### THE ECONOMY IN 2022: THE GREAT RENEGOTIATION

Presented by:

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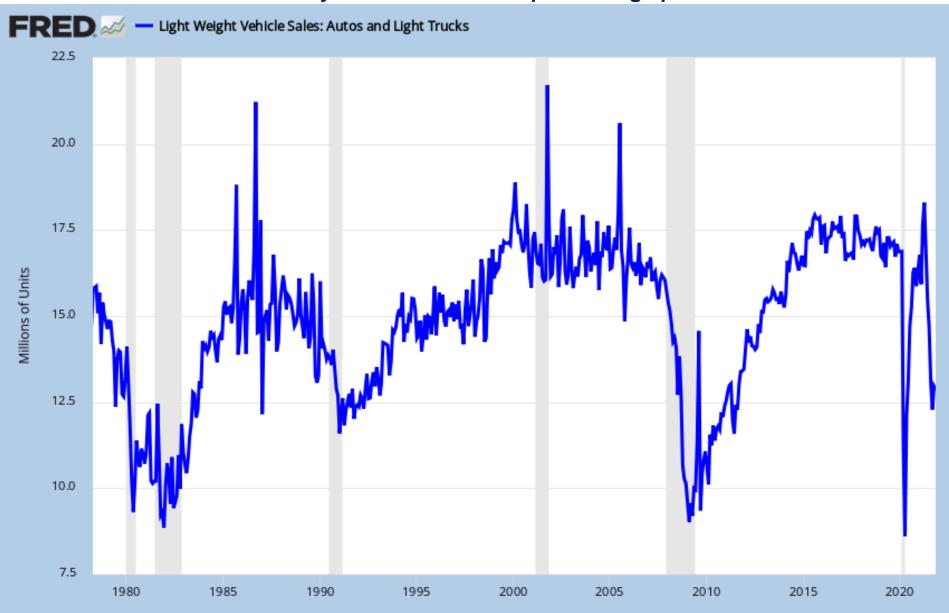
## The Economy Is Improving

GDP = C+I+G+(X-M)



#### **US Light Vehicle Sales Collapse**

No inventory due to a lack of chips is a huge problem



#### **Real Retail Sales Decline Slightly**

What is surprising is that it is not declining faster



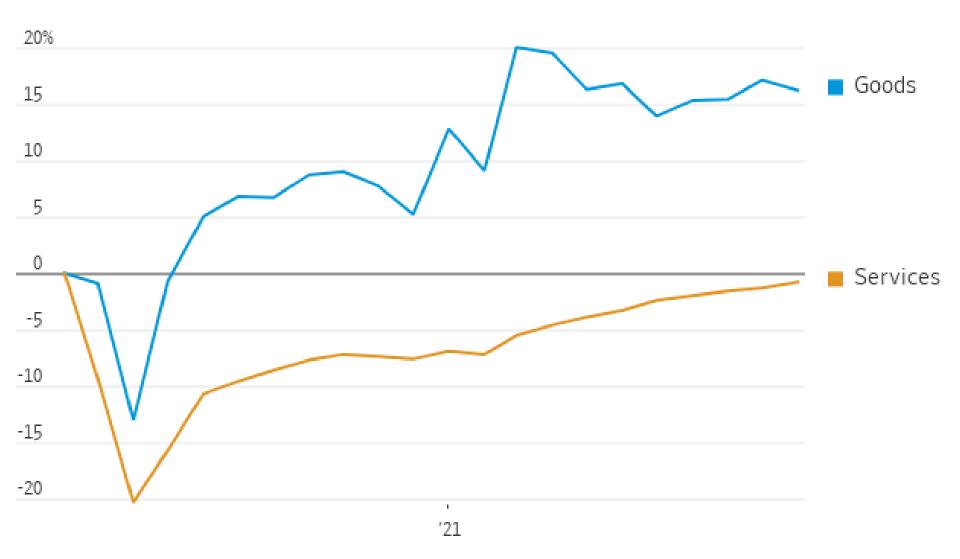
Source: Federal Reserve Bank of St. Louis

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#### **Retail Spending Through October 2021**

It is way above trend

#### Change in inflation-adjusted consumer spending since February 2020

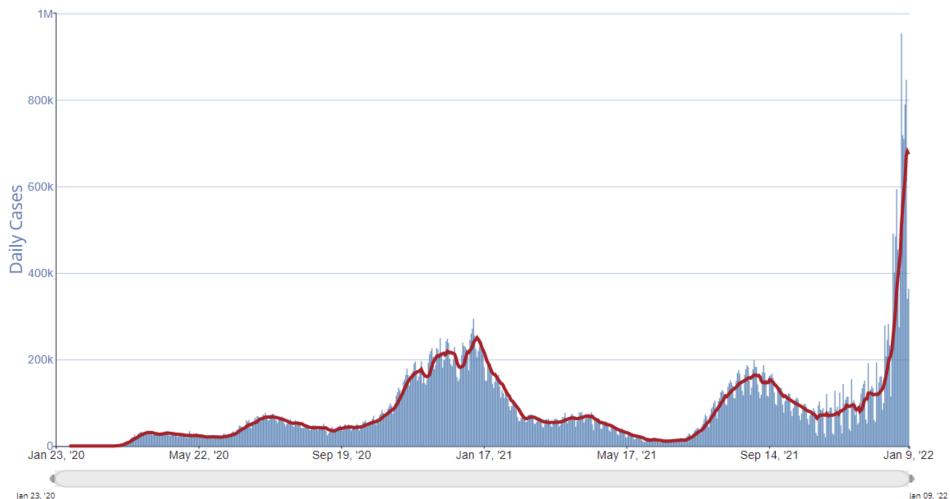


Source: Commerce Department

#### **New US Coronavirus Cases/Day**

US vaccination rate is approaching 65% which is decent

Daily Trends in Number of COVID-19 Cases in The United States Reported to CDC



J-11-24

#### **Conference Board Consumer Confidence**

It is again approaching pre-pandemic levels

#### Conference Board consumer confidence index

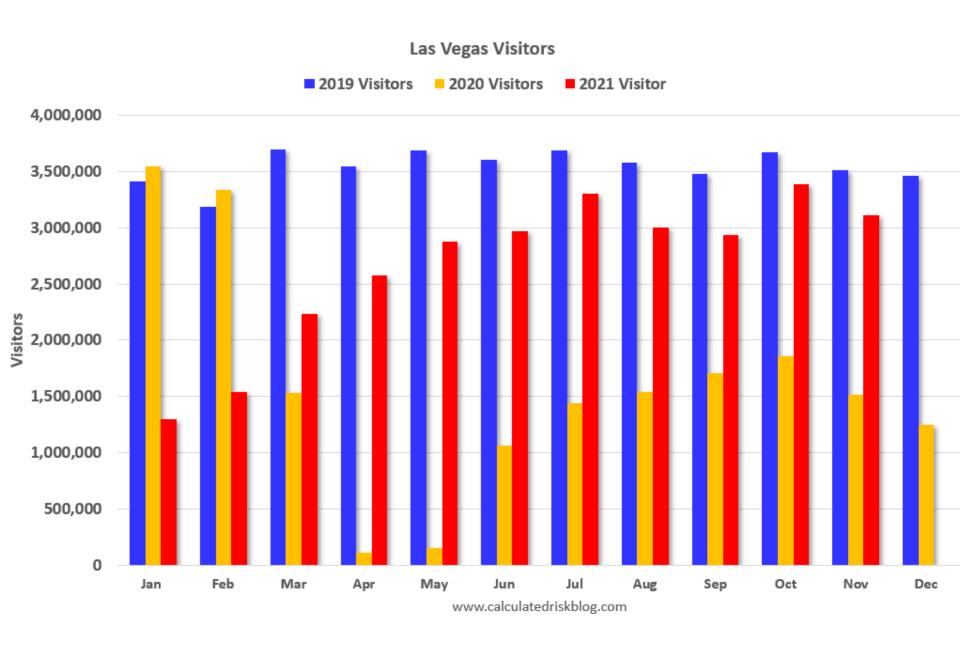


Note: Seasonally adjusted, 1985=100

Source: The Conference Board

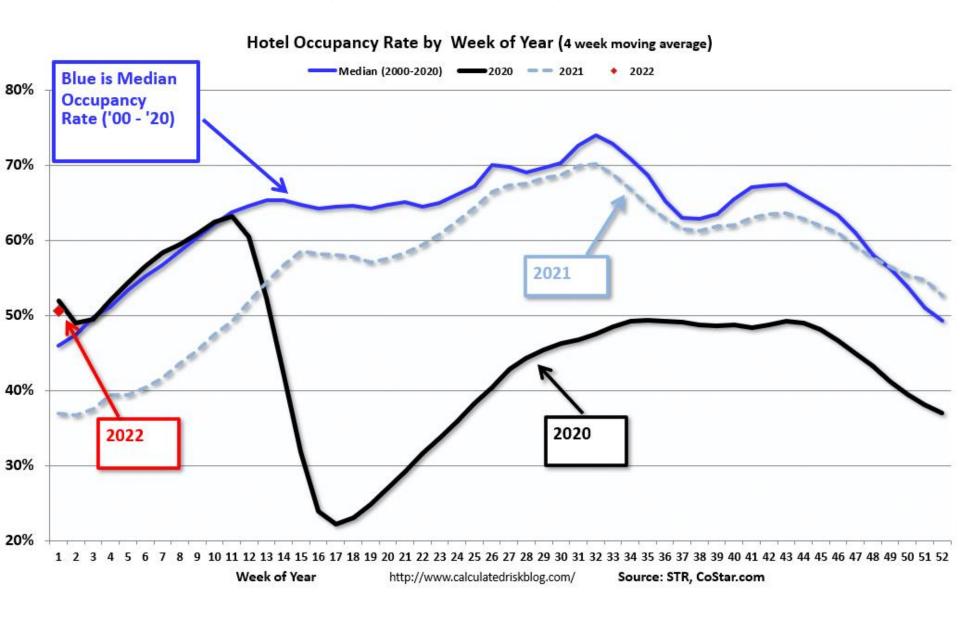
#### Las Vegas Attendance Steadily Recovers

Visitor traffic down 11.3% from 2019, convention attendance is down 100%,



#### **Hotel Occupancy Rate Steadily Improves**

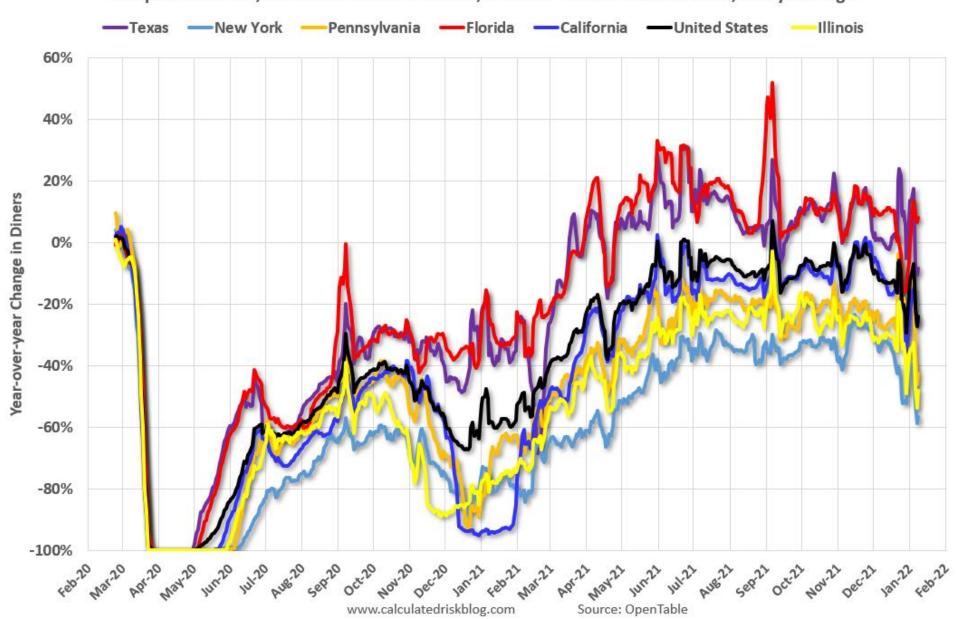
Occupancy is now above the 20-year median rate!



#### **US Restaurant Footfall is Falling**

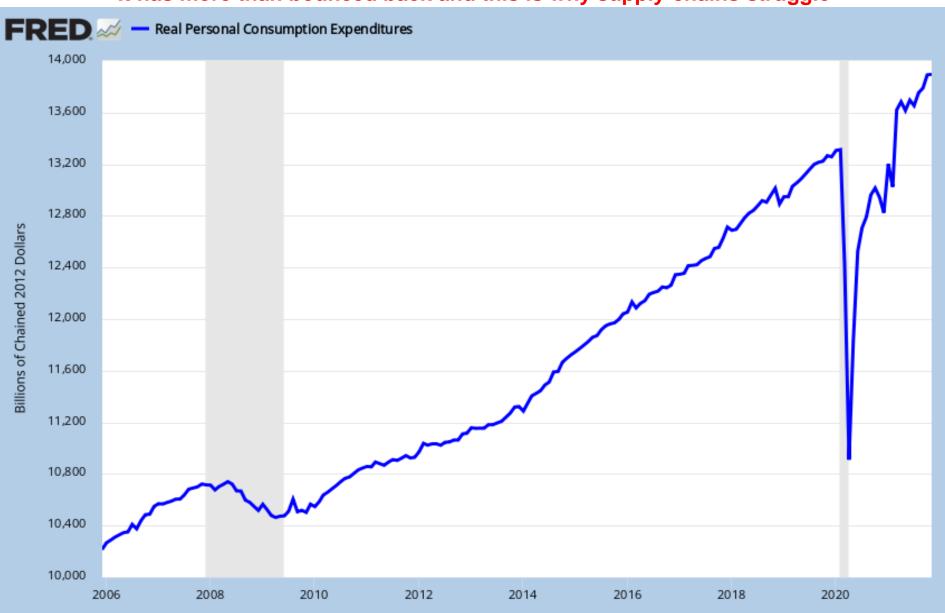
Activity is down 24%. This only includes restaurants that have reopened

Compared to 2019, Seated Diners from Online, Phone or Walk-in Reservations, 7 Day Average



#### **Real Personal Consumption Expenditures**

It has more than bounced back and this is why supply-chains struggle



Shaded areas indicate U.S. recessions.

