

## **GSB@LSU Webinar Series**

Calibrating the Commercial Real Estate Compass: The Pandemic and the Road Ahead

Wednesday September 22<sup>nd</sup>, 2021

Cal Evans

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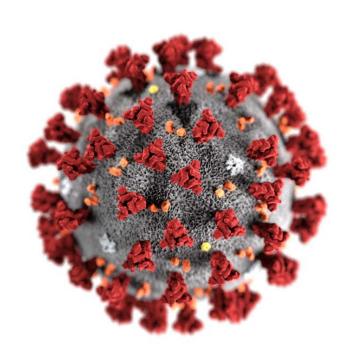
**Brooke Blackwell** 

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## 2008 vs. Pandemic: What Was Different for CRE?

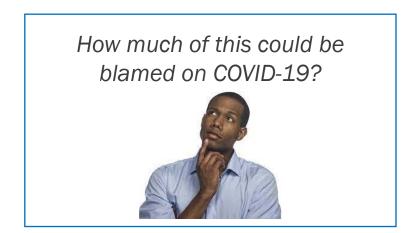
- COVID-19 prompted fast, broad-based policy effort
- Banks Well-Capitalized
- No Housing Crisis
- Technology 2020 vs. 2008
- This Is a Health Crisis!





# Let's Go Back One Year: September 2020

- Multifamily
  - End of rental assistance/first wave stimulus-how would collections fare?
  - What about all those projects that came on-line in 2020?
- Office
  - Demand challenges, specifically CBD given WFH and pre-existing secular trends
- Industrial/Warehouse
  - Revenue Bonanza!!!
- Retail
  - Pre-existing conditions plus pandemic shutdowns
  - Surprising demand for Goods
- Hotel
  - Business Travel Concerns
  - Slightly surprising secondary/tertiary market leisure/drivable destination performance





## Where is CRE Headed? Look at Fundamentals...

$$Value = \frac{Net\ Operating\ Income}{Capitalization\ Rate}$$

Capitalization Rate =

 $(Loan\ to\ Value\ \%*Yield\ to\ Bank) + (Equity\ \%*Yield\ to\ Borrower)$ 

Capitalization Rate is Weighted Average of Bank Yield and Yield to Borrower

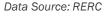




# **Numerator: Net Operating Income**

$$Value = \frac{Net\ Operating\ Income}{Capitalization\ Rate}$$

CRE Sector	4Q20 Rent Growth	4Q20 Exp Growth		2Q21 Rent Growth	2Q21 Exp Growth
Warehouse	2.9%	2.9%	1	3.3%	2.8%
Multifamily	1.9%	2.9%	1	2.9%	3.0%
CBD Office	1.2%	2.9%	-	0.9%	2.9%
Sub Office	1.4%	2.9%	-	1.2%	2.9%
Neigh/Commercial	1.4%	2.9%	-	1.3%	2.8%
Power Center	0.8%	2.9%		0.8%	2.8%
Hotel	-0.3%	2.7%		1.1%	2.8%





# **Denominator: Cap Rate YOY Migration**

$$Value = \frac{Net\ Operating\ Income}{Capitalization\ Rate}$$

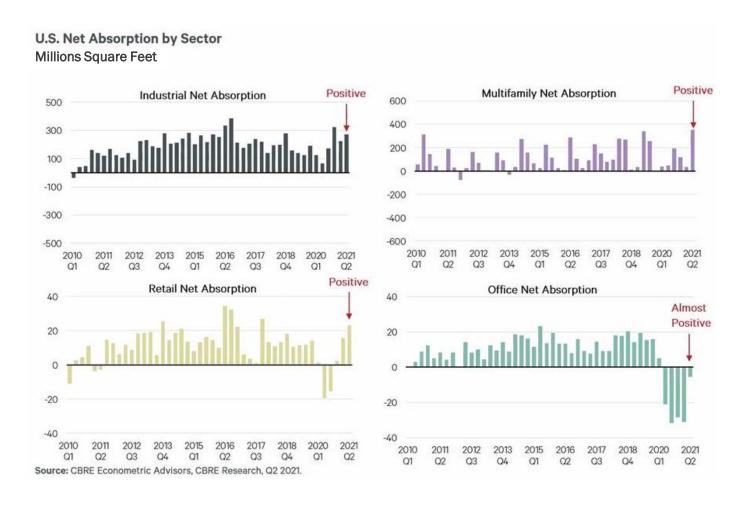
	PWC Investment Grade Cap Rate			_		Region Tier 1 Cap Rate		_	RCA Hedonic S	eries Cap Rate	
	2Q 2020	2Q 2021	Differential		2Q 2020	2Q 2021	Differential		2Q 2020	2Q 2021	Differential
CBD	5.55%	5.78%	0.23%	CBD	6.90%	6.90%	0.00%	CBD*	6.60%	6.40%	-0.20%
Suburban	6.00%	6.22%	0.22%	Suburban	7.00%	7.20%	0.20%	Suburban	N/A	N/A	N/A
Warehouse	4.84%	4.77%	-0.07%	Warehouse	6.70%	6.40%	-0.30%	Warehouse	6.20%	5.70%	-0.50%
Power Center	6.75%	6.68%	-0.07%	Power Center	7.20%	7.40%	0.20%	Power Center*	N/A	N/A	N/A
Neighborhood	6.75%	7.35%	0.60%	Neighborhood	7.20%	7.10%	-0.10%	Neighborhood	6.50%	6.60%	0.10%
Apartment	5.19%	4.96%	-0.23%	Apartment	5.70%	5.40%	-0.30%	Apartment	5.30%	4.90%	-0.40%
Hotel	N/A	N/A	N/A	Hotel	8.60%	8.30%	-0.30%	Hotel	8.70%	8.30%	-0.40%

