

MULTIFAMILY NATIONAL OUTLOOK

SPRING 2024



PRESENTERS



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AGENDA

- U.S. Economy, Inflation, Interest Rates
- Labor Markets & Demographics
- Affordability
- Multifamily Fundamentals
- Forecasts: Rent, Occupancy & Supply
- Potential Supply-Driven Distress Markets
- Not covered today, see previous work:
 Single-Family Rentals in Build-to-Rent Communities

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OPENING REMARKS



Yardi Matrix House View – May 2024

MACROECONOMIC UPDATE

- U.S. economic growth is strong, with 4.9% GDP growth in 3Q23, 3.4% in 4Q23 and 1.6% for 1Q24;
- The Fed has paused its interest rate hike campaign, having kept rates steady at the December April meetings
 - Interest rate cuts are anticipated now not until EOY '24
- Inflationary pressures have cooled, and will continue to, but risk of re-acceleration is non-trivial; March inflation exceeded expectations, but April jobs report at 175,000+ indicates deceleration
 - o De-globalization continues, putting mild upward pressure back on inflation
- The labor market is tight due to an aging population, with weaker demand at the top end, and more supply at the bottom
- 2023 population increase provides a temporary boost to population growth & labor supply; therefore, lessening wage pressures, but unlikely to change trajectory of slowing population growth in the long term; absent a fundamental change to the public policy consensus
- No consensus on immigration policy as 5-8 MM illegal immigrants enter the labor market
- U.S. economy is strong but slowing; the yield curve (10YR 3MTH) is inverted with expected slower growth and a mild recession likely sometime in early-mid 2025



Yardi Matrix House View – May 2024

MULTIFAMILY UPDATE

- The concepts of affordable housing are bleeding into conventional housing, as public policy attempts to deal with rising housing costs
- The multifamily market continues to perform relatively well, despite decelerating rent growth
- We continue to see a market rotation occurring:
 - Sun Belt metros are decelerating at the upper end, driven by heavy supply additions
 - Midwest, Northeast, Small Southern and some Mountain metros are outperforming
- The market rotation is occurring due to **affordability** in the wake of rapid rent increases and **slower domestic migration**
- Construction financing is in short supply, and deliveries will likely be reduced in 2026 through 2029
- The supply shortage of U.S. housing is likely to last 5-10 years, supporting continued healthy rent growth and capital appreciation
- The bid/ask spread for acquisitions remains very wide, with initial pre-distress and distress emerging
- Transactions have, and will, continue to slow until inflation is deemed under control and interest rates come down, which we think happens over the course of 2025



U.S. ECONOMY, INFLATION & INTEREST RATES



Forecasts for Real GDP Project a Mild Recession in Early 2025

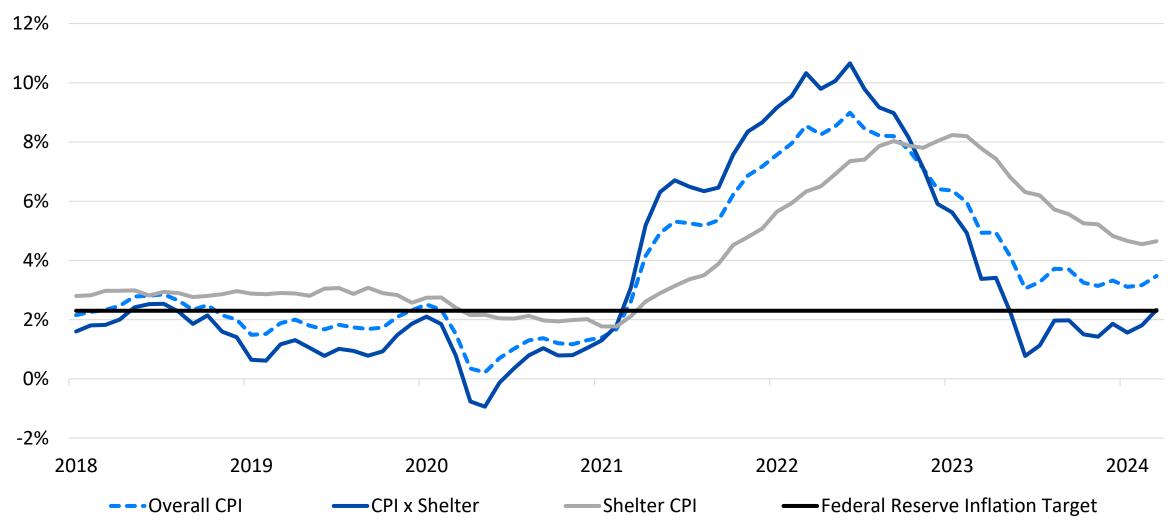
Evercore ISI / Yardi Matrix Economic Forecasts						
	2021	2022	2023 Q/Q	2024 Forecast Q/Q A.R.		
Real GDP	5.5%	2.9%	Q1: 2.2% Q2: 2.1% Q3: 4.9% Q4: 3.2%	Q1: 1.6%A Q2: 2.0% Q3: 1.5% Q4: 1.0%		
Nominal GDP	10.7%	9.2%	Q1: 6.3% Q2: 3.8% Q3: 8.5% Q4: 5.1%	Q1: 4.2%A Q2: 4.5% Q3: 4.0% Q4: 3.0%		
Inflation (GDP Deflator)	5.9%	6.3%	Q1: 3.9% Q2: 1.7% Q3: 3.6% Q4: 1.9%	Q1: 2.6%A Q2: 2.5% Q3: 2.5% Q4: 2.0%		

Evercore ISI / Yardi Matrix Economic Forecasts						
	2021	2022	2023 Q/Q	2024 Forecast Q/Q A.R.		
Unemployment Rate	3.9%	3.5%	Q1: 3.5% Q2: 3.6% Q3: 3.8% Q4: 3.8%	Q1: 3.8% Q2: 3.9% Q3: 4.0% Q4: 4.0%		
Bond Yield*	1.5%	3.6%	Q1: 3.9% Q2: 3.7% Q3: 4.6% Q4: 3.9%	Q1: 4.0% Q2: 4.5% Q3: 4.0% Q4: 4.0%		
Fed Funds*	0.1%	4.1%	Q1: 5.0% Q2: 5.3% Q3: 5.5% Q4: 5.5%	Q1: 5.5% Q2: 5.5% Q3: 5.5% Q4: 5.0%		



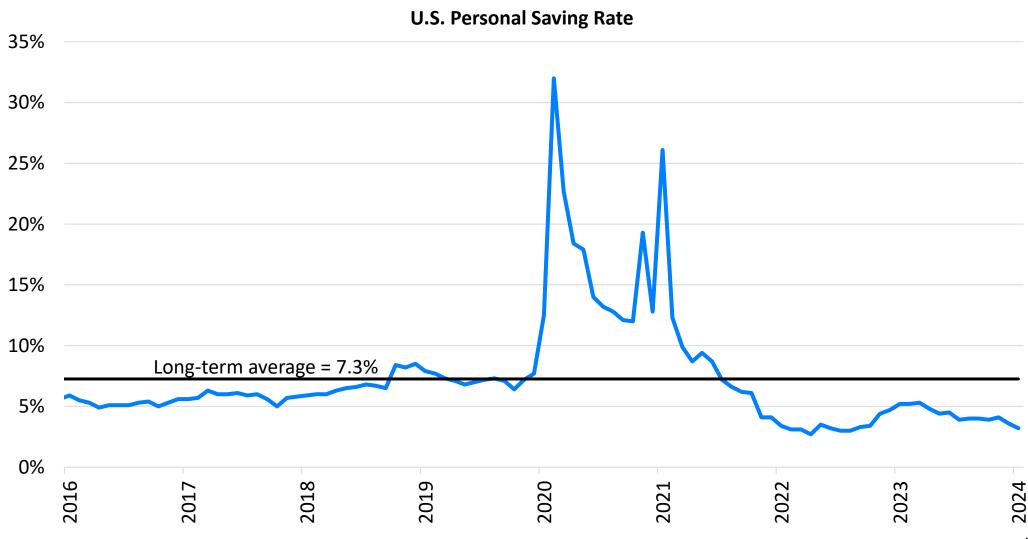
Inflation Is Coming Closer To Meeting The Federal Reserve's Target





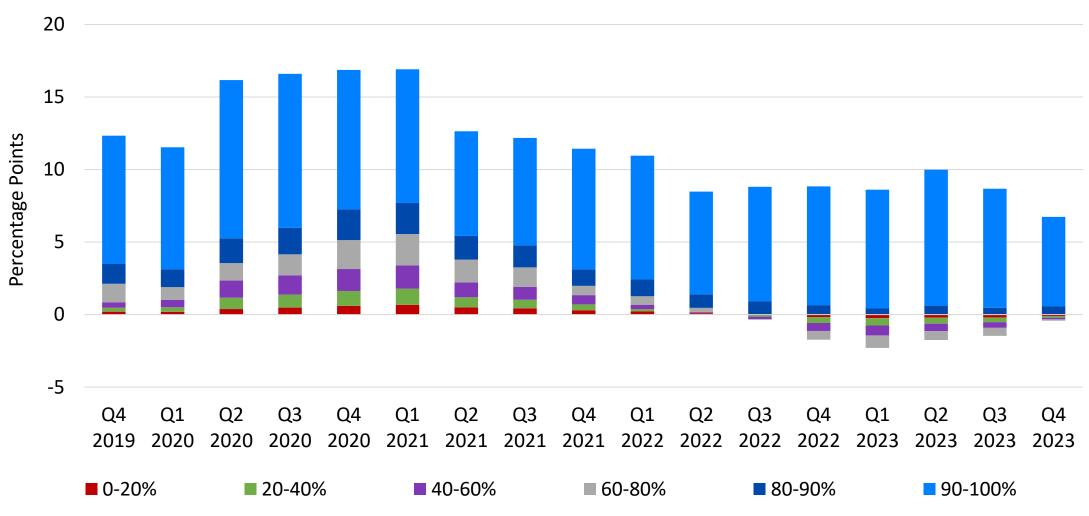


Excess Savings Are Being Used to Cover Inflationary Pressures Which Will Further Decline With Student Debt Repayment



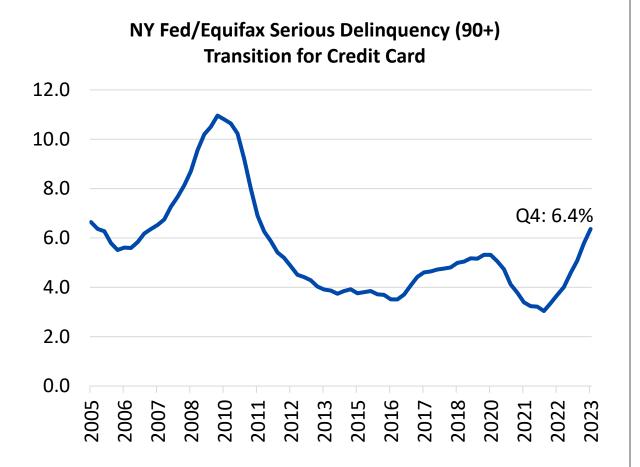
Those Under The 80% Income Cohort Have Drained the "Excess" Savings From the COVID Boost

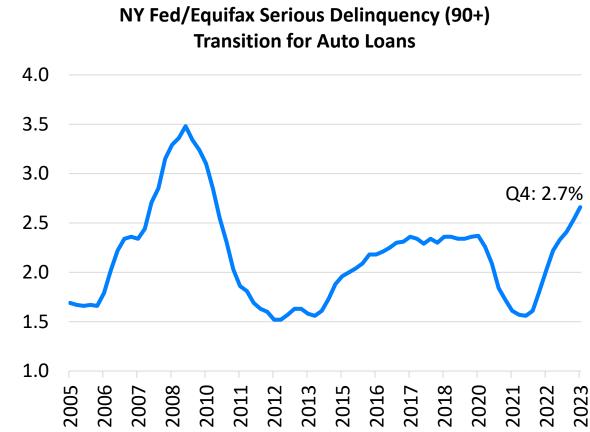
Contributions to Savings Rate by Income Cohort





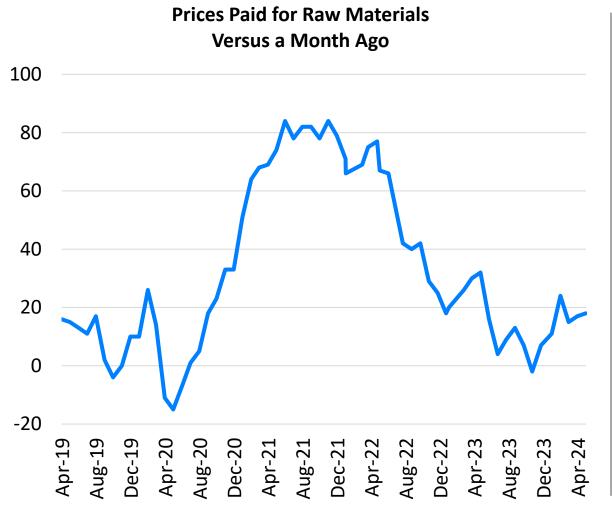
Credit Card and Auto Loan Delinquencies Continue To Move Higher

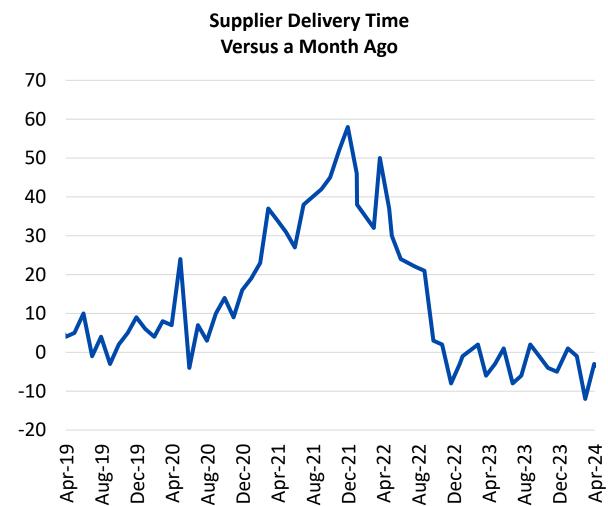






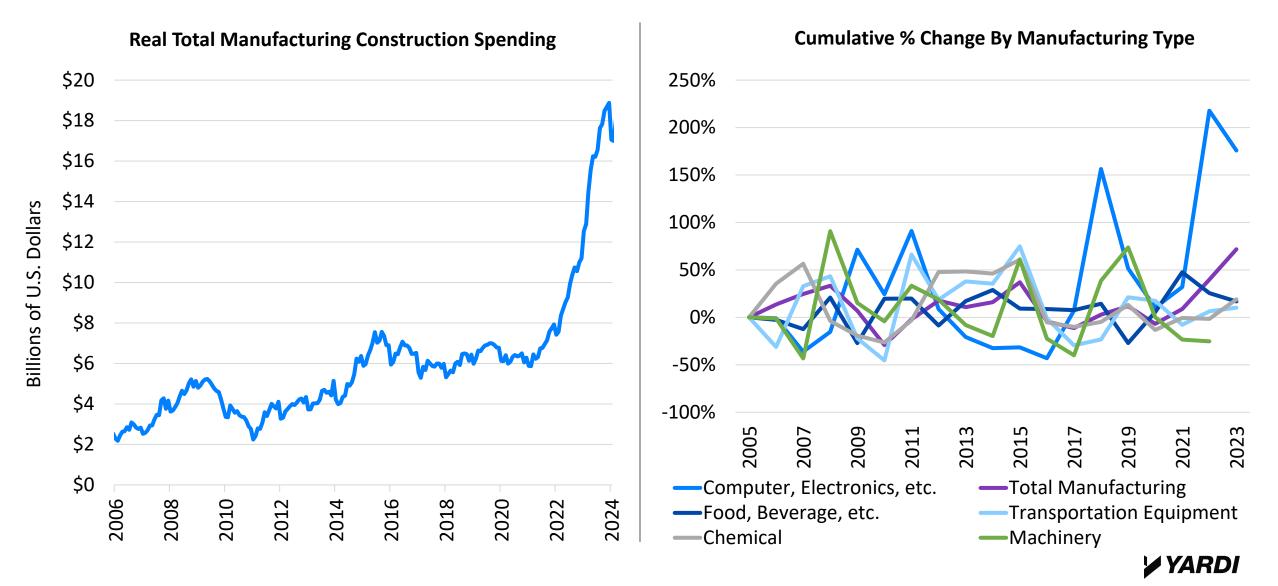
Supply Chain Disruption Easing, As Are Raw Materials Prices