Source: U.S. Bureau of Economic Analysis

myf.red/g/KaME

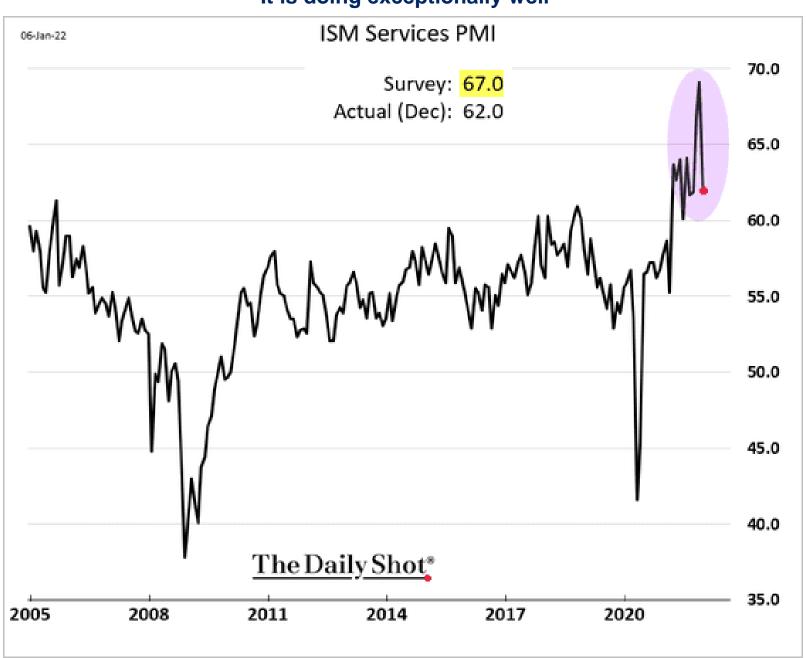
#### **ISM Manufacturing Rebounds Strongly**

Down a bit but still very strong



#### **ISM Services Number Holds**

It is doing exceptionally well

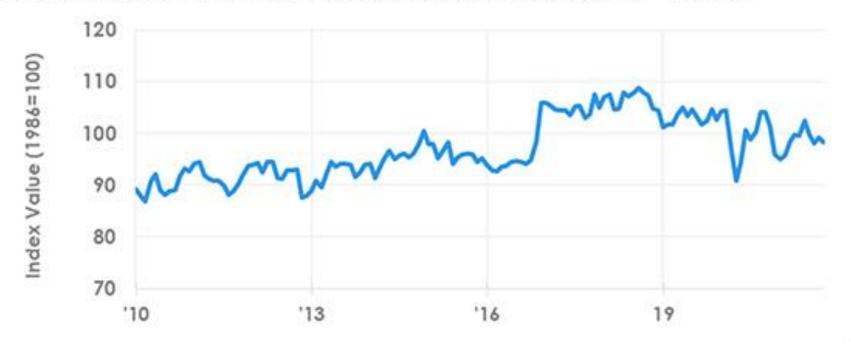


#### **Small Business Confidence Struggles Slightly**

The level is slightly above its long-term average of 98



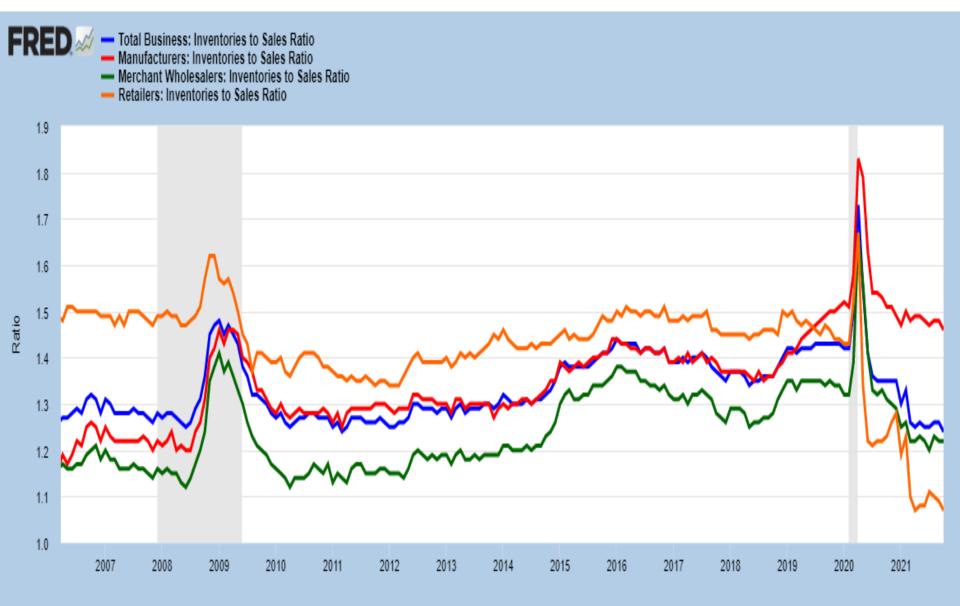
Based on 10 survey indicators, seasonally adjusted, Jan. '10 - Nov. '21





#### **Inventory to Sales Ratios Stop Falling**

All inventory ratios and especially retailer inventories are way too low



Shaded areas indicate U.S. recessions. Source: U.S. Census Bureau fred.stlouisfed.org

#### **Ship Backup Lessens?**

This is not a good thing

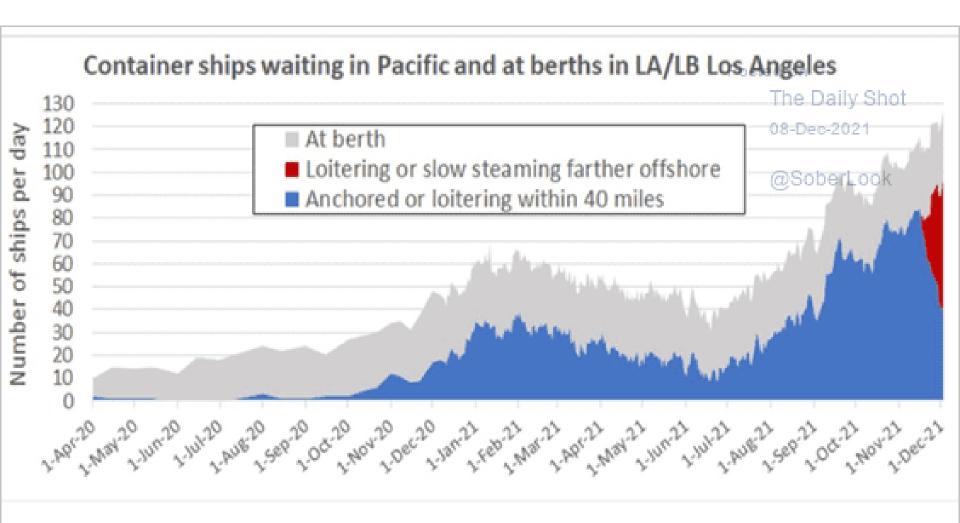
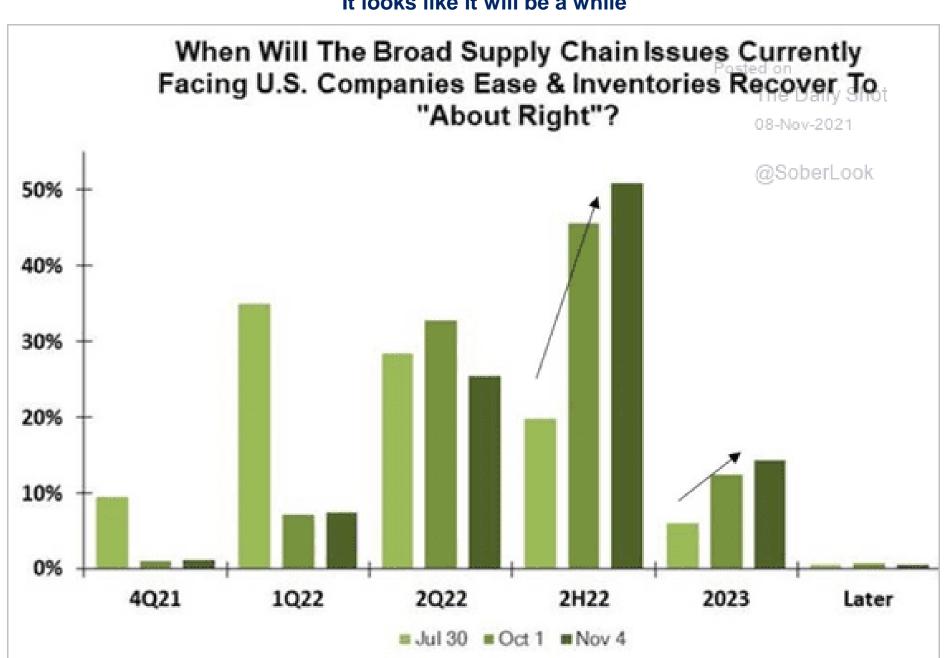


Chart: American Shipper based on data from Marine Exchange of Southern California

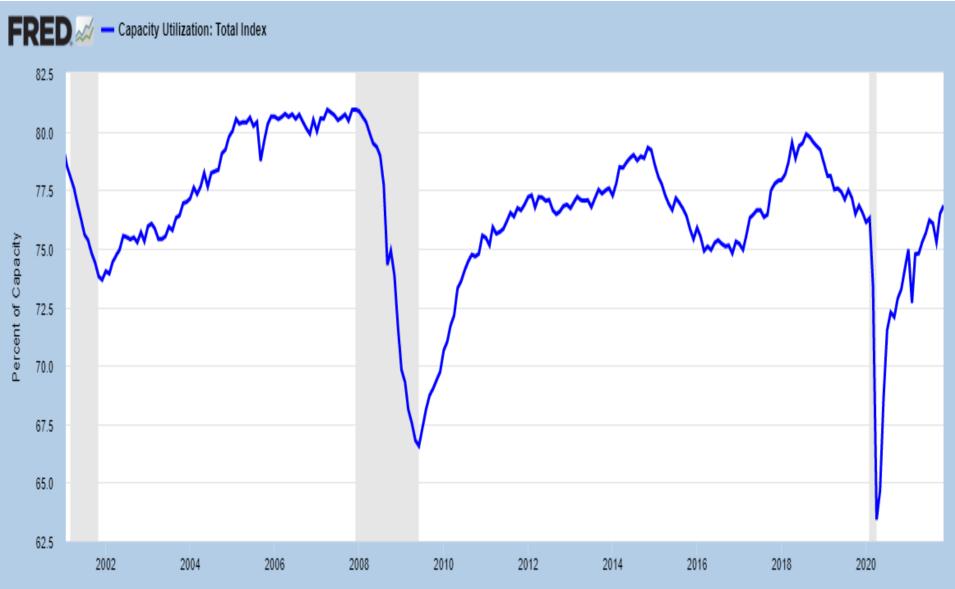
#### When Will Supply-Chains Ease?

It looks like it will be a while



#### **Capacity Utilization Rates are Recovering**

Close to its pre-Covid level. Weak due to ubiquitous shortages and bottlenecks



Shaded areas indicate U.S. recessions.

Source: Board of Governors of the Federal Reserve System (US)

fred.stlouisfed.org

#### **Capital Goods Orders Are Superb**

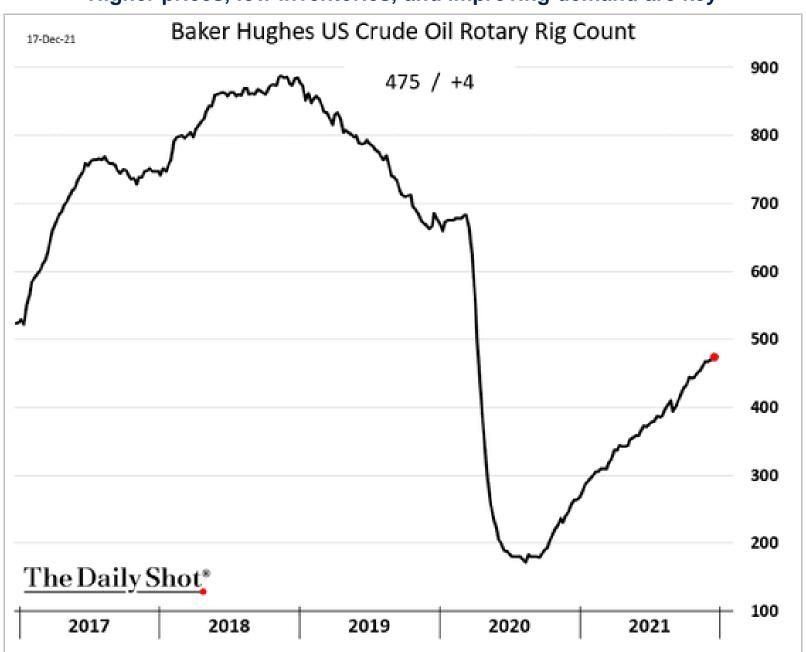
Despite all the recent trauma orders have more than recovered



Shaded areas indicate U.S. recessions. Source: U.S. Census Bureau fred.stlouisfed.org

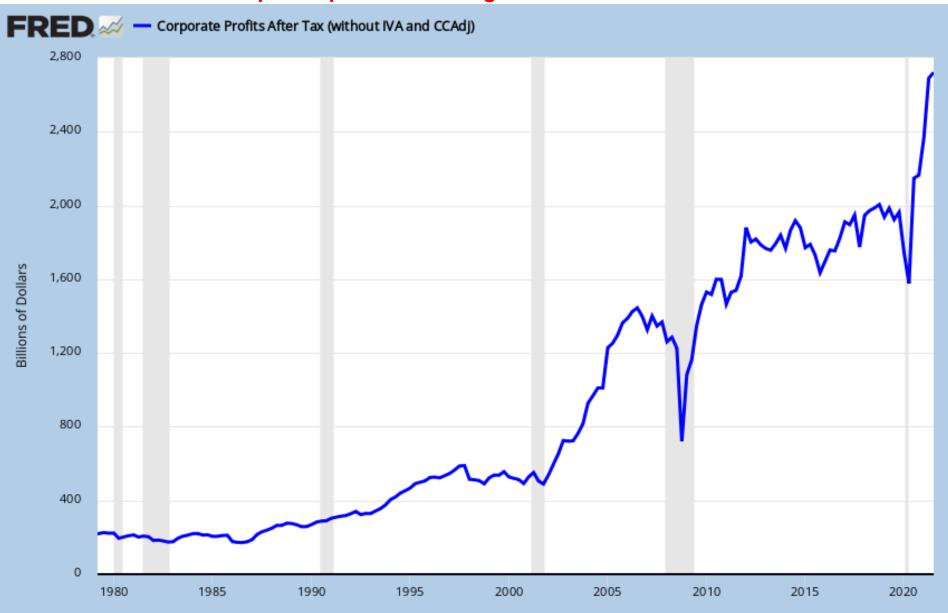
#### **US Rig Counts Continue Rising**

Higher prices, low inventories, and improving demand are key



#### **Corporate Profits Skyrocket**

Corporate profits are at highest nominal level ever



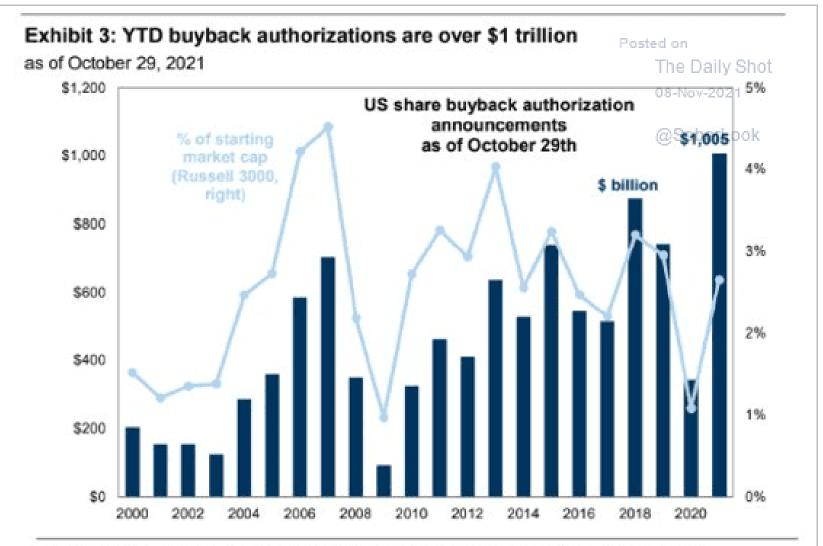
Shaded areas indicate U.S. recessions.

