# Housing under COVID-19

How is **COVID-19 impacting** the economy and housing market?

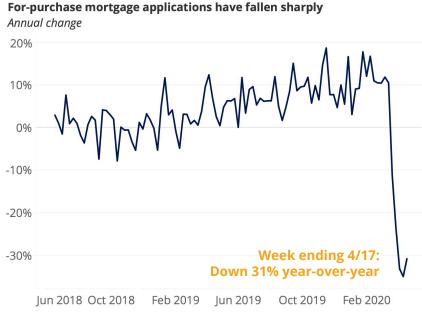


# What's happening

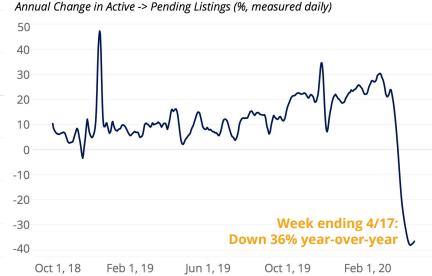
The scale of this crisis and impacts to the economy at large and housing

#### **Buying activity faces serious logistical challenges**

Having plummeted, mortgage applications and active-to-pending listings appear to have stabilized slightly at less than two-thirds 2019 volumes



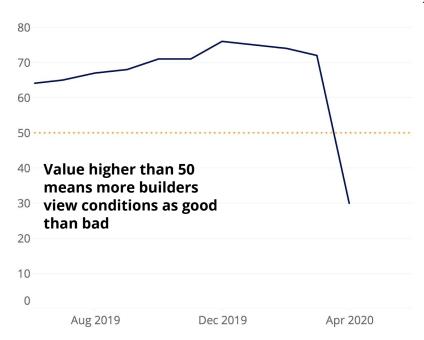
#### Daily Measure of Active -> Pending Listings Falling but Showing Faint Signs of Stabilization



#### Supply side also walloped

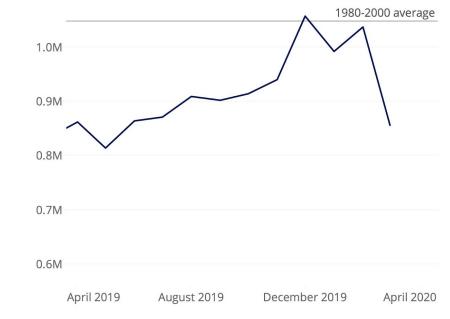
#### Builders stop projects and lose confidence - disappointing what would have been golden year

#### Homebuilder sentiment more than halved in April



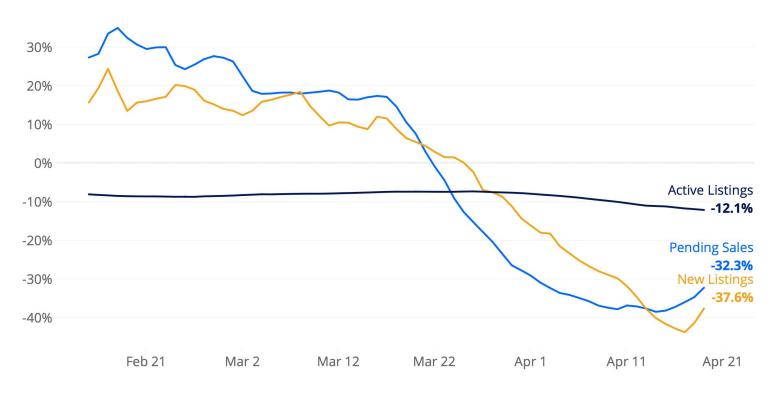
#### March housing starts fell 25% from Jan high

Jan starts numbers reached levels not seen since late 2006 before the Global Financial Crisis



#### **Would-be sellers are missing - homeowners wait**

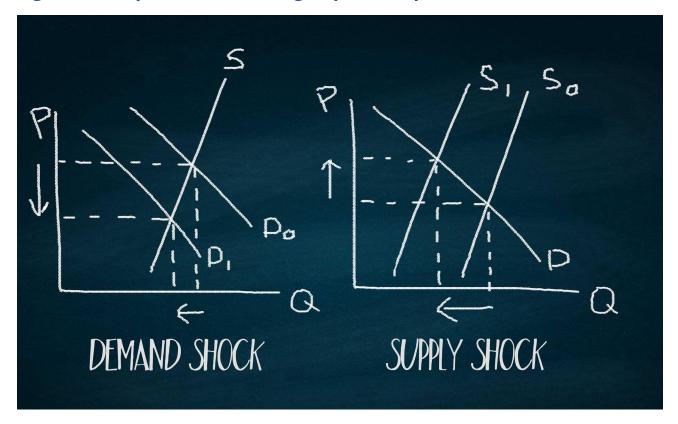
New listings hit a bottom of -44 percent year-over-year. Stock of active inventory falls too.