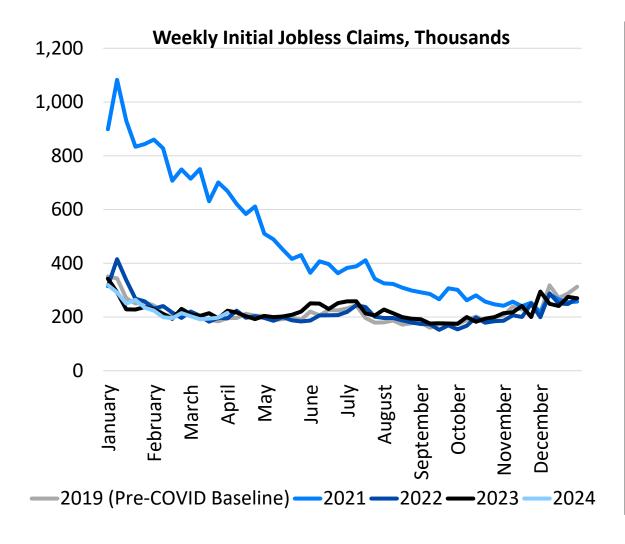
The U.S. Has Significantly Increased Its Domestic Manufacturing Spending, Especially Within the Computer and Electronics Segment

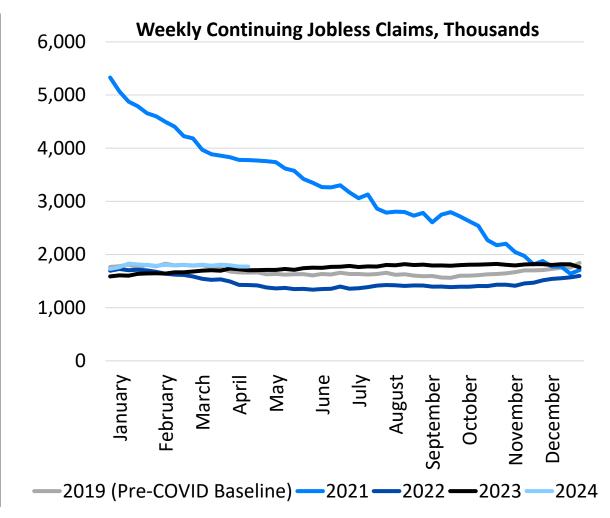


LABOR MARKETS & DEMOGRAPHICS



Jobless Claims Are Nearly In Line With Last Year's Levels

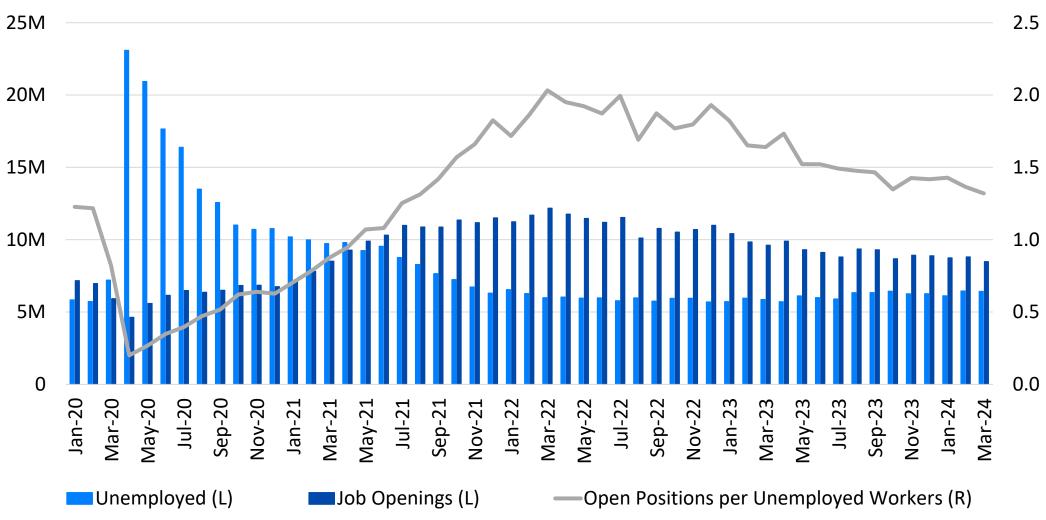






Tight Labor Market Slowly Loosening

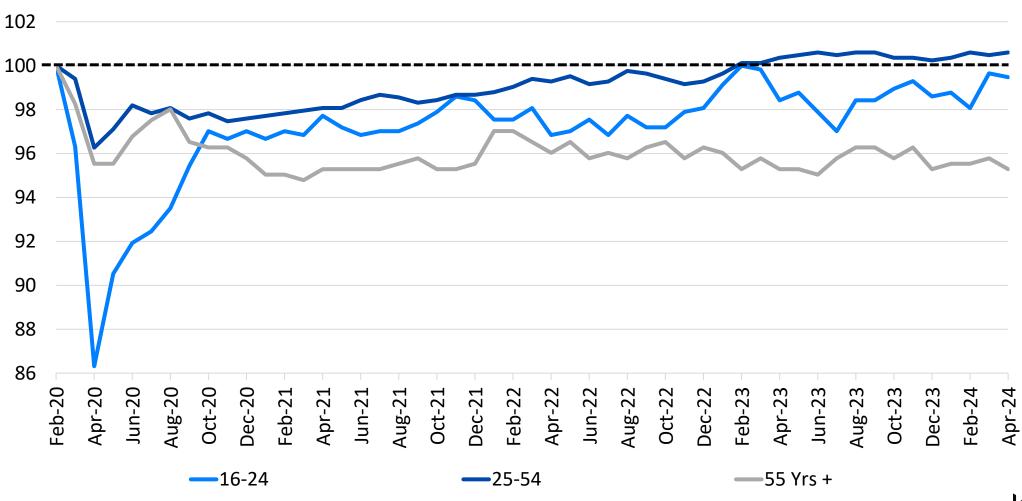






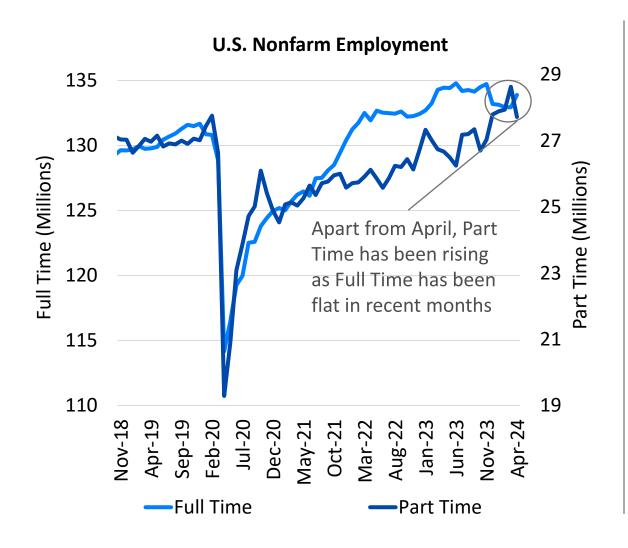
The Labor Force Has Fully Recovered for Prime Age Adults (But Not for Older Americans), Thus Mitigating Wage Growth and Tempering Inflation

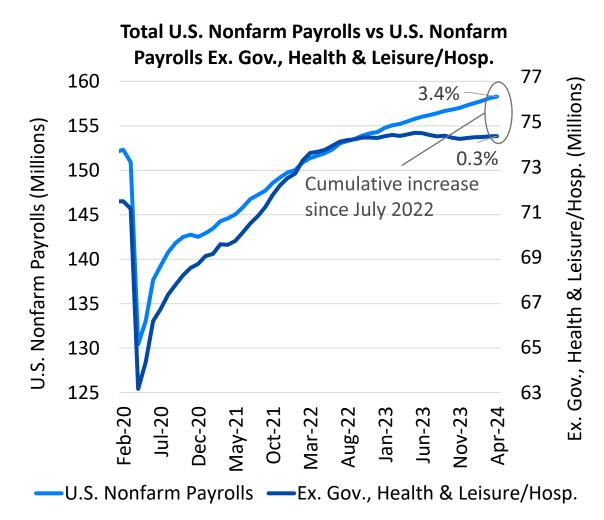






The Employment Picture is Not as Strong as It Seems

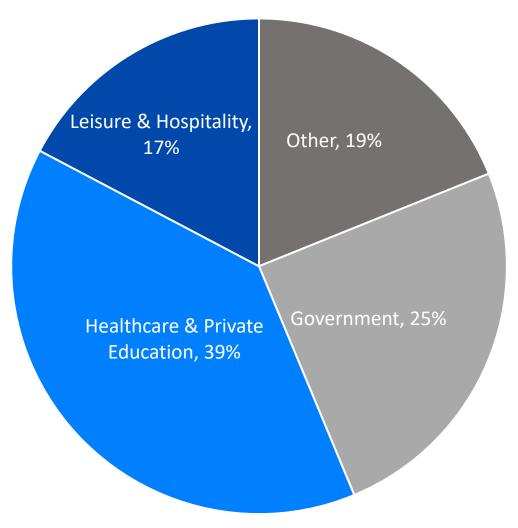






Government, Healthcare & Private Education, Leisure & Hospitality Accounted for Over 80% of New Jobs in 2023

2023 Establishment Survey Job Formation Composition





The Establishment Survey Has Consistently Reported Higher Total Employment Than The Household Survey Since the Pandemic

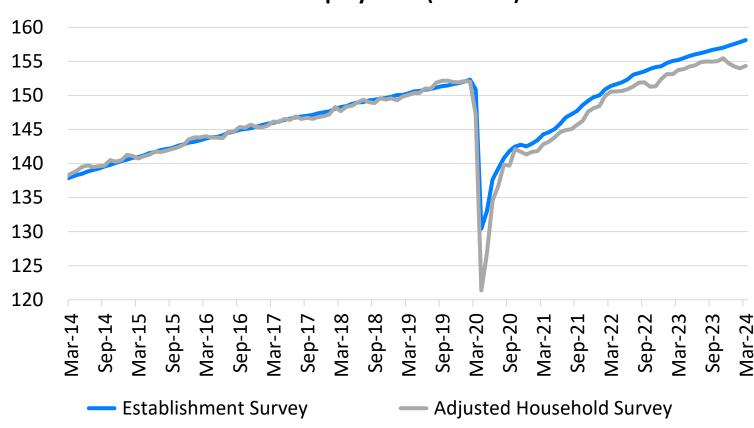
Discrepancy in Reporting:

- Adjusted Household Survey (CPS) estimates jobs via a sample of around 60,000 homes
- For comparison, the CPS is adjusted to exclude agricultural workers, unpaid family workers, private home workers and the unincorporated self-employed

The string of weak readings in the household survey continued in April as the unemployment rate edged higher to 3.9% and employment rose by just 25,000.

- Establishment Survey (CES) counts all nonfarm workers who receive a wage or salary
- This can lead to double counting if a worker has multiple part time jobs
- Possibly overstates job formation
- This is most widely publicized employment statistic

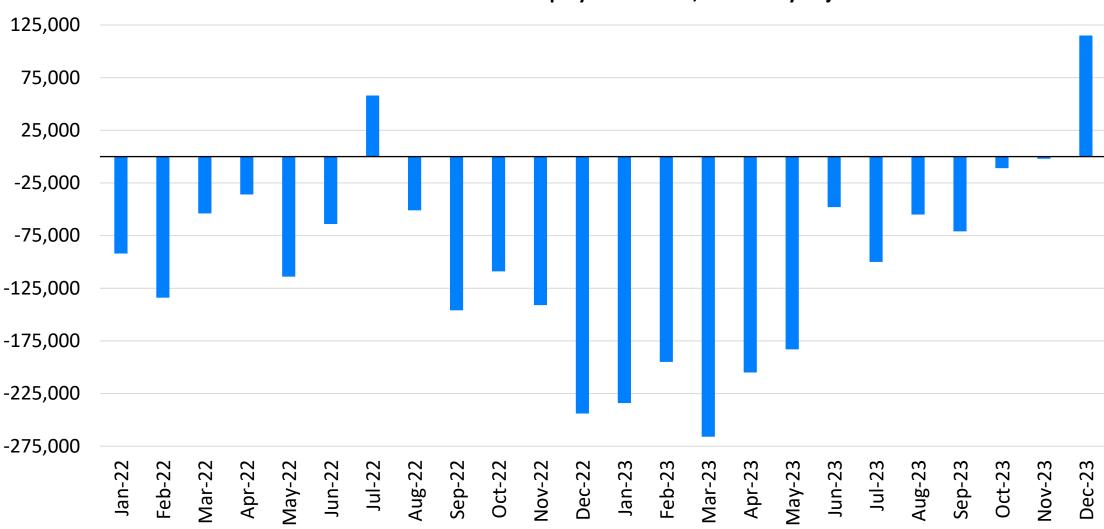


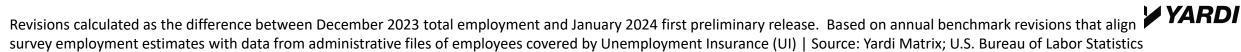




Except for 2 Months, the Establishment Survey Overstated Employment for 2022 and 2023

Revisions to CES Total Nonfarm Employment Levels, Seasonally Adjusted





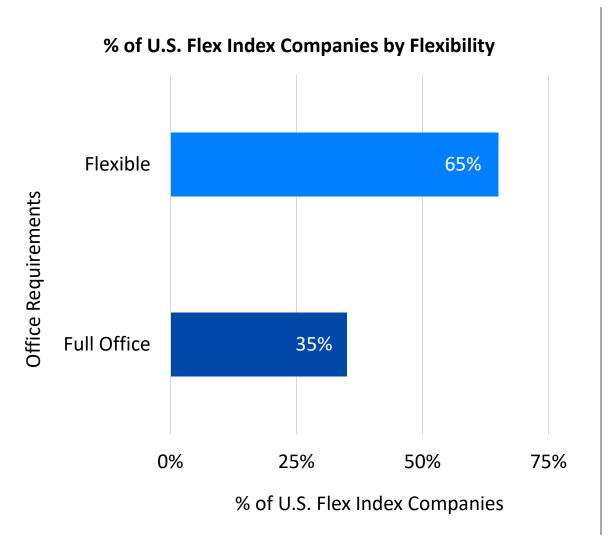
Plunging Quits Suggest a Sharp Slowdown in Wage Growth, A Positive in Controlling Inflation and Supporting Future Short-Term Interest Rate Reductions

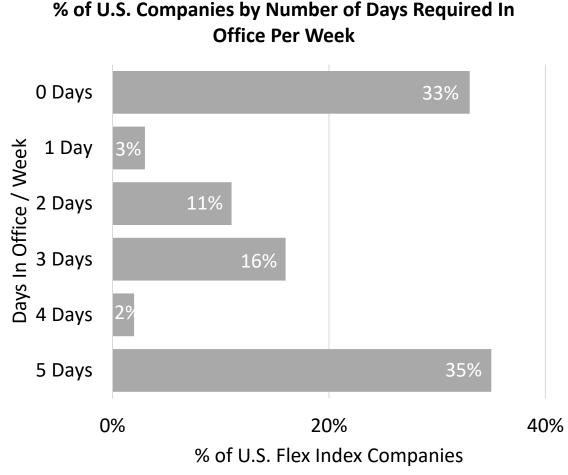
Quits Rate, Advanced Two Quarters (Left) and ECI Private Sector Wages & Salaries, YoY% (Right)





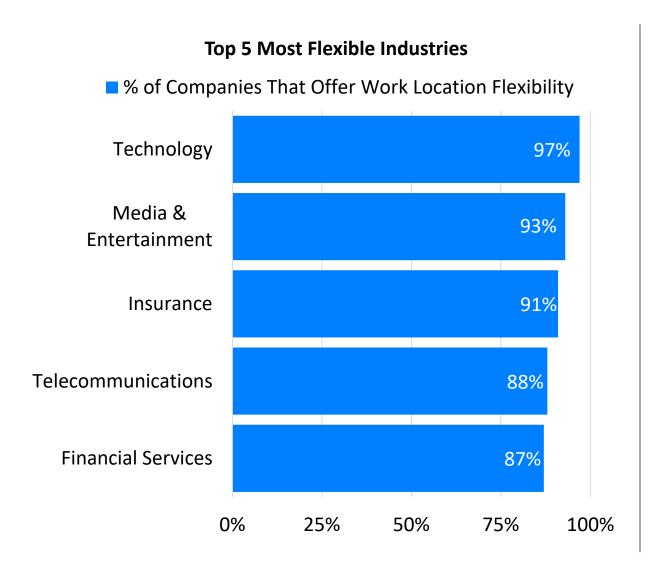
More Companies Are Allowing Greater Work Location Flexibility As Opposed To Full Time In-Office Requirements