Source: U.S. Bureau of Economic Analysis

myf.red/g/KaJP

#### **Share Buybacks Jump**

Up by over 200% over 2020



Source: Goldman Sachs Global Markets Division, Goldman Sachs Global Investment Research

29 October 2021

#### The Stock Market Is Doing Well

**Despite numerous stressors** 



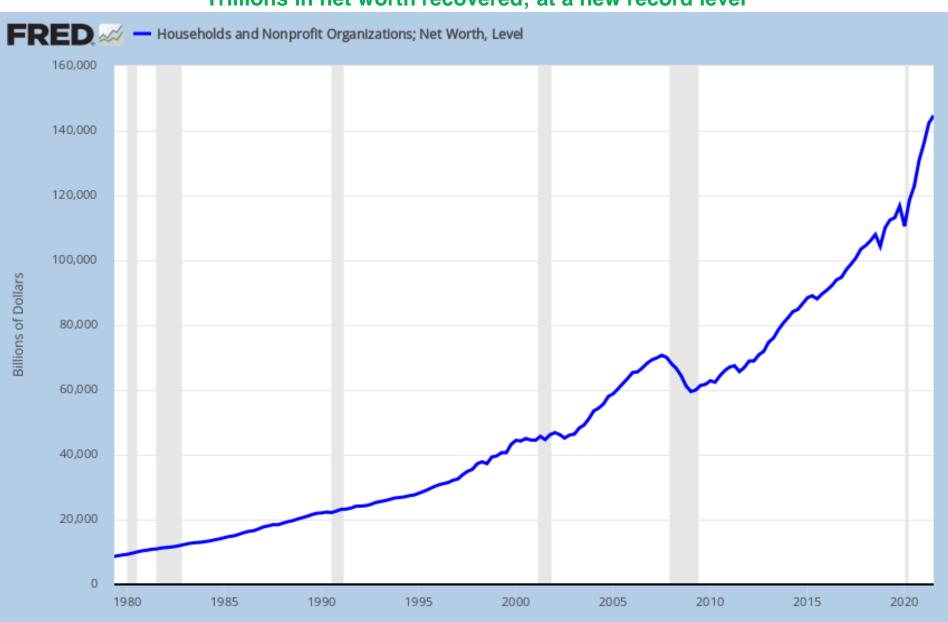
Shaded areas indicate U.S. recessions.

Source: S&P Dow Jones Indices LLC

myf.red/g/J2v5

#### **Household Balance Sheets Recover Quickly**

Trillions in net worth recovered; at a new record level

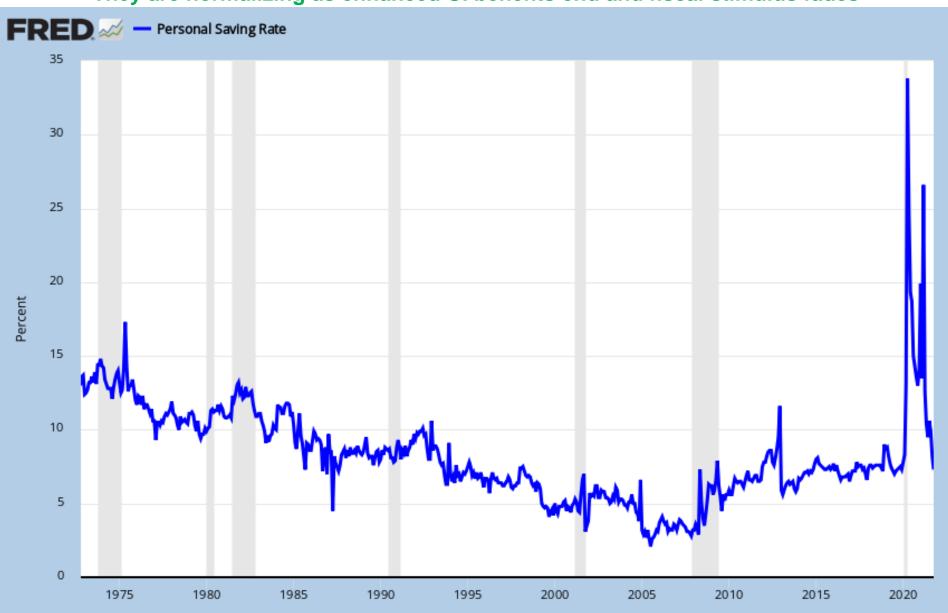


Source: Board of Governors of the Federal Reserve System (US)

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#### **Household Savings Rates**

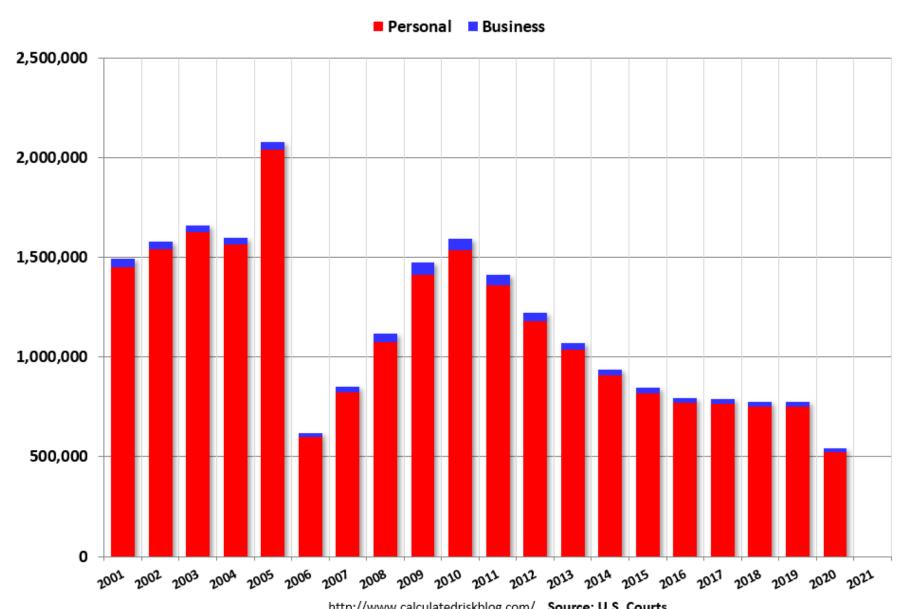
They are normalizing as enhanced UI benefits end and fiscal stimulus fades



#### Household and Business Bankruptcies are Low

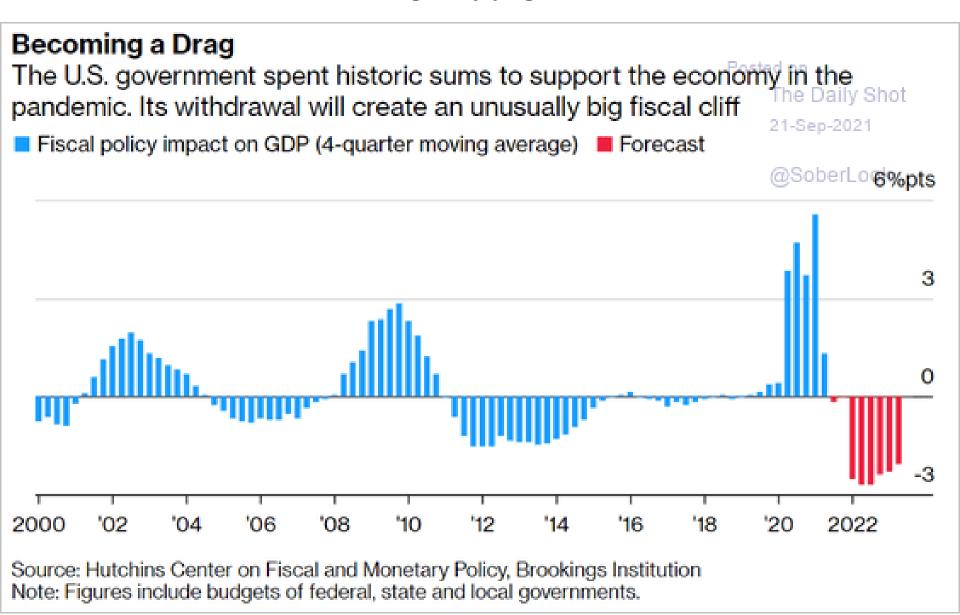
This suggests a rebound in 2021 as helpful policies melt away

#### Bankruptcy Filings per Calendar Year



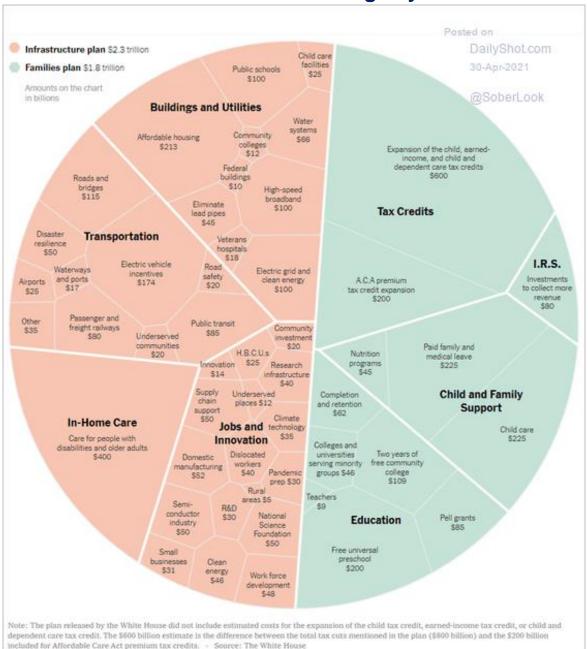
#### **Fiscal Policy Was Very Stimulative**

We are no longer enjoying fiscal stimulus



#### **Biden's \$4 Trillion Family & Jobs Plans**

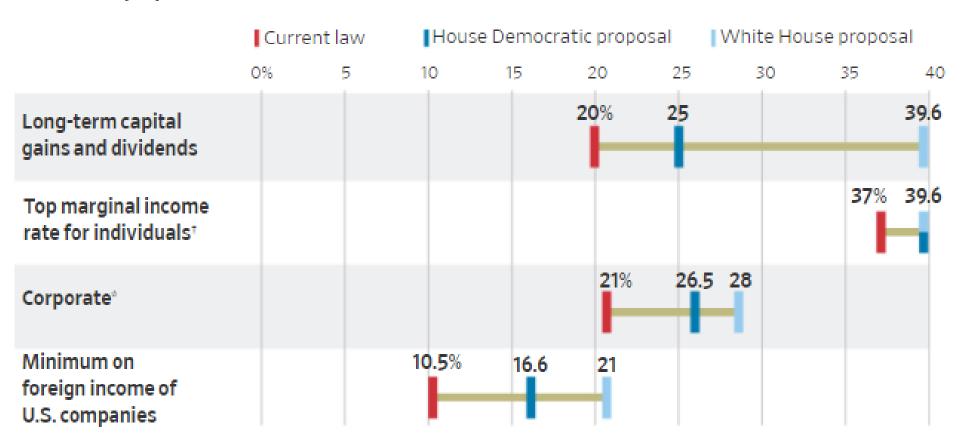
How much will the bills change by the end?



#### **Democratic Tax Proposals**

#### Support must be virtually unanimous

#### Current and proposed tax rates



<sup>&</sup>quot;Rate structure provides for a rate of 18 percent on the first \$400,000 of income; 21 percent on income up to \$5 million, and a rate of 26.5% on income thereafter. 'Doesn't include a separate 3.8% tax on top earners and a separate proposed Ways and Means Committee 3% surtax above \$5 million

Source: House Ways and Means Committee

#### **Global Growth in 2022 & 2023**

#### Growth slows but remains quite elevated in developed nations

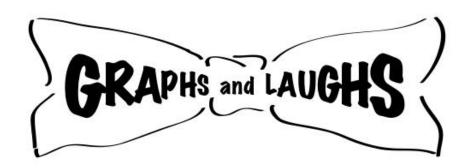
Exhibit 2: Another Strong Year Coming in 2022

Real GDP Growth								
Percent Change yoy	2020	2021		2022 (		2023		Potential
		GS	Comusus	GS	Consusus	GS	Cornsus	GS
us	-3.4	5.5	5.7	3.9	4.0	2.1	2.4	1.8
Euro Area	-6.5	5.2	5.1	4.4	4.3	2.4	2.1	1.1
Germany	-4.9	2.9	2.8	4.0	4.3	2.4	2.0	1.4
France	-8.0	6.9	6.3	4.5	4.0	2.4	2.2	1.1
Italy	-9.0	6.4	6.1	4.5	4.3	2.1	1.9	0.6
Spain	-10.8	4.5	5.5	6.5	5.8	3.9	3.1	1.2
Japan	-4.6	2.3	2.4	2.8	2.6	1.6	1.3	1.0
UK	-9.7	7.1	7.0	5.3	5.0	2.3	2.0	1.4
Canada	-5.3	4.8	5.0	4.0	4.0	3.1	2.4	1.8
China	2.3	7.8	8.1	4.8	5.5	4.6	5.4	5.0
India	-7.0	8.0	8.0	9.1	7.8	6.4	6.5	6.0
Brazil	-4.1	4.9	5.0	0.8	1.8	2.2	2.3	1.9
Russia	-2.9	4.4	4.3	3.1	2.5	2.9	2.1	2.1
World	-3.2	5.9	6.0	4.5	4.5	3.4	3.6	3.1

Note: All forecasts calculated on calendar year basis. 2021-2023 are GS forecasts. Potential growth estimates are for 2022, based on our supply-side model and exclude scarring. IMF forecasts used for India 2023 consensus when guarters not available in Bloomberg.

Source: Bloomberg, IMF, Goldman Sachs Global Investment Research

# Labor Markets: They Were Tight and They are Again



#### **Historical Job Totals**

The employment Level. It's now down by 3.5 million



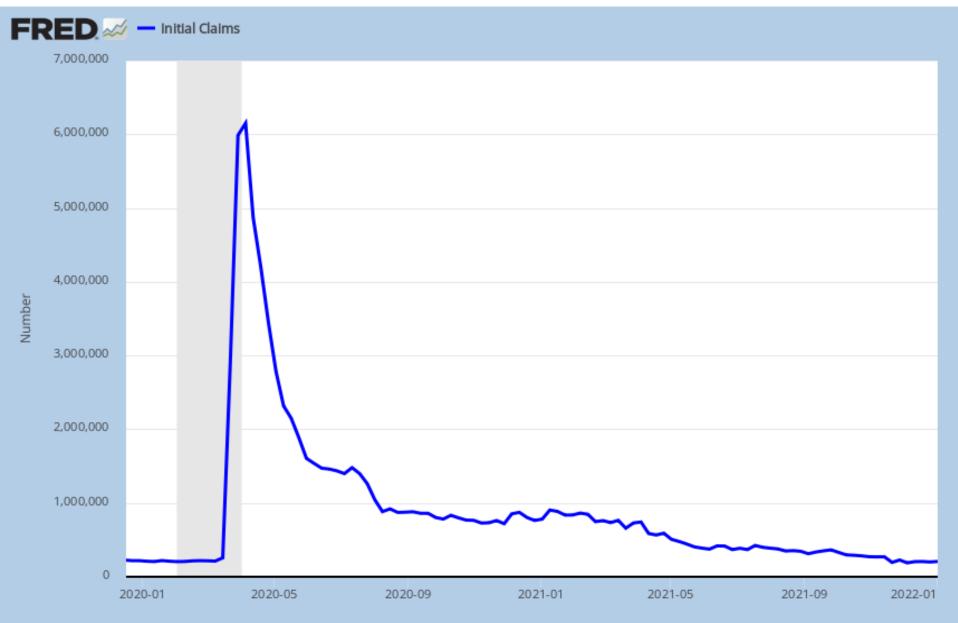
Shaded areas indicate U.S. recessions.

