The Housing Affordability Crunch and 2022 Market

Nicole Bachaud (she/her) Zillow Economic Research December 7, 2021



Outline

Housing prices and hot markets

- How secondary Sunbelt markets will steal the show in 2022
- Affordability concerns of hot 2021 Sunbelt markets might lead to a turning point
 - Following NYC as an example

Buyers are still searching for affordability

• How the workplace will be influencing the 2022 housing market

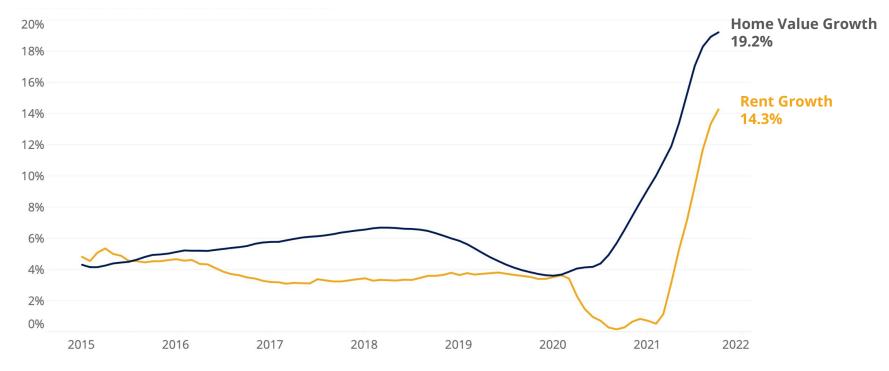
Demand for single-family homes stays high

• Renters want to get in on the single-family craze too



Record-fast price and rent appreciation

Zillow Home Value Index YoY and Zillow Observed Rent Index YoY



Source: Zillow Home Value Index, Zillow Observed Rent Index, October 2021.

Prices rise when supply is low. And supply is LOW.

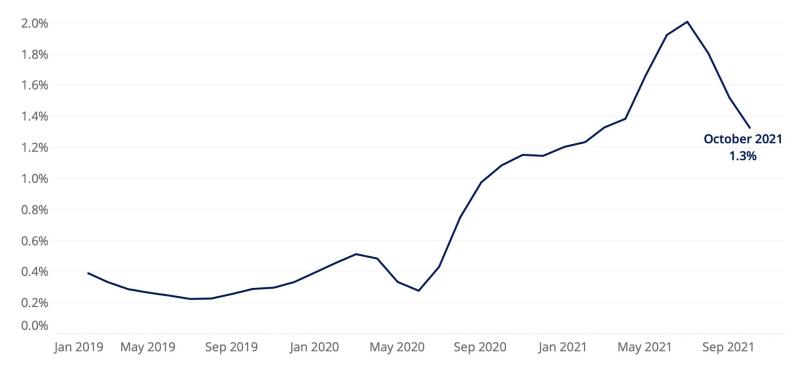


Zillow Home Value Index YoY (Home Value Growth) vs Months of Supply of Existing Homes

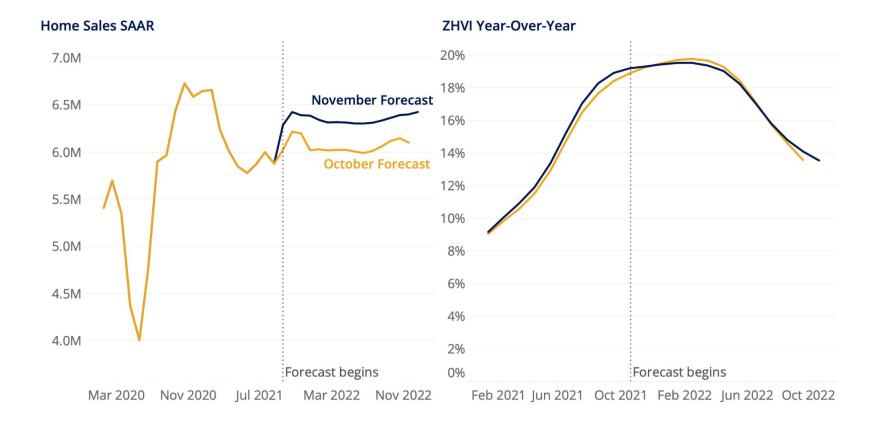
Source: Zillow Home Value Index and NAR Months supply of existing homes on market, October 2021.