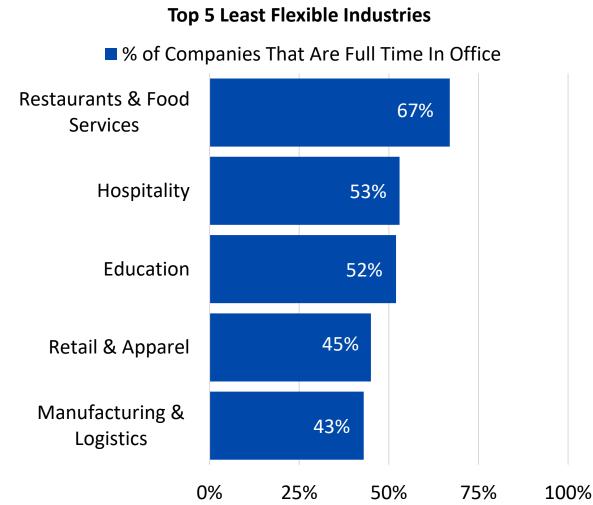






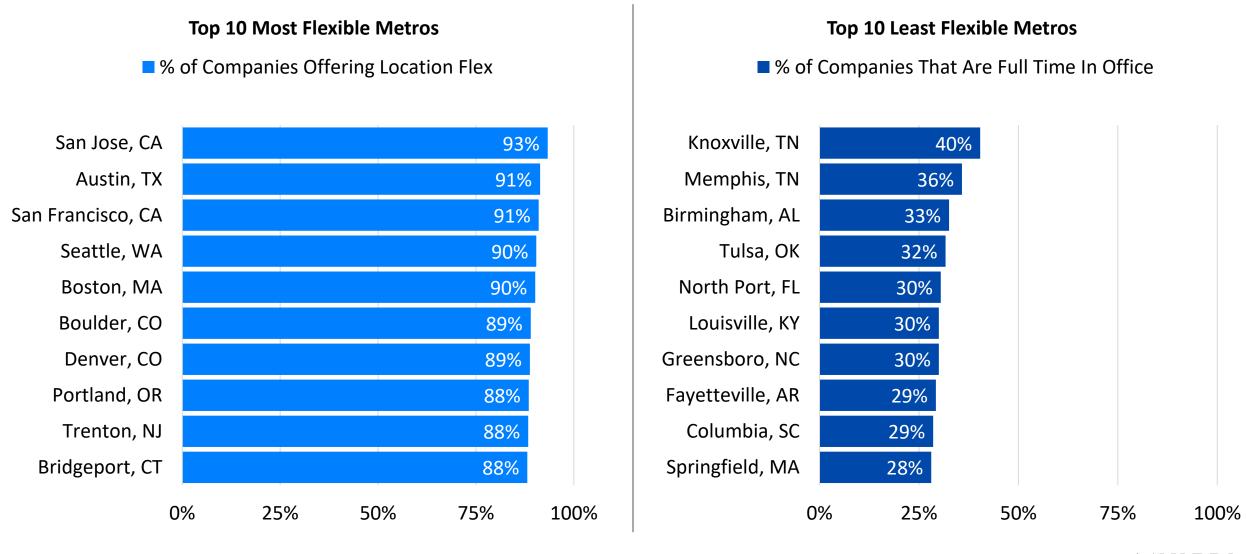
Flexibility Varies By Industry, With Tech Predictably Being The Most Flexible







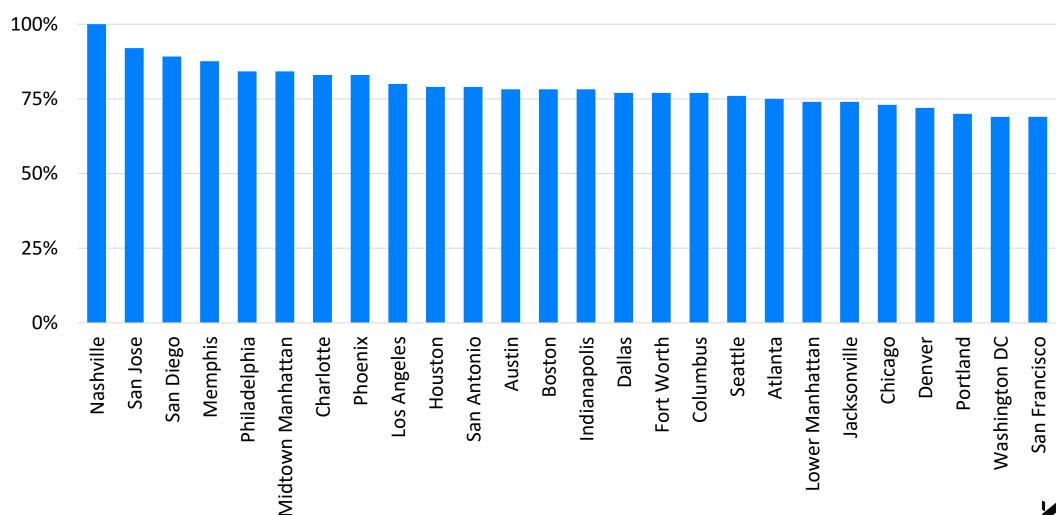
Flexibility Varies By Metro, With The Bay Area Allowing For The Most Flexibility And Smaller Sun Belt Metros Allowing The Least





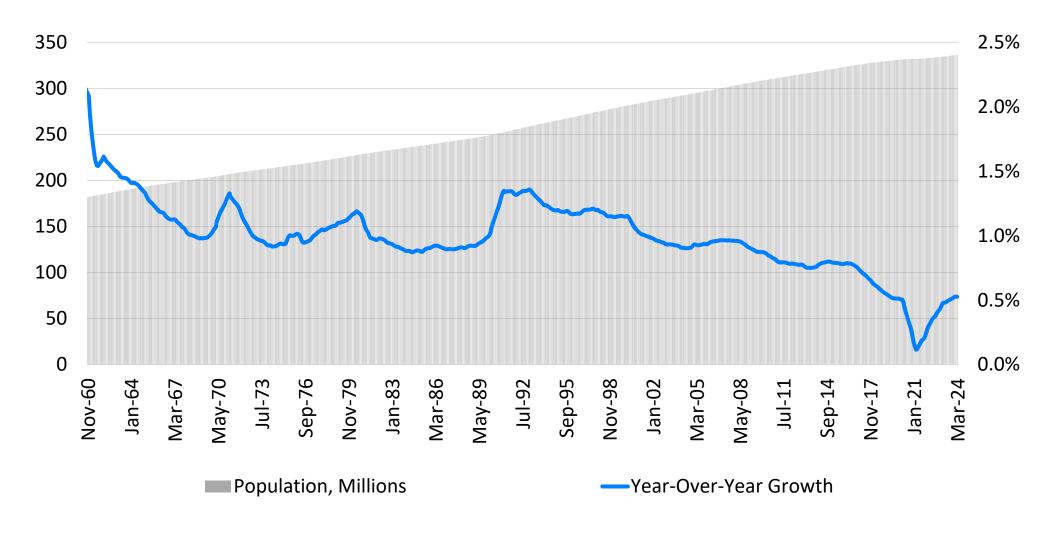
Cities That Have Robust Leisure & Hospitality Industries Recovered Faster Than Those With More Remote Work Opportunities

Recovery Rate of Residents, Workers, & Visitors in Downtown Metros (Q2 2019 to Q2 2023)





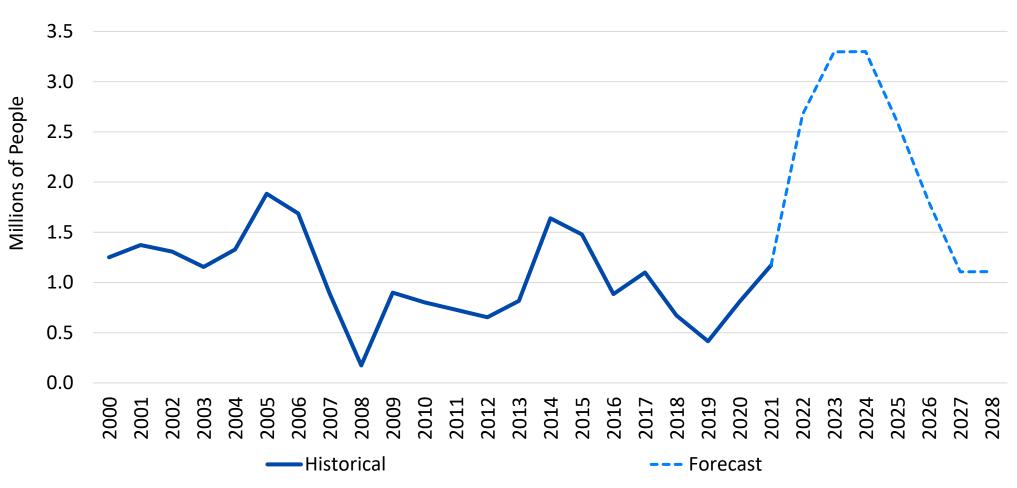
U.S. Population Growth Has Seen An Uptick In Recent Years, But Noncitizens Are Often Undercounted In Federal Collection Data





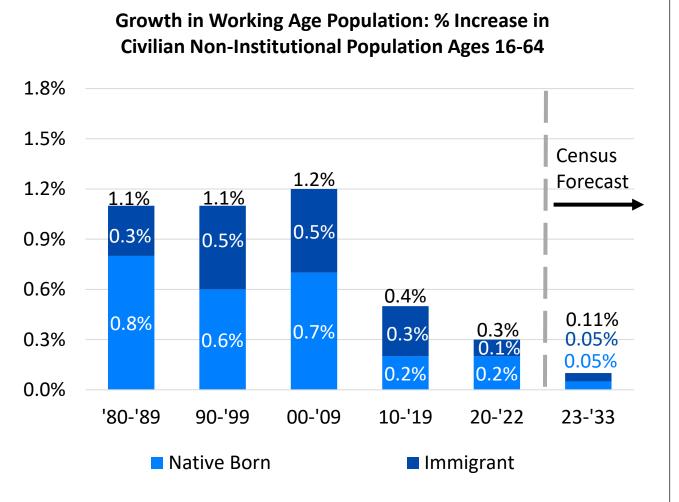
Net Immigration Saw a Sharp Uptick in 2022-2023, But Its Future is Dependent on Political Events

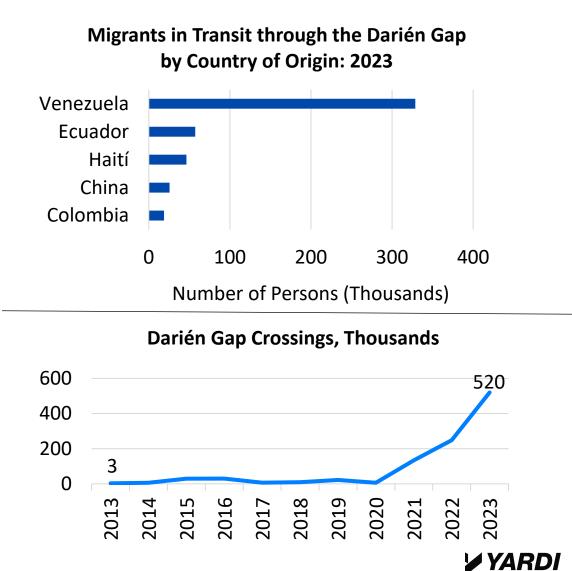




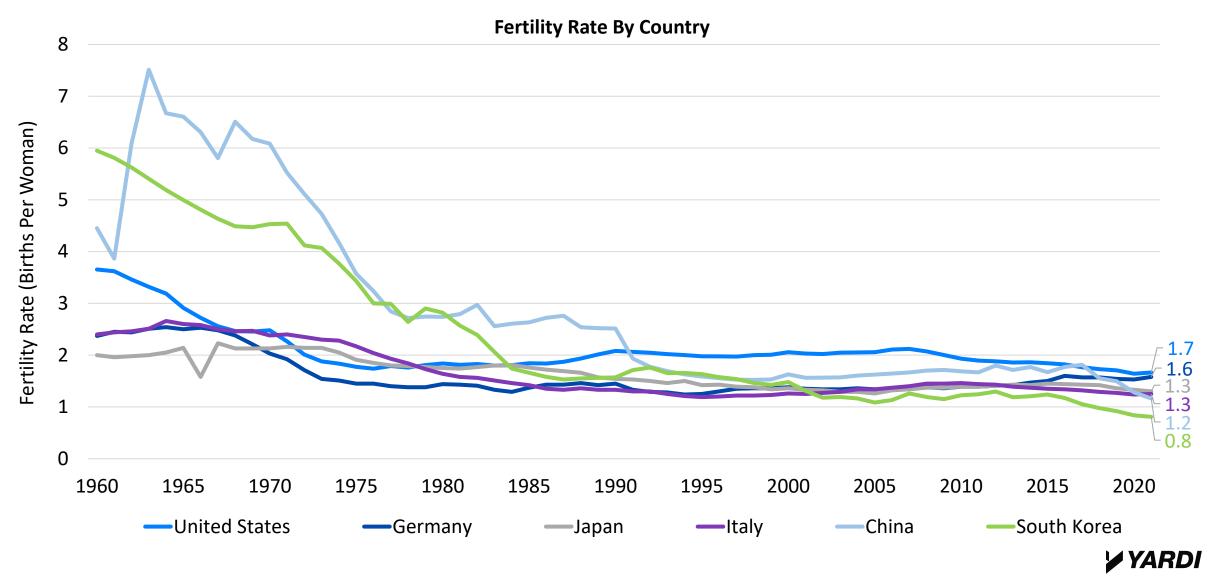


Despite a Record of U.S.-Bound Migrants, the U.S. Working Age Population is not Forecasted for Significant Growth

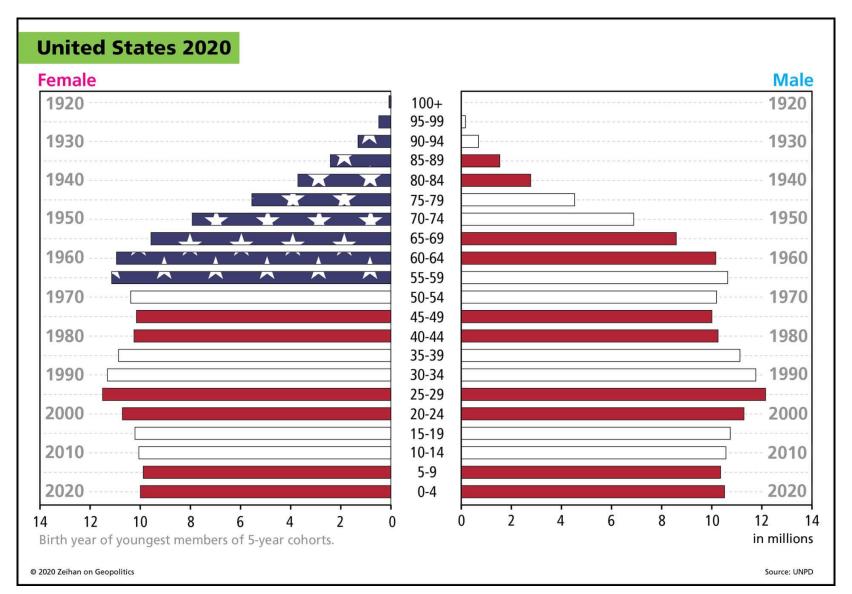




The U.S. Birth Rate is Declining, But is Faring Better Than Other Developed Nations



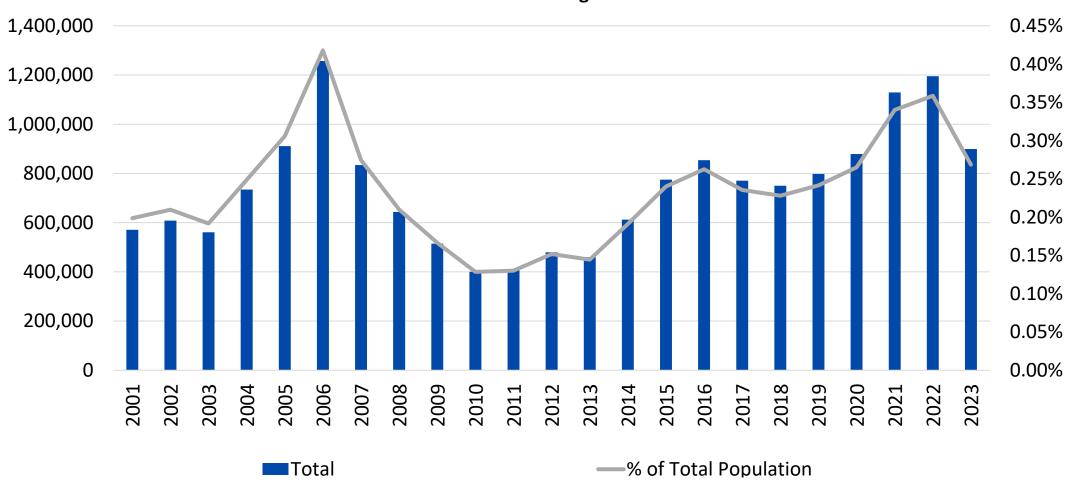
The U.S. Will Suffer a Demographic "Hiccup" as Boomers Retire, But Will Fare Better Than Other Parts of the World





State-to-State Migration Decreased in 2023, Nearing A Return To Pre-Pandemic Norms







The Migration to Southeastern States Continues, But At A Much Slower Rate Than During Peak COVID