# Property values more stable than you think

#### **Supply and demand impact**

**Opposing effect on prices, reinforcing impact on quantities (leases or sales)** 



#### **Creditworthiness of recent buyers high**

Tight credit, tight inventory, and prohibitive down payments are major barriers

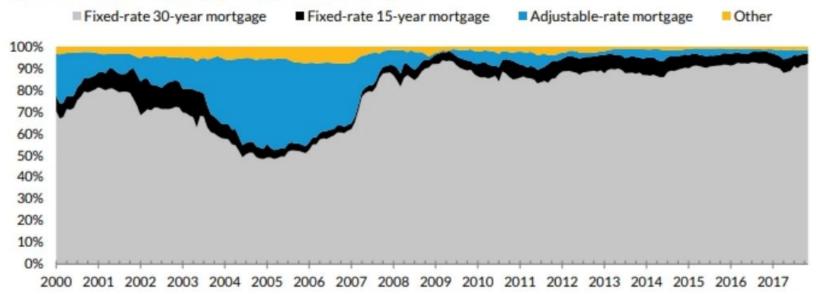
#### Homeownership rate



#### Reform after GFC reduced predatory lending

Strong home value appreciation drive by fundamentals, not excess credit.

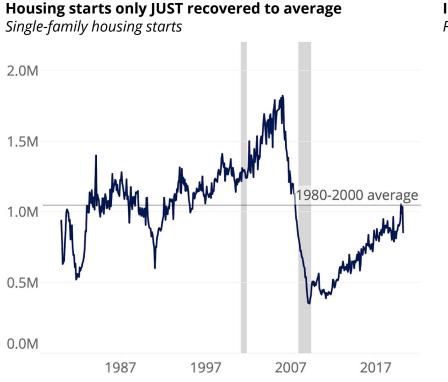
Figure 7: Purchase Mortgage Originations by Type



Source: CoreLogic, eMBS, HMDA, SIFMA and Urban Institute.

#### Last time we had too much inventory at the start

Leading up to this cycle, inventory was at record lows

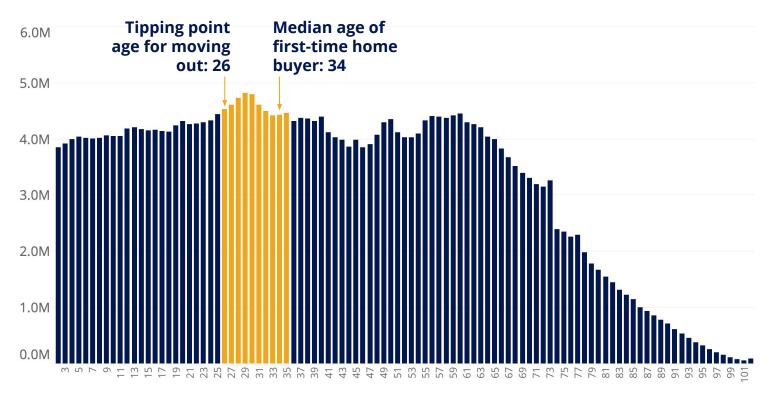


Inventory driven down by strong demand + anemic building For-sale, existing inventory



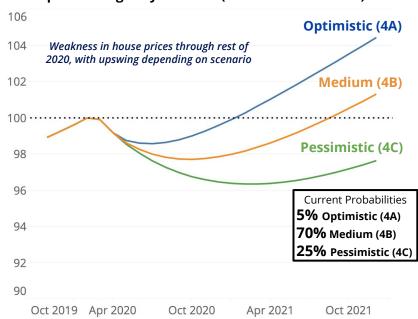
#### Housing demand powered by a demographic wave

Hitting the market during a record long expansion.



