TWENTY TWENTY TWO



December



Housing Apolate

What's Happening with Mortgage Rates?



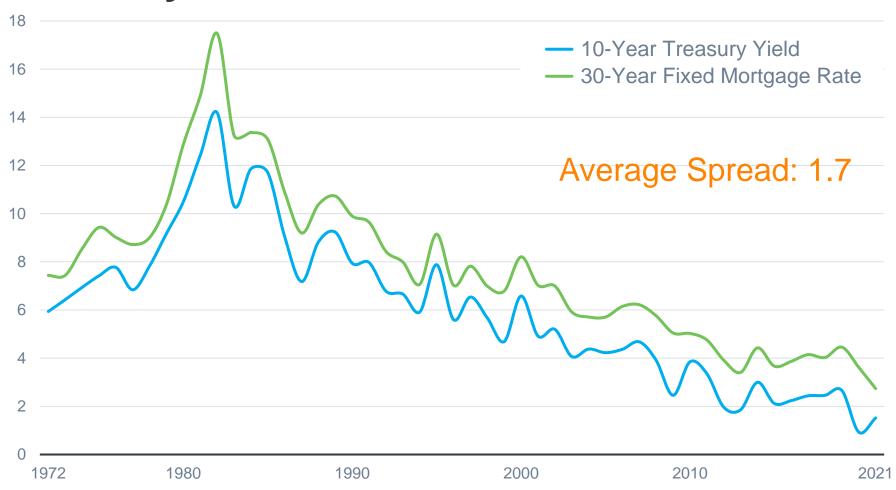




A return to a **normal spread**between the government borrowing
rate and the home purchase
borrowing rate will bring the 30-year
mortgage rates down to around 6%.

- Lawrence Yun, Chief Economist, NAR

For Almost 50 Years, the 30-Year Mortgage Rate Has Moved in Unison with the 10-Year Treasury Yield



10-Year Treasury Yield



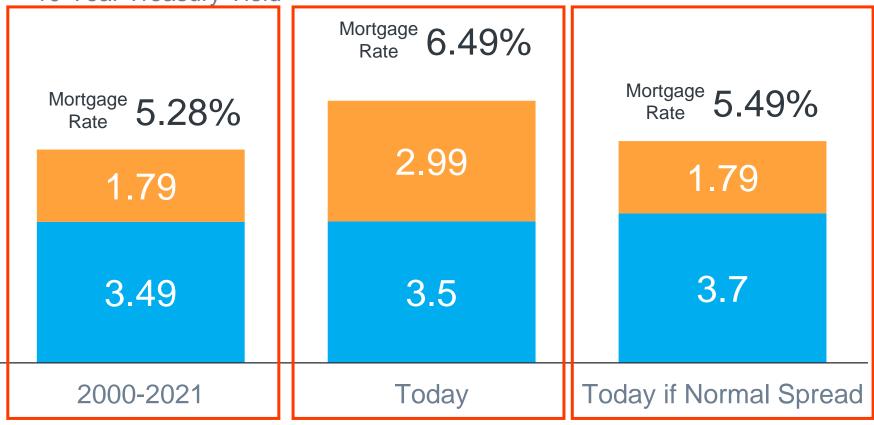
Source: WSJ

Why Are Mortgage Rates Not 5.5%?

The Increase in the Spread Above the 10-Year Yield Is Now Dramatic

Spread (Difference Between the Mortgage Rate and the 10-Year Yield)





Sources: Freddie Mac and CNBC



The housing market is expected to face continued uncertainty heading into 2023 as consumers, financial markets, and policymakers work through their respective challenges in today's economy.

- Ali Wolf, Chief Economist, Zonda



Because we see a slowdown, and we see the inflation comparisons start to become more and more favorable, you'll start to see that inflation number move lower, lower, lower, lower. And as a result, mortgage rates should move similarly on a downward trajectory—probably giving us around 5%, below 5% within the next six months.