Source: U.S. Bureau of Labor Statistics

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#### **Involuntary Separations Are Profoundly Low**

Staggering improvement is evident

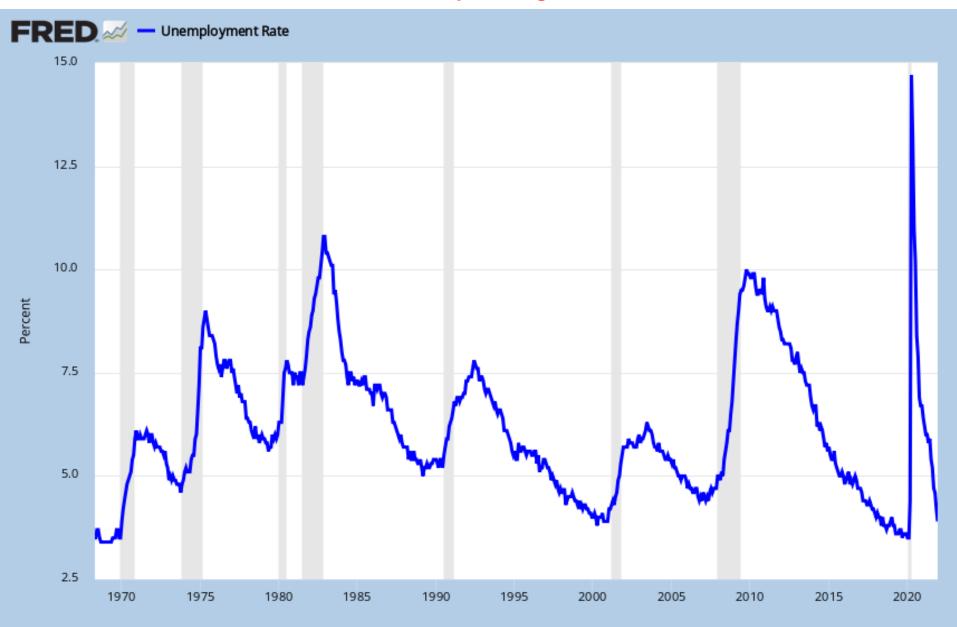


Source: U.S. Employment and Training Administration

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#### The Unemployment Rate is Way Down

The decline is not quite as good as it looks



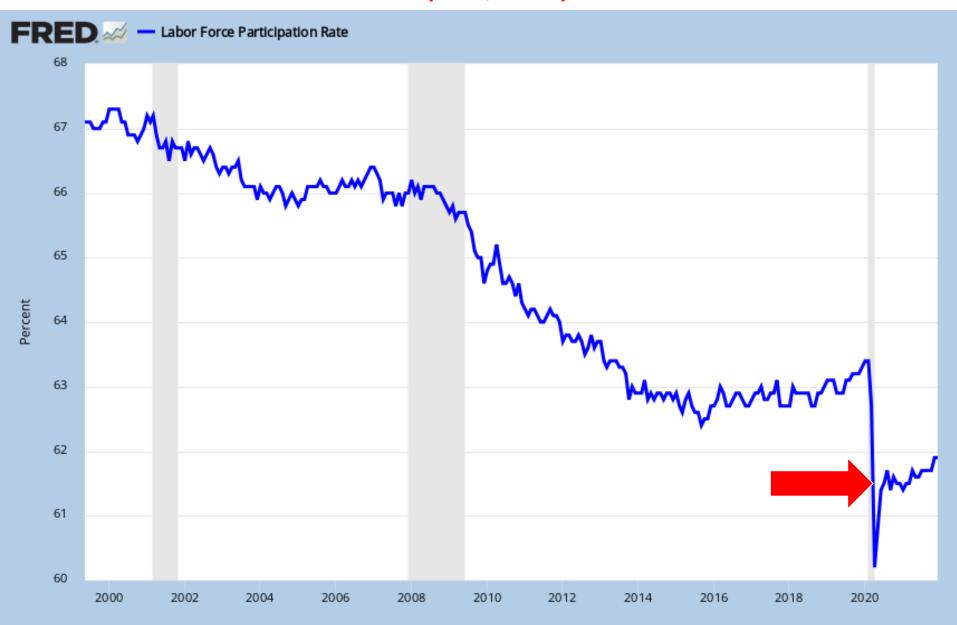
Shaded areas indicate U.S. recessions.

Source: U.S. Bureau of Labor Statistics

myf.red/g/KCHo

#### It is Now Barely Improving

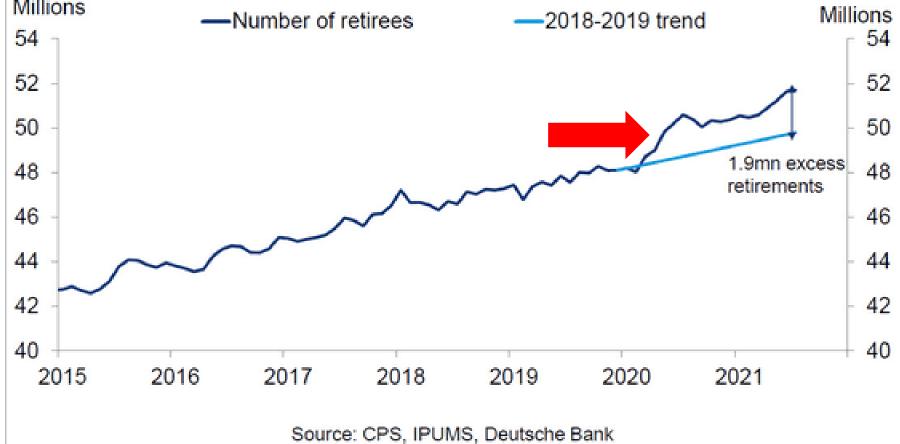
It must improve, it's imperative



#### **Retirements Jump**

These persons do not usually return to the labor force

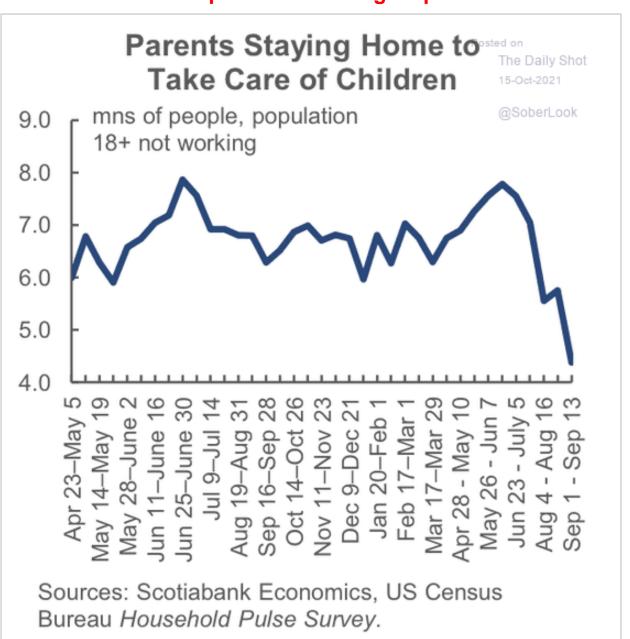
Retirements have picked up, but partly due to lack of retirees returning to the labor market The Daily S 21-Sep-2021 Number of retirees Millions Millions Number of retirees 2018-2019 trend



Deutsche Bank Luzzetti, Ryan, Weidner

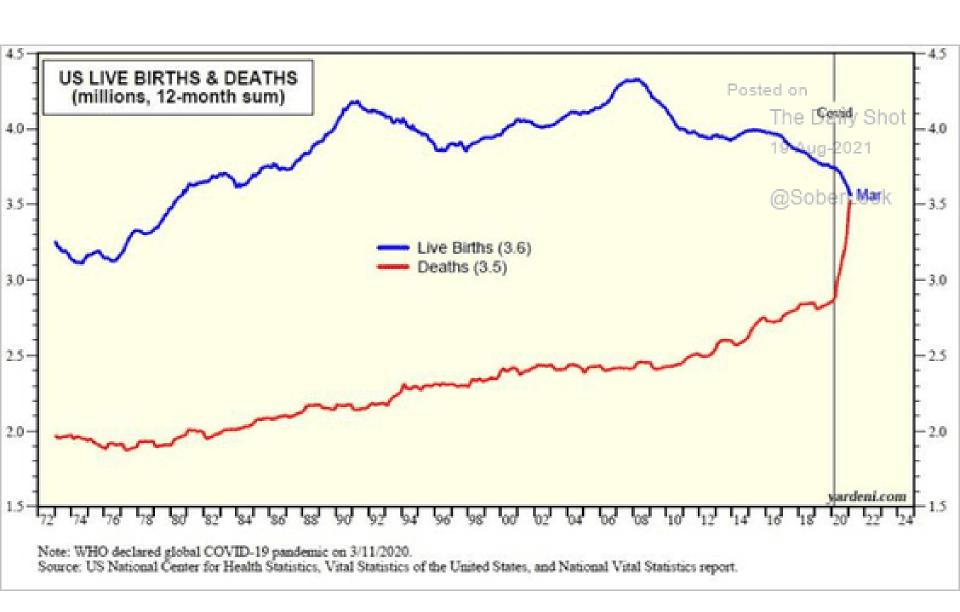
### Why Are Persons Not Working?

In-person schooling helps



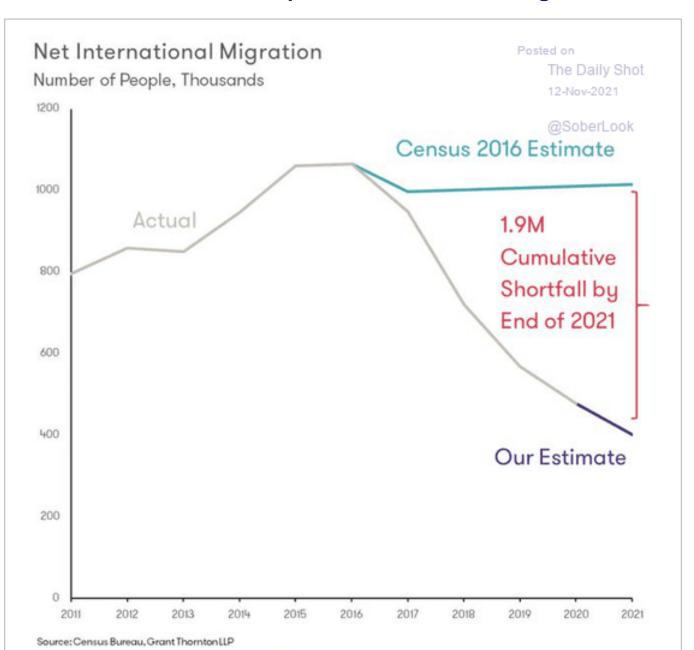
#### Births and Deaths in the USA 1972 - Present

Covid has been a disaster



## **Immigration Has Dramatically Fallen**

If it rises it will help soften the labor shortage



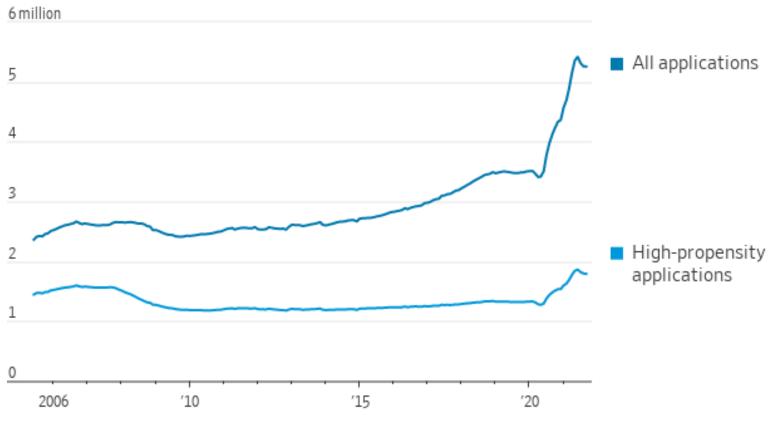
#### **New Firm Creation**

#### It is booming

#### Start Me Up

Applications to form businesses surged as coronavirus lockdowns lifted, though data suggest more interest in tiny startups rather than operations with a high propensity for hiring workers and paying wages.

#### U.S. business applications for tax IDs, 12-month rolling sum



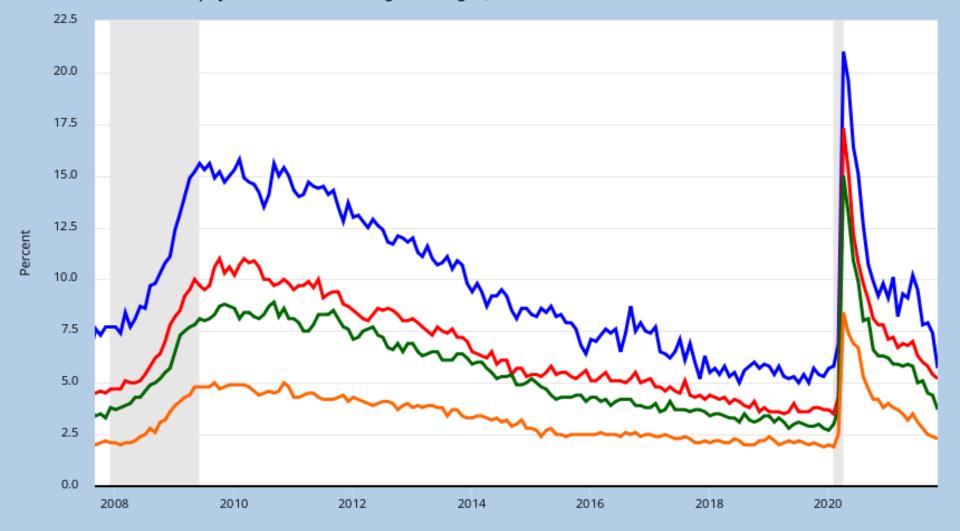
Note: Seasonally adjusted Source: Census Bureau

#### **Unemployment Rate By Education**

Rates now decline after skyrocketing. Rates are higher for the less educated

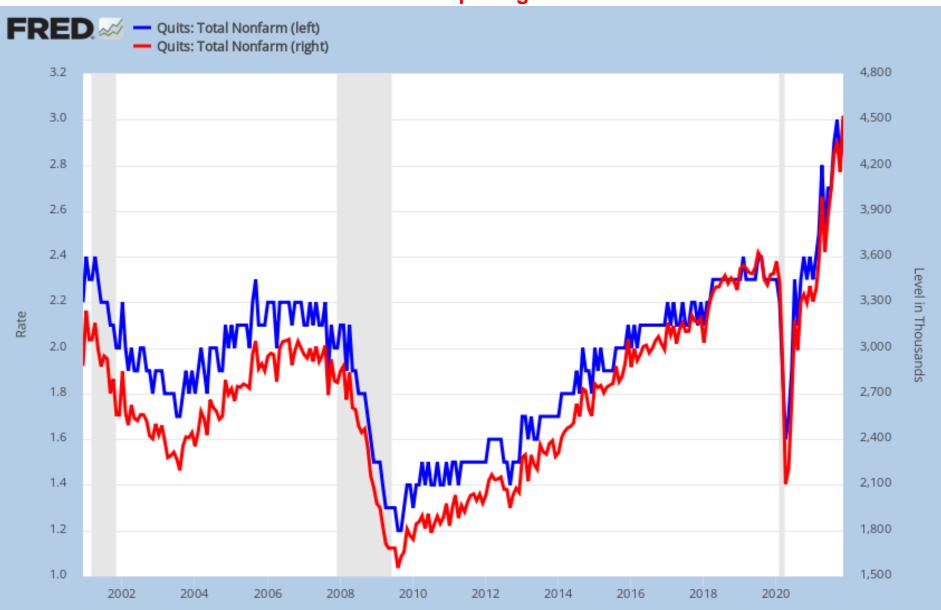


- Unemployment Rate Less Than a High School Diploma, 25 Yrs. & over
- Unemployment Rate High School Graduates, No College, 25 Yrs. & over
- Unemployment Rate Some College or Associate Degree, 25 Yrs. & over
- Unemployment Rate Bachelor's Degree and Higher, 25 Yrs. & over