<sup>\*</sup> RCA does not differentiate between subtype levels





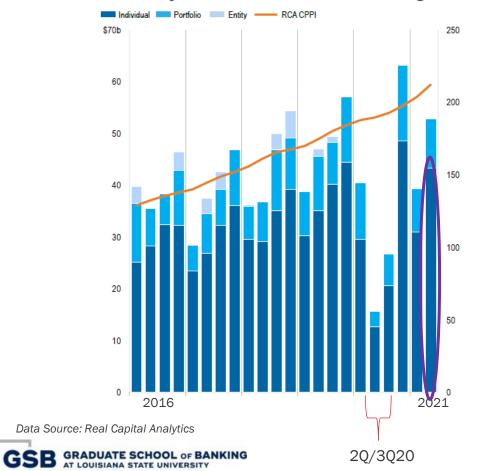
# **Property Performance Fundamentals**





# 2Q21 Capital Markets Volume (RCA)

#### **Quarterly Transaction Volume & Pricing**



Value =	Net Operating	Income
	Capitalization	ı Rate

#### Q2'21 Deal Volume and Pricing Summary

		Quarterly	RCA	CPPI		
	\$b	YOY Chg	#Props	YOY Chg	1-qtr Chg	1-yr Chg
All Types	144.7	176%	8,922	121%	2.4%	9.8%
6 Major Metro All Types	41.3	117%	2,235	101%	2.2%	5.7%
Non-Major Metro All Types	103.4	209%	6,687	129%	2.3%	10.5%
Office	26.0	92%	1,232	65%	1.7%	6.0%
Industrial	29.8	139%	2,076	98%	2.4%	9.8%
Retail	13.7	154%	1,706	123%	1.5%	3.2%
Apartment	52.7	238%	2,201	129%	4.2%	12.0%
Hotel	14.4	1718%	989	963%	0.0%	1.4%
Seniors Housing & Care	3.2	131%	220	122%		
Dev Site	4.8	46%	498	56%		

RCA CPPI All Types indices include office, industrial, retail and apartment transactions

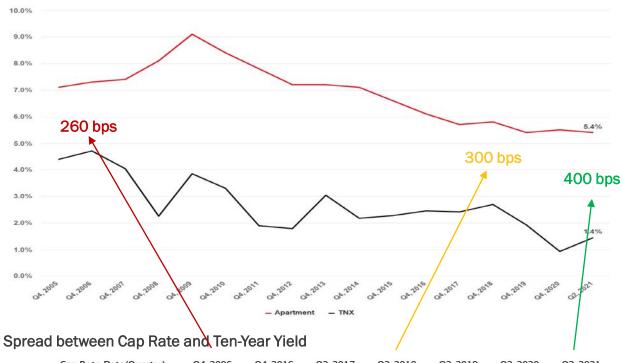
#### Takeaways:

- L) Individual Asset Sales Dominate
- 2) Non-Major Markets Surge
- 3) Multi & Ind/WH Break Out as Cap Rates Drop to Record Lows 8



# **Spreads Between Caps and TNX: Risk Is Relative**

TNX = 1.32% 9.21.2021



Cap Rate Date(Quarter) Q4, 2006 Q4, 2016 Q2, 2017 Q2, 2018 Q2, 2019 Q2, 2020 Q2, 2021 MultiSpread 2.6% 3.7% 4.0% 3.5% 3.0% 3.8% 5.1% **CBD OFF Spread** 3.1% 4.7% 4.5% 3.9% 4.6% 6.3% 5.5% Sub OFF Spread 3.2% 5.2% 5.0% 4.3% 5.3% 6.4% 5.8% Ret NHSpread 3.1% 5.7% 4.9% 4.6% 4.4% 5.2% 6.6% Ret PC Spread 3.2% 4.5% 6.0% 5.0% 5.0% 5.2% 6.6% Retail MallSpread 3.3% 4.7% 4.6% 4.5% 5.1% 6.8% 6.8% WH Spread 3.2% 5.1% 4.7% 4.3% 4.9% 6.1% 5.0% Ind Spread 3.5% 5.4% 5.0% 4.4% 5.5% 6.8% 5.8%

Bond Price surge, then Inflation Concerns have pushed this back out to about 400 bps

Why Are Caps Low? TINA!

Data Source: RERC, Bloomberg







# Concerns Back to the Usual: Oversupply in Sunbelt

Annual apartment deliveries in early 2021 reached 353,00 units, the nation's biggest block of new supply completed since the mid-1980s