- Barry Habib, MBS Highway

Don't Trust the Headlines Without the Proper Context



brink Uncertainty certain Look out below What happened? downgrade debt om Look out below What happened? downgrade debt of deal FALLING Stock market falls low what? Drop-off deal failure u.s. credit rating lowered Average investors suffering lowered and a plunge debt with the bill to swallow Fed speaks, market listens plunge the bill to swallow Fed speaks, market listens plunge debt l Floored again deb





#Homeowners have lost \$1.5 trillion in equity since May, as home prices drop cnb.cx/3t9VCCw @Black_KnightInc #housing #realestateinvesting

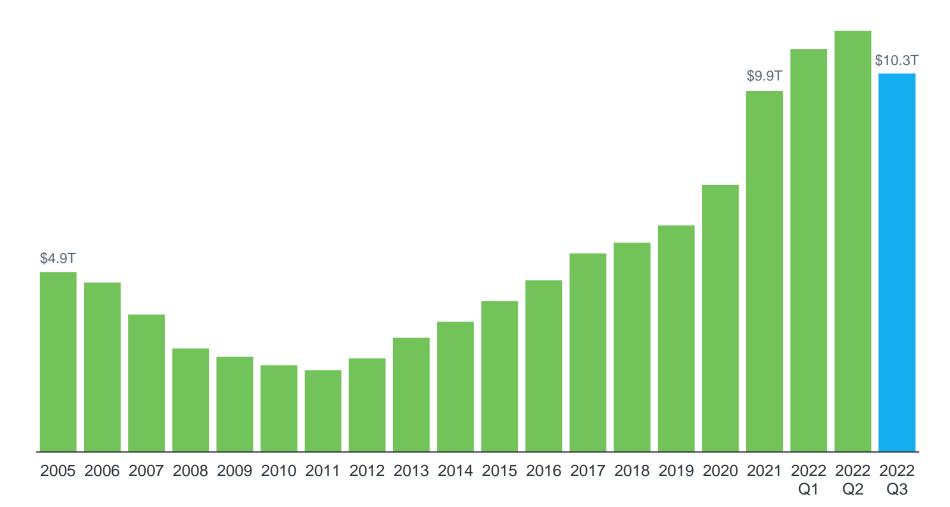


cnbc.com

Homeowners have lost \$1.5 trillion in equity since May, as home prices drop As home prices fall, homeowners are losing equity at the fastest pace in over a decade.

Drop in Tappable Equity Put in Perspective

Amount of equity available for homeowners to access before hitting a maximum 80% combined LTV in trillions still \$400M above last year



Source: Black Knight



Homeowners have very high levels of tappable home equity today, providing a cushion to withstand potential price declines, but also preventing housing distress from turning into a foreclosure. . . . the result will likely be more of a foreclosure 'trickle' than a 'tsunami.'

- Ksenia Potapov, Economist, First American, 11/15/2022



ECONOMY

Household debt soars at fastest pace in 15 years as credit card use surges, Fed report says

PUBLISHED TUE, NOV 15 2022-11:00 AM EST | UPDATED TUE, NOV 15 2022-5:37 PM EST





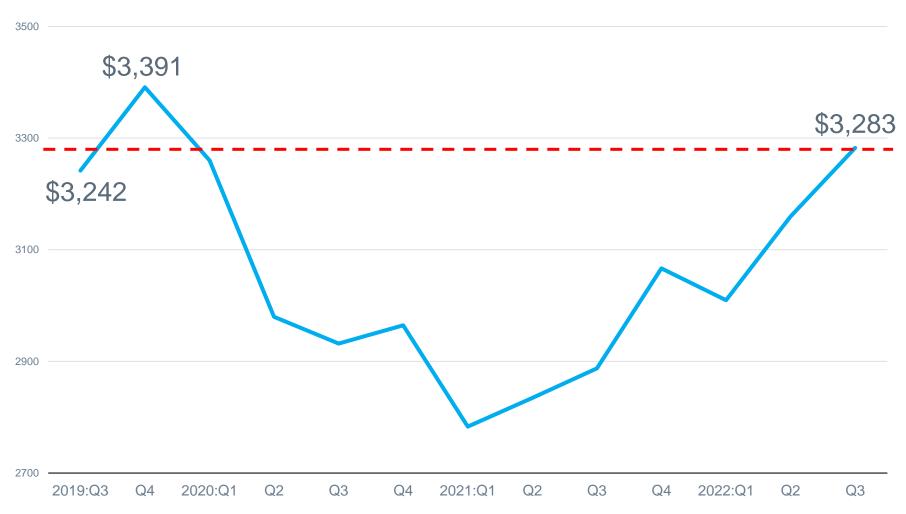
- Households increased debt at the fastest pace in 15 years due to hefty increases in credit card usage and mortgage balances.
- The credit card balance collectively rose more than 15% from the same period in 2021, the largest annual jump in more than 20 years, according to the New York Fed.
- The increase stems from "a combination of robust consumer demand and higher prices," a Fed official said.