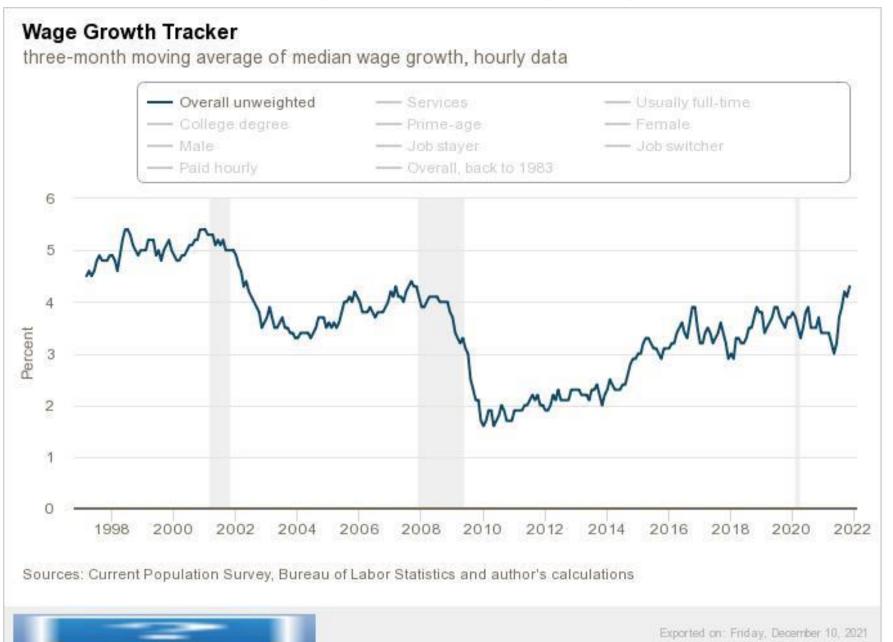
## **Quit Rates Have Skyrocketed**

Workers are quitting in droves



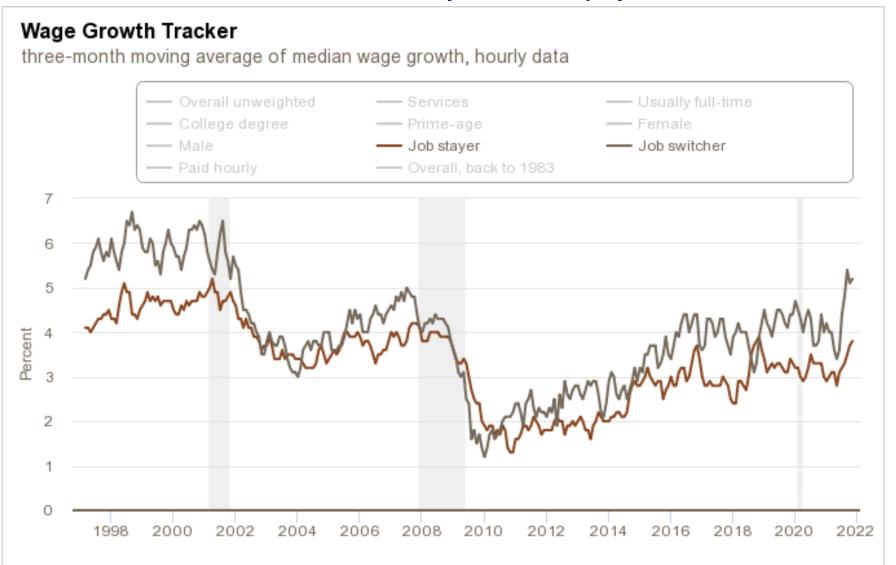
#### **Changes in Median Wage Growth**

Looks only at those continuously employed



## Median Wage Growth Gap is Very Large

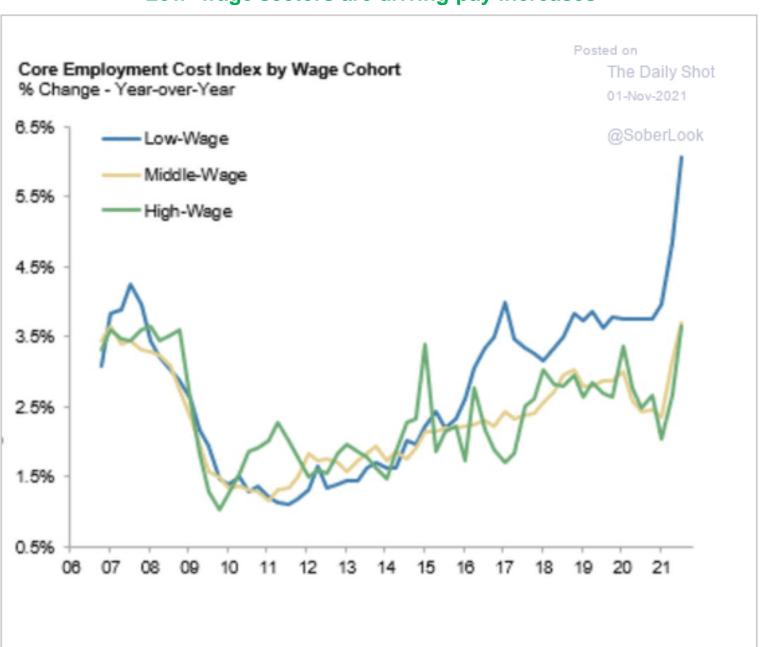
Of those continuously full-time employed



Sources: Current Population Survey, Bureau of Labor Statistics and author's calculations

#### Why Wage Growth Will Slow

Low-wage sectors are driving pay increases

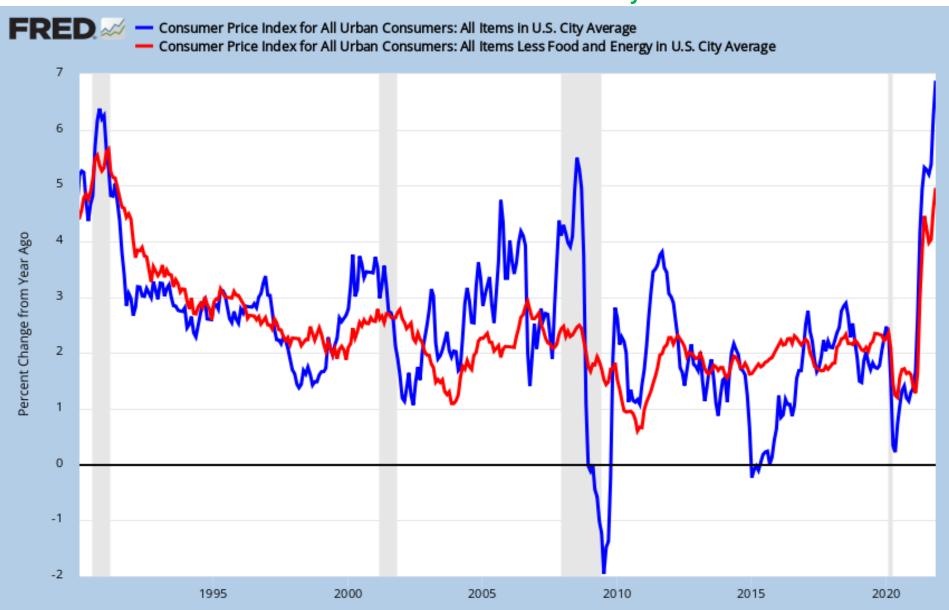


# Inflation? It's Here!



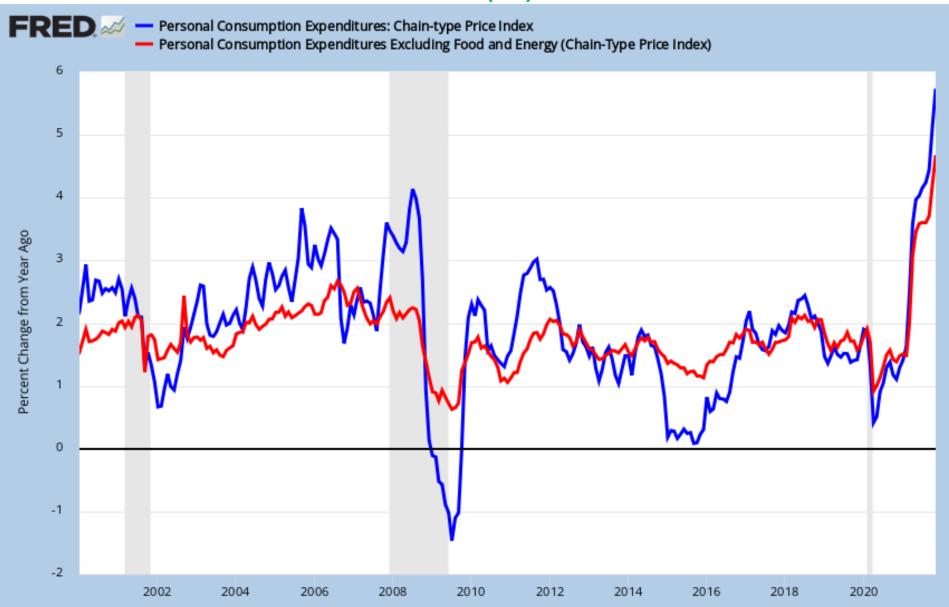
# **CPI: Inflationary Pressures are Hopefully Topping**

Watch the core numbers closely



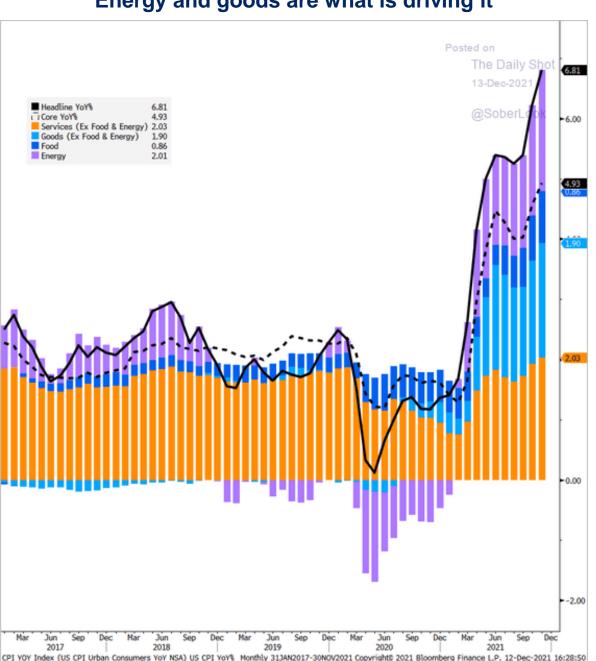
#### **Core PCE Price Index**

Focus on core (red) inflation



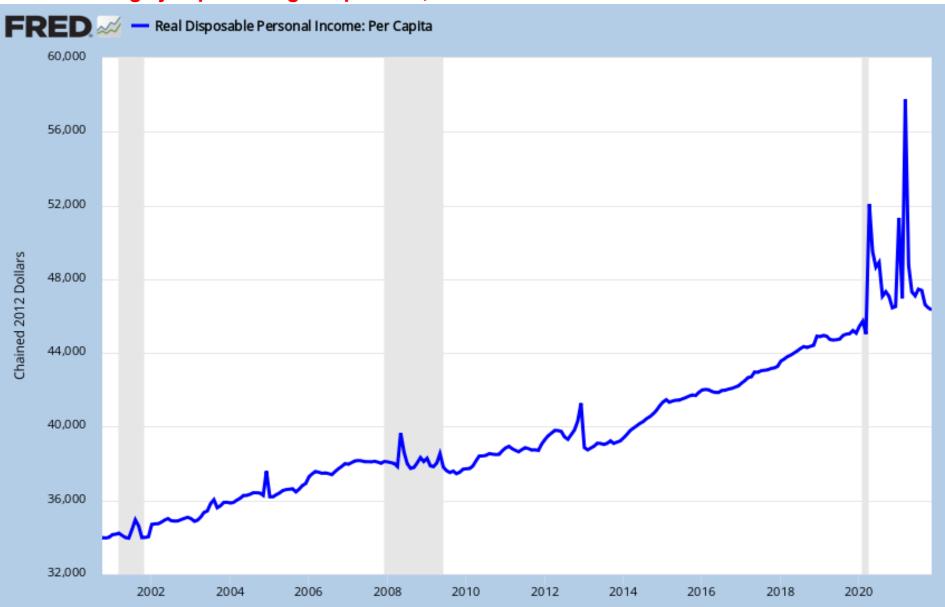
#### **Contributions to CPI**

#### Energy and goods are what is driving it



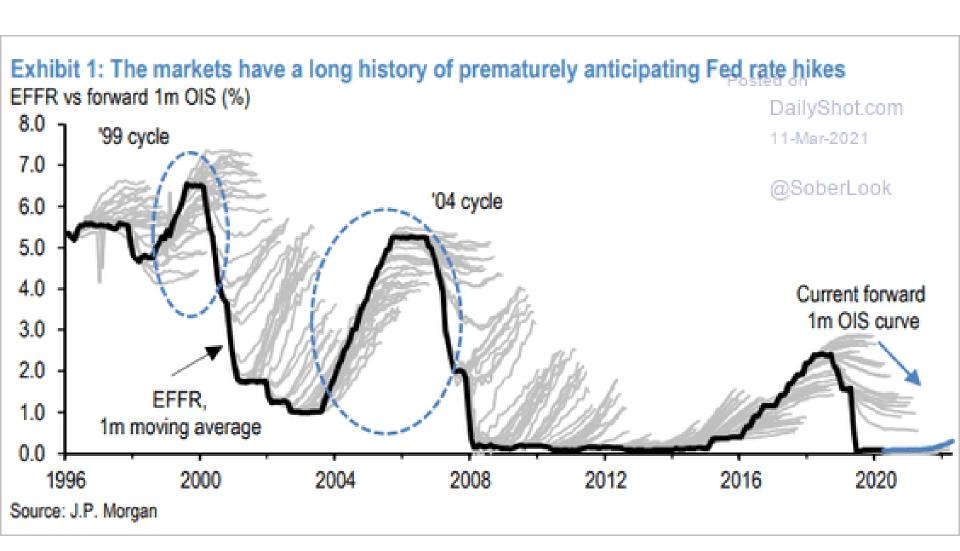
# Real Per Capita Disposable Income

A huge jump due to gov't policies, but it declined and will now return to trend



#### **Fed Rate Hike Expectations**

Markets are almost always wrong



# **Federal Reserve Behavior**

**Best Case Scenario** 

Fed funds is currently 0.125%

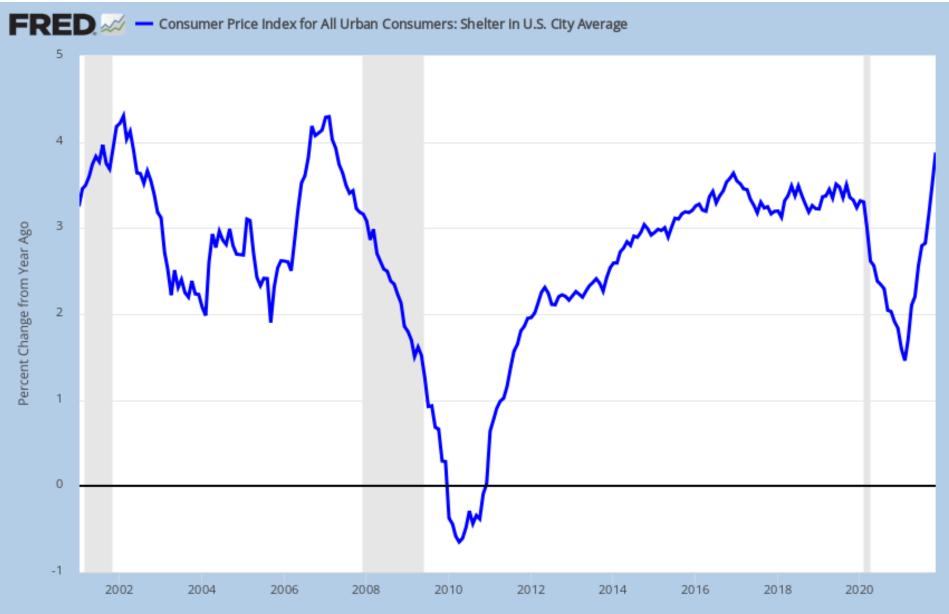
• 12/31/21: 0.125% 10-yr Treasury @ 1.70%