## **Construction Costs: ENR Indices**



Data Source: Engineering News Report

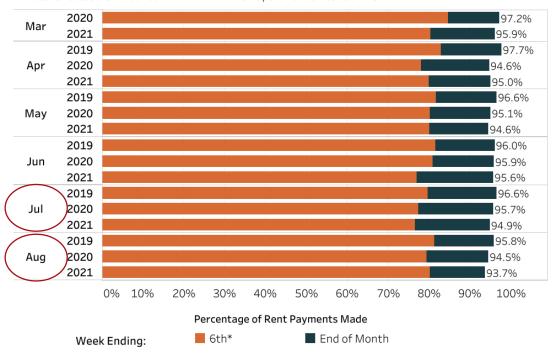


## **Multifamily Collections**

#### **Be Careful with Collection Results!**

Rent Payment Tracker: Full Month Results

\*\*Data collected from between 11.1 - 11.7 million apartment units each month

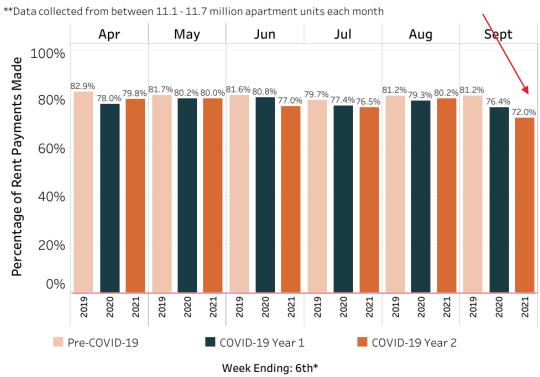


#### Data Source: National Multifamily Housing Council

## GSB GRADUATE SCHOOL OF BANKING AT LOUISIANA STATE UNIVERSITY

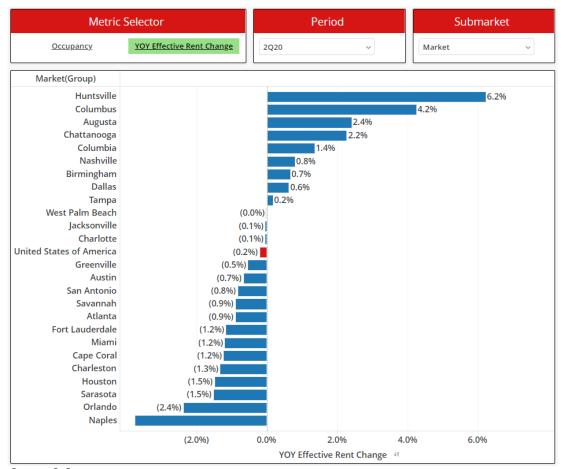
# Stimulus End or Labor Day?



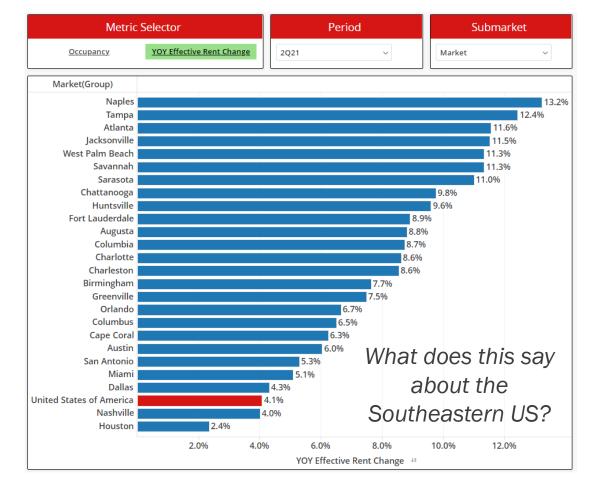




#### **2Q20 Multi Rent Growth: SNV Footprint**



#### **2Q21** Multi Rent Growth: SNV Footprint

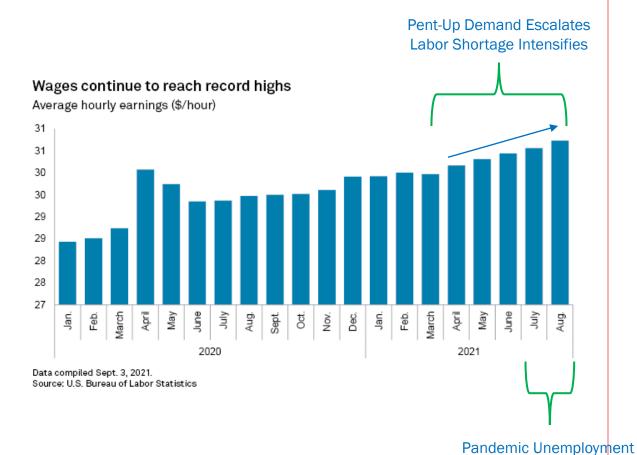


Data Source: CoStar





## **Wages Driving Rent Gains**

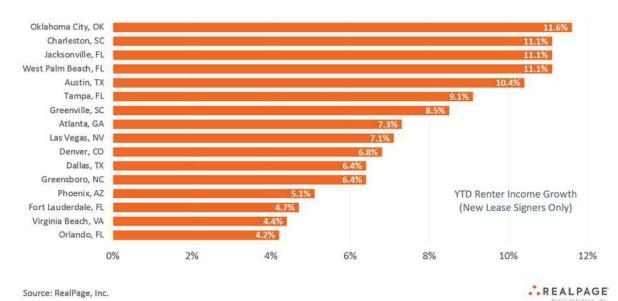


Assistance Discontinued in

**SNV Footprint** 

## **Regional Growth Theme: Wages**

New renters bringing much larger incomes into Sun Belt markets...



Florida #1 State for New Business Formation in 2021: 440,000 Businesses Created, 12% of US Total

5 of 15 Cities Listed Above!



#### **Evictions (from an Investor View)**



Hung out to dry
Not at these rent gains!

#### 'Demand Drivers' for Multifamily

- Generation Z/Younger Millennials:
  - Mobility
  - Family Formation (1st Time 34)
  - Student Debt
  - Wage Growth (College Grad)
  - Home Prices
  - Who sells a starter home?
  - Mortgage Underwriting
  - 43% DTI and a Down Payment?
  - Clemson University Exit Poll...

Cartoon Source: Santa Cruz Sentinel





# **'20 Clemson Students Who Can Qualify for a Mortgage and Have Down Payment**



Note UGA Sweatshirt...