#### **Scenarios & Where We Are Now**

#### Home price changes by scenario (Index Feb 2020 = 100)



Estimated Monthly Home Prices, by Scenario (normalized relative to Feb 2020 = 100) Source: Zillow Economic Data

#### Sales volume over time (Index Feb 2020 = 100)



Estimated Sales Volume, by Scenario (normalized relative to Feb 2020 = 100)

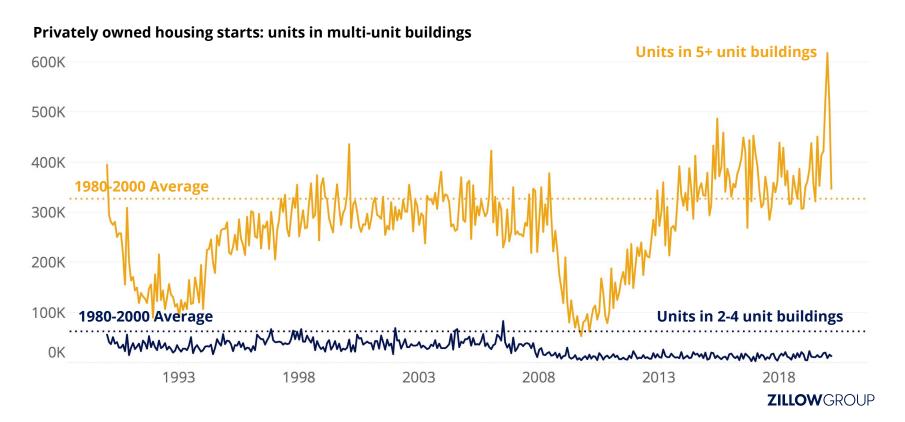
Source: Zillow Economic Data

## So property values are set up for greater resilience.

How about the rents?

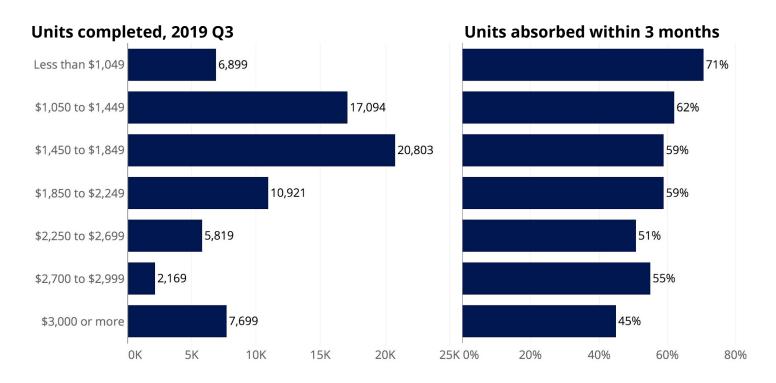
#### **Record construction of multi-family units**

Unlike SF construction, recent multi-family construction far beyond historic levels



#### MF construction concentrated, so absorption varies

Affordable projects are almost impossible to finance, so deliveries are skewed to high end





#### MF construction concentrated, so absorption varies

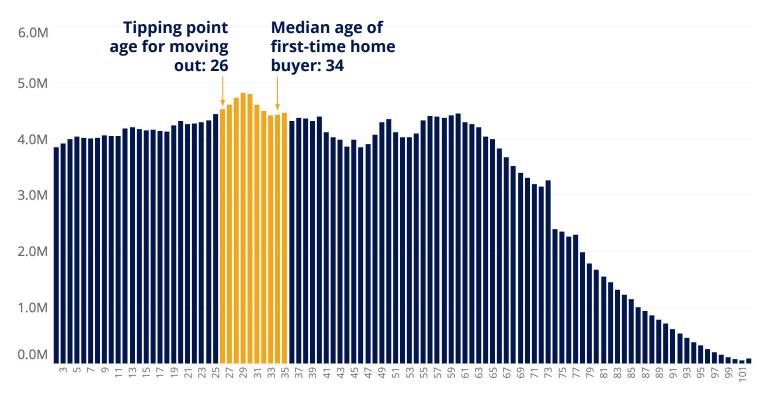
Apartments outside principal city absorbed fastest due to geographic concentration of new units

#### 3-month absorption rate by location within CBSA



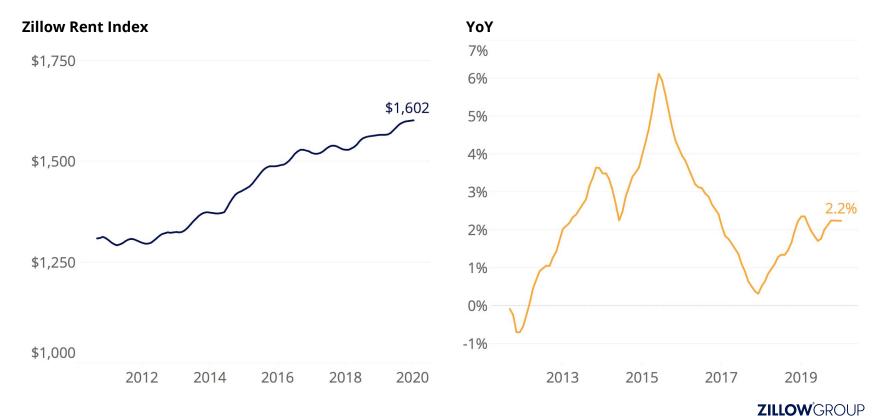
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#### Rents were back on the fast track as well

With the bulk of millenials active in rental markets ...