...but there were signs of prices cooling this summer

Zillow Home Value Index, Month-Over-Month

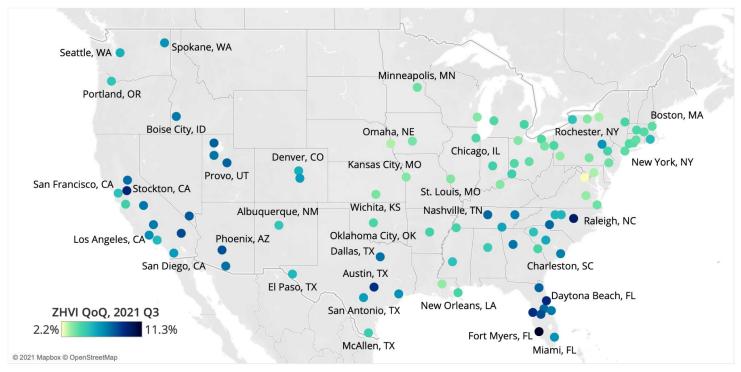


From a record year to a slow descent towards normalcy

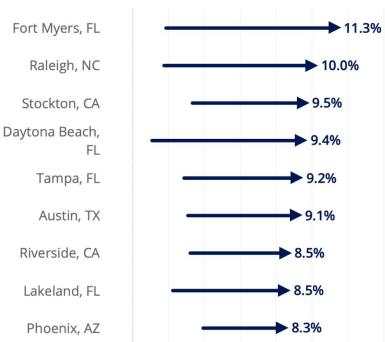


The Sunbelt will still be in the spotlight in 2022

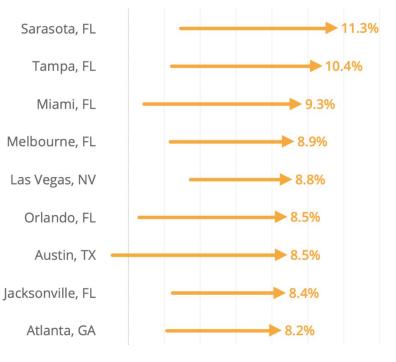
Zillow Home Value Index QoQ (Home Value Growth)



Rise of secondary cities

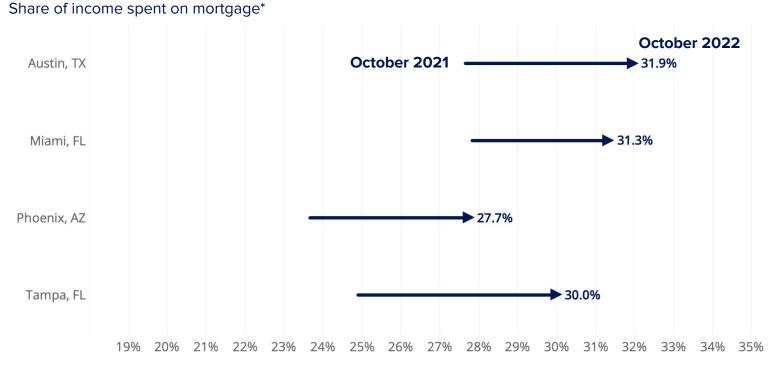


Zillow Home Value Index Oct QoQ (Home Value Growth) Zillow Observed Rent Index Oct QoQ (Rent Growth)



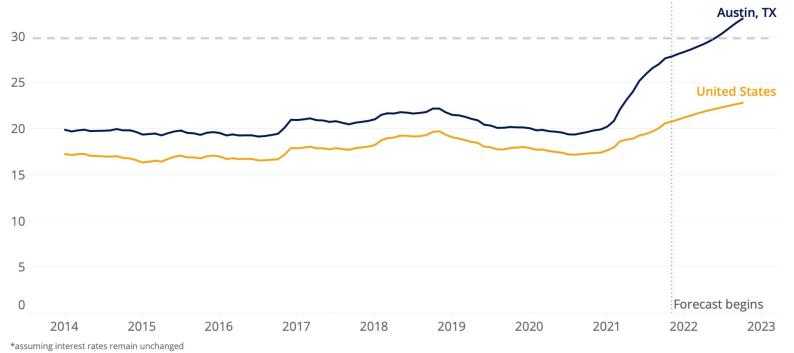
Affordability to change for the worse for 2021 superstars