6/30/22: 0.375% 10-yr Treasury @ 1.90%

• 12/31/22: 0.625% 10-yr Treasury @ 2.10%

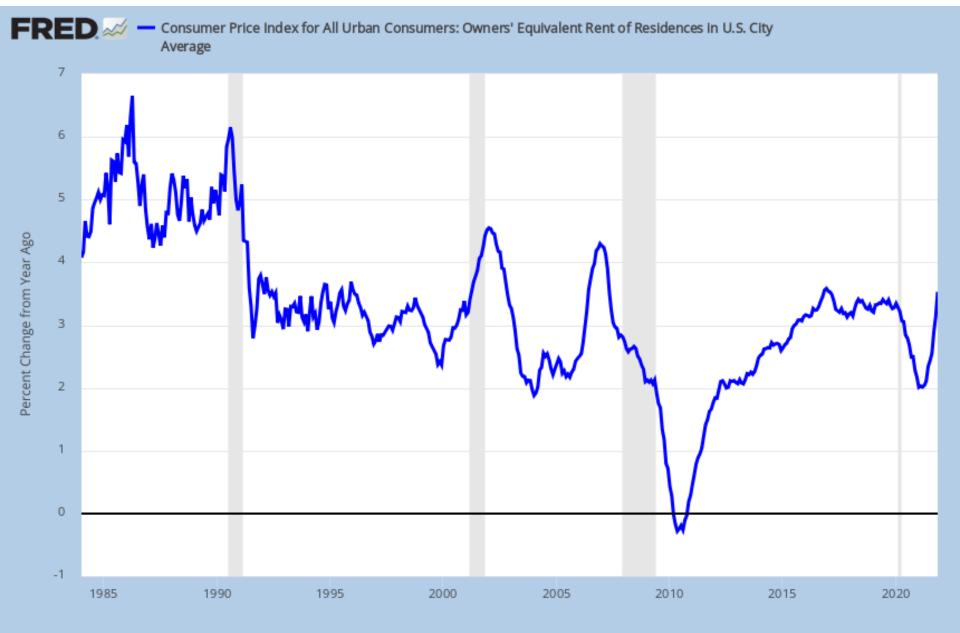
# Increase in Shelter Cost Growth is Now Rising

Was at 3.25% for years but is now 3.9% and rising



# **Rents Increases Are Again Rising**

This is 3.5% and will feed into inflation



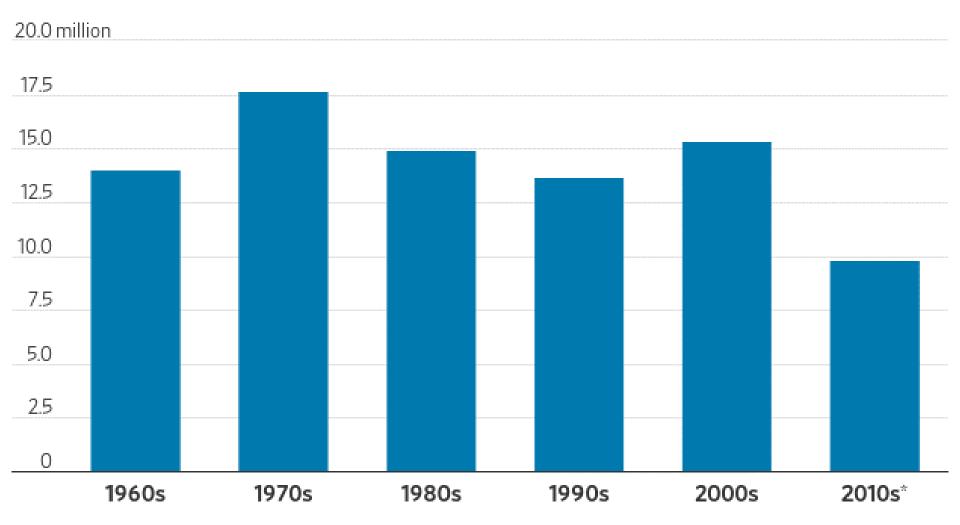
# How About Housing?



#### **US Housing Activity Was at a Multi-Decade Low**

Supply of new housing is only now recovering

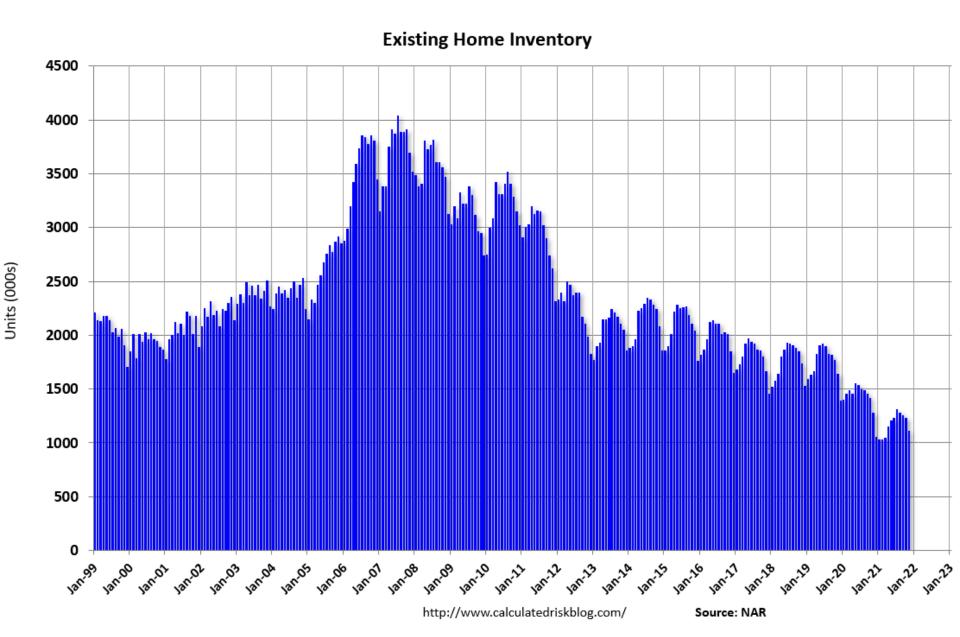
#### U.S. new-home construction by decade



Note: Data for the 2010s is through November 2019. Source: Commerce Department via the St. Louis Fed

#### **Inventory Remains Low**

How much it increases is the big question and not is the answer!



#### **Existing Inventory is So Low!**

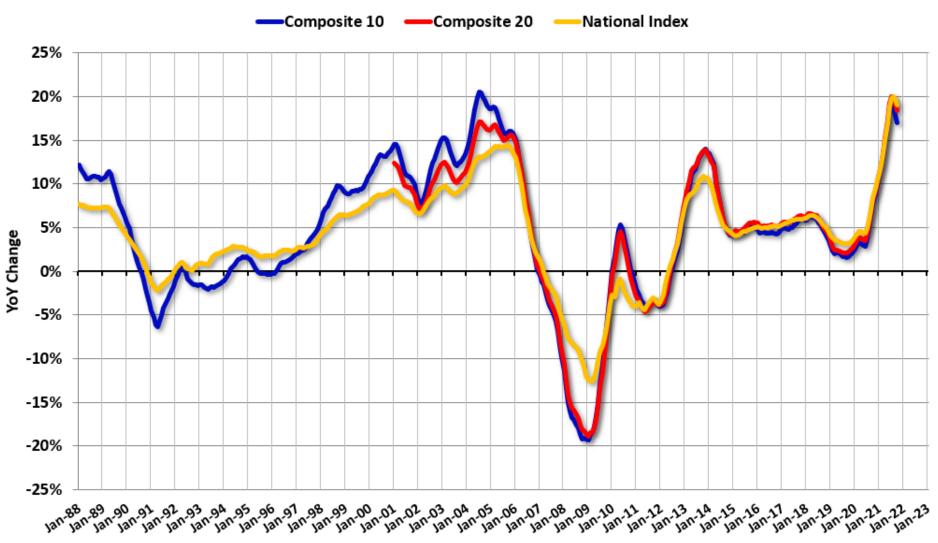
That is why home prices are rising so fast



## **Prices Keep Rising!**

Prices in '90 and '00 didn't collapse. Y-o-Y prices are up 17.1%, 18.4% or 19.1%

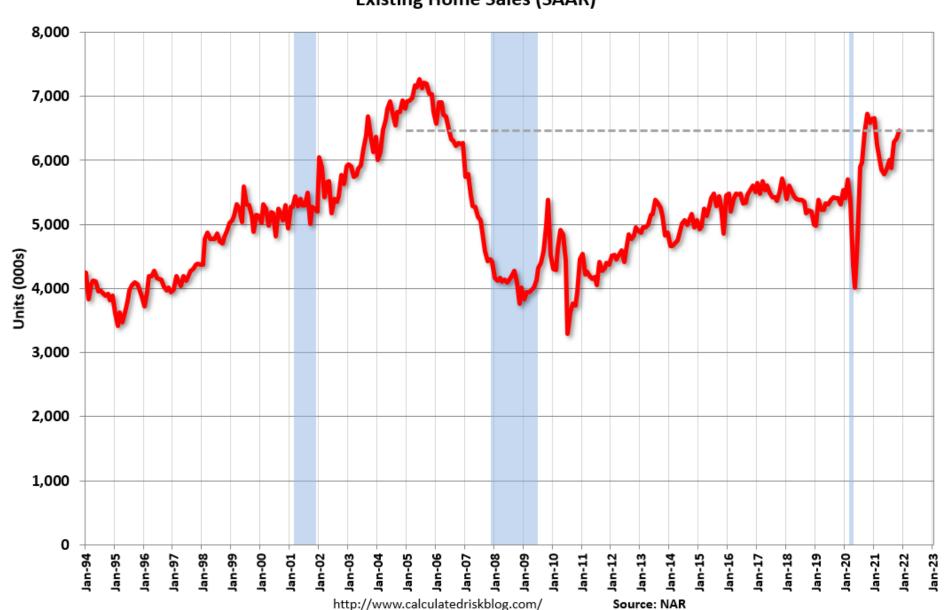
#### Case-Shiller National and Composite Indices SA, Year-over-year Change



## **Existing Home Sales Are Mean Reverting**

Late 2020 and early 2021 was recent Peak House

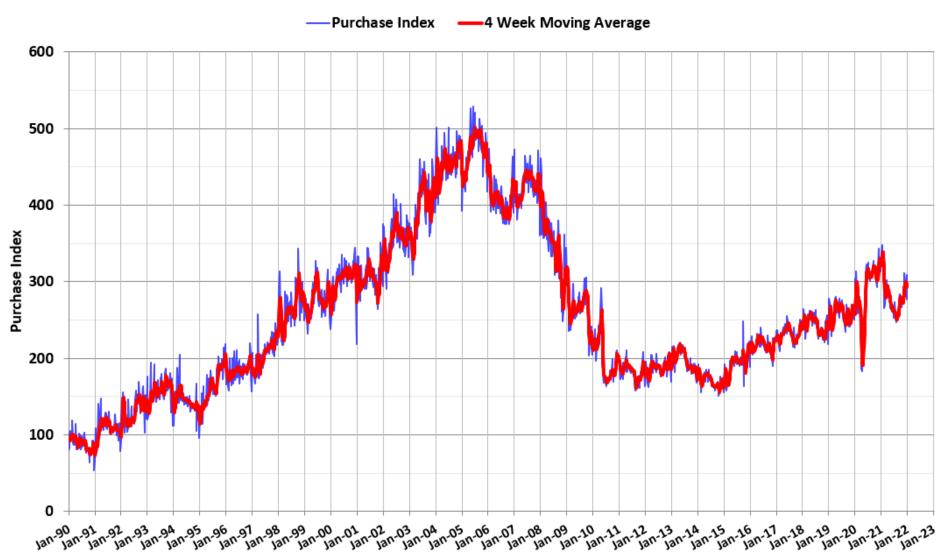
Existing Home Sales (SAAR)



#### **Mortgage Purchase Applications Slip**

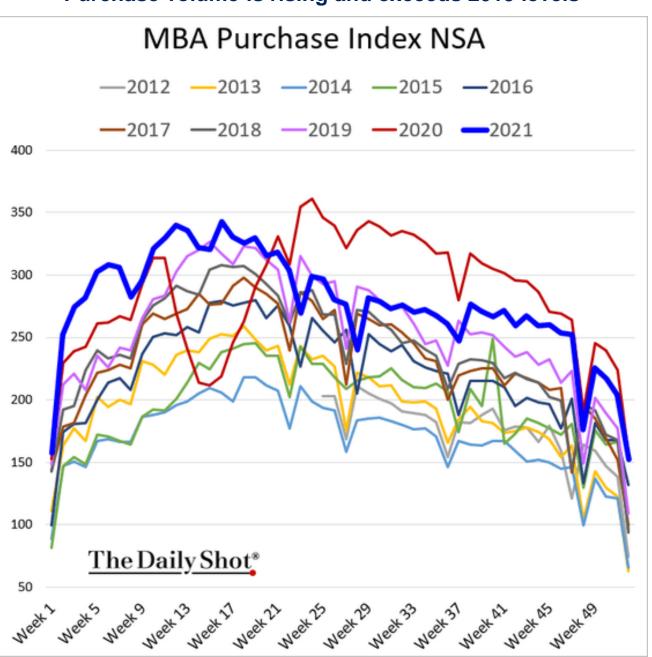
1<sup>st</sup> time applications are down 12% Y-o-Y, at level of early 2000s Purchase volume should be \$1.7 trillion in 2022 up slightly from 2021