U-Haul Top & Bottom Growth States 2023

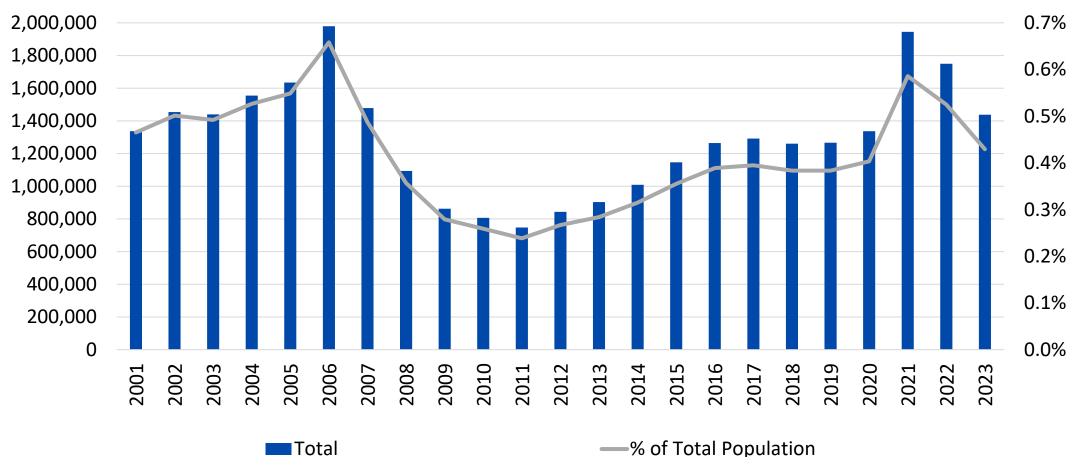
Rank	Top Inbound	Rank	Top Outbound
1	Texas	50	California
2	Florida	49	Massachusetts
3	North Carolina	48	Illinois
4	South Carolina	47	New Jersey
5	Tennessee	46	Michigan
6	Idaho	45	Louisiana
7	Washington	44	Maryland
8	Arizona	43	New York
9	Colorado	42	Connecticut
10	Virginia	41	Oklahoma

- Texas was the #1 growth state for the 3rd year in a row
 - Texas has been the #1 growth state for six of the last eight years
- Florida was the #2 growth state and it netted almost as many inbound U-Haul customers as Texas in 2023
 - Florida has been a top-four growth state for nine years in a row
- Biggest climbers in the rankings include:
 - Arkansas (+26 spots), Wyoming (+19), and
 Vermont (+18)
- California recorded the greatest loss of one-way movers for the 4th year in a row
- Overall, one-way transactions in 2023 were below the record-breaking levels seen during the pandemic
 - While the numbers are smaller, the geographical trends are the same



County-to-County Migration is Decelerating, but 2023 Was Still Well Above Average

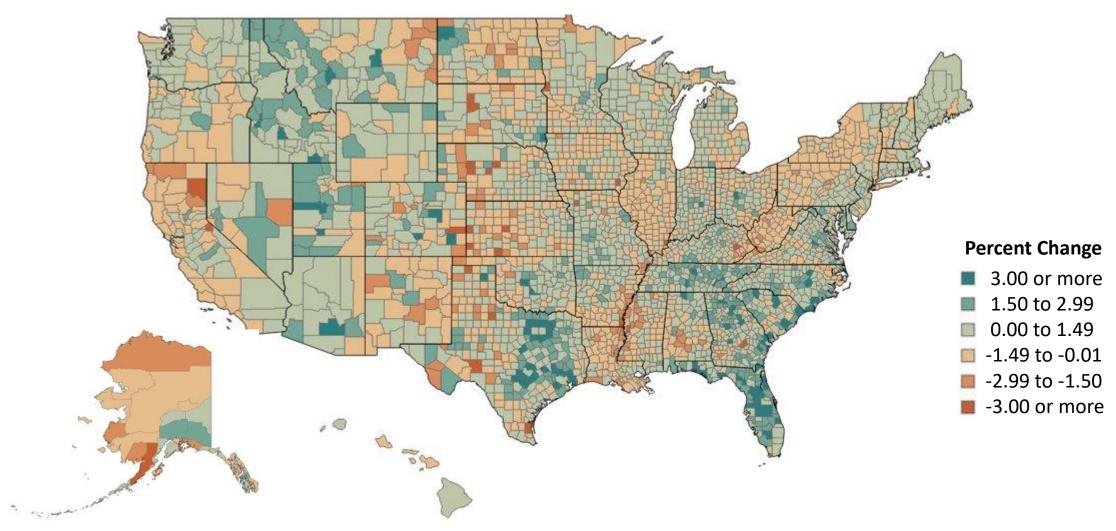






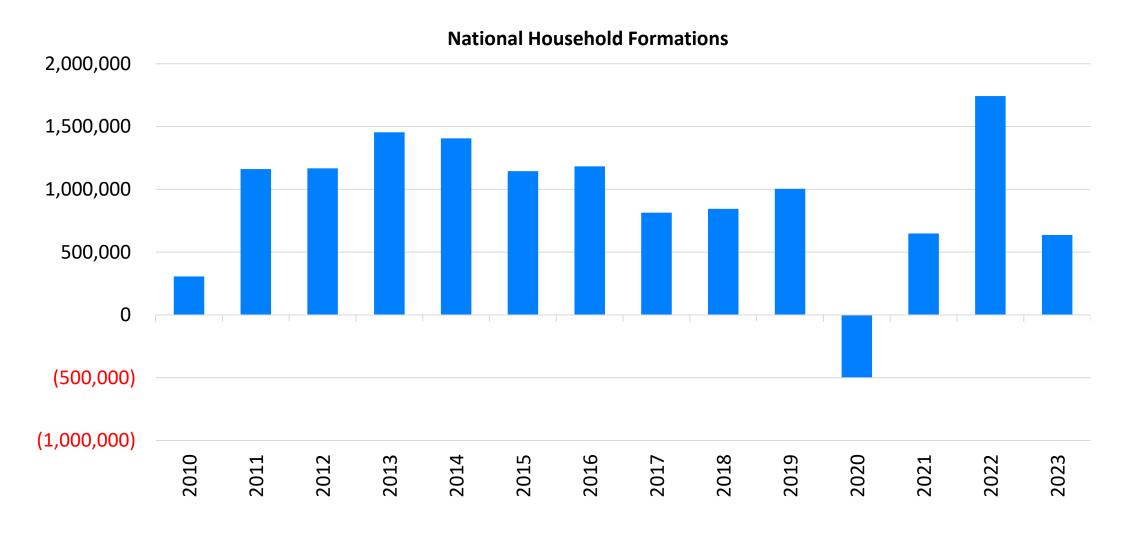
Western and Southern States Have Experienced Significant Population Growth







There Was a Surge in Household Formations Coming Out of the Pandemic, But The Rate Has Since Returned To Norm





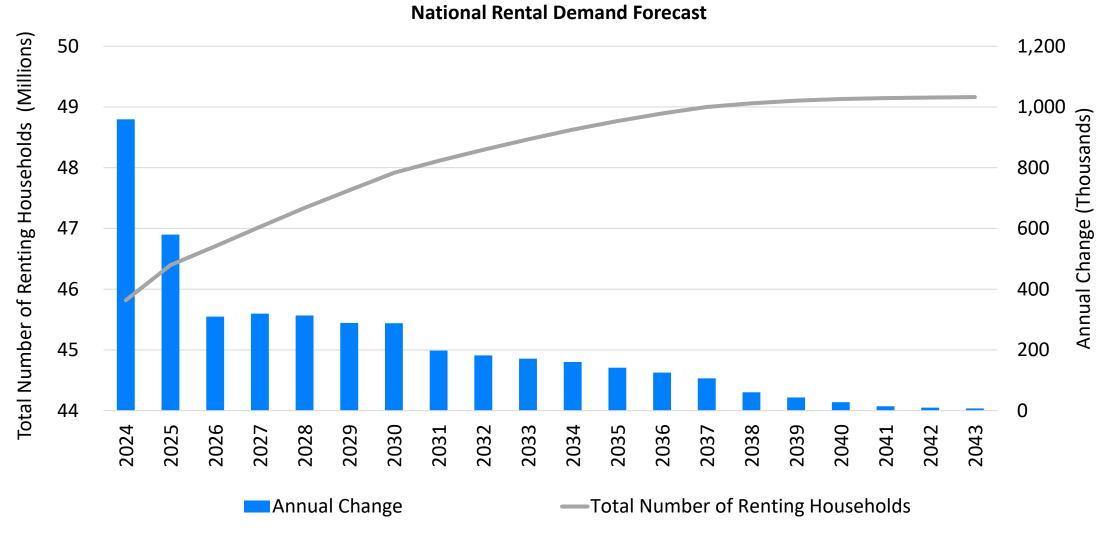
The U.S. Census Bureau collects data from all foreign born who participate in its censuses and surveys, regardless of legal status. However, evidence suggests that the Census undercounts noncitizens | Source: Yardi Matrix; Moody's Analytics; U.S. Census Bureau; "Noncitizen Coverage and Its Effects On U.S. Population Statistics," J. David Brown, Misty L. Heggeness and Marta Murray-Close (2023)

Demographics: How They Could Impact A 20-Year National Renter Demand Forecast

Factor	Direction	Impact
Population Growth	Slowing	Negative Impact: Low population growth in the next 20 years will reduce the number of new HH formations
Birth Rate	Down	Impact is Baked in: Impacts population growth and thereby HH growth in the long- term, but factors less in a 20-year outlook as today's primary and youngest renter cohort (Gen Z, whose population size is known) will be the most consequential players
Immigration	Slowing (But subject to political changes)	Negative Impact: Limits population growth and thereby new household formations, off of 2021 to 2023 highs
Domestic Migration	Slowing	Impact is Local: While important to a market-level analysis, irrelevant to a national forecast
Household Formations	Slowing	Negative Impact: The pandemic boom was temporary and affordability concerns are expected to mitigate against demographics
Home Prices	Up	Positive Impact: Reduced home affordability pushes more would-be homebuyers into the rental market
Homeownership	Down	Positive Impact: Lower homeownership rates will create more renters
Household Size	Down	Positive Impact: There has been a rise in single-person households, which will increase HH formations

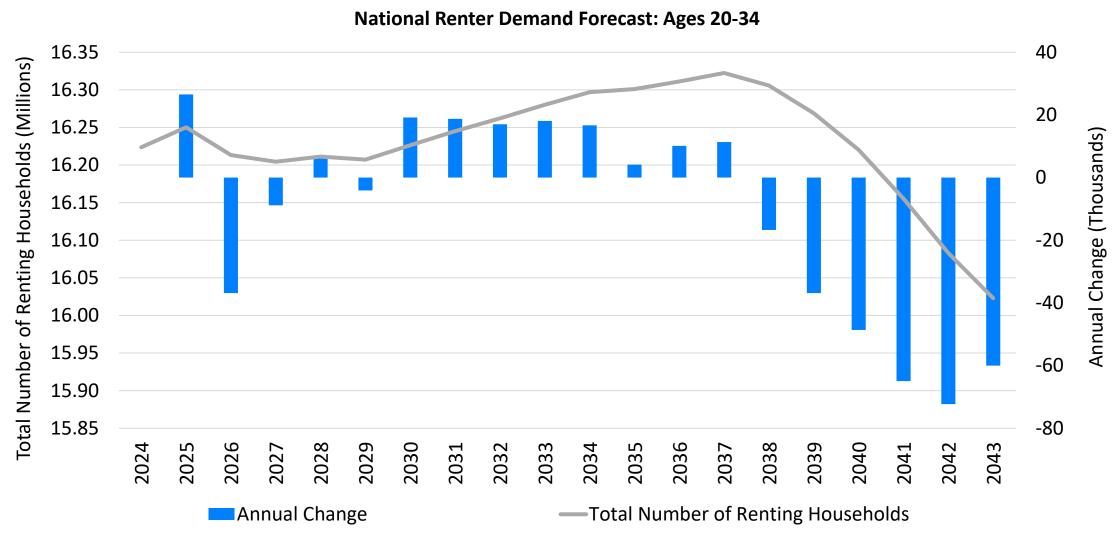


The Total Number of Renting Households is Expected to Increase for the Next 10 Years, Then Flatline Heading into the 2040s

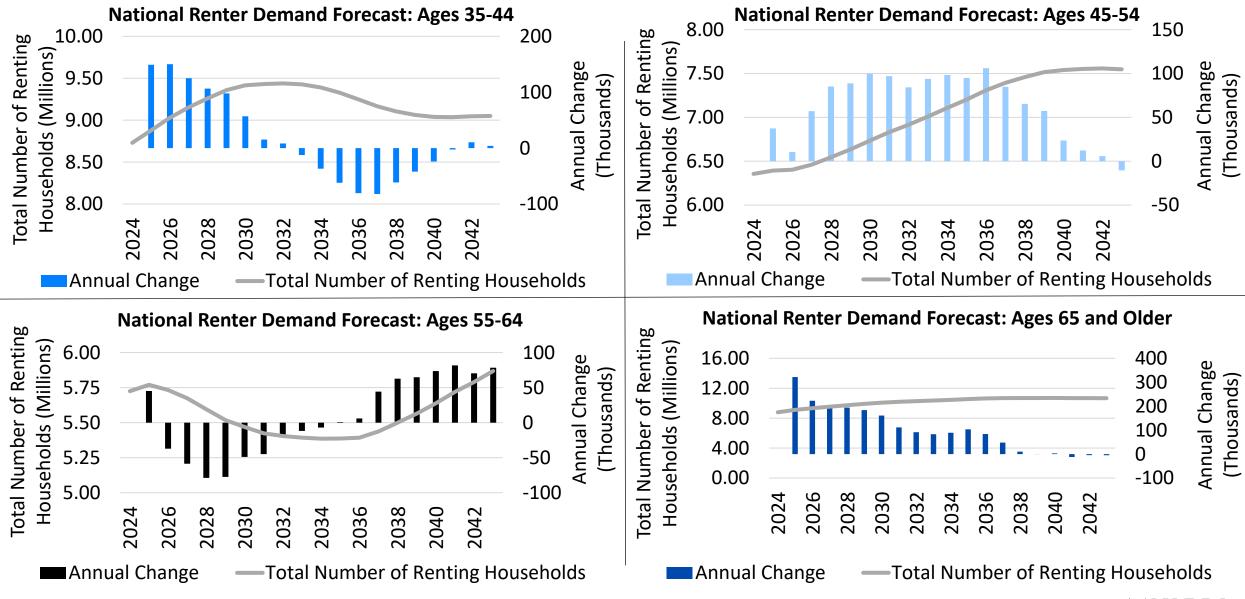




The Youngest and Primary Renter Cohort is Forecasted to Peak in Terms of Total Number of Renting Households in 2037 Before Falling



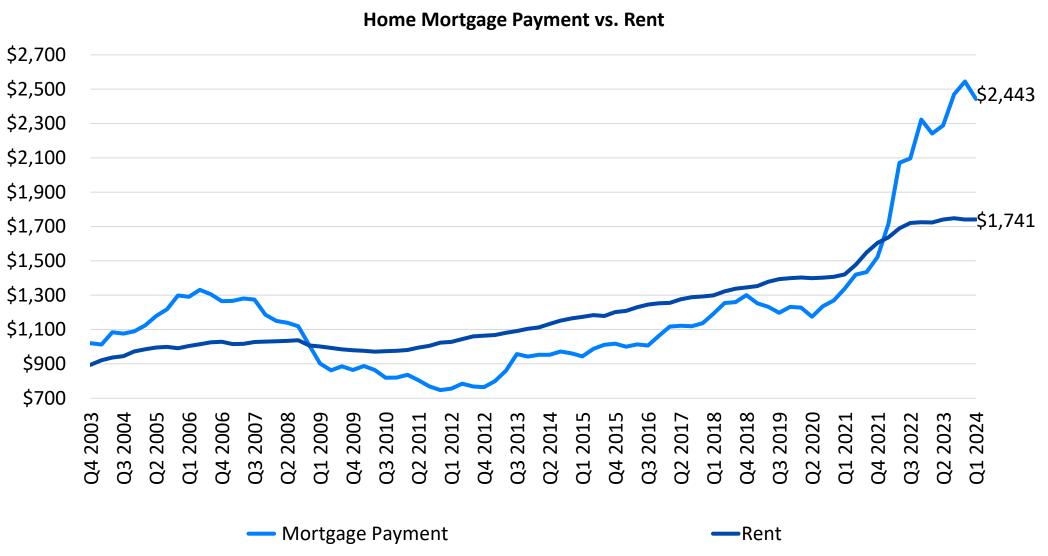
Most Other Cohorts Will Flatline in Renting Households in the 2040s as well