# Renters are vulnerable

So rental market will be more impacted.

#### Ultimate price and rent declines depend on...

...the relative size of the demand and supply shocks

#### How deep and drawn out is the COVID recession?

- Is joblessness or income loss levied more heavily on renters or homeowners?
- Are renters and homeowners able to withstand job loss and economic hardship?

### Will government aid be sufficient to prevent distressed units from hitting the market?

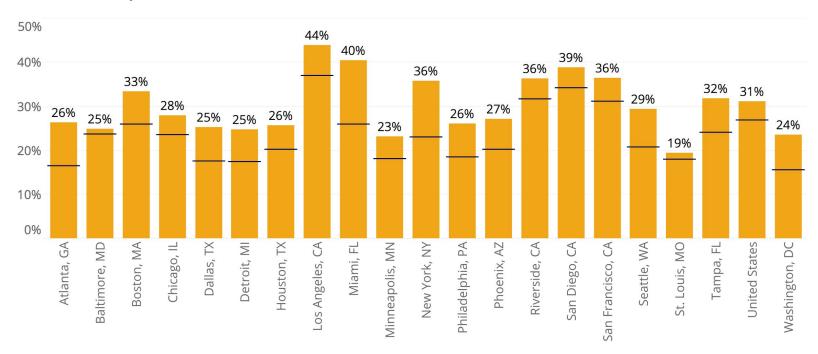
- Rental market: vacancies due to eviction and affordability strategies (doubling, delay household formation, moving down)
- For-sale market: foreclosures and short sales



#### Affordability of housing worse for renters

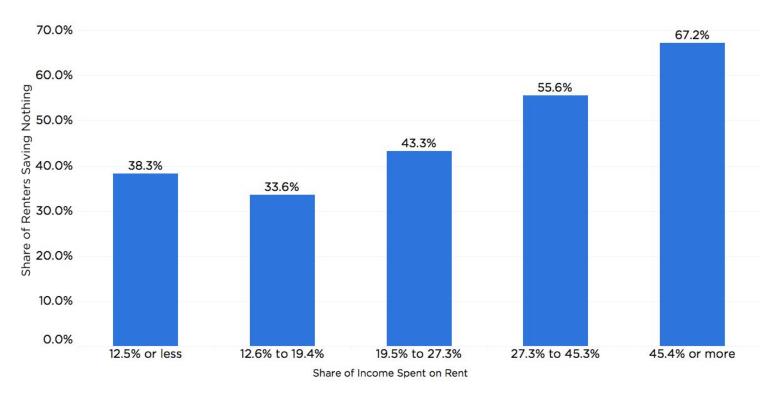
Due to pressure on supply + slow income growth + no ability to harness low rates

#### Share of income spent on rent



#### Lack of savings keenly felt by renters

The longer this goes, the more support households, especially renters, will need



#### The government support is record breaking

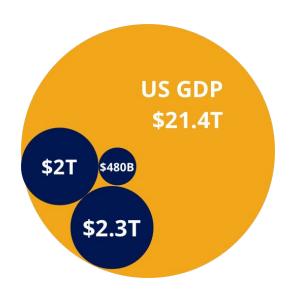
\$2.48 trillion in aid, up to \$2.3 trillion in Fed loans

Mar 27: CARES act providing \$2T in aid signed into law

- Direct cash payments (\$1200/adult or \$2400 married + \$500/kid)
- Extra \$600/WEEK of unemployment benefit (39 week max and only available April 1- July 31)
- Small business loans: \$350B (gone in 2 weeks)

**Apr 9**: Fed announces **\$2.3T** in loans to support recovery

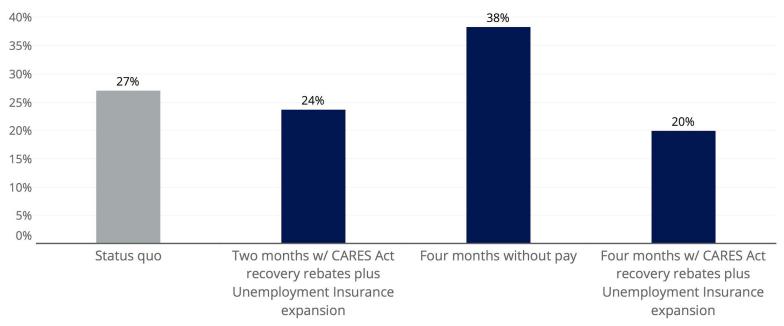
**April 23**: **\$480B** for small business support, hospitals, and virus testing capabilities