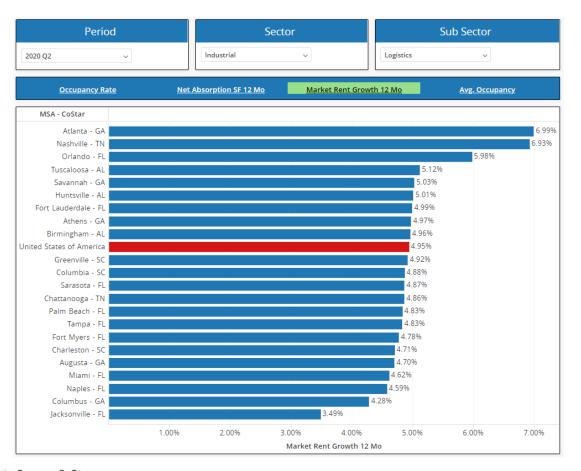
**2Q21 YOY Jacksonville Home Appreciation = 18%** 



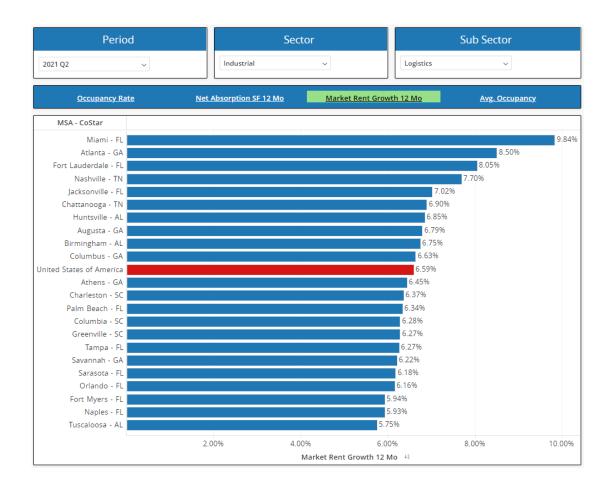
# SYNOVUS® the bank of here

# Warehouse and Retail





## 2Q20 Ind/Logistics Rent Growth ---- 2Q21 Ind/Logistics Rent Growth

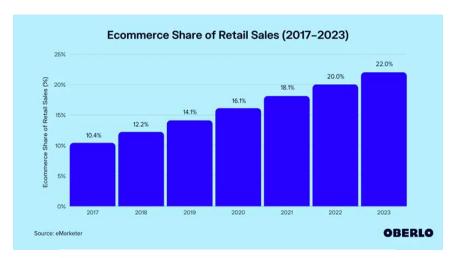


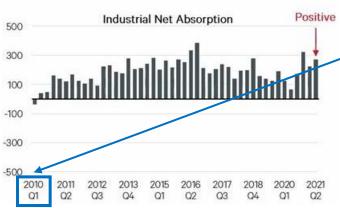
Data Source: CoStar

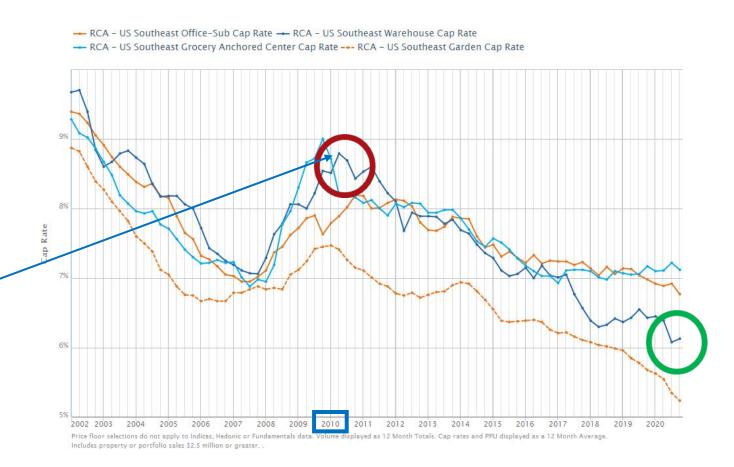




## Warehouse Cap Rates: Higher Values





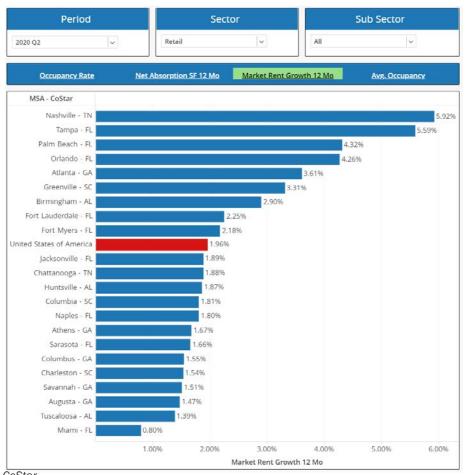


Data Source: Real Capital Analytics, eMarketer, CBRE Econometrics

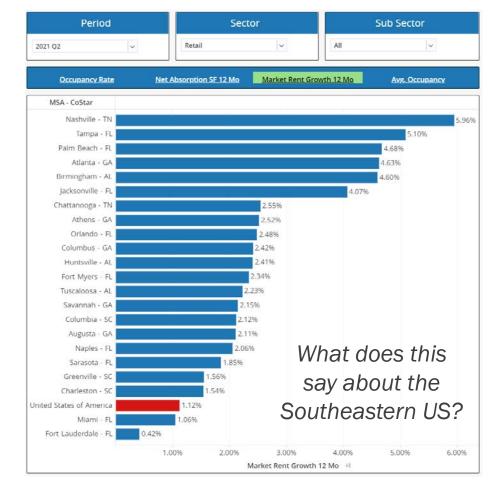




#### **2020 Retail Rent Growth**



## **2021** Retail Rent Growth



Data Source: CoStar



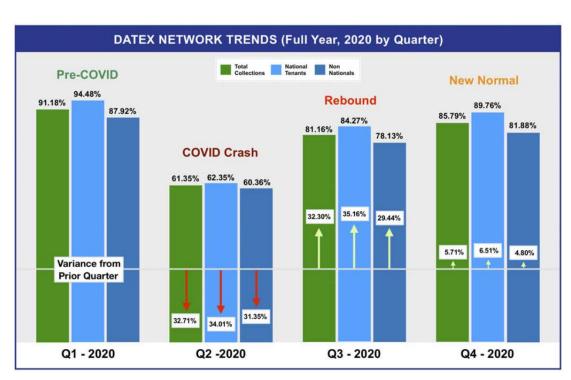


#### **DATEX Retail Collection Trends '20**

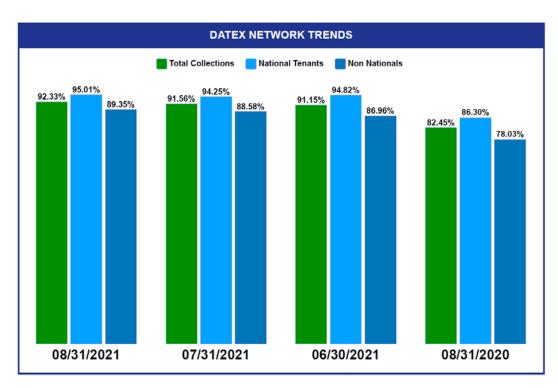
## 8.31.2021 Retail Collection Trends

-500 BPS YOY

~650 bps Above Estimate



2020 Store Openings = 3,139 2020 Store Closings = 7,873



2021 Store Openings = 4,969 (+58%) 2021 Store Closings = 4,889 (-38%)



Data Source: Datex



#### **One Tenant Type Driving Performance**

#### Restaurant Sales/SF and Collection Rates

Then							
Sales PSF YOY		Jul-20		Jul-21	Variance		
