillion, down from \$2.70 trillion in Q3 2022. The Fed's purchases of agency MBS dropped to \$0 in November 2022 and has remained negligible since, reflecting their policy of allowing paydowns up to \$35 billion to run off. Beginning in June 2022, the Fed allowed up to \$17.5 billion to run off each month; the cap on runoffs increased to \$35 billion per month in September 2022. The Federal Reserve's portfolio was a critical policy tool during the pandemic. In March of 2020, the Fed announced they would buy mortgages in an amount necessary to support smooth functioning markets; March and April of 2020 were the largest two months of mortgage purchases ever and exceeded total issuance. Once the market stabilized, the Fed began to purchase \$40 billion net of MBS each month; this buying plus runoff replacements equated to purchases of \$100 to \$125 billion per month. In November 2021, the Fed began to reduce purchases, with these purchases ending in March 2022.



MORTGAGE INSURANCE ACTIVITY

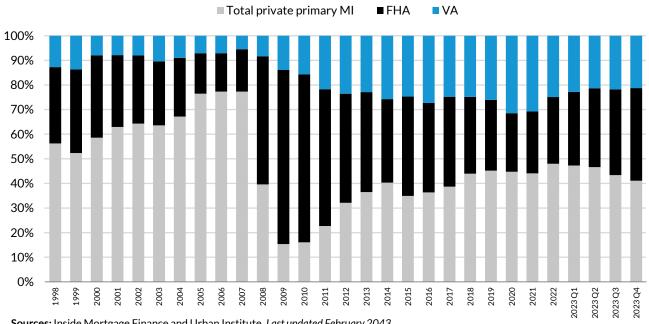
MI Activity

Total mortgage insurance written decreased by \$36.8 billion to \$143.5 billion from Q3 to Q4 of 2023. The FHA and VA insurance activity decreased by \$8.7 and \$8.8 billion, respectively, while private insurance activity decreased by \$19.2 billion. The private mortgage insurers share decreased from 43.4 to 41.1 percent. FHA's share increased from 34.8 to 37.6 percent and VA's share decreased marginally from 21.8 to 21.3 percent.



Sources: Inside Mortgage Finance and Urban Institute. Last updated February 2024.

MI Market Share



Sources: Inside Mortgage Finance and Urban Institute. Last updated February 2043.

MORTGAGE INSURANCE ACTIVITY

FHA premiums rose significantly in the years following the housing crash, with annual premiums rising from 50 to 135 basis points between 2008 to 2013 as FHA worked to shore up its finances. In January 2015, President Obama announced a 50 basis points cut in annual insurance premiums. In February 2023, Vice President Harris announced another 30 basis points cut to FHA insurance premiums, making FHA mortgages more attractive than GSE mortgages for the overwhelming majority of borrowers putting down less than 5%. As shown in the bottom table, a borrower putting 3.5 percent down with a FICO score less than 760 will currently find FHA financing to be more financially attractive, borrowers with FICOs of 760 and above will find GSE execution with PMI to be more attractive. This calculation reflects both the FHA MIP cut and the more favorable GSE LLPAs for LMI borrowers.

FHA MI Premiums for Typical Purchase Loan

Case number date	Upfront mortgage insurance premium (UFMIP) paid	Annual mortgage insurance premium (MIP)
1/1/2001 - 7/13/2008	150	50
7/14/2008 - 4/5/2010*	175	55
4/5/2010 - 10/3/2010	225	55
10/4/2010 - 4/17/2011	100	90
4/18/2011 - 4/8/2012	100	115
4/9/2012 - 6/10/2012	175	125
6/11/2012 - 3/31/2013 ^a	175	125
4/1/2013 - 1/25/2015 ^b	175	135
1/26/2015 - 3/19/2023 ^c	175	85
Beginning 3/20/2023	175	55

Sources: Ginnie Mae and Urban Institute.

Note: A typical purchase loan has an LTV over 95 and a loan term longer than 15 years. Mortgage insurance premiums are listed in basis points.

Initial Monthly Payment Comparison: FHA vs. GSE with PMI

Assumptions							
Property Value	\$300,000						
Loan Amount	\$289,500						
LTV	96.5						
Base Rate							
Conforming Base Rate	6.87						
FHA Base Rate	6.62						

FICO	620 - 639	640 - 659	660 - 679	680 - 699	700 - 719	720 - 739	740 - 759	760 +
FHA MI Premiums								
FHA UFMIP	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
FHA MIP	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
PMI								
PMI Annual MIP	1.50%	1.31%	1.23%	0.98%	0.79%	0.70%	0.58%	0.46%
Monthly Payment								
FHA	\$2,064	\$2,064	\$2,064	\$2,064	\$2,064	\$2,064	\$2,064	\$2,064
GSE plus PMI	\$2,288	\$2,242	\$2,223	\$2,162	\$2,117	\$2,095	\$2,066	\$2,037
GSE plus PMI Advantage	-\$223	-\$178	-\$158	-\$98	-\$52	-\$30	-\$2	\$27

Sources: Enact Mortgage Insurance, Ginnie Mae, and Urban Institute. FHA and 30-year conforming rates from MBA Weekly Applications Survey.