Affordability Change 2021 - 2022



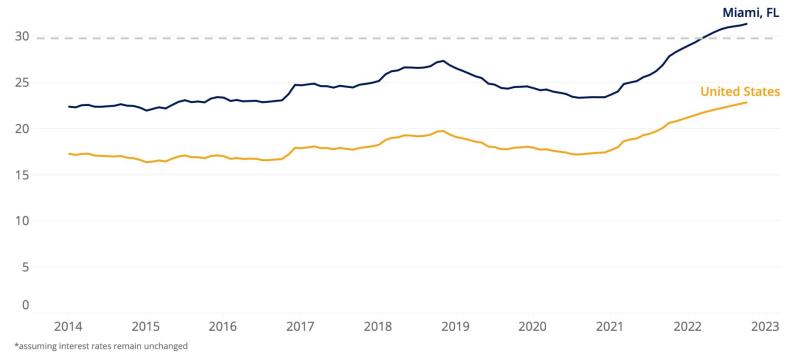
Austin's affordability challenge might creep over to secondary cities

Austin Affordability Share of income spent on mortgage*



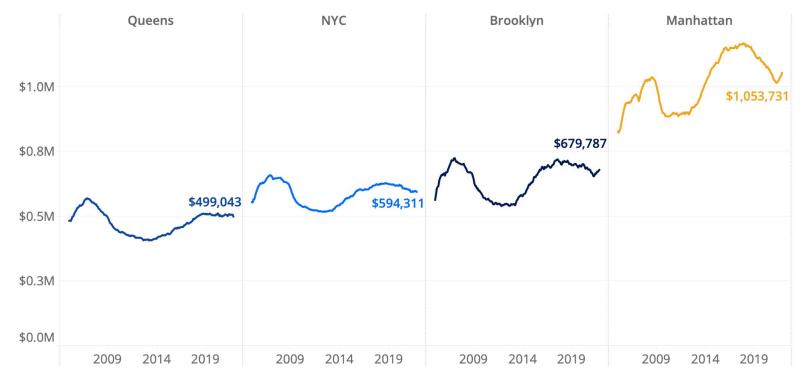
Miami affordability

Miami Affordability Share of income spent on mortgage*



NYC as an example

Zillow Home Value Index, October 2021



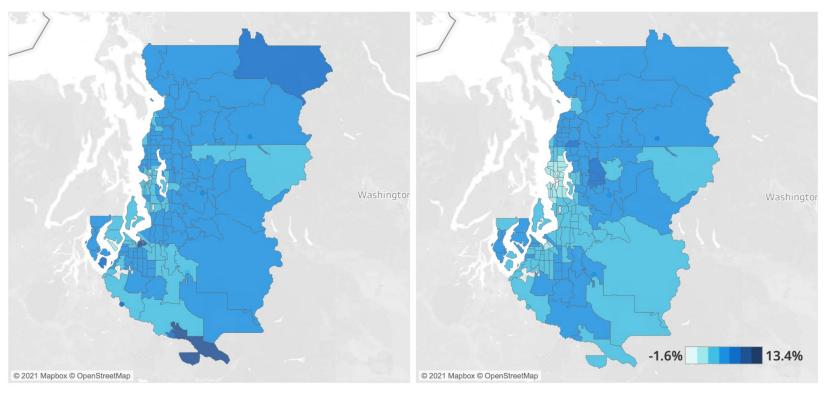
The new work life balance - affordability will continue to influence workers