Fast Food	\$	573	\$	730	27.4%		
Restaurant	\$	408	\$	668	63.7%		

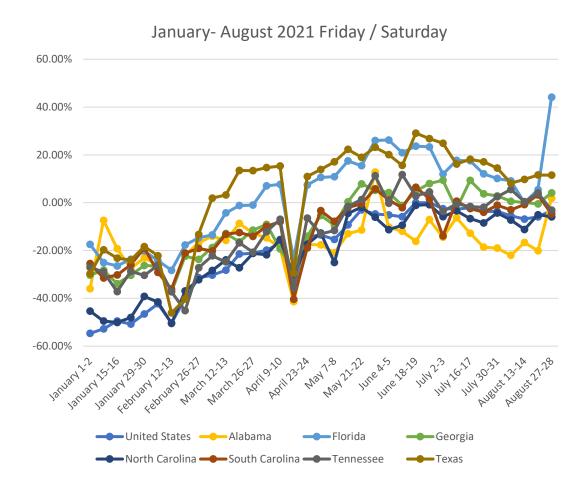
No	)W		
	Jun-21	Jul-21	Variance
\$	695	\$ 730	5.0%
\$	749	\$ 668	-10.8%

Then							
Collection Rate YOY	Aug-20	Aug-21	Variance				
Fast Food	92.1%	96.5%	4.8%				
Restaurant	85.6%	97.9%	14.4%				

NOW		
Jul-21	Aug-21	Variance
95.6%	96.5%	0.9%
97.4%	97.9%	0.6%

For reference, \$400/SF Full Serve and \$600/SF QSR or Fast Casual are High Performing

#### **OpenTable Restaurant Demand 2021**

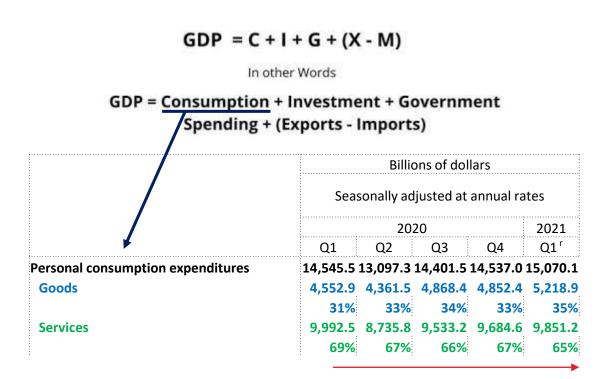


Data Source: Datex, OpenTable





#### Goods, Services, and GDP



Currently, Consumption Is 68% of US GDP Services Represent 65% of Consumption

#### What Makes a Good Retail Tenant?

- 2Q20-1Q21 was the 'Year of Goods'
- 2Q21-2022 should shift back to 70/30 Split in favor of Services
- Preferred Tenant Mix has returned to the 2019 pre-COVID 19 formula
- Let's look at challenges to a Service Tenant, even with high demand and record sales...





# The Chicken Sandwich Economy: Case Study on the Challenges of a Service Tenant



Let's Look at the Bun, the Chicken, and the Store

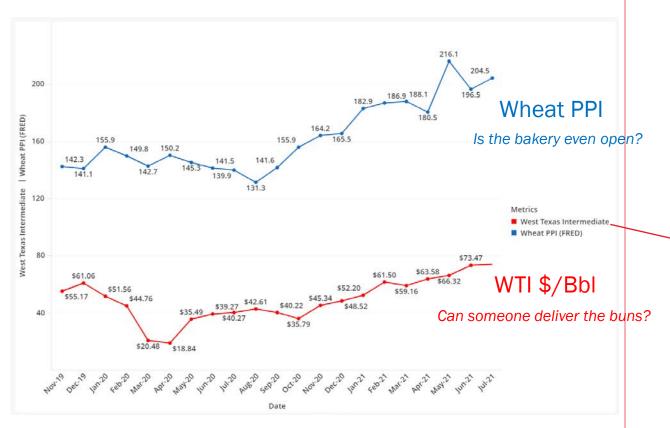


"I'd like more workers, a functioning supply chain, and a Coke"