Credit Card Balances Near 2019 Levels

Average American Credit Card Balance



Source: NY Fed

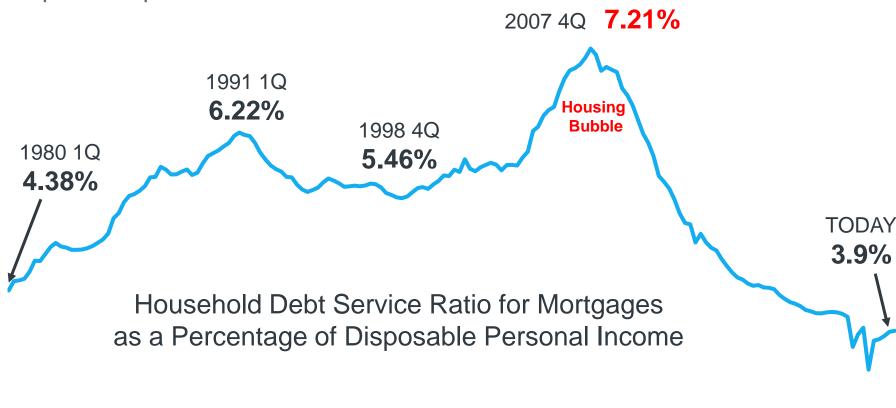


Though delinquency rates are rising they remain low by historical standards and suggest consumers are managing their finances through the period of increasing prices.

- Liberty Street Economics Blog, 11/15/2022

Mortgage Debt-To-Income Ratio near Historic Lows

Total quarterly required mortgage payments divided by total quarterly disposable personal income.



YupSOLD.com Source: The Fed

1980

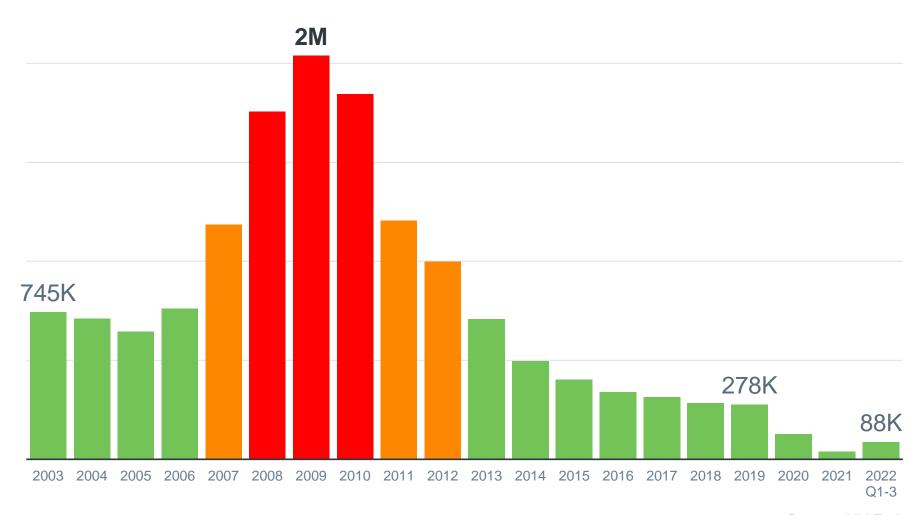


For the second quarter in a row, the mortgage delinquency rate fell to its lowest level since MBA's survey began in 1979 – declining to 3.45%. Foreclosure starts and loans in the process of foreclosure also dropped in the third quarter to levels further below their historical averages.