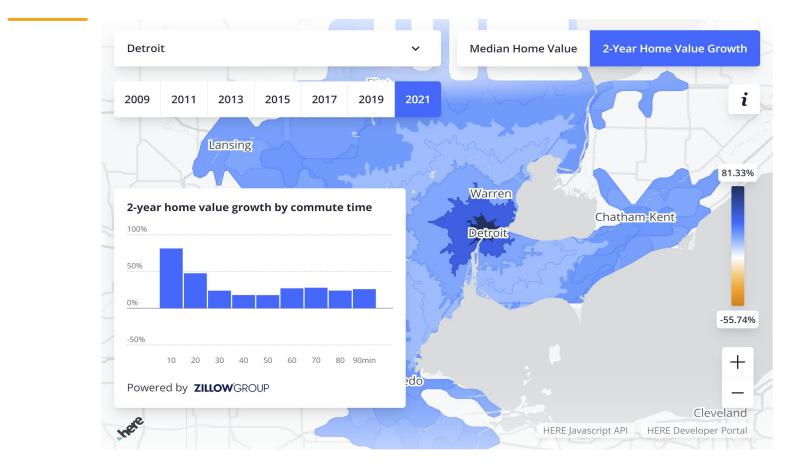
Some expensive metros will likely see a reversal of this trend

QoQ Growth, October 2020

QoQ Growth, October 2021



The Midwest saw the complete opposite

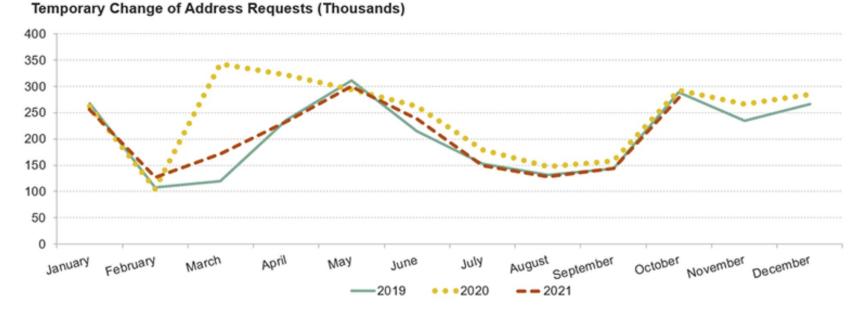


And many Sunbelt metros are seeing growth everywhere



The new work life balance - remote work trends in 2022

FIGURE 2. TEMPORARY MOVES SPIKED EARLY IN THE PANDEMIC AND REMAINED ELEVATED UNTIL MID-2021



Source: JCHS

The new work life balance - the Great Resignation

The Great Resignation

Number of people quitting their jobs in the United States, seasonally adjusted



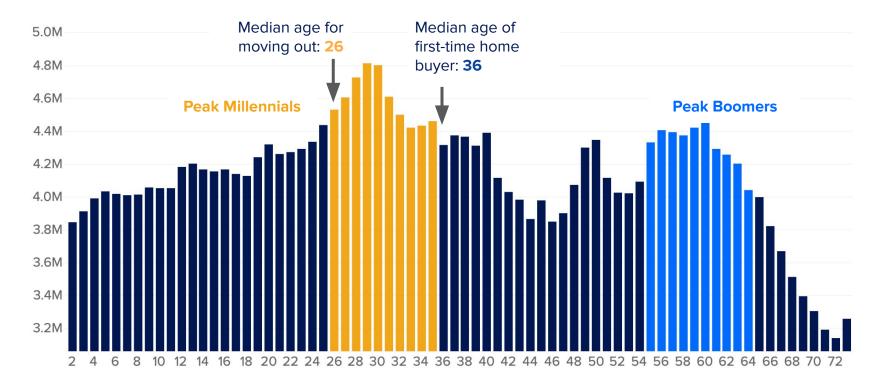
Source: U.S. Bureau of Labor Statistics

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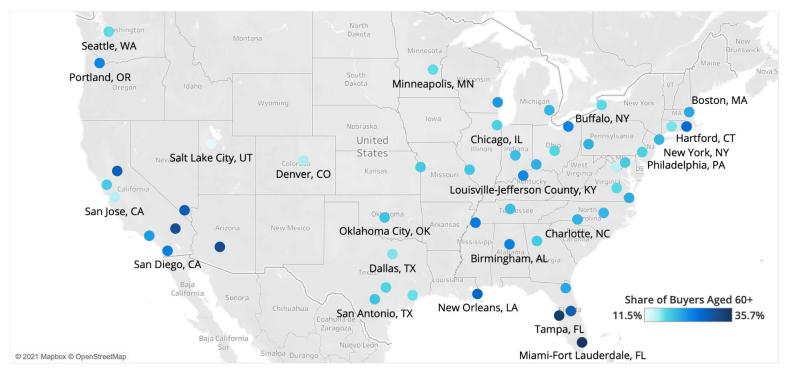
The new work life balance - a retirement boom