Note: Rates as of February 9, 2024.

Mortgage insurance premiums listed in percentage points. Grey shade indicates FHA monthly payment is more favorable, while blue indicates PMI is more favorable.

while blue indicates PMI is more favorable.

The PMI monthly payment calculation is based on the 25 percent coverage that applies to Fannie Mae's HomeReady and Freddie

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^{*} For a short period in 2008 the FHA used a risk based FICO/LTV matrix for MI.

 $^{^{3}}$ Applies to purchase loans less than or equal to 625,500. Those over that amount have an annual premium of 150 bps.

 $^{^{5}}$ Applies to purchase loans less than or equal to \$625,500. Those over that amount have an annual premium of 155 bps.

Applies to purchase loans less than or equal to \$625,500. Those over that amount have an annual premium of 105 bps.

Homeownership Rates

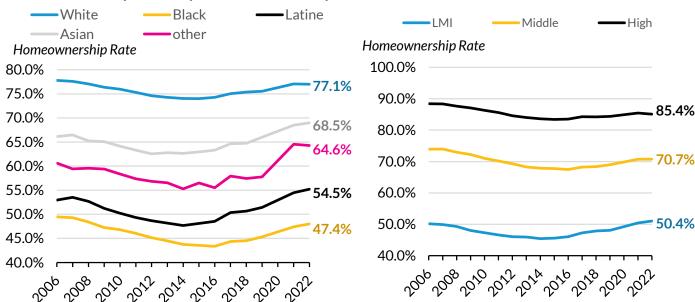
The national homeownership rate increased by 1.9 percentage points from 2019 to 2022 due to low interest rates (page 9), and high purchase activity (page 20) during the COVID-19 pandemic. Homeownership rates increased more for low-to-moderate income households at 2.9 percentage points than high-income households at 0.6 percentage points. White households experienced the lowest percentage point increase in homeownership at 1.5 percentage points.

Change in Homeownership Rates by Income and Race and Ethnicity

	Income	White	Black	Latine	Asian	Other	National
	LMI	59.5%	30.6%	35.8%	48.2%	38.2%	48.1%
2019	Middle	75.9%	54.8%	57.1%	63.0%	61.5%	69.0%
2019	High	87.9%	73.7%	74.9%	80.0%	79.0%	84.4%
	Total	75.5%	45.3%	51.4%	66.0%	57.8%	66.5%
	LMI	62.4%	32.7%	39.5%	51.3%	45.4%	51.0%
	Middle	77.6%	57.5%	59.7%	67.2%	67.0%	70.8%
2022	High	88.7%	75.1%	76.8%	81.8%	82.8%	85.0%
	Total	77.0%	48.0%	55.2%	69.0%	64.3%	68.4%
	LMI	2.9%	2.1%	3.7%	3.1%	7.2%	2.9%
Difference	Middle	1.7%	2.7%	2.6%	4.2%	5.5%	1.8%
	High	0.8%	1.4%	1.9%	1.8%	3.8%	0.6%
	Total	1.5%	2.7%	3.8%	3.0%	6.5%	1.9%

Homeownership Rates by Race and Ethnicity

Homeownership Rate by Household income



Source: American Community Survey 2006-2022 and Urban Institute Calculations. **Note**: Area Median Income (AMI) is median household income in the MSA. Low-to-Moderate Income (LMI) is ≤80% AMI, Middle is 80-120% AMI, High is >120% AMI.

Change in Occupied Housing Units

The number of total occupied units increased 10.9 percent from 2011 to 2022, outpacing gains in the previous eleven years. The greatest percent change of 23.8 percent was in owner-occupied units in 5+ unit multifamily buildings. The number of renter-occupied single-family units declined from 2011 to 2022 by 2.4 percent while the owner-occupied count increased by 14.8 percent, reflecting the increase in the homeownership rate. The number of occupied units in 2-4-unit buildings decreased from 2000-2011 and has not recovered. Manufactured housing is similarly disappearing with declines in the manufactured home share of occupied units, homeownership rate and number of units.