#### MBA Purchase Applications Index



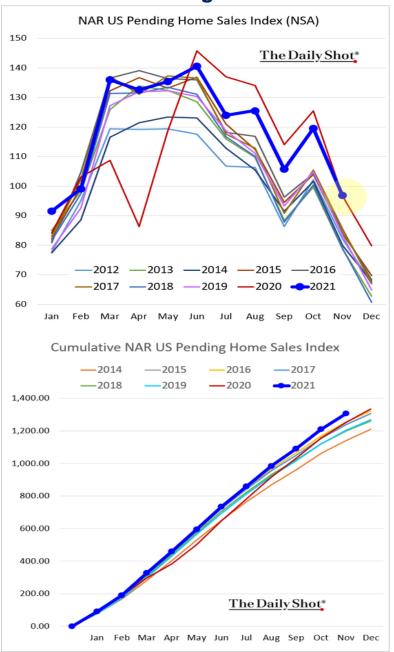
#### Mortgage Purchase Applications Strengthen

Purchase volume is rising and exceeds 2019 levels



#### **Pending Home Sales are Strengthening**

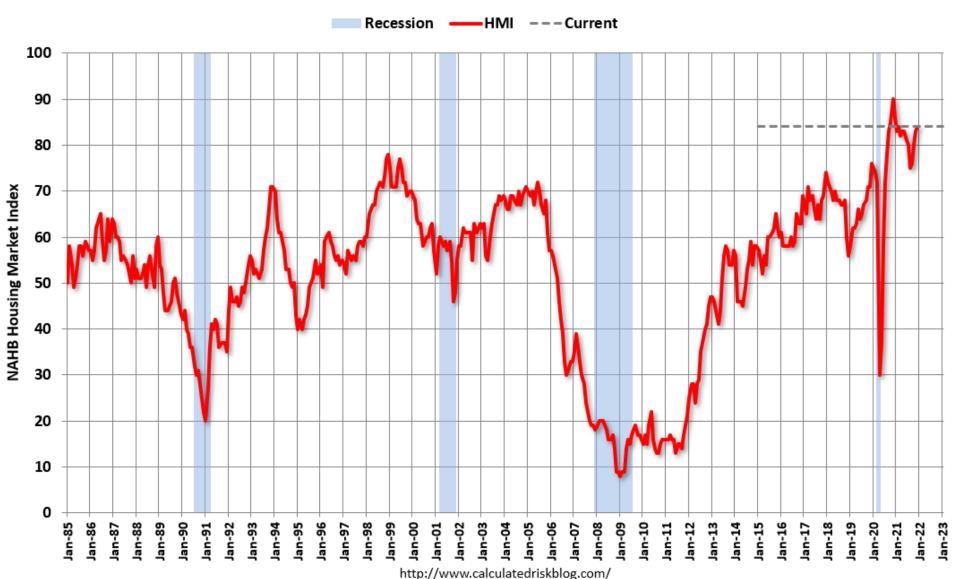
Higher inventories and fear of higher rates are boosting activity



## **Home Builders are Generally Happy**

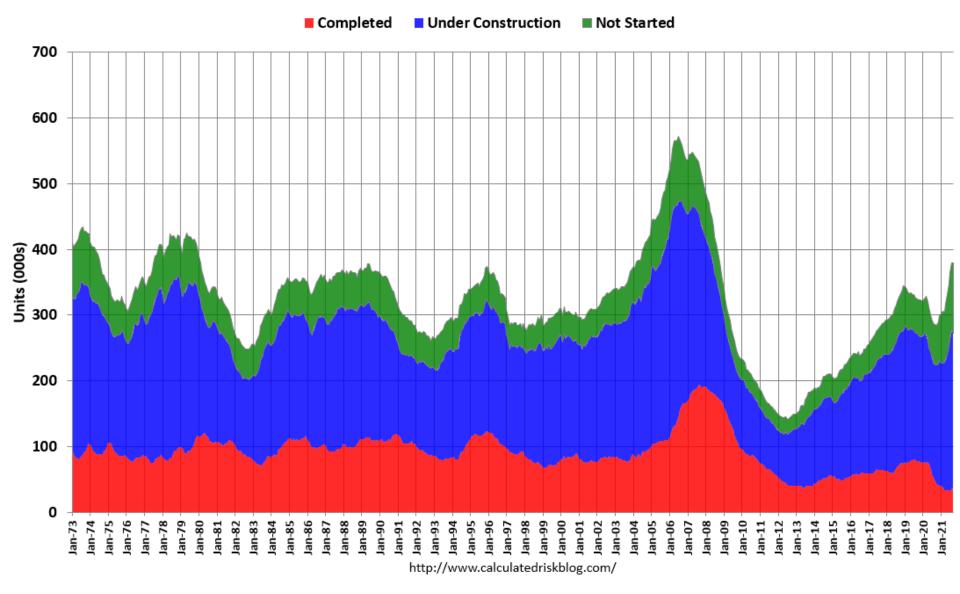
Higher lumber prices, higher rates and supply chain issues don't matter

#### NAHB Housing Market Index

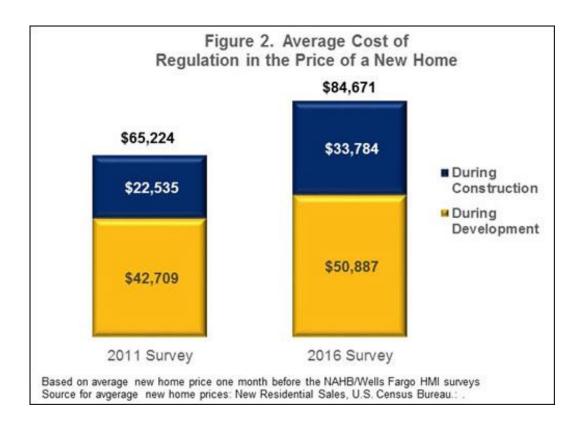


#### **New Home Inventories**





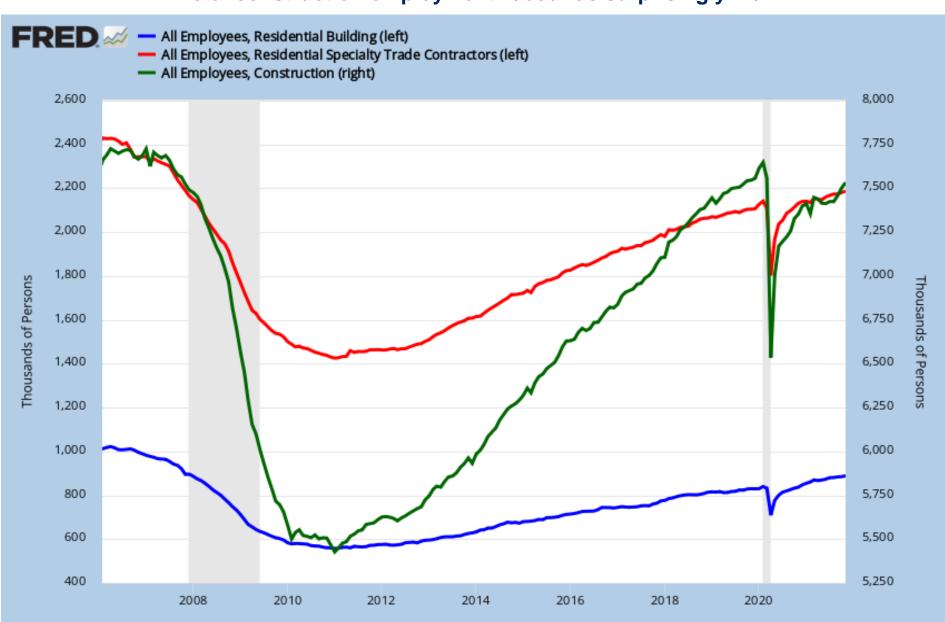
# New Home Prices Are Too High Due to Regulation It keeps rising



In the 2021 Survey, the average cost of regulation rose to \$93,870, or 23.8% of the new home price

## Construction Employment: Residential & Otherwise

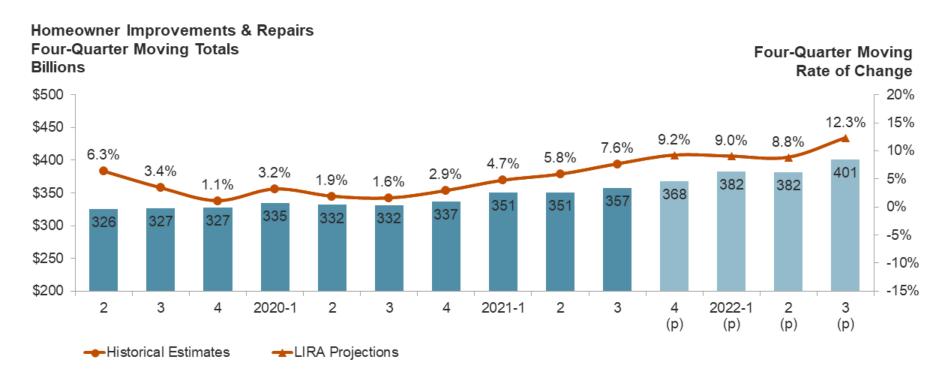
Total construction employment rebounds surprisingly well



#### **Housing Improvements & Repairs Are Fine**

Home prices rise, rates are low, existing sales are strong, and stimi checks all help

#### Leading Indicator of Remodeling Activity – Third Quarter 2021



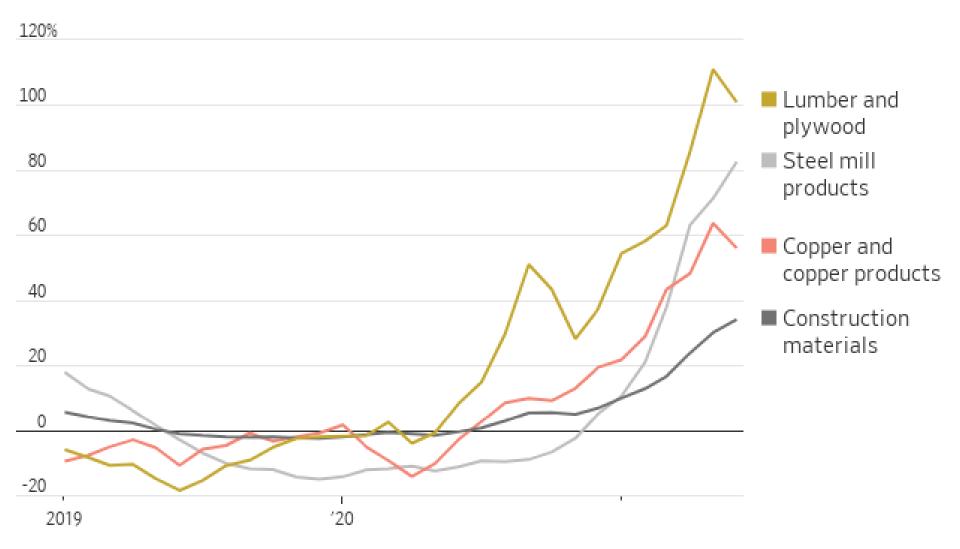
Notes: Improvements include remodels, replacements, additions, and structural alterations that increase the value of homes. Routine maintenance and repairs preserve the current quality of homes. Historical estimates since 2019 are produced using the LIRA model until American Housing Survey benchmark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



#### More than Lumber Prices Are Under Pressure

Mills had been absolutely killing it

#### U.S. producer-price index, change from one year earlier



Source: Labor Department

#### **Lumber Costs Bounce Wildly**

Prices are up 75% Y-o-Y

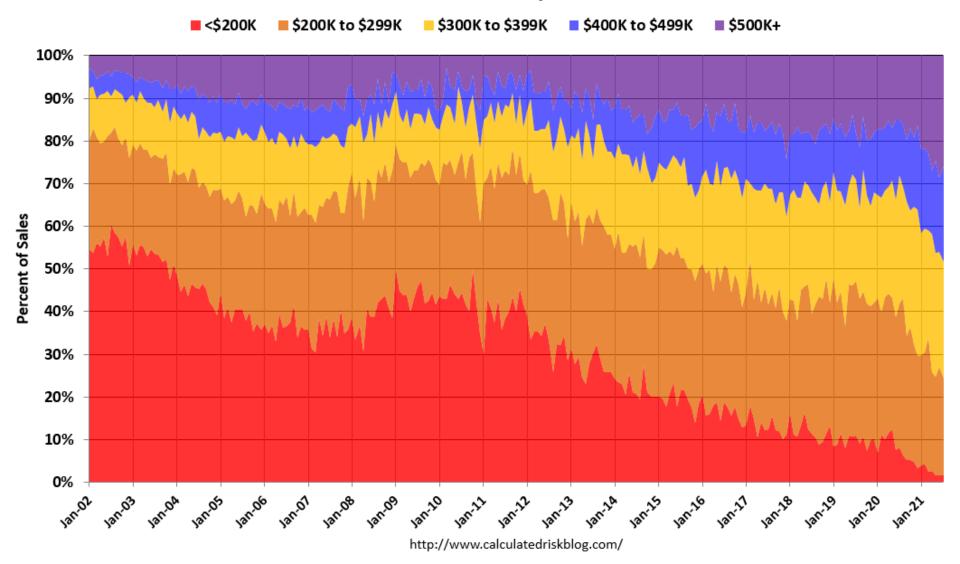
Framing Lumber Prices per 1,000 board feet



# **To Many Expensive Houses**

Almost none are below \$200,000

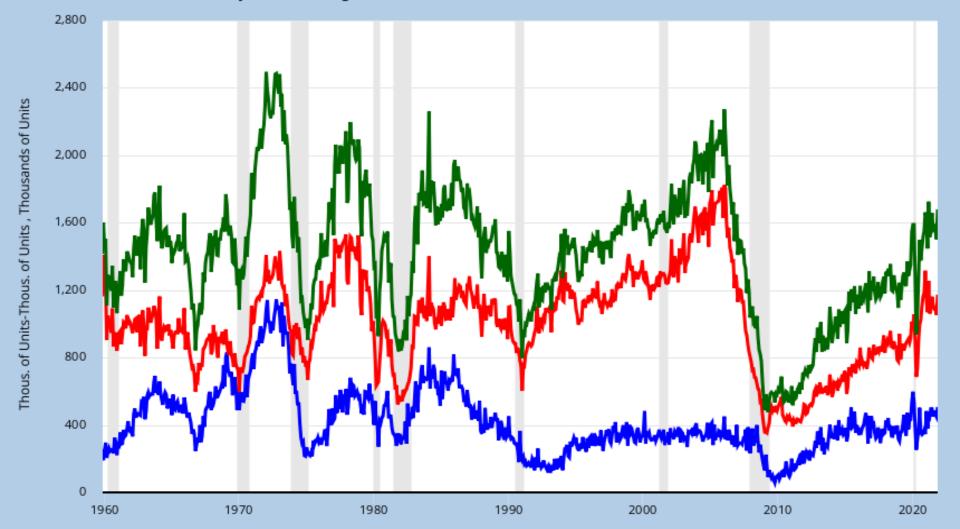
**New Home Sales by Price** 



# Single-Family and Multifamily Starts — A nice recovery SF starts have turned around quickly but have topped out



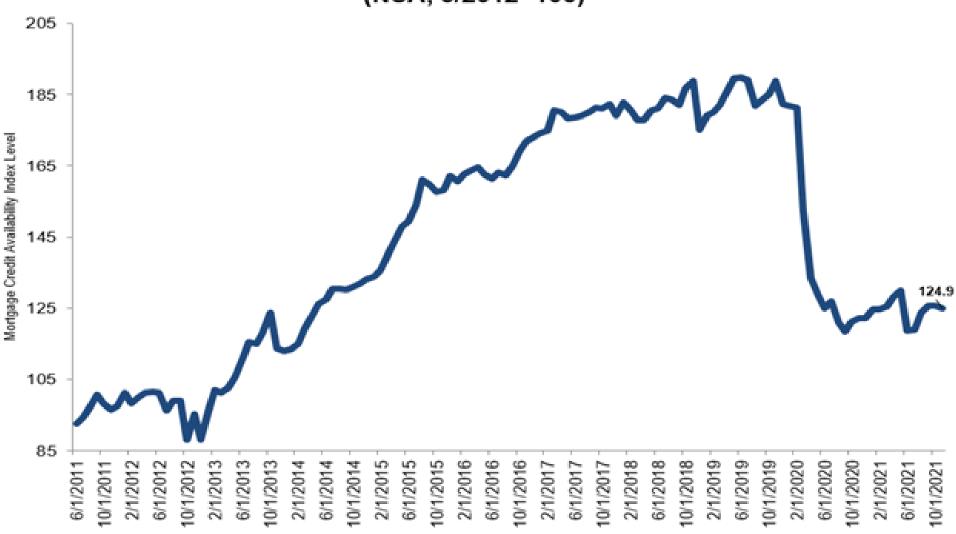
- New Privately-Owned Housing Units Started: Total Units-New Privately-Owned Housing Units Started: Single-Family Units
- New Privately-Owned Housing Units Started: Single-Family Units
- New Privately-Owned Housing Units Started: Total Units