#### **CARES** act and renter affordability

Gov't support is necessary to prevent many renters from falling into housing insecurity

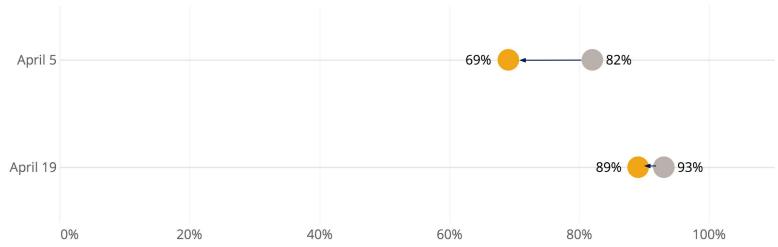
#### Rent burden of households where the majority of income comes from workers in food, arts, retail



#### Renters struggle to pay rent this April

Due to the sheer scale of joblessness, income loss plus delays in government aid

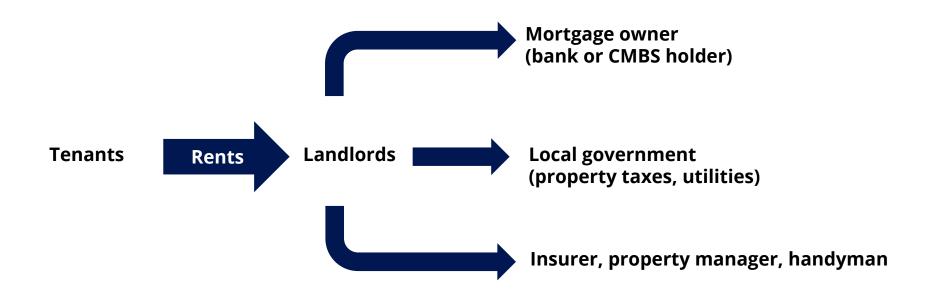
Share of apartment households who made a full or partial rent payment in April 2020 vs 2019:



Source: National Multifamily Housing Council (NMHC) survey, 11.5 million units of professionally managed apartments

#### Fix not as simple as eviction moratorium

Rent non-payment creates chain reactions for strained local government, rental industry



## Potential impacts to the rental market expected if recovery slow or aid insufficient

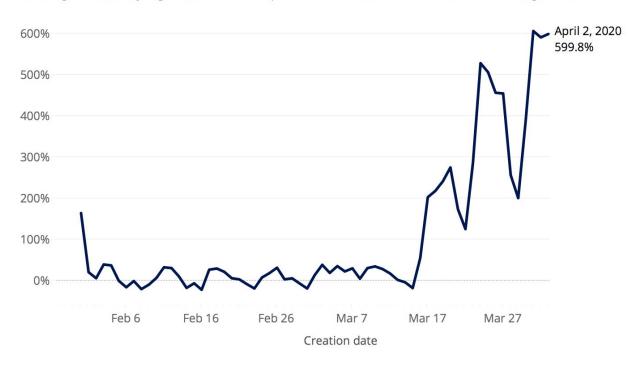
- Rapid change in renter affordability and/or ability to pay means leads to renters pursuing affordability strategies after the crisis and over the course of the recovery
  - Doubling, delay in moving out (household formation to fall)
  - Move to smaller and cheaper
  - Move farther out
- Vacancies rise (especially on the high end, recall absorption data above)
- Rent growth softens, mostly on the high end.
  - Landlords negotiate rent with existing tenants to lower rent and avoid vacancy
  - Offer lower rent and concessions to searching renters
  - o In harder cases, back rent forgiveness in exchange for lease release is likely.
- As demand overwhelms the scarce supply of affordable units, rent growth is bolstered at lower price points.
- Long run impacts to rental market:
  - Investment into apartment buildings in principal cities slows, further depleting the supply of more affordable units in the future

## Making it work

#### **Sellers and property managers - making it work**

#### Creation of 3D Home tours soared as stay-at-home orders expanded

% change from 30 days ago in number of completed 3D Home tours nationwide created through Zillow



#### Search for rental units exceeds expectations

#### Zillow.com rentals visits, 7-day moving average versus baseline