AFFORDABILITY

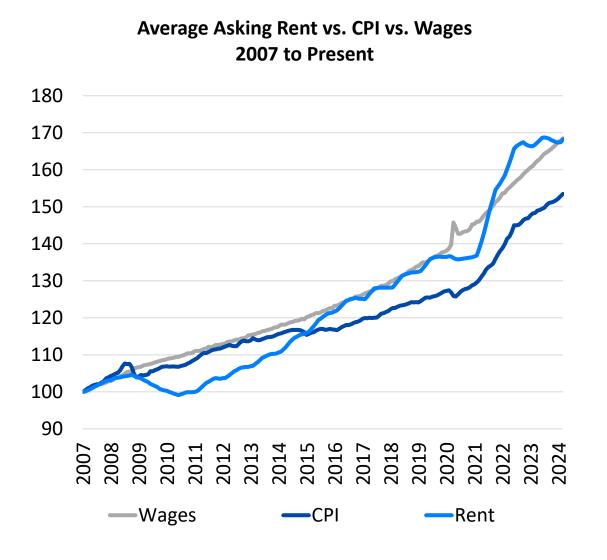


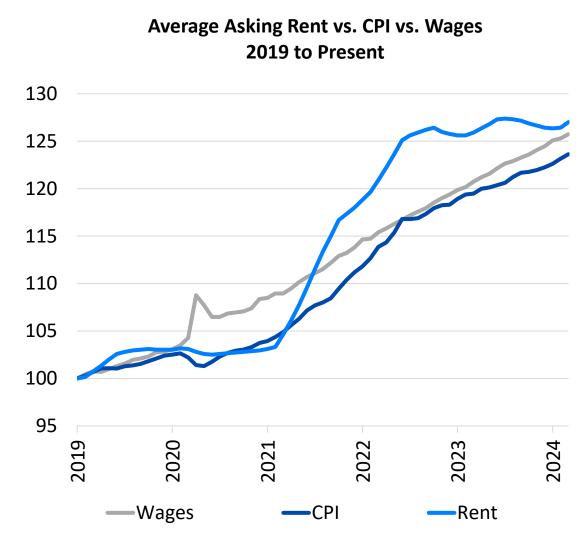
Renting is Still a Better Deal Compared to the Cost of Owning





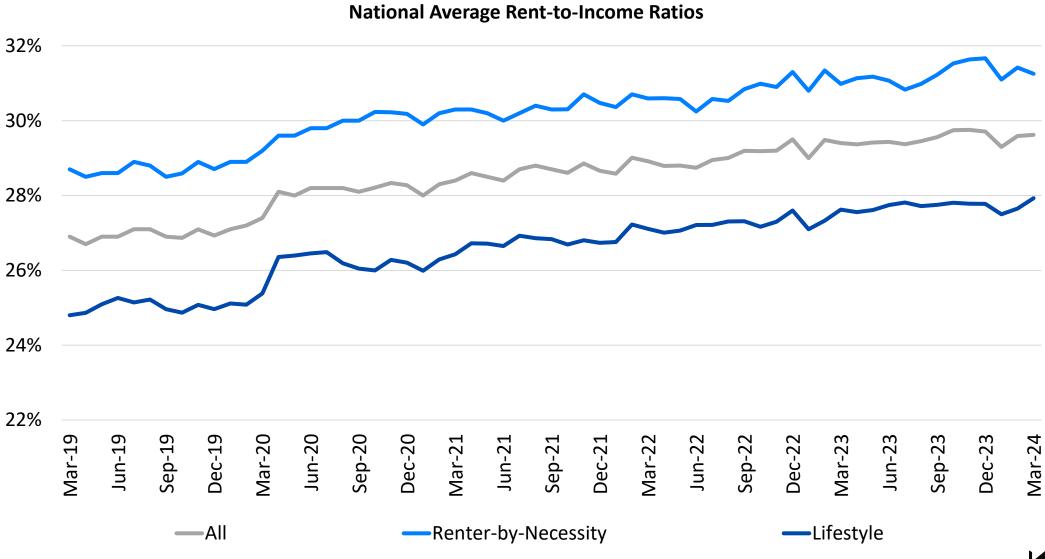
Wage Growth is Catching up to Rent Growth, as Both Outpace Inflation







Rent-to-Income Ratios Highest in Renter-by-Necessity Class





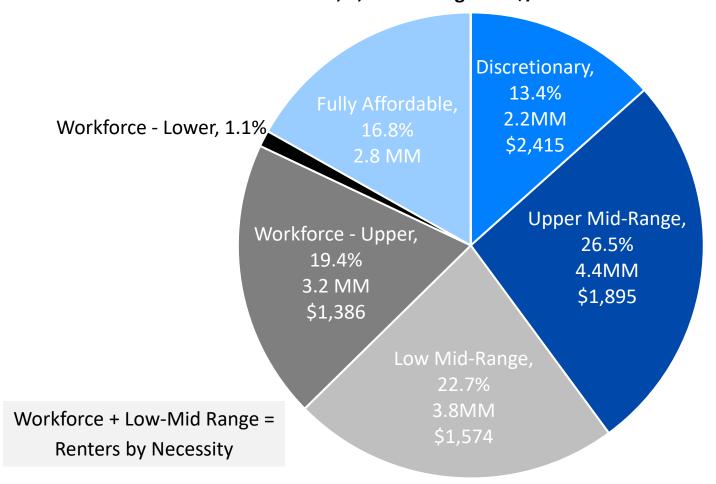
High Rent-to-Income Ratios at the Lower-End Put Pressure on Those Already Cost Burdened

		Lifestyle Units		Renter-by-Necessity Units			
Market	March 2023	March 2024	Change	March 2023	March 2024	Change	
Long Island	28.7%	25.8%	-2.9%	45.0%	49.8%	4.8%	
Chattanooga	32.3%	23.8%	-8.4%	39.2%	43.4%	4.2%	
Memphis	27.4%	29.7%	2.4%	36.9%	40.5%	3.6%	
McAllen	0.0%	38.1%	38.1%	25.2%	39.2%	14.0%	
San Francisco	26.3%	26.5%	0.2%	35.2%	38.7%	3.4%	
Corpus Christi	30.9%	24.9%	-6.0%	38.4%	38.4%	0.1%	
Worcester - Springfield	26.1%	30.6%	4.5%	34.2%	38.2%	3.9%	
Bridgeport - New Haven	26.9%	28.6%	1.7%	37.6%	38.0%	0.4%	
Knoxville	26.4%	31.4%	5.0%	27.3%	37.2%	9.9%	
Pensacola	26.8%	27.1%	0.3%	38.4%	36.9%	-1.5%	
San Diego	30.0%	31.7%	1.7%	35.6%	36.8%	1.2%	
Sacramento	39.0%	31.7%	-7.2%	43.9%	36.5%	-7.4%	
Washington DC	29.9%	32.0%	2.1%	35.6%	36.3%	0.7%	
Boston	25.7%	28.3%	2.6%	34.3%	36.3%	1.9%	
Madison	29.0%	29.5%	0.5%	31.8%	35.4%	3.6%	



Workforce Housing Currently Comprises Approximately One-Fifth of Completed Rental Units; Half of Renter HH's are Outside the Private Market





Income Levels Required To Be "Affordable"	Income of Renter HH		
Discretionary = \$96,600/year	47514 2004		
Upper Mid-Range = \$76,104/year	>\$75K: 30%		
Low Mid-Range = \$63,212	450 475W 400V		
Workforce Upper = \$55,662	\$50-\$75K: 18%		
	\$35-\$50K: 13%		
	\$20-\$35K: 16%		
	<20K: 23%		



Responses to Affordability

MARKET RESPONSES TO AFFORDABILITY

- 1) Co-living
- 2) Short-term Rentals
- 3) Airbnb Sublet Deal with Apartment Landlords
- 4) Conversions
 - Office to Apartments
 - Hotels to Apartments
- 5) BUILD!

PUBLIC POLICY RESPONSES TO AFFORDABILITY

- 1) Curtail Demand
- 2) Encourage Supply
 - Reduce Zoning Impediments
 - Provide Incentives
- 3) Explicitly Cross-Subsidize Certain Populations
 - \$32B already spent on Vouchers (Section 8)
 - \$16B already spent on Project Based Section 8
 - \$25B already spent on Federal Low Income Housing Tax Credits
- 4) Regulate/Suppress Market Forces: Rent Control, etc.



Source: Yardi Matrix

Texas' Incentives to Build Partially Affordable Projects

Texas' Public Facility Corporations (PFCs):

Property Tax Abatement

- Public Facility Corporations (PFCs) are nonprofit entities that are operate on a local level
 - o Created by a municipality, county, school district, housing authority, or sponsor
- Texas law recognizes qualified affordable housing as public use
- PFCs can qualify for a 100% property tax exemption for owning eligible affordable housing properties
- Recent changes now require PFCs to remain in their own jurisdictions & provide notice when leasing to an operator

Household Income Requirements

- Baseline Income Requirements
 - Applies if property is occupied with existing rent restrictions or unoccupied at time of acquisition by the PFC
 - 10% of the units must be rented to households who earn 60% or less of AMI
 - o Annual rent may not exceed 30% of 60% of AMI for the applicable household size
 - 40% of the units must be rented to households who earn 80% or less of AMI.
 - Annual rent may not exceed 30% of 80% of AMI for the applicable household size
- Renovation Requirement
 - o If occupied at time of acquisition, PFCs have a choice to renovate the property
 - $_{\circ}$ If declined, 25% of the units must be reserved for 60% or less of AMI and 40% for those below 80% AMI
- o If renovated, 15% of the total gross cost must be spent and only the Baseline Income Requirements must be met



Florida's Incentives to Build Partially Affordable Projects

Florida's State Apartment Incentive Loan (SAIL) Program:

SAIL Overview

- Administered by the Florida Housing Finance Corporation (FHFC) to provide low-interest loans for the construction or substantial rehabilitation of affordable housing
- Part of gap financing and usually paired with additional funding sources
- Funding is accessed through the Request for Applications (RFA) process
 - RFAs are a multifamily allocation process where FHFC issues funds on a competitive basis

Qualifications

- At least 20% of units reserved for those at 50% or less of AMI
- $_{\circ}$ If used in conjunction with housing credits, 40% of units reserved for those at 60% of AMI
- SAIL funding will cover a maximum of 25% of the development cost with some exceptions
 - Exceptions include: Nonprofit/public sponsors with at least 10% funding from other sources, developments with at least 80% set aside for defined demographics, or by committing units for Extremely Low-Income (ELI) households (10% if using Competitive Housing Credits or 5% if not)
- Required annual reporting and a compliance period of 50 years unless otherwise stated in the RFA
 - ELI units may convert to 60% AMI units after 15 years if not using income averaging
 - Eligible units financed via the National Housing Trust Fund (NHTF) may convert to 60% AMI after 30 years
 - NHTF is a federal program that provides funding for low-income housing



Florida's Incentives to Build Partially Affordable Projects

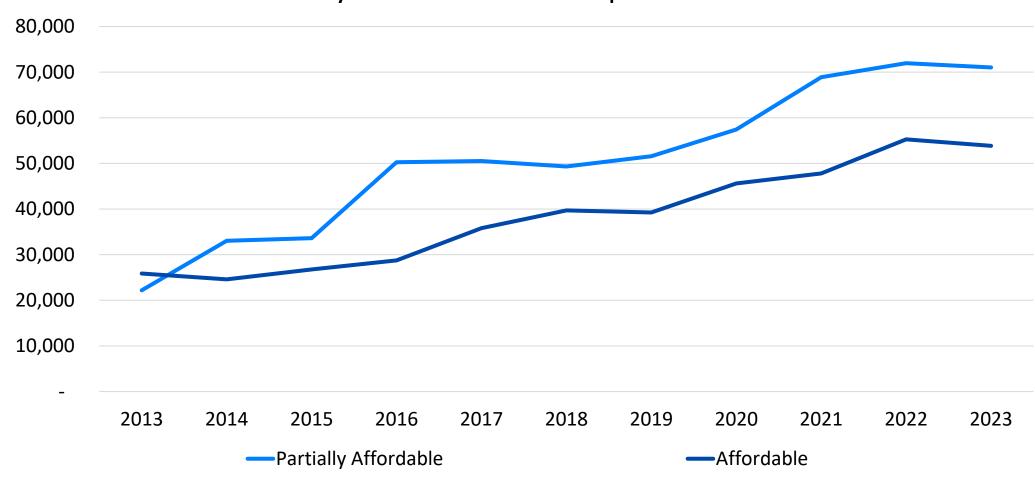
Florida's Live Local Act:

- Amendment to Zoning Laws
 - o Previously, counties were allowed to bypass local zoning regulations on residential, commercial, or industrial land
 - o Required 10% of units to be affordable housing and the developer to not receive/apply for any SAIL funding
 - o Amendment allows for SAIL funding, but removes the zoning bypass for residentially-zoned affordable developments
 - Now, counties **must authorize** proposed mixed-use/multifamily projects in **any** commercial, industrial, or mixed-use zones without any comprehensive plan amendments, rezoning or other special approvals needed
 - Mixed-use projects need to reserve at least 65% of total square footage for residential units
 - To qualify, properties must have at least 40% of residential units as affordable housing
 - Affordability defined as total monthly rents not to exceed 30% AMI for tenants who are extremely-low-income (30% AMI), very-low-income (50% AMI), low-income (80% AMI), and moderate-income (120% AMI)
- Affordable Housing Property Tax Exemption
 - Exemptions available if a 50+ unit property has 20% of units reserved for tenants at 60% AMI
 - o If fully affordable, 100% exemption on assessed value per affordable unit
 - o If less than 100% of units are affordable, up to 75% exemption on assessed value per affordable unit
- Building Materials Sales Tax Refund: Developers can refund up to \$5,000/eligible unit for sales taxes paid for building materials
- Live Local Credit (Corporation Tax Donation Credit): Corporations may get 100% credit for qualified contributions used by SAIL
- Additional SAIL Funding: An additional \$150 M in new, recurring funds for the SAIL program
- **Prohibition of Rent Control:** Removes language from current law that allows under certain circumstances a county, municipality or local government to pass an ordinance to impose rent controls



Partially Affordable & Affordable Housing Completions Have Trended Upward Over Time

Partially Affordable & Affordable Completions Over Time





GSE Loan Programs Incentivize "Affordablility" in Conventional Multifamily

Workforce Housing Preservation (Freddie Mac)

- Private borrowers may voluntarily agree to restrict rents on units for residents at 80% Area Median Income (AMI)
- At least 20% of units must be set aside to meet these affordability standards
- Rents must be preserved for the lesser of the term of the loan or 10 years
- Freddie Mac Loan Agreement regulates rent restrictions with annual rent monitoring to ensure affordability
- 1.25x/80% max credit parameters & competitive loan pricing

Sponsor-Initiated Affordability

- Incentivizes voluntary preservation and creation of affordable units via competitive loan pricing
- Conventional properties may qualify if at least 20% of units are affordable (30% of income) at 80% AMI
- 5-30 year loans at competitive rates and flexible terms
- 1.25x/80% maximum credit parameters
- Possible 1.20 DSCR if in eligible market, borrower is an affiliate/sponsor, at least 50% of units are restricted at 80% AMI, and actual rents are at least 10%

Tenant Advancement Commitment

- Borrowers restrict rents on conventional properties
- Enter into a Master Financing Commitment with Freddie Mac
- Min 7-year fixed & floating rate loans with favorable terms
- Loans receive full mission pricing benefits
- Preservation of Affordable Rent Covenant (PARC) helps determine the percentage of restricted rent units
- Annual rents may be no more than 30% of income @ 60-80%
 AMI

Targeted Affordable Housing Bridge Loan (Freddie Mac)

- Short-term financing to help acquire/refinance non-LIHTC and LIHTC properties near end of compliance period
- Helps borrowers bridge the gap to later recapitalize using 4% LIHTC or long-term Freddie Mac financing & public subsidies
- 24-month, interest-only floating rate loan with 6-month extension at 1.15x/85% LTV for LIHTC eligible and 1.20-1.25x/80% LTV for non-LIHTC eligible
- Non-LIHTC eligible: 10-20% of units rent restricted at 80-120% AMI depending on market. Other units at market rent



New Proposed Programs Modeled After LIHTC Aim to Expand Affordable Housing to a Broader Group

Workforce Housing Tax Credit (WHTC) & Middle-Income Housing Tax Credit (MIHTC)

Qualifications

- At least 60% of residential units would be occupied to tenants at 100% or less AMI
- Rents must be restricted to 30% of the designated income
- New projects are eligible for 50% of the buildings cost
- Rehabilitation projects are eligible for 20% of the cost
- 15-year compliance time frame

State-based decision making

- Local authorities are given discretion to select projects and utilize public-private partnerships
- Allows finance agencies to transfer the middle-income allocation to LIHTC to combine both tax credits

Allocation

- \$1 per capita with a minimum of \$1,500,000 for small states
- 30-year affordability period with a 15-year initial compliance time frame



The Mixing of Affordable With Conventional Multifamily Provides Opportunities for Expansion and Investment

Affordability issues in the US have created a need for federal and state-based programs

- Proposed Federal LIHTC legislation could substantially increase affordable housing over the next decade
- Local and state-based programs are proliferating, adding and expanding incentives to boost development of affordable rentals

Investment opportunities are not limited to new development

- Opportunity to acquire rehabilitation projects and receive tax credits over 10 years
- Construction is expensive and financing is tight in the current market the LIHTC program offers an option to multifamily developers
- Possibilities to invest in conventional multifamily properties that are eligible for affordable programs

Market growth

- $_{\circ}$ Despite an overall increase in affordable housing completions since 2013, demand greatly outpaces supply
 - The National Low Income Housing Coalition estimates that <u>extremely low-income households represent</u> <u>25% of the 44.1M U.S. renters</u>, meaning a <u>shortage of 7.3M affordable and available rental homes</u>
- Expect to see the supply of partially affordable & affordable housing continue to rise

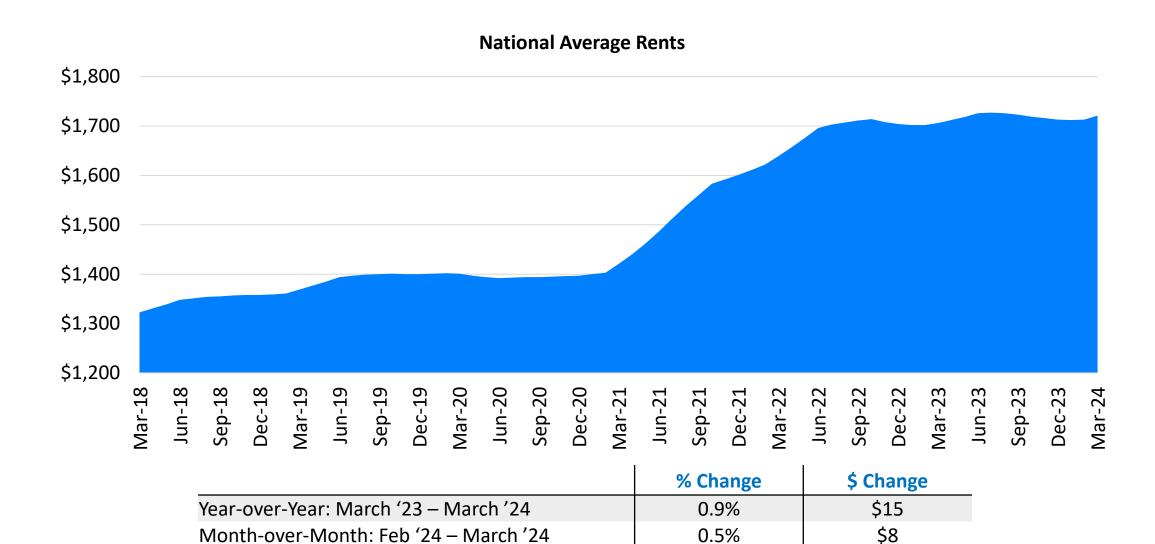
Expected to be an important, growing factor in multifamily — as a result, we are expanding the capabilities within the Yardi Matrix service to address the sector!