- Marina Walsh, VP of Industry Analysis, MBA, 11/2022

Foreclosures Up, but near Record Lows

Number of Consumers with New Foreclosures



Source: NY Fed

2023 Housing Market Forecast





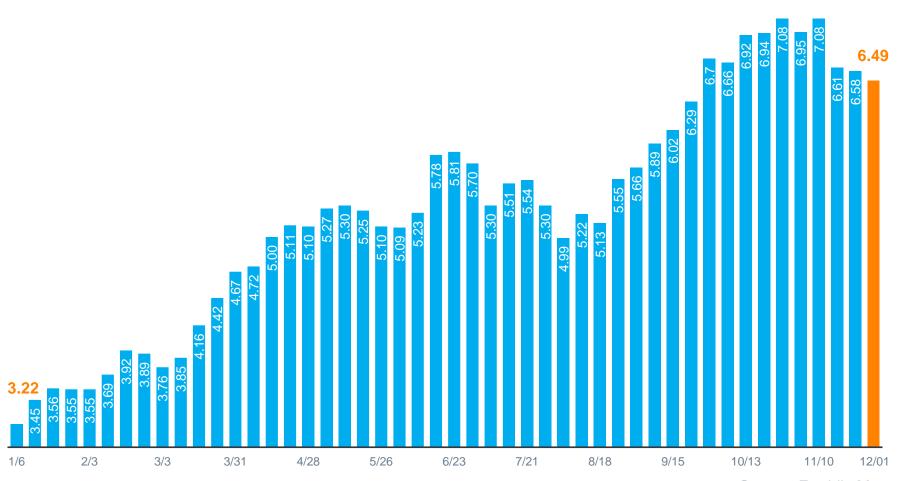


I'd say if you are a homebuyer, somebody or a young person looking to buy a home, you need a bit of a reset. We need to get back to a place where supply and demand are back together and where inflation is down low again, and mortgage rates are low again.

- Jerome Powell, Chair, Federal Reserve (Quoted in June of 2022)

2022 Defined by Rising Mortgage Rates

Freddie Mac 30-Year Fixed Rate: January 2022-Today



Source: Freddie Mac

Mortgage Rate Projections

November 2022

Quarter	Freddie Mac	Fannie Mae	MBA	NAR	Average of All Four
2023 Q1	6.60%	7.00%	6.20%	6.50%	6.58%
2023 Q2	6.50%	6.90%	5.60%	6.40%	6.35%
2023 Q3	6.40%	6.70%	5.40%	6.30%	6.20%
2023 Q4	6.20%	6.50%	5.20%	6.10%	6.00%

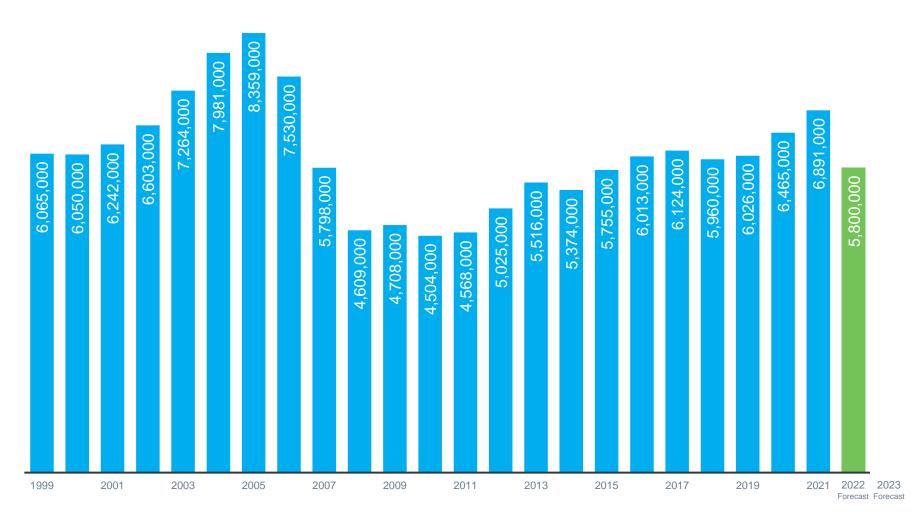


. . . mortgage rates could pull back meaningfully next year if inflation pressures ease.