Percent Change in Occupied Housing Units

		Single Family	2-4 Units	5+ Multifamily	Manufactured /Mobile Home	Total
All Occupied	2000-2011	8.4%	-6.9%	5.1%	-11.1%	5.4%
Units	2011-2022	11.5%	2.7%	18.3%	-2.3%	10.9%
Renter	2000-2011	29.1%	-3.4%	3.8%	21.2%	12.4%
Occupied Units	2011-2022	-2.4%	0.2%	17.6%	-4.8%	4.9%
Owner	2000-2011	4.5%	-21.0%	17.1%	-19.8%	2.2%
Occupied Units	2011-2022	14.8%	14.7%	23.8%	-1.3%	13.9%

Distribution of Occupied Housing Units

	Single Family	2-4 Units	5+ Multifamily	Manufactured, Mobile Home	, Total
2000	71.7%	8.2%	13.1%	6.9%	100%
2011	73.8%	7.2%	13.1%	5.8%	100%
2022	74.2%	6.7%	13.9%	5.1%	100%

Homeownership rate by Property Type

				Manufactured/		
	Single Family	2-4 Units	5+ Multifamily	Mobile Home	Total	
2000	84.0%	20.0%	9.6%	78.7%	68.6%	
2011	81.0%	17.0%	10.7%	71.0%	66.6%	
2022	83.3%	18.9%	11.2%	71.8%	68.4%	

Cost of Rent by Property Type

Over 60 percent of all renters have low-to-moderate incomes relative to their MSA. Renters in manufactured homes are most likely to have low-to-moderate incomes, followed by renters of units in 2-4-unit buildings and renters in larger multifamily buildings. Renters of single-family homes have the highest incomes of all property types. Renters of manufactured homes are least likely to be cost burdened, reflecting the fact that while incomes are low, rents are low relative to incomes, while renters in multifamily buildings with 5 or more units are most likely to be cost burdened. The share of cost burdened renters in 2022 was higher than in 2017 but lower than in 2012.

Income Distribution of Renter Households by Property Type

Year	Property Type	LMI	Middle	High	Total
	Single Family	59%	20%	20%	100%
	2-4 Units	73%	16%	11%	100%
2007	5+ Multifamily	73%	16%	12%	100%
	Manufactured/Mobile Home	73%	16%	11%	100%
	Total	67%	18%	15%	100%
	Single Family	56%	20%	24%	100%
	2-4 Units	73%	15%	12%	100%
2012	5+ Multifamily	71%	15%	14%	100%
	Manufactured/Mobile Home	73%	15%	11%	100%
	Total	65%	17%	18%	100%
	Single Family	55%	21%	24%	100%
	2-4 Units	70%	16%	13%	100%
2017	5+ Multifamily	69%	16%	15%	100%
	Manufactured/Mobile Home	72%	17%	11%	100%
	Total	63%	18%	18%	100%
	Single Family	55%	21%	24%	100%
	2-4 Units	69%	17%	14%	100%
2022	5+ Multifamily	68%	17%	15%	100%
	Manufactured/Mobile Home	71%	17%	12%	100%
	Total	63%	18%	19%	100%

Share of Renters Cost Burdened

	Single Family	2-4 Units	5+ Multifamily	Manufactured/ Mobile Home	Total
2007	31%	38%	40%	24%	35%
2012	34%	43%	44%	30%	39%
2017	31%	39%	43%	26%	37%
2022	32%	40%	45%	26%	38%

Source: American Community Survey and Urban Institute Calculations. **Note:** A renter is considered cost burdened when paying at least 30 percent of their monthly income on rent.

Homeownership Costs by Property type

Single-family homeowners have the highest incomes, followed by small multifamily building units and apartment unit owners. Manufactured homeowners are most likely to have low-to-moderate incomes. Owners of units in 2-4-unit buildings have the highest cost burden. The share of cost burdened homeowners is similar in 2022 to the level in 2017 and lower than the previous decade. By property type, the cost burdened share of homeowners in 2-4-unit buildings decreased since 2017, however the cost burdened share for units in larger apartment buildings and manufactured housing is higher.

Income Distribution of Homeowner Households by Property Type

	. , ,,				
Year	Property Type	LMI	Middle	High	Total
	Single Family	27%	22%	52%	100%
	2-4 Units	42%	24%	34%	100%
2007	5+ Multifamily	42%	21%	37%	100%
	Manufactured/Mobile Home	55%	22%	22%	100%
	Total	29%	22%	49%	100%
	Single Family	26%	20%	53%	100%
	2-4 Units	41%	22%	37%	100%
2012	5+ Multifamily	41%	19%	40%	100%
	Manufactured/Mobile Home	57%	21%	23%	100%
	Total	29%	20%	51%	100%
	Single Family	27%	20%	53%	100%
	2-4 Units	40%	21%	39%	100%
2017	5+ Multifamily	41%	19%	40%	100%
	Manufactured/Mobile Home	56%	21%	22%	100%
	Total	29%	20%	50%	100%
	Single Family	28%	21%	51%	100%
	2-4 Units	41%	20%	39%	100%
2022	5+ Multifamily	43%	19%	38%	100%
	Manufactured/Mobile Home	57%	21%	22%	100%
	Total	30%	21%	49%	100%

Share of Homeowners Cost Burdened

	Single Family	2-4 Units	5+ Multifamily	Manufactured/ Mobile Home	Total
2007	29%	48%	36%	24%	29%
2012	25%	44%	33%	24%	25%
2017	19%	34%	27%	20%	20%
2022	19%	32%	29%	22%	20%

Source: American Community Survey and Urban Institute Calculations **Note:** Homeowners are considered cost burdened if they pay 30 percent or more of their monthly income on their mortgage payment, taxes, insurance and utilities.