MULTIFAMILY FUNDAMENTALS



National Multifamily Rent Growth is Strong But Decelerating



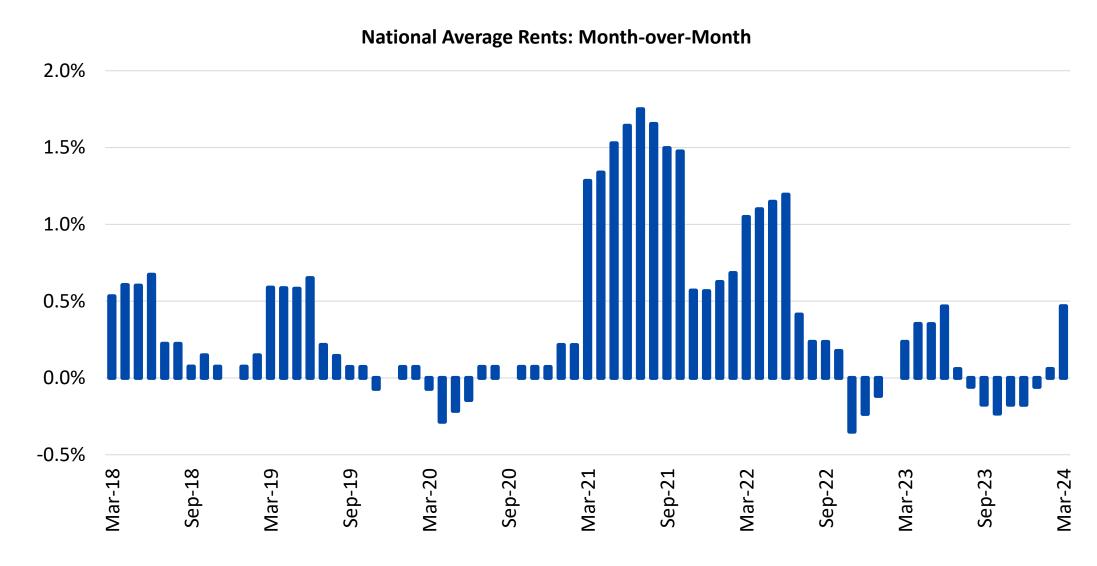
22.8%

\$319

Pre-pandemic to Current: Feb '20 – March '24

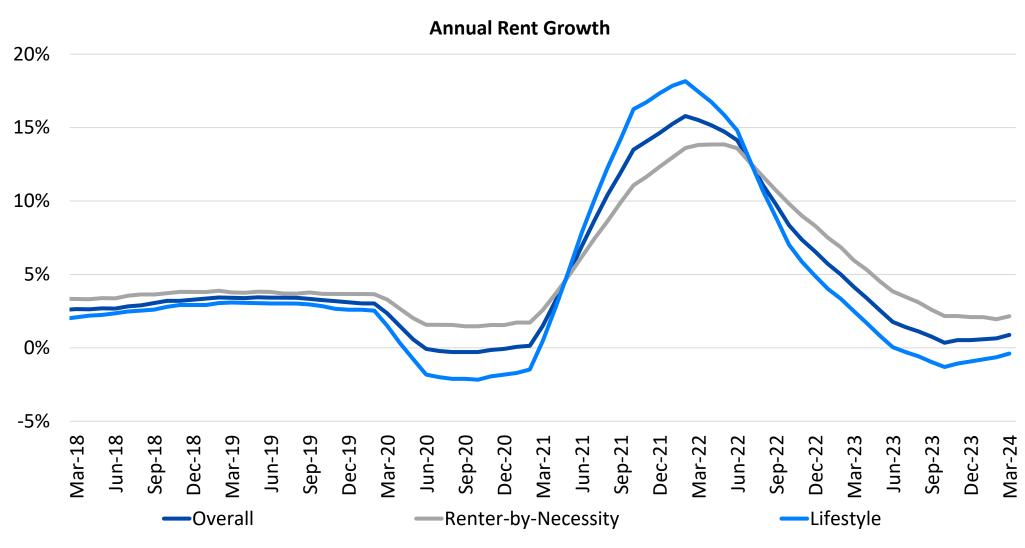


Rent Growth Has Been Positive After Several Months of Negative Growth





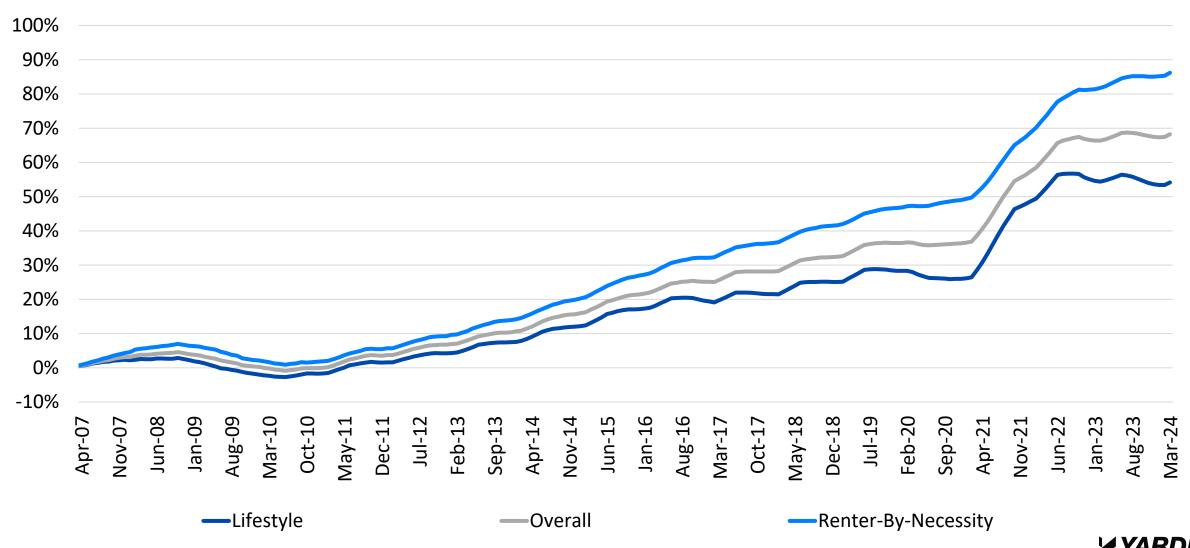
Lifestyle Rent Growth Surged at the End of 2020, But Has Since Fallen Behind Renter-by-Necessity Rent Growth





Renter-By-Necessity Properties Saw the Largest Cumulative Increases in Rents Post-Pandemic

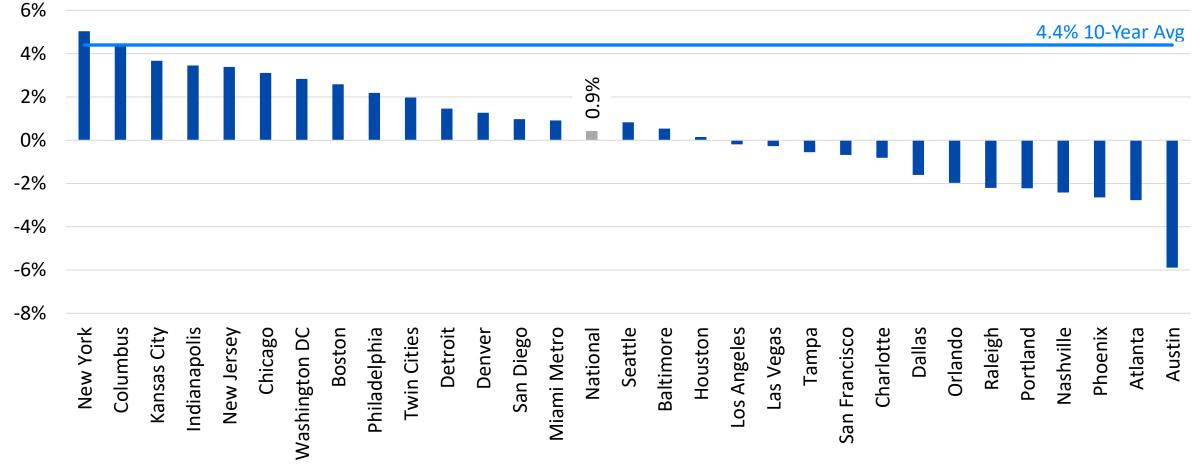
Cumulative Rent Growth Since 2007





Rent Growth Has Been Softening in Many Matrix Top Markets

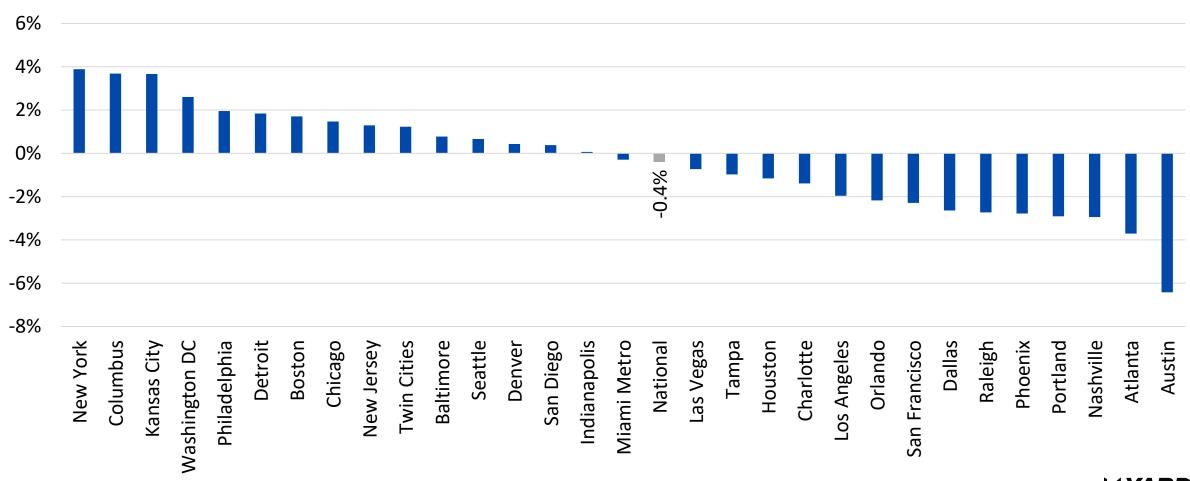






In March 2024, Sunbelt and Western Metros Experienced Rent Growth Declines in the Lifestyle Asset Class

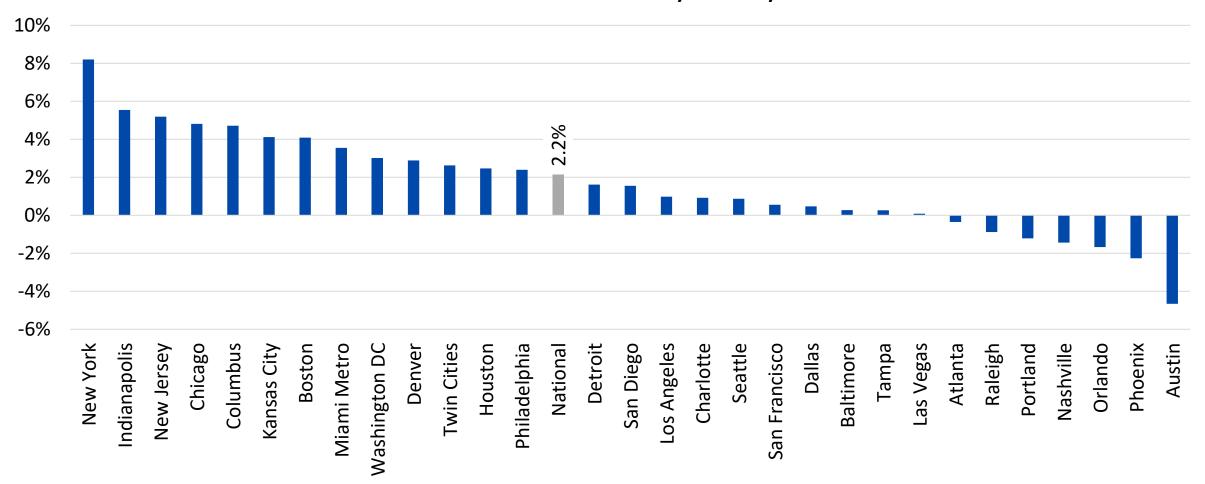
Year-Over-Year Rent Growth - Lifestyle Asset Class





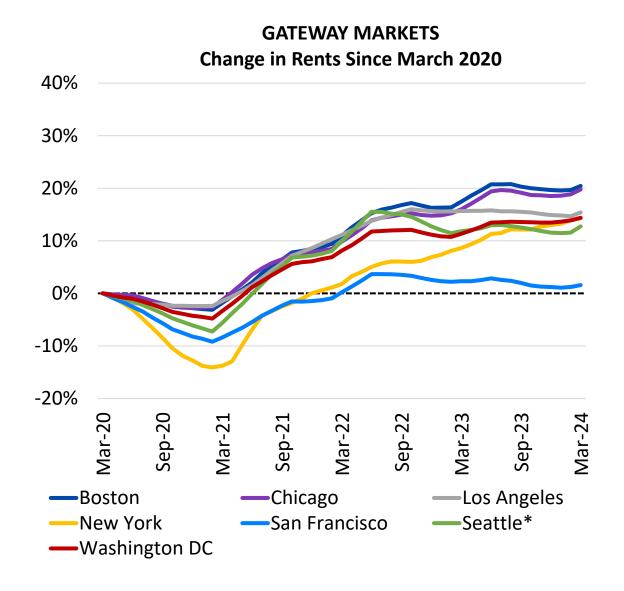
The Majority of Top Matrix Markets Experienced an Increase in Renter-by-Necessity Rent Growth in March

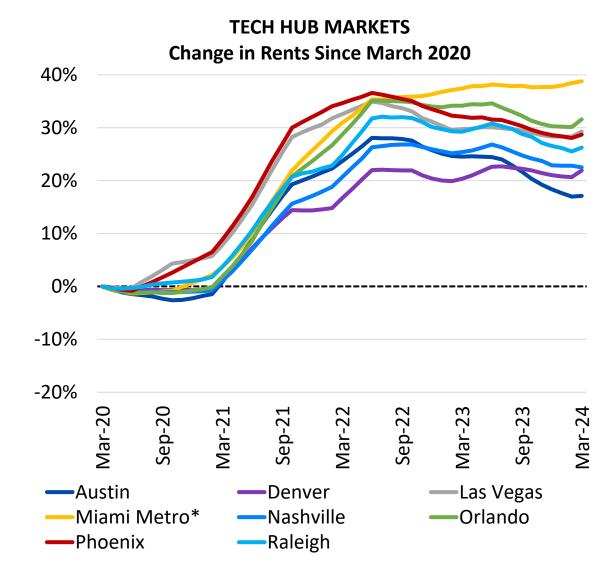
Year-Over-Year Rent Growth - Renter-by-Necessity Asset Class