### **Credit Remains Hard to Get**

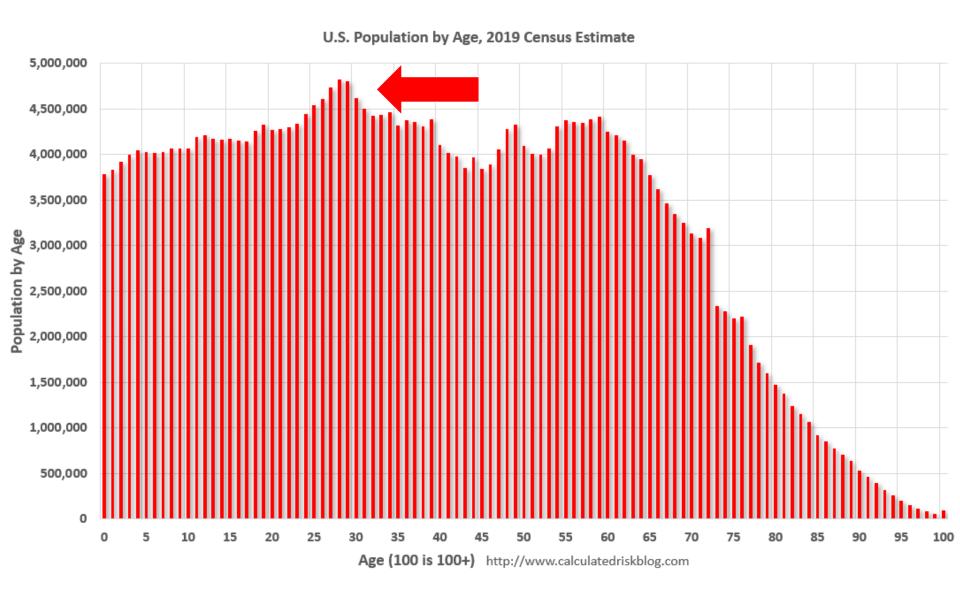
It was getting easier but now, not so much

Mortgage Credit Availability Index, Index Level by Month (NSA, 3/2012=100)



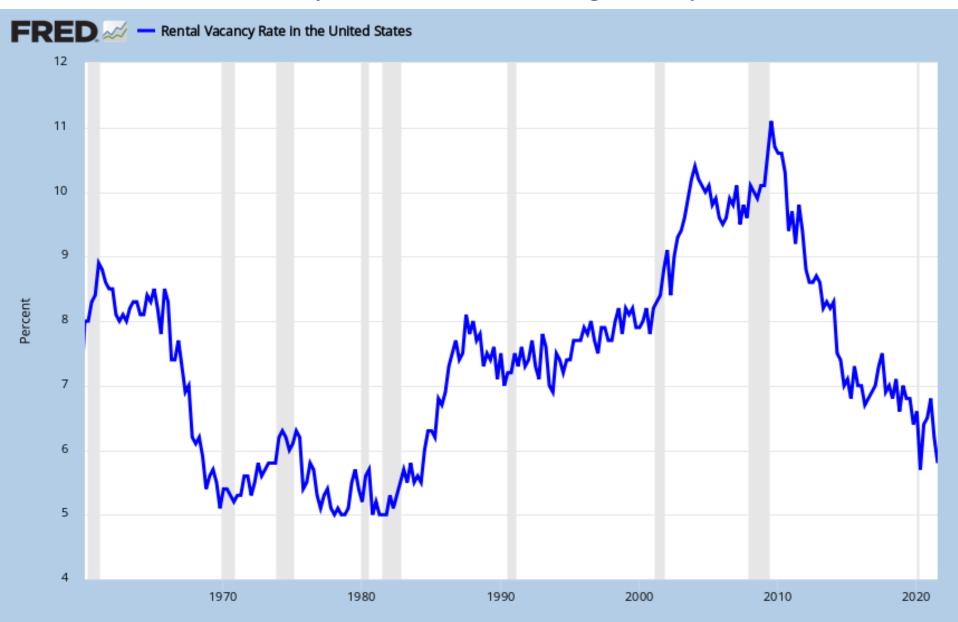
### Millennials Will Keep This Issue Front and Center

Beginning to approach Peak Millennial. Chase them, move-up buyers and Boomers



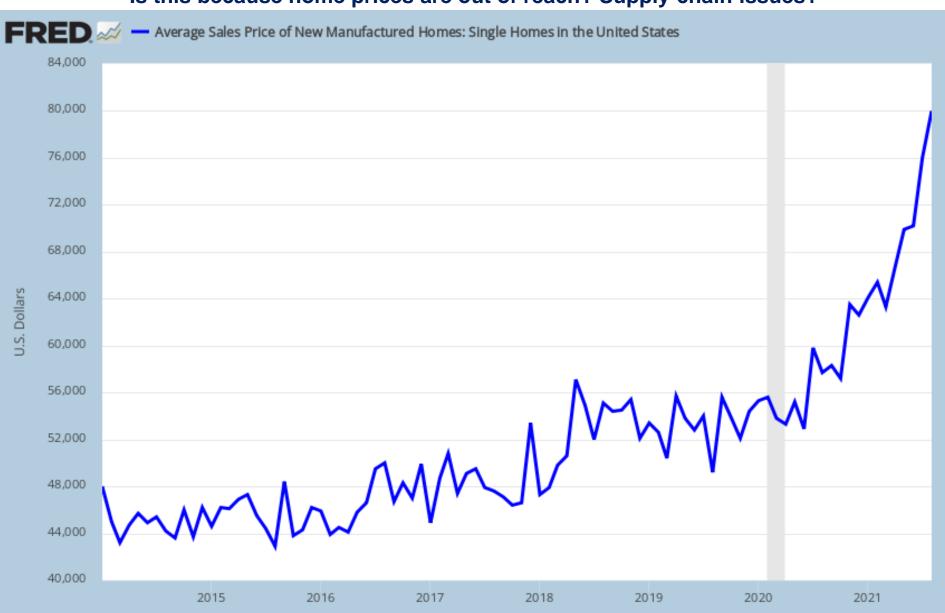
### **Apartment Vacancy Rates**

Rental vacancy rates look to be bottoming near 40-year lows



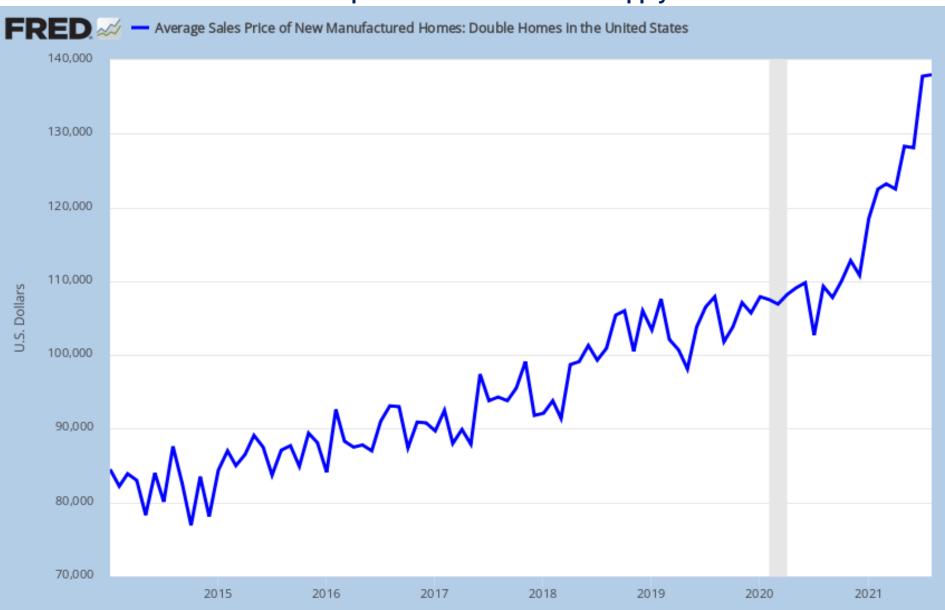
### **Mobile Home Prices are Surging**

Is this because home prices are out of reach? Supply-chain issues?



### **Double-Wide Mobile Home Prices are Surging**

Is this because home prices are out of reach? Supply-chain issues?



# What About Things Here?

### **Retirement Destinations**

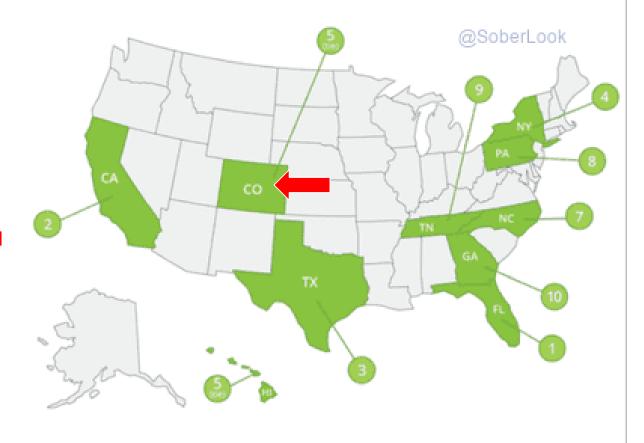
Moving Florida is #1, CA is #2 and TX is #3

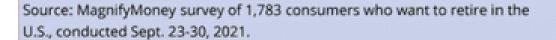
# Where Americans most want to retire in the Daily Shot

22-Nov-2021



- California
- Texas
- New York
- 6 Hawaii (tie)
- S Colorado (tie)
- North Carolina
- 8 Pennsylvania
- Tennessee
- Georgia









### **States Ranked by Popularity**

California is #12

### US states: ranked, according to Americans

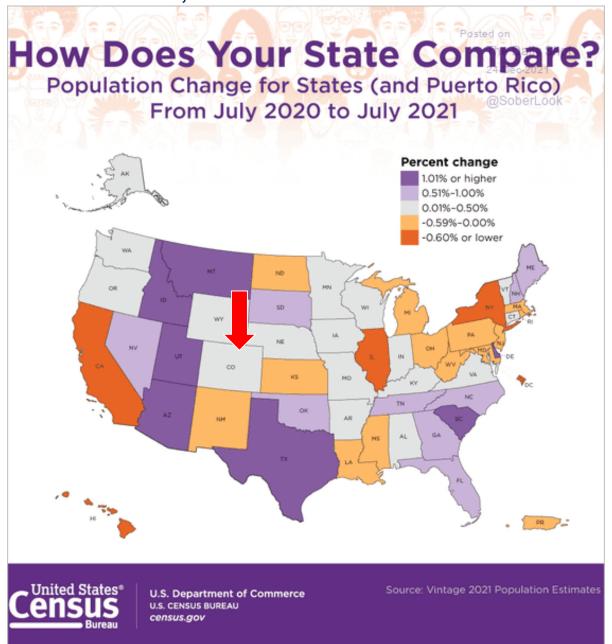
Respondents were asked to choose the better of two states from a list of the 50 states and Washington, D.C. in a series of head-to-head match-ups. Figures shown is the percentage of times each state won their match-up.

	State	Win %		State	Win %		State	19/5m 0/
	State						Sidle	Win %
1	Hawaii	69%	18	Montana	55%	35	Oklahoma	45%
2	Colorado	65%	19	New Hampshire	54%	36	West Virginia	45%
3	Virginia	64%	20	Michigan	54%	37	North Dakota	44%
4	Nevada	61%	21	Tennessee	53%	38	Wisconsin	44%
5	North Carolina	61%	22	Wyoming	53%	39	Illinois	44%
6	Florida	61%	23	Connecticut	51%	40	Idaho	43%
7	Arizona	60%	24	Minnesota	51%	41	Kansas	42%
8	New York	59%	25	Rhode Island	50%	42	Kentucky	42%
9	Georgia	58%	26	Maryland	49%	43	Missouri	42%
10	Texas	58%	27	Utah	48%	44	South Dakota	40%
11	Maine	57%	28	New Mexico	48%	45	Indiana	40%
12	California	57%	29	South Carolina	47%	46	lowa	39%
13	Alaska	57%	30	Louisiana	47%	47	Arkansas	39%
14	Vermont	56%	31	Massachusetts	46%	48	New Jersey	39%
15	Washington	56%	32	Delaware	46%	49	Mississippi	38%
16	Oregon	55%	33	Ohio	45%	50	Alabama	38%
17	Pennsylvania	55%	34	Nebraska	45%	51	District of Columbia	35%



### Population Growth by State: 2020 - 2021

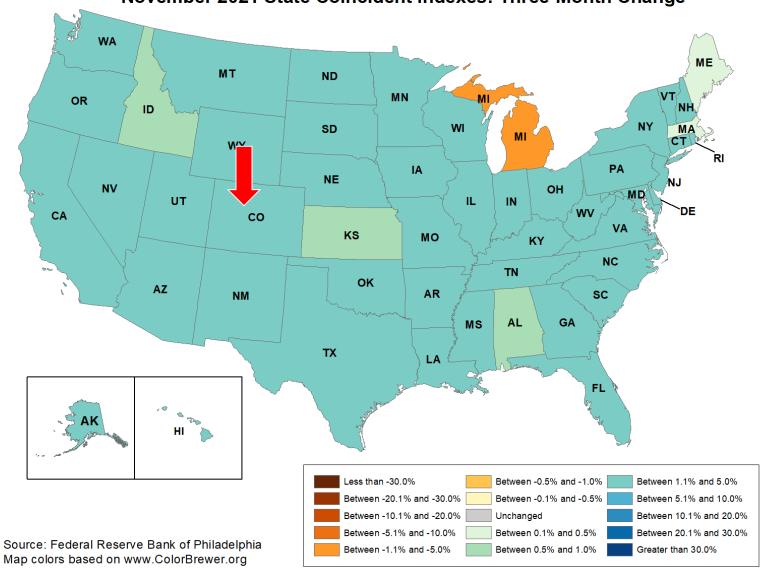
Best in Texas, the intermountain west and the South.



### **Things Are Definitely Improving**

Growth is strong just about everywhere

### November 2021 State Coincident Indexes: Three-Month Change



## **KEY TAKE AWAYS**

- 1) 2022 will be a good year!
- 2) The Fed will not raise rates till 22Q2
- 3) The US should create 4 million jobs!
- 4) Inflation should not be a problem, but....
- 5) Spending on services will rise

# **ANY QUESTIONS?**

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Thank **YOU** all very very much!

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