## The Bun: Inputs and Supply Chain



#### Cass Freight Index August '21

	August 2021	Year-over-year change	2-year stacked change	Month-to- month change	Month-to- month change (SA)
Cass Freight Index - Shipments	1.234	12.3%	3.7%	4.8%	5.0%
Cass Freight Index - Expenditures	3.832	42.2%	34.9%	9.2%	11.3%
Truckload Linehaul Index	148.8	12.6%	7.8%	1.1%	NA

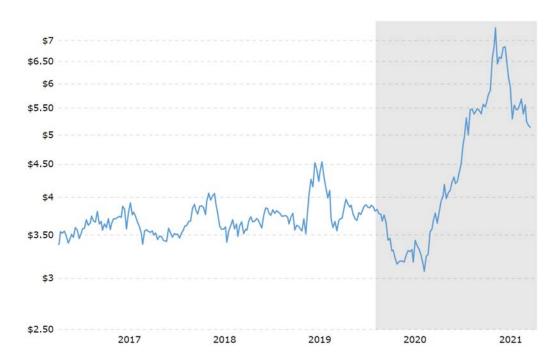
57% over 45 Years Old 23% over 55 Years Old 6 Job Postings for Every Hire 10% Retention Rate! Barriers to Entry

Highest Workplace Fatality Rate



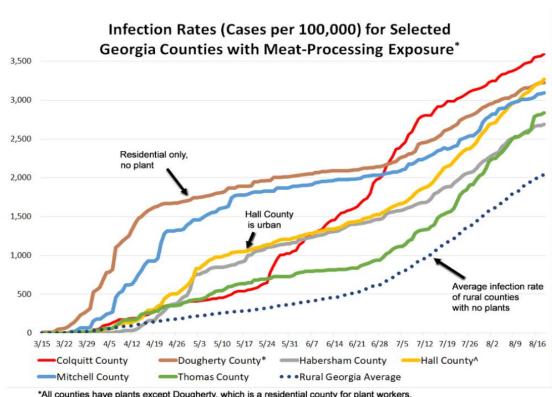


## The Chicken: Same Story as Bun



Chickens Have to Eat Too: Corn Spot Prices Up 30%

## **Enter Safety in the Workplace...**



\*All counties have plants except Dougherty, which is a residential county for plant workers.

^Except for Hall, all meatpacking counties shown are rural.

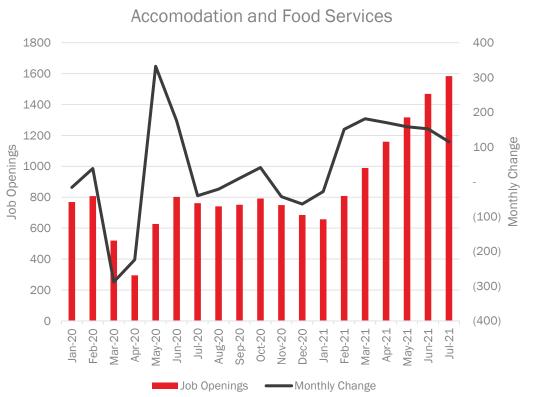
Tim Marema/DailyYonder.com Data: USAFacts.org

Outbreaks Closed Plants: Meat Supply? Safety Concerns/Low Wages



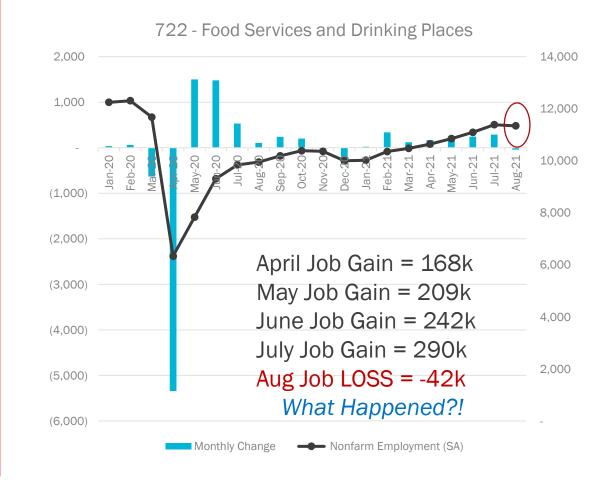


## **NAICS 72 July JOLTS Openings**



10.9mm Openings *All Industries* Highest Ever Up from 8.1mm in March

## **NAICS 722 August Employment**







## **Labor Shortage**

- Confluence of Extraordinary Demand
   & Multiple Supply Issues (all I/SC)
- Safety Concerns
- Training Concerns
- Disincentive to Work?

By the way, what <u>isn't</u> inflationary about this story?

Beyond Wages, Tech Is the Answer to Labor Costs!

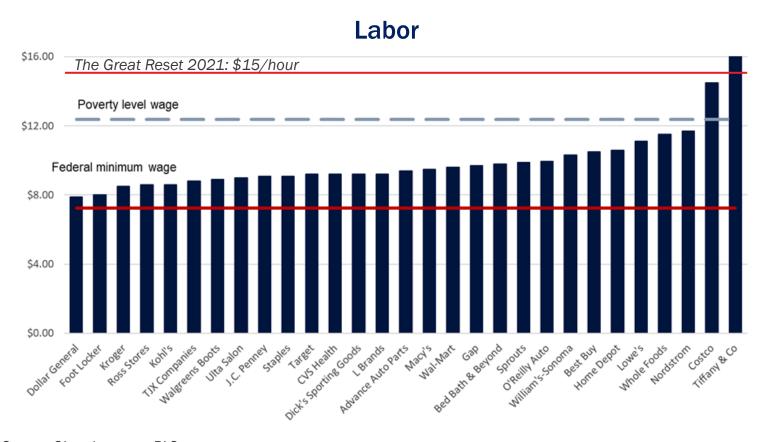
#### Input/Supply Chain Impacts

- Commodity prices
  - Grains, Meats, Fuel
- Production Facilities
- Distribution Challenges
- Point of Sale





# The Three "L's" Facing Brick and Mortar Retail





Data Source: Glassdoor.com, BLS.gov





## So, What Makes a Good Retail Tenant?

- Ask These Questions:
  - 1) Can Amazon provide the same with a two-day delivery?
  - 2) What were the trends for the store/industry pre-COVID 19? \* Leverage a concern? Category waning? Subtype?
  - 3) Assume we trend back to slow growth-what could you expect?
  - 4) Does the vintage match current use paradigm?
  - 5) National/Regional Goods: Does the tenant have an omnichannel strategy?
  - 5) National/Regional/Local Services: Do they use modern systems?
  - You can work this to fit Office Tenants as well...