- Greg McBride, Chief Financial Analyst, Bankrate

Total Home Sales

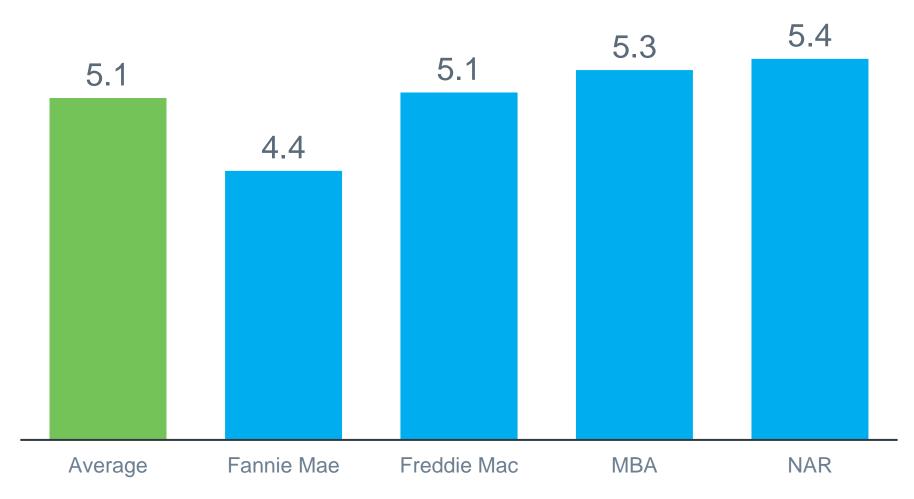
1999 – October 2022



Source: Census, NAR

2023 Total Home Sales Forecasts

In Millions





The upcoming months should see a return of buyers, as mortgage rates appear to have already peaked and have been coming down since mid-November.

- Lawrence Yun, Chief Economist, NAR

Home Price Forecasts for 2023

Latest Forecasts from Each Entity





The housing market, once adjusted to the new normal of higher mortgage rates, will benefit from continued strong demographicdriven demand relative to an overall, long-run shortage of supply.

- Mark Fleming, Chief Economist, First American



From our perspective, the good news is that demographics remain favorable for housing, so the sector appears well-positioned to help lead the economy out of what we expect will be a brief recession.

- Doug Duncan, Senior VP and Chief Economist, Fannie Mae

Now Available: Winter Buyer & Seller Guides





Slide(s)	Description	Link(s)
3	Yun Quote, Rates	https://www.nar.realtor/newsroom/home-prices-rose-year- over-year-in-98-of-metro-areas-in-third-quarter-of-2022
4	Rates & 10-Year Treasury Over Time Graph	https://www.freddiemac.com/pmms/pmms_archives https://www.macrotrends.net/2016/10-year-treasury-bond- rate-yield-chart
5	10-Year Treasury Graph	https://www.wsj.com/market- data/quotes/bond/BX/TMUBMUSD10Y/historical-prices
6	Current Rates & 10-Year Treasury Graph	https://www.cnbc.com/quotes/US10Y https://www.freddiemac.com/home
7	Wolf Quote	https://www.builderonline.com/data-analysis/a-look-at-the-relationship-between-the-10-year-treasury-and-30-year-mortgage-rate_o
8	Habib Quote	https://www.mauldineconomics.com/download/global- macro-update-transcript-barry-habib
10	Olick Tweet	https://twitter.com/DianaOlick/status/158969534930816614
11	Tappable Equity Graph	https://www.blackknightinc.com/wp-content/uploads/2022/11/BKI_MM_Sept2022_Report.pdf