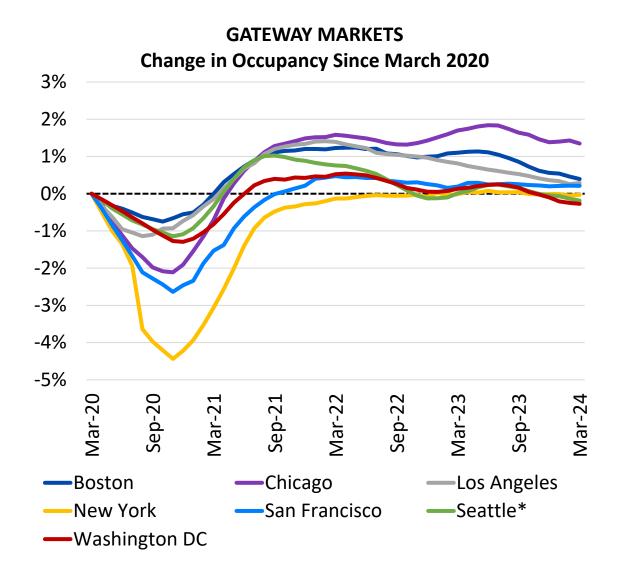
Multifamily Rent Growth Recovered Quicker in Tech Hubs than Gateway Markets

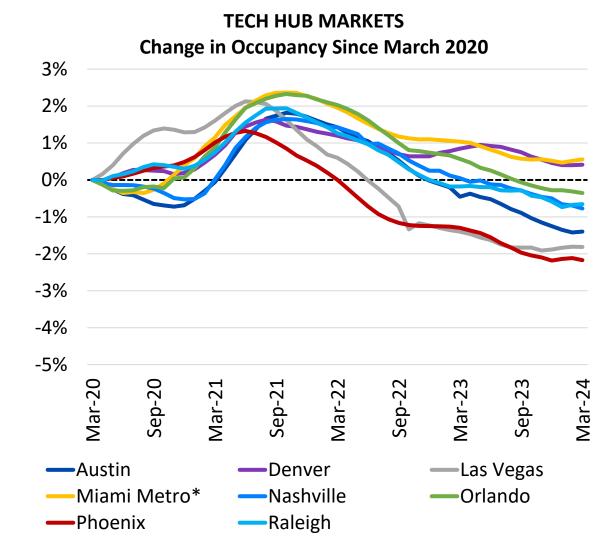






Multifamily Occupancy is Moderating in Both Gateway and Tech Hub Markets







Many Tertiary Markets Are Still Performing Well

Market	Mar 2023 Rent	Mar 2024 Rent	YOY Rent Growth	
Madison	\$1,468	\$1,553	5.8%	
Louisville	\$1,149	\$1,207	5.0%	
Milwaukee	\$1,377	\$1,440	4.6%	
Grand Rapids	\$1,236	\$1,291	4.4%	
Little Rock	\$950	\$989	4.1%	
Dayton	\$1,062	\$1,104	4.0%	
Bridgeport - New Haven	\$1,856	\$1,928	3.9%	
Cincinnati	\$1,279	\$1,328	3.8%	
Tulsa	\$952	\$988	3.8%	
Central East Texas	\$1,086	\$1,125	3.6%	
New Orleans	\$1,206	\$1,247	3.4%	
Eugene	\$1,515	\$1,559	2.9%	
El Paso	\$1,037	\$1,067	2.9%	
Richmond - Tidewater	\$1,473	\$1,514	2.8%	
Lansing - Ann Arbor	\$1,183	\$1,215	2.7%	
Cleveland - Akron	\$1,127	\$1,150	2.0%	

Market	Mar 2023 Rent	Mar 2024 Rent	YOY Rent Growth	
Tacoma	\$1,716	\$1,751	2.0%	
Central Valley	\$1,531	\$1,562	2.0%	
Spokane	\$1,369	\$1,390	1.5%	
Birmingham	\$1,213	\$1,228	1.2%	
Greenville	\$1,289	\$1,304	1.2%	
Reno	\$1,527	\$1,544	1.1%	
Savannah - Hilton Head	\$1,618	\$1,631	0.8%	
Tucson	\$1,202	\$1,211	0.7%	
Memphis	\$1,160	\$1,167	0.6%	
Baton Rouge	\$1,145	\$1,149	0.3%	
Huntsville	\$1,167	\$1,163	-0.3%	
Colorado Springs	\$1,515	\$1,501	-0.9%	
Pensacola	\$1,566	\$1,546	-1.3%	
Jacksonville	\$1,547	\$1,492	-3.6%	
Southwest Florida Coast	\$2,101	\$1,977	-5.9%	



Midwest Performing Well via Re-industrialization and Modest New Supply

Market	2024 Completions (F)	% of Starting Inventory	March Rent		Q1 2024 Rent Growth	2024 Rent Growth (F)
Kansas City	2,928 units	1.7%	\$1,271	5.6%	0.8%	2.7%
Indianapolis	4,831 units	2.7%	\$1,258	6.7%	1.2%	2.4%
Cincinnati	3,768 units	3.2%	\$1,328	7.6%	0.9%	3.0%
Columbus	3,759 units	2.0%	\$1,285	5.4%	1.1%	3.2%
Milwaukee	3,328 units	3.5%	\$1,440	4.7%	1.9%	2.9%
Louisville	2,242 units	2.5%	\$1,207	5.3%	1.7%	3.5%
Omaha	2,906 units	3.1%	\$1,206	7.1%	0.7%	2.8%
Dayton	-	-	\$1,104	6.4%	0.3%	3.5%
Lexington	483 units	1.3%	\$1,151	7.1%	0.6%	3.5%

Factors Driving Growth in the Midwest:

- Affordability
 - The continuance of work-from-home policies has allowed many to move from expensive coastal cities to these more affordable Midwest metros
 - o High mortgage rates have kept many potential buyers in the rental market, thus putting greater pressure on demand
- Modest development
 - Completions are keeping better pace with demand than the Sun Belt which has seen an influx of supply
- Job growth
 - The growing electric vehicle industry is expected to create over 25,000 jobs in Ohio by 2030
 - Meta and Google are both slated for data center projects in Indiana in the coming years



Several Gateway Markets Are Making A Comeback From Pandemic Lows, But Rent Regulations Pose Political Risk

Market	2024 Completions (F)	% of Starting Inventory	March Rent		Q1 2024 Rent Growth	2024 Rent Growth (F)	
New York	13,177 units	2.2%	\$4,462	4.9%	0.9%	3.1%	
Chicago	5,668 units	1.4%	\$1,889	5.0%	0.4%	1.3%	
Washington DC	8,830 units	1.5%	\$2,141	2.5%	0.6%	1.6%	
Boston	6,647 units	2.5%	\$2,776	4.4%	0.1%	1.6%	

New York

- Plethora of convoluted rent control, rent stabilization and mandatory inclusionary zoning policies
- Most regulations apply to older buildings (pre-1974)

Chicago

• Statewide ban on rent control but there are several bills in the State House to repeal it

Boston

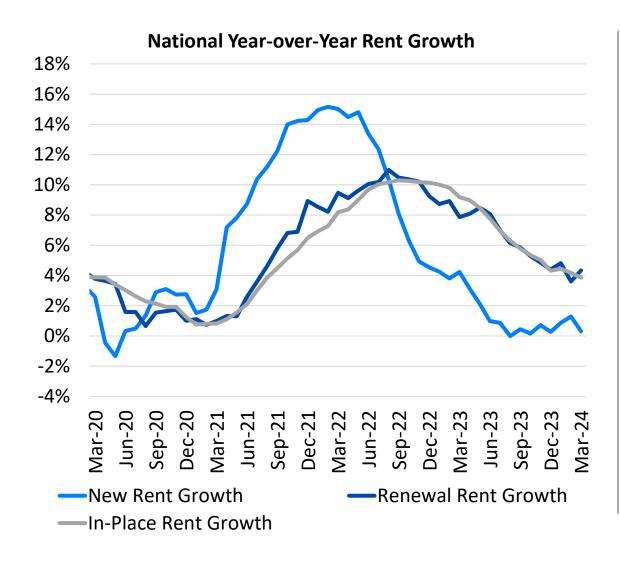
- Rent Control Initiative: Would make the max allowable annual rent increase be either based on the change in CPI + 6% or a max of 10%, whichever is lower; Proposal to build 3,000 public housing units
- The state of MA currently has a ban on rent control, and the initiative has little chance of passing the state legislature

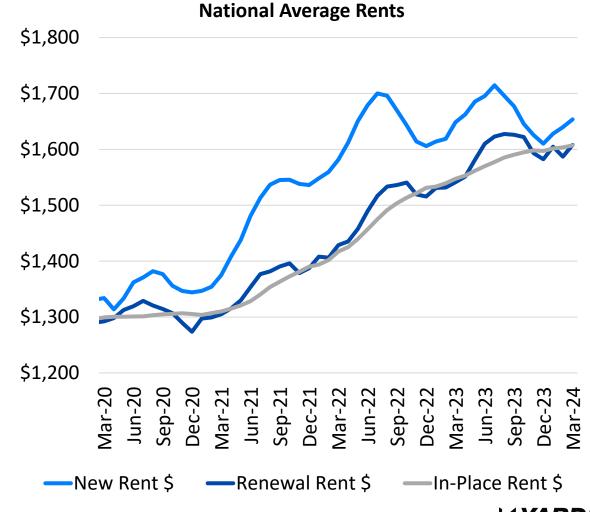
Washington DC

• Rent increase cap at 6% for rent controlled apartments over the next 2 years (4% rent increase cap for units occupied by seniors and those with disabilities); Sales subject to TOPA (current residents first right of refusal)



Multifamily Rent Growth on New, Renewal and In-Place Transacted Leases Remained Positive in Q1 2024

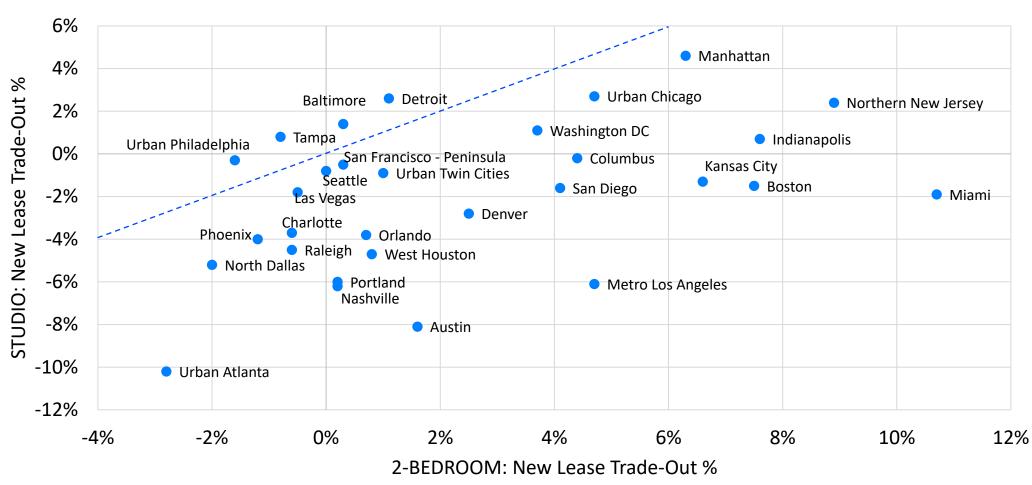


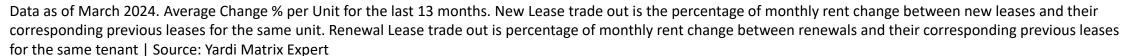




New Lease Trade-Out is Higher for 2-Bedroom Units than Studio Apartments in Nearly All the Top Metros

Studio vs. 2-Bedroom: New Lease Trade-Out %

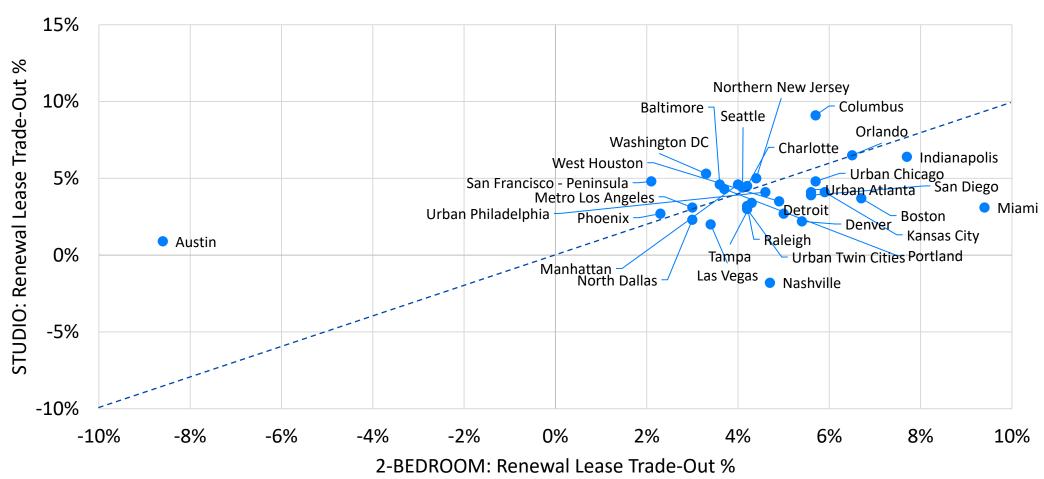


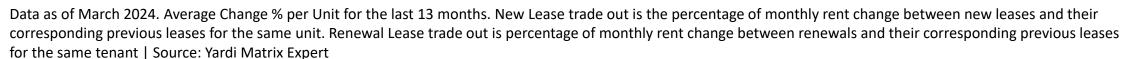




Renewals Lease Trade-outs Are Holding Up Pretty Well in Top Markets, With the Exception of Austin

Studio vs. 2-Bedroom: Renewal Lease Trade-Out %







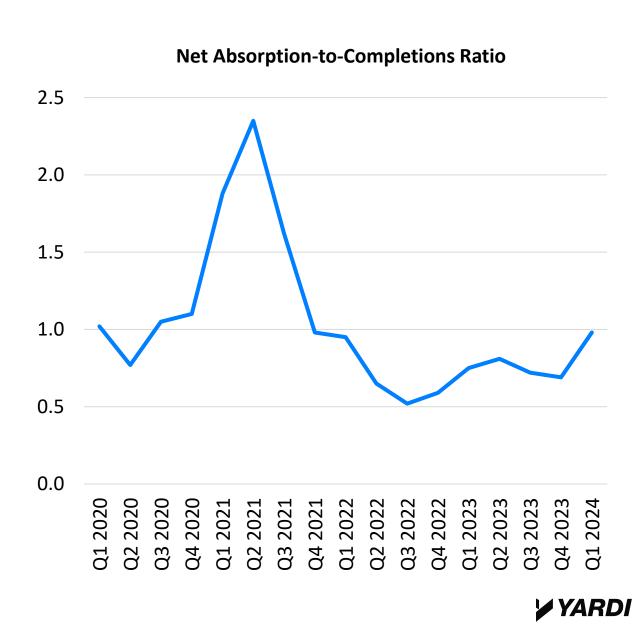
Performance Metrics For The High Supply Markets

Market	New Rent Growth %	New Rent \$	Renewal Rent Growth %	Renewal Rent \$	In-Place Rent Growth %	In-Place Rent \$	Occupancy Growth %	Occupancy	New Lease Trade Out %	Renewal Lease Trade Out %
Miami	1.8%	\$2,376	7.1%	\$2,194	8.5%	\$2,157	-1.1%	96.4%	5.0%	5.8%
Denver	1.7%	\$1,787	3.2%	\$1,790	3.5%	\$1,790	-0.1%	94.3%	0.8%	5.0%
Raleigh - Durham	-3.8%	\$1,414	3.3%	\$1,482	3.2%	\$1,474	-1.9%	92.8%	-3.9%	3.8%
Salt Lake City	3.2%	\$1,471	-1.5%	\$1,513	0.8%	\$1,498	1.3%	94.0%	-4.2%	3.7%
Orlando	1.3%	\$1,650	5.4%	\$1,612	4.6%	\$1,626	-0.2%	94.8%	-0.9%	3.7%
Charlotte	-1.3%	\$1,451	0.6%	\$1,464	2.3%	\$1,466	-1.0%	92.6%	-3.3%	3.5%
San Antonio	-3.5%	\$1,184	3.6%	\$1,220	2.3%	\$1,213	-2.5%	91.3%	-3.4%	3.4%
Jacksonville	-3.0%	\$1,410	2.9%	\$1,488	1.0%	\$1,457	-0.2%	93.4%	-3.7%	3.3%
Nashville	-3.4%	\$1,509	5.3%	\$1,572	1.9%	\$1,567	-1.8%	92.5%	-3.4%	3.1%
Phoenix	-3.4%	\$1,483	-0.2%	\$1,529	-0.3%	\$1,515	-0.9%	93.2%	-2.6%	2.6%
Austin	-8.6%	\$1,415	-0.9%	\$1,542	-1.1%	\$1,511	-2.8%	91.4%	-8.3%	2.4%