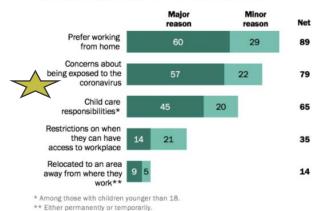


#### Office: Sector a Thousand Views!

- Work from Home
- Shift to the Suburbs
- Pre-COVID 19 Trends (Tech/Footprint)
- Vintage and Functional Obsolescence

For those who are working from home by choice, personal preference and concerns about coronavirus are the major reasons why

Among employed adults currently working from home all or most of the time and whose workplace is open, % saying each of the following is a \_\_\_\_ why they are currently working from home all or most of the time



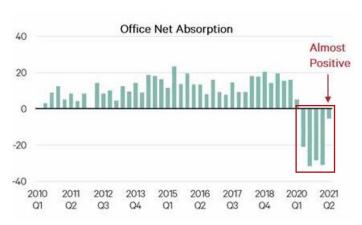
"How the Coronavirus Outbreak Has - and Hasn't - Changed the Way Americans Work"

PEW RESEARCH CENTER

Note: Figures may not add to subtotals due to rounding. Source: Survey of U.S. adults conducted Oct. 13-19, 2020.

Data Source: Pew Research, CBRE Econometrics







- Scary Stats of 2020
- Net Absorption Stats:
  - 2Q20 to 4Q20 Net Absorption = -80.1mm sf
    - 2008-2010 = -46.4mm sf
    - BUT 90% of this activity occurred in NYC corridor, CA, and TX
  - Subleasing activity concentrated in tech
    - Seattle, SF, Austin



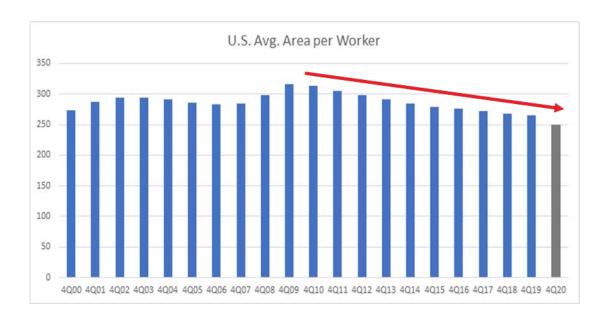
## 2000 Radio Shack Catalog



Think of all that saved space...

#### Pre-COVID 19 Trends

#### Medical/Tech Corporate Footprints

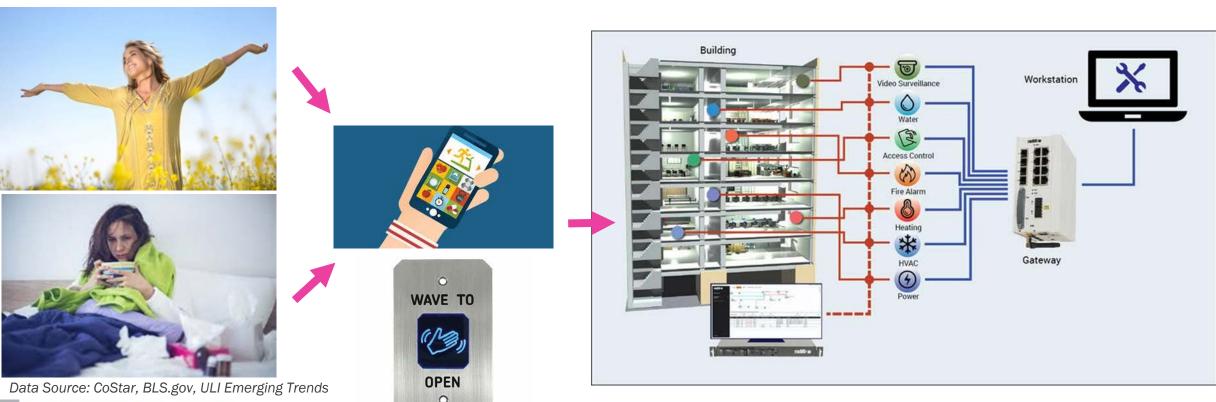






# Functional Obsolescence and PropTech

- Vintage and Functional Obsolescence paramount
- PropTech/Building Management Systems/IT Infrastructure