Slide(s)	Description	Link(s)
12	Potapov Quote	https://blog.firstam.com/economics/will-foreclosures-rise-as- the-housing-and-labor-markets-cool
13	CNBC Headline	https://www.cnbc.com/2022/11/15/household-debt-soars-at-fastest-pace-in-15-years-as-credit-card-use-surges-fed-report-says.html
14	Credit Card Balances Graph	https://libertystreeteconomics.newyorkfed.org/2022/11/bala nces-are-on-the-rise-so-who-is-taking-on-more-credit-card- debt/
15	Liberty Street Economics Quote	https://libertystreeteconomics.newyorkfed.org/2022/11/bala nces-are-on-the-rise-so-who-is-taking-on-more-credit-card- debt/
16	Mortgage Debt-To-Income Graph	https://www.federalreserve.gov/releases/housedebt/default.htm

Slide(s)	Description	Link(s)
18	Foreclosures Graph	https://www.newyorkfed.org/microeconomics/hhdc
20	Powel Quote	https://fortune.com/2022/06/16/housing-market-reset-federal-reserve-could-see-home-prices-fall/
21	Mortgage Rates Graph	https://freddiemac.gcs-web.com/node/26346/pdf http://www.freddiemac.com/pmms/
22	Mortgage Rates Forecast	https://www.fanniemae.com/media/45306/display https://cdn.nar.realtor/sites/default/files/documents/forecast- q4-2022-us-economic-outlook-09-28-2022.pdf https://www.freddiemac.com/research/forecast/20221021- quarterly-forecast-rapidly-rising-rates-declining-demand- driving-housing-market https://www.mba.org/docs/default-source/research-and- forecasts/forecasts/mortgage-finance-forecast-nov-2022.pdf
23	McBride Quote	https://www.bankrate.com/real-estate/housing-market-predictions-2023/#home-values

Slide(s)	Description	Link(s)
24	Home Sales Since 1999 Graph	https://www.nar.realtor/topics/existing-home-sales https://cdn.nar.realtor/sites/default/files/documents/ehs-10- 2022-overview-2022-11-18.pdf https://www.census.gov/construction/nrs/pdf/newressales.p df https://cdn.nar.realtor/sites/default/files/documents/forecast- q4-2022-us-economic-outlook-09-28-2022.pdf
25	Home Sales Forecasts	https://www.fanniemae.com/media/45306/display https://cdn.nar.realtor/sites/default/files/documents/forecast- q4-2022-us-economic-outlook-09-28-2022.pdf https://www.freddiemac.com/research/forecast/20221021- quarterly-forecast-rapidly-rising-rates-declining-demand- driving-housing-market https://www.mba.org/docs/default-source/research-and- forecasts/forecasts/mortgage-finance-forecast-nov-2022.pdf
26	Yun Quote, Rates Forecast	https://twitter.com/NAR_Research/status/15979709682987 82720?s=20&t=RM8XMxPm_1ZkD0xfSe4N6Q

Slide(s)	Description	Link(s)
27	Home Price Forecasts Graph	https://news.move.com/2022-11-30-Realtor-com-R-Housing-Forecast-Homebuying-Costs-Arent-Coming-Down-in-2023 https://www.fanniemae.com/media/44911/display https://cdn.nar.realtor/sites/default/files/documents/forecast-q4-2022-us-economic-outlook-09-28-2022.pdf https://pulsenomics.com/surveys/#home-price-expectations https://www.zelmanassociates.com/ (by subscription) https://www.mba.org/docs/default-source/research-and-forecasts/forecasts/mortgage-finance-forecast-oct-2022.pdf?sfvrsn=d32917_1
28	Fleming Quote	https://blog.firstam.com/economics/why-the-housing-market-may-begin-to-stabilize-in-2023
29	Duncan Quote	https://www.fanniemae.com/newsroom/fannie-mae- news/economy-still-expected-enter-and-exit-modest- recession-2023