Age distribution for the United States in 2020



Baby boomers are more likely to buy in the Sunbelt

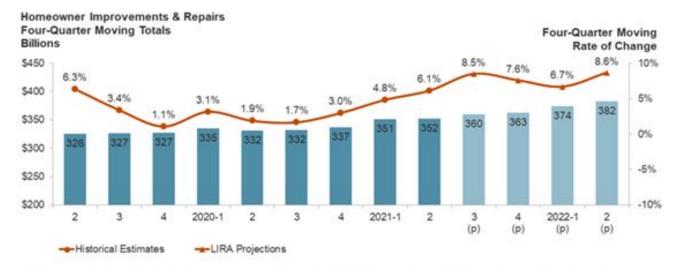
Share of Buyers Aged 60+



Source: 2019 ACS

Renovation boom

Leading Indicator of Remodeling Activity - Second Quarter 2021



Notes: Improvements include remodels, replacements, additions, and structural alterations that increase the value of homes. Routine maintenance and repairs preserve the current guality of homes. Historical estimates since 2019 are produced using the LIRA model until American Housing Survey benchmark data become available.

@ PRESIDENT AND FELLOWS OF HARVARD COLLEGE

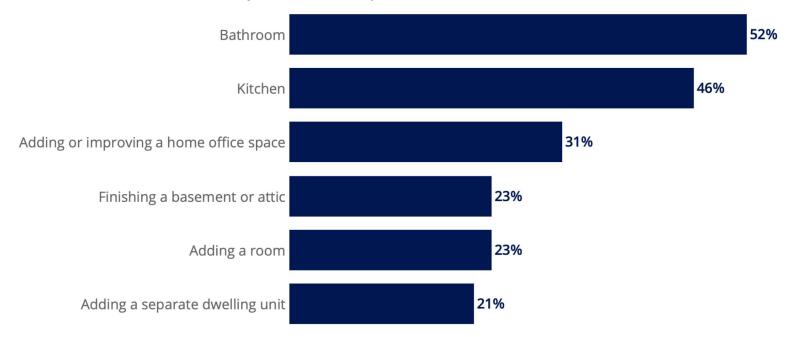
Joint Center for Housing Studies of Harvard University JCHS



Source: JCHS

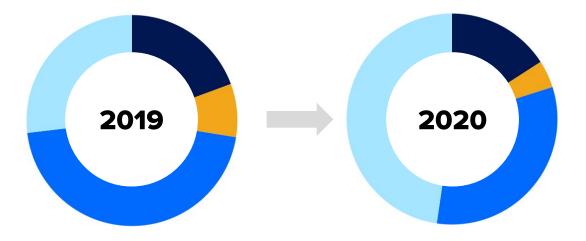
Renovation boom

Top Home Improvement Projects for Surveyed Homeowners



Source: Zillow Consumer Home Trends Report

Renovation boom - refinances



Loan Purpose Cash out refinancing Home improvement Home purchase Refinancing

Inventory shortage starkest for single-family homes

Inventory Year-Over-Year

10% 5% 0% -5% -10% -15% SFR -20% -25% -30% -35% Condo Jan 2019 Sep 2021

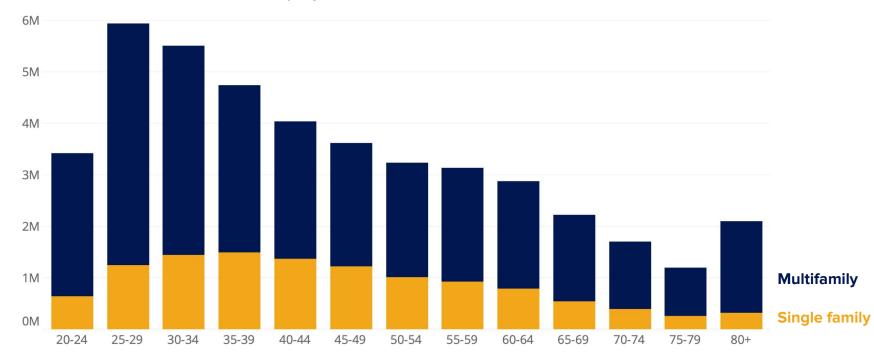
May 2019 Sep 2019 Jan 2020 May 2020 May 2021 Sep 2020 Jan 2021