### **Medical Office**

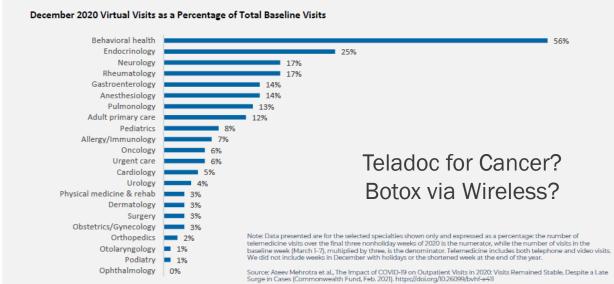
Table 32

NATIONAL MEDICAL OFFICE BUILDINGS MARKET

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	CURRENT	LAST QUARTER	1 YEAR AGO	3 YEARS AGO	5 YEARS AGO
DISCOUNT RATE (IRR) <sup>a</sup> Range Average Change (Basis Points)	5.50% – 11.00% 7.75%	5.50% – 11.00% 7.90% – 15	5.50% - 11.00% 7.68% + 7	5.50% - 11.00% 7.73% + 2	5.50% - 11.00% 7.96% - 21
OVERALL CAP RATE (OAR) <sup>a</sup> Range Average Change (Basis Points)	4.25% – 10.50% 6.46%	4.25% – 10.50% 6.66% – 20	4.25% – 10.00% 6.63% – 17	4.50% – 10.00% 6.69% – 23	4.75% – 10.00% 6.83% – 37
RESIDUAL CAP RATE Range Average Change (Basis Points)	5.00% - 10.50% 6.90%	5.00% – 10.50% 7.00% – 10	5.00% - 10.25% 6.90% 0	5.00% - 10.25% 6.84% + 6	5.50% - 10.50% 7.13% - 23
MARKET RENT CHANGE <sup>b</sup> Range Average Change (Basis Points)	0.00% – 3.00% 1.58%	0.00% – 3.00% 1.63% – 5	0.00% – 3.00% 2.15% – 57	0.00% – 3.00% 2.20% – 62	0.00% – 4.00% 2.31% – 73
EXPENSE CHANGE <sup>b</sup> Range Average Change (Basis Points)	1.00% – 4.00% 2.54%	1.00% - 4.00% 2.50% + 4	1.00% - 4.00% 2.45% + 9	1.00% - 4.00% 2.50% + 4	1.00% - 4.00% 2.34% + 20

There is a distinct variation in telemedicine use across specialties. Specialty practices are continuing to see the majority of patients in a clinical setting, which we expect to continue post-COVID



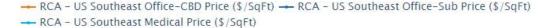
Data Source: CoStar, PWC 1Q21 Investor Survey





# RCA CPPI Office Volatility: Price/SF

- Repeat purchase indices for the Southeastern US
- Note volatility in CBD office price index (orange)
- Steadiest sector clearly suburban office (navy)
- Medical office trend? (aqua)





Data Source: Real Capital Analytics

GSB GRADUATE SCHOOL OF BANKING
AT LOUISIANA STATE UNIVERSITY





#### **US Travel Spend: Biz vs. Leisure**



## **Hurdles Going Forward**

- Business/Convention Travel
  - Vaccine Distribution
  - Virtual Meetings/Conventions
  - Lingering Health Concerns
  - CORPORATE BUDGETING!
  - LIABILITIES
  - See recovery here 2Q22 with some permanent loss



\$278.9B

Foodservices

\$242.3B

Lodging

\$210.8B

Public

Transportation

\$169.7B

Transportation

\$107.3B

Retail

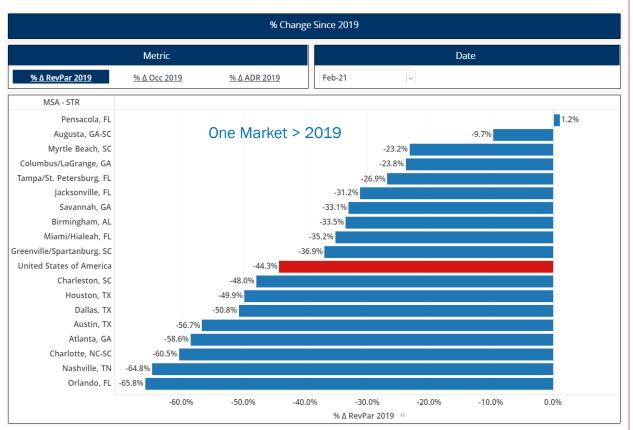
SOURCE: U.S. Travel Association

Recreation/

Amusement



#### RevPAR February 2021 vs. February 2019



#### RevPAR June 2021 vs. June 2019

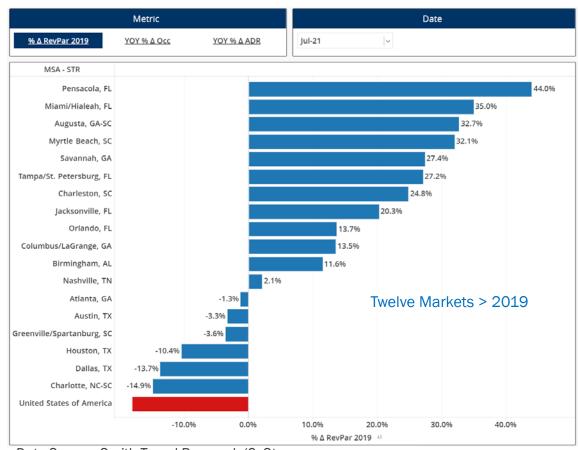


Data Source: Smith Travel Research/CoStar





## RevPAR July 2021 vs. July 2019



#### Data Source: Smith Travel Research/CoStar

## GSB GRADUATE SCHOOL OF BANKING

#### RevPAR August 2021 vs. August 2019







# **Summary: Beyond 2021**

- Five Major Food Groups
  - TINA: Intensified focus on secondary property types
- Delta Variant has a real impact but subsiding
  - Other variants/contagions? What can we learn?



- Don't Believe the Hype (or Lean on Fundamentals and History!)
  - Did the pandemic cause or exacerbate issues?
  - Who just announced the \$2.1B purchase of a Manhattan office?
  - Ask yourself where we were in 4Q19 when looking at 2022-2023





## **GSB LSU Webinar Series**

Calibrating the Commercial Real Estate Compass: The Pandemic and the Road Ahead

Wednesday September 22<sup>nd</sup>, 2021

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