RELATED HFPC WORK

PUBLICATIONS AND EVENTS

See our <u>events page</u> for more information on other upcoming and past events.

Projects

Home Ownership Means Equity (HOME) Initiative: Call for Papers on Advancing Latino Homeownership Wealth Opportunities Realized through Homeownership State Data to Target Homeowner Assistance Fund Dollars

The Mortgage Servicing Collaborative

Housing Credit Availability Index (HCAI)

<u>Home Mortgage Disclosure Act Projects</u>

Mortgage Markets COVID-19 Collaborative

Reducing the Racial Homeownership Gap

Monthly Chartbooks

Data Tools Available Online

<u>Tracking Rent Payments to Mom-and-Pop Landlords</u> <u>Tracking Homeownership Wealth Gaps</u>

Publications

<u>Launching the WORTH Initiative to Create New</u> <u>Homeowners of Color</u>

Authors: Corianne Payton Scally, Michael Neal, Lydia Lo, Violet Sulka/Hewes, Matthew Pruitt, Ilina Mitra, Jung Choi

Date: February 14, 2024

ITIN Mortgages: Barriers and Opportunities to Advance Latino Homeownership

Authors: Laurie Goodman, Aniket Mehrotra, Amalie Zinn

Date: February 12, 2024

<u>Subcommittee Hearing on Artificial Intelligence and</u> Housing: Exploring Promise and Peril

Authors: Michael Neal, Linna Zhu, Matthew Pruitt

Date: February 2, 2024

<u>Landlords and Tenants of Two-to-Four Unit Buildings in</u>
<u>Chicago</u>

Authors: Daniel Pang Date: January 31, 2024

<u>Implications of Housing Conditions for Racial Wealth and Health Disparities</u>

Authors: Michael Neal, Amalie Zinn, Linna Zhu

Date: January 16, 2024

Place the Blame Where It Belongs: Lack of Housing Supply Is Largely Responsible for High Home Prices and Rents

Authors: Alexei Alexandrov, Laurie Goodman

Date: January 10, 2024

Blog Posts

Black Homeownership Increased Slightly during the Pandemic, but High Interest Rates Threaten to Further Widen Racial Homeownership Gaps

Authors: Jung Hyun Choi, Amalie Zinn, Aniket Mehrotra

Date: February 21, 2024

Expanding Down Payment Assistance Awareness Could Help More People Afford a Home

Authors: Katie Visalli, Laurie Goodman, Michael Neal

Date: December 7, 2023

More Transparency in Lender Mortgage Rates Could Make Homeownership More Affordable

Authors: Laurie Goodman, Ted Tozer, Alexei Alexandrov

Date: November 29, 2023

Rethinking Title Insurance Could Dramatically Lower Costs for Homebuyers

Authors: Laurie Goodman, Ted Tozer, Alexei Alexandrov

Date: November 29, 2023

<u>First-Generation Homebuyers Face Significant Obstacles</u> to Homeownership. To Help, Programs Can Define What "First-Generation" Means.

Authors: Aniket Mehrotra, Jung Hyun Choi, Janneke

Ratcliffe

Date: November 17, 2023

More Competition in Real Estate Broker Commission Negotiations Will Lower Costs for All

Authors: Laurie Goodman, Ted Tozer, Alexei Alexandrov

Date: November 14, 2023

Al Could Alter Mortgage Lending, but Government Leadership Is Needed

Authors: Michael Neal, Janneke Ratcliffe, Matthew Pruitt

Date: November 6, 2023

The Typical 2022 Homebuyer Spent At Least 30 Percent of Their Monthly Income on Their Mortgage

Authors: Katie Visalli, Laurie Goodman, Michael Neal

Date: November 1, 2023

Housing Market Researchers Tend to Ignore Coborrower Race. Differences In Denial Rates Suggest They Shouldn't.

Authors: John Walsh, Amalie Zinn

Date: October 16, 2023

Bank Regulators Are Taking Too Narrow a View of Mortgage Risk

Authors: Jim Parrott, Laurie Goodman

Date: September 18, 2023

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