Construction backlog less extreme for single-family homes

New Privately-Owned Homes Under Construction



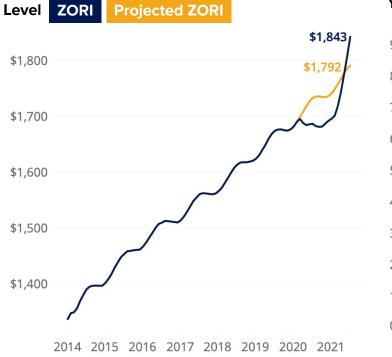
Single-family rentals will be in high demand



2019 Renter-Occupied Households by Age of Household Head

Rent prices have far surpassed pre-pandemic trends

Zillow Observed Rent Index, July 2021



Year-over-year



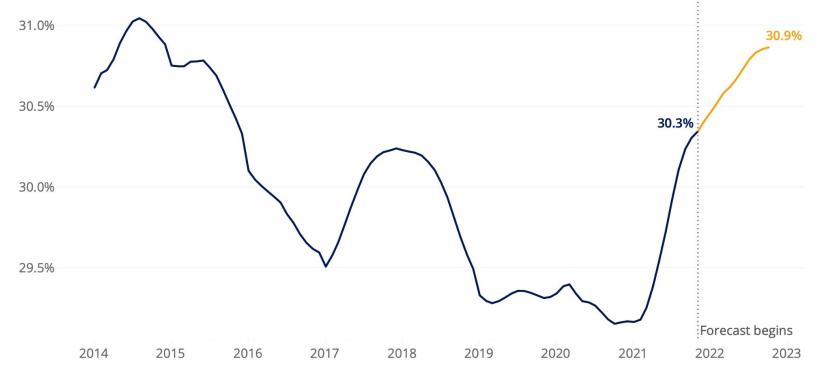
Rent slowdown not uniform, but rebound widespread

Zillow Observed Rent Index, Actual vs Projected



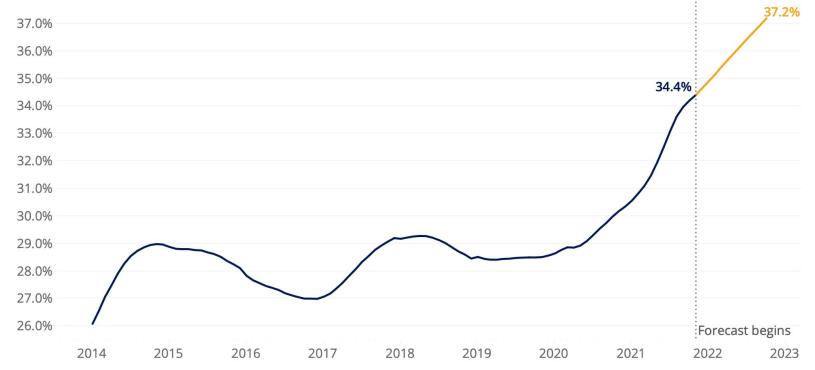
Rent affordability is worsening

Rent Affordability Forecast, United States



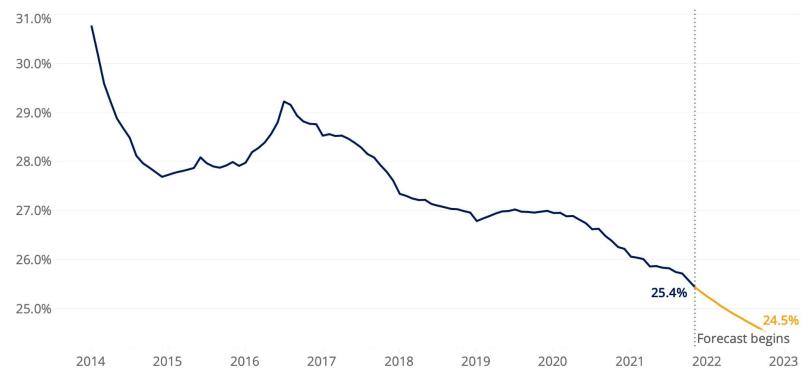
Las Vegas rent affordability is heading off the charts

Rent Affordability Forecast, Las Vegas



There are some places where affordability will likely improve

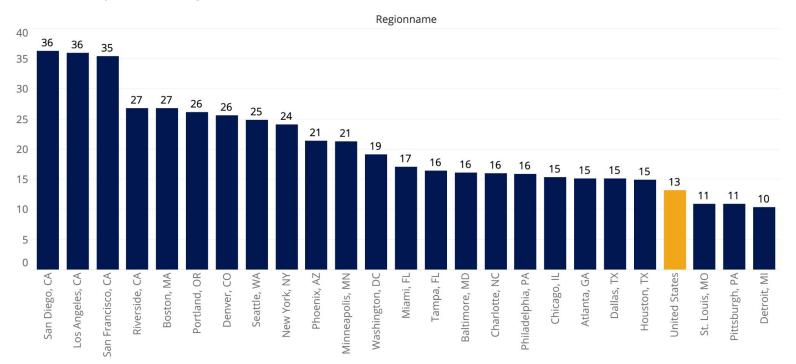
Rent Affordability Forecast, Cleveland



It will take much longer for renters to save for a down payment

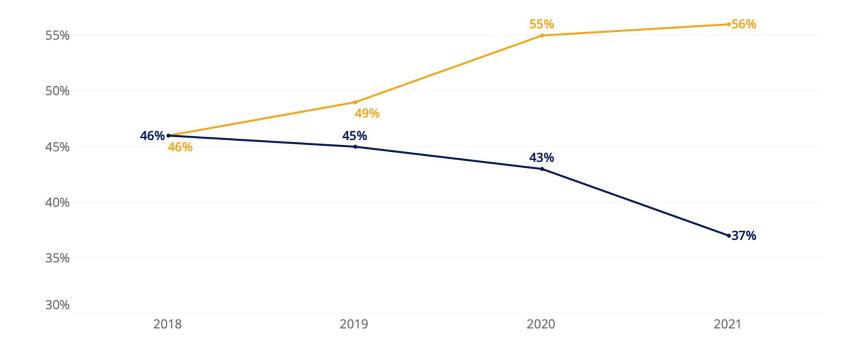
Years it takes the typical renter to save for a down payment

10% down payment, Saving 2.4% of income



More renters considering buying, but finding it harder

Share of Renters that Considered Buying and Share of Buyers that Bought For the First Time



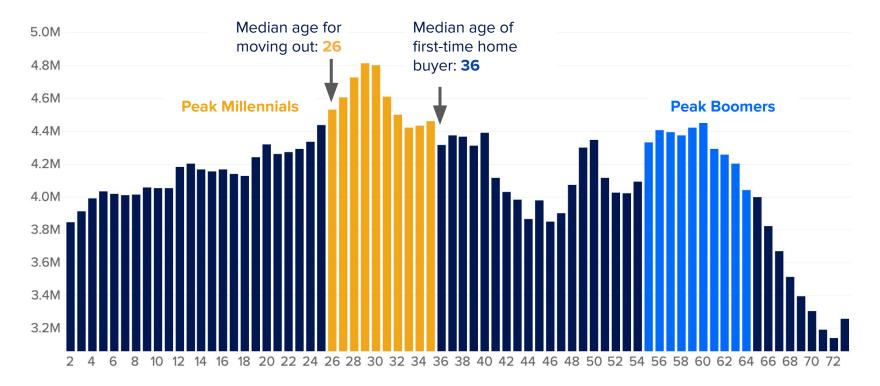
Younger generations are intentional about future housing plans



Of Millennials and Gen Z say they will use money saved during the pandemic towards a down payment

Many millennials can't afford a home as they approach home buying age

Age distribution for the United States in 2020





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