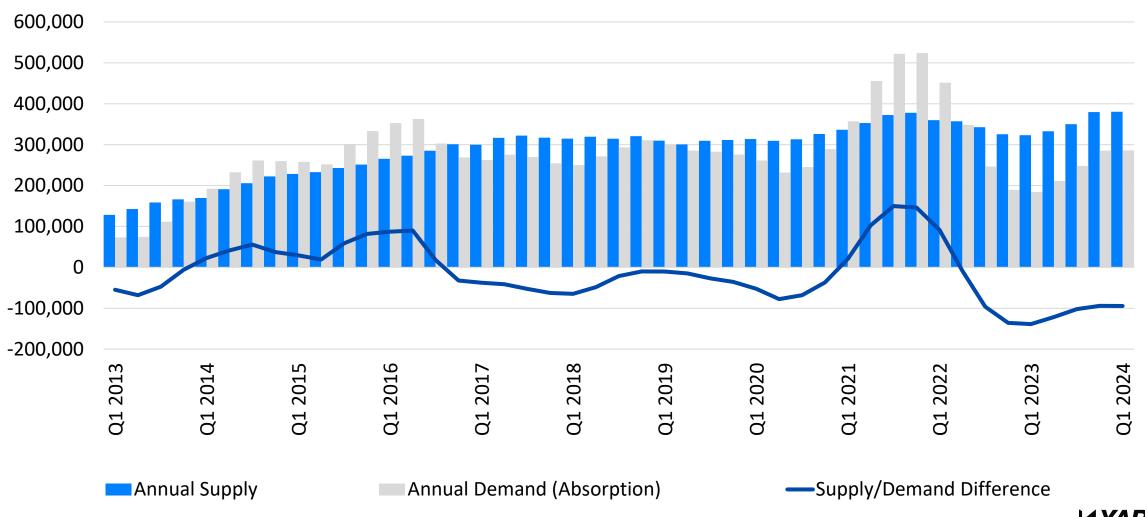
Net Absorption-to-Completions Saw an Increase in Q1 2024

Quarter	Completed Units	Net Absorbed Units	Net Absorption-to- Completions Ratio
Q1 2020	79,526	81,292	1.02
Q2 2020	68,089	52,206	0.77
Q3 2020	80,777	85,172	1.05
Q4 2020	91,261	100,283	1.1
Q1 2021	91,946	172,527	1.88
Q2 2021	84,532	198,593	2.35
Q3 2021	100,488	163,028	1.62
Q4 2021	94,226	92,597	0.98
Q1 2022	75,311	71,742	0.95
Q2 2022	80,230	52,023	0.65
Q3 2022	86,265	45,213	0.52
Q4 2022	78,032	46,196	0.59
Q1 2023	74,543	56,237	0.75
Q2 2023	96,263	78,371	0.81
Q3 2023	108,033	77,954	0.72
Q4 2023	112,603	77,400	0.69
Q1 2024	74,229	72,832	0.98

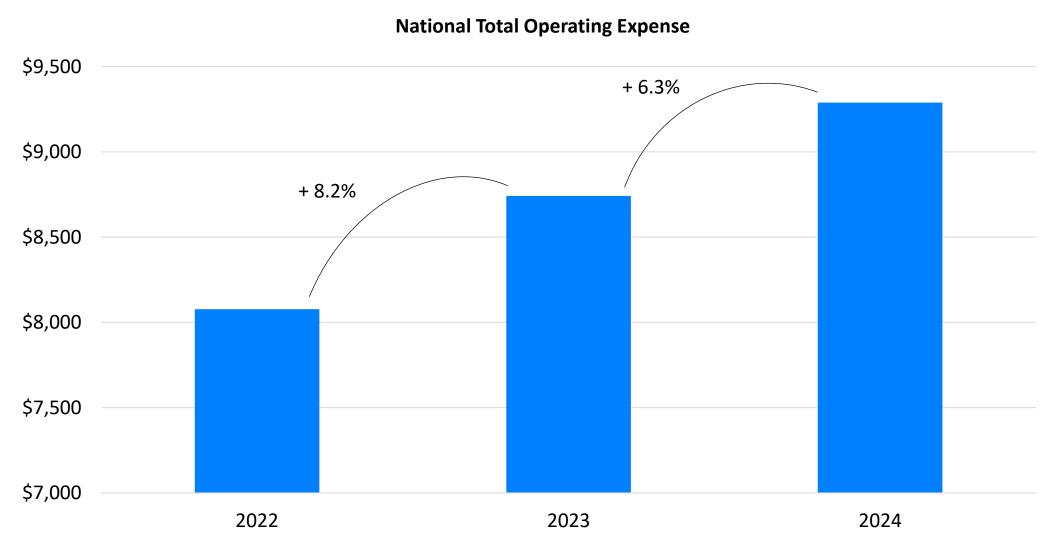


The Supply/Demand Difference Has Been Negative As A Consequence of the Influx of Deliveries in Recent Years

U.S. Annual Supply vs. Annual Absorption (Demand)



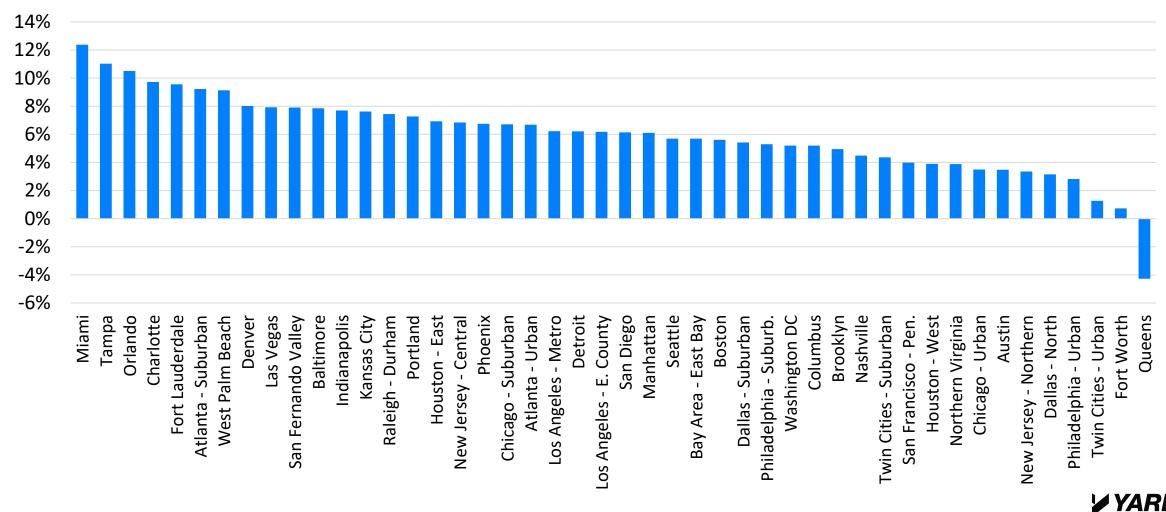
Total Operating Expenses for Multifamily Properties Are Increasing Nationwide



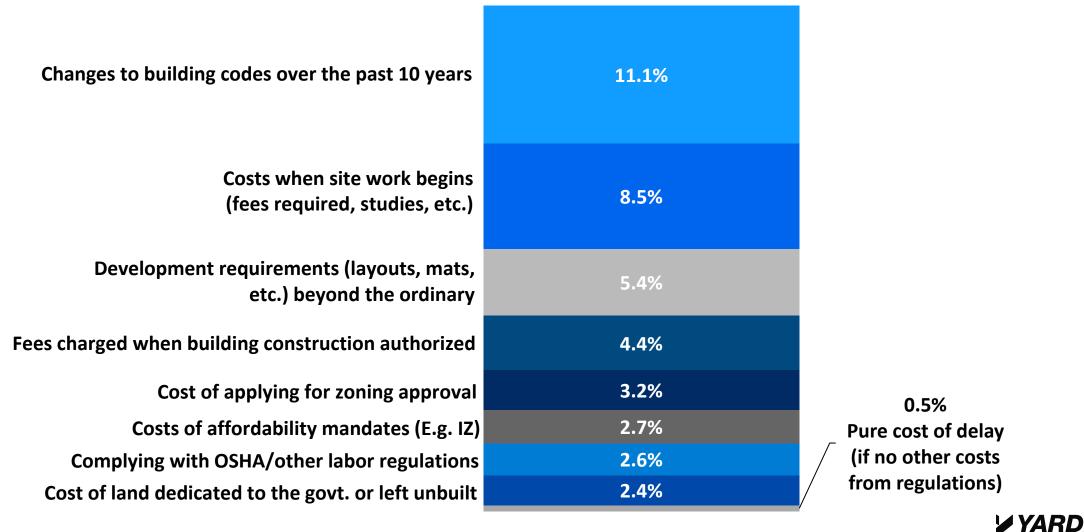


Most of Multifamily Markets Experience a Significant Increase in Operating Expenses Over the Last Year

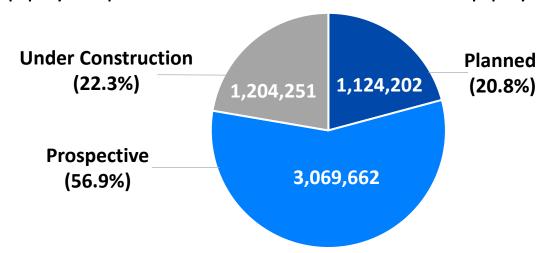
Growth in Total Operating Expenses 2023-2024 for Top Multifamily Markets



Regulations Account For 40% Of Multifamily Development Costs, Inhibiting Sufficient New Supply Growth



New Supply Pipeline: Where is New Supply Concentrated?



Top 10 Markets	Units	UC as a % of Existing Stock
Montana	5,227	28.5%
Huntsville	11,160	25.2%
Boise	6,144	22.7%
Colorado Springs	9,592	20.9%
South Dakota	5,854	20.1%
Port St. Lucie	3,554	19.5%
Austin	55,394	19.1%
SW Florida Coast	16,900	18.9%
New Bern	2,006	17.9%
Charlotte	36,078	16.7%

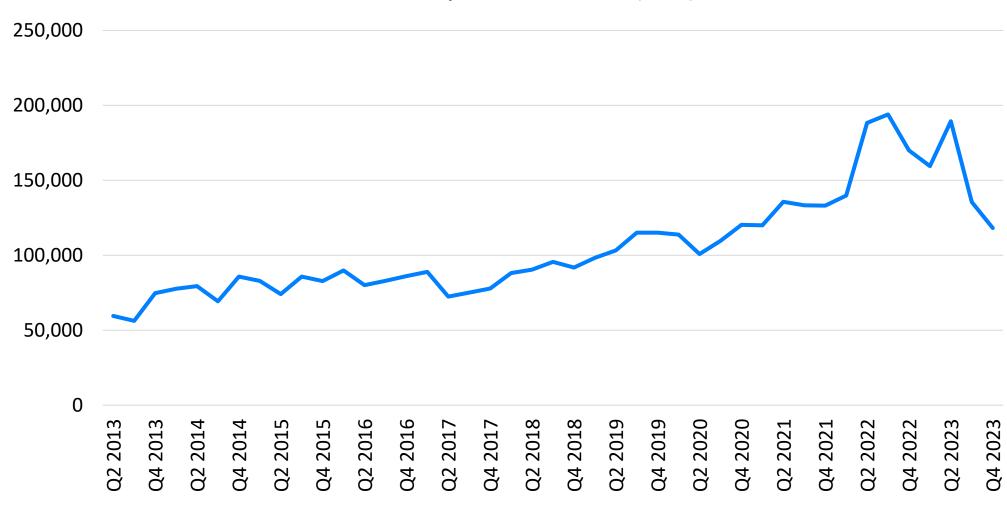
		Planned		
Top 10 Markets	Units	as a % of		
		Existing Stock		
Miami	49,783	30.3%		
Boise	8,103	29.9%		
Asheville	6,356	28.9%		
Port St. Lucie	4,735	25.9%		
Portland ME	2,939	19.1%		
Fort Lauderdale	21,713	18.1%		
SW Florida Coast	15,151	16.9%		
Los Angeles - Met	35,128	16.6%		
N. New Jersey	41,437	15.7%		
San Francisco	20,835	15.1%		

Top 10 Markets	Units	Prospective as a % of Existing Stock
Miami	114,241	69.6%
SW Florida Coast	58,365	65.2%
Boise	16,788	61.9%
Port St. Lucie	10,971	60.1%
Wilmington	12,106	49.4%
Clarksville	6,531	47.1%
Raleigh - Durham	84,690	46.0%
Orlando	112,543	42.6%
N. Central Florida	24,341	41.0%
Montana	7,329	40.0%



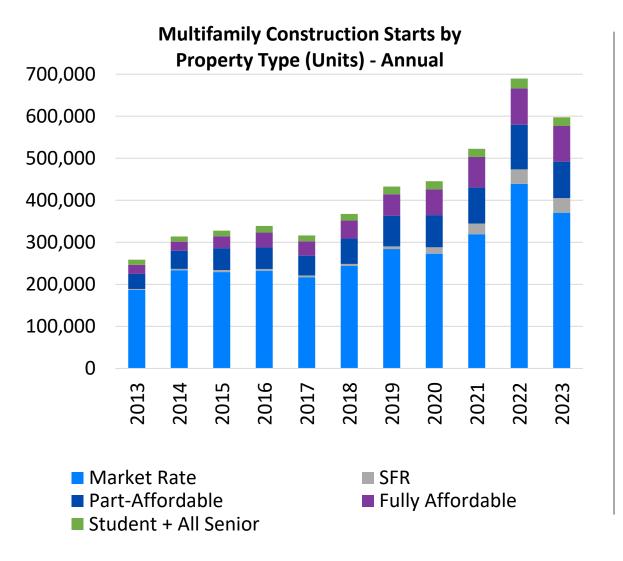
Multifamily Construction Starts Took a Dive Towards the End of 2023 After Peaking in Q2 2023 as well as Q3 2022

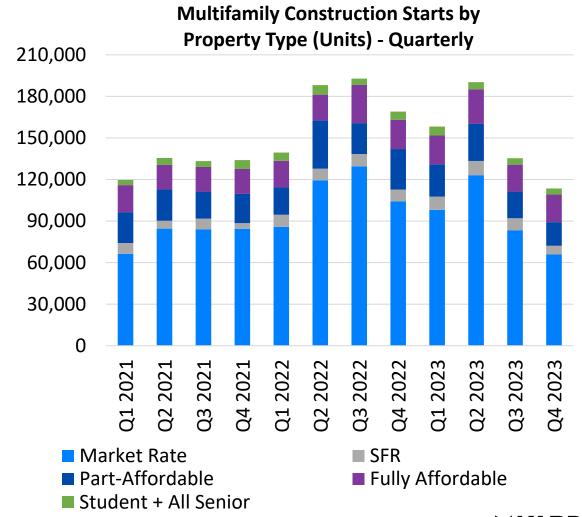
Multifamily Construction Starts (Units)





Total Starts Have Slowed Down Since 2022, But Affordable Has Slowed To A Lesser Degree Than Other Property Types







Starts Have Been Concentrated Heavily in the Sunbelt but These Markets Saw Significant Slowdowns in 2023

Top 15 Markets for # of Starts						
Market	2022	2023	2023 YOY			
Austin	29,193	15,147	-48.1%			
Denver	21,351	13,163	-38.3%			
Charlotte	18,097	13,595	-24.9%			
Houston - West	16,064	13,766	-14.3%			
Phoenix	14,415	14,157	-1.8%			
Orlando	14,363	11,999	-16.5%			
Dallas - North	13,851	16,463	18.9%			
New Jersey – N.	13,643	12,129	-11.1%			
Raleigh - Durham	11,981	12,590	5.1%			
Dallas - Suburban	11,900	6,746	-43.3%			
Nashville	11,548	10,487	-9.2%			
Seattle	11,250	6,656	-40.8%			
Atlanta – Suburb.	11,110	8,254	-25.7%			
Miami	10,583	10,483	-0.9%			
Tampa	9,850	14,247	44.6%			

Bottom 15 Markets for # of Starts					
Market	2022	2023	2023 YOY		
Rockford	64	0	-100.0%		
Greenville NC	66	0	-100.0%		
Springfield MO	151	0	-100.0%		
Hickory	168	306	82.1%		
North Dakota	179	641	258.1%		
Central Coast	200	84	-58.0%		
Lafayette	240	338	40.8%		
Rocky Mount	240	0	-100.0%		
Fort Wayne	249	554	122.5%		
South Bend	269	175	-34.9%		
New Orleans	270	51	-81.1%		
El Paso	273	901	230.0%		
Lafayette	280	634	126.4%		
Columbus GA	294	280	-4.8%		
McAllen	309	132	-57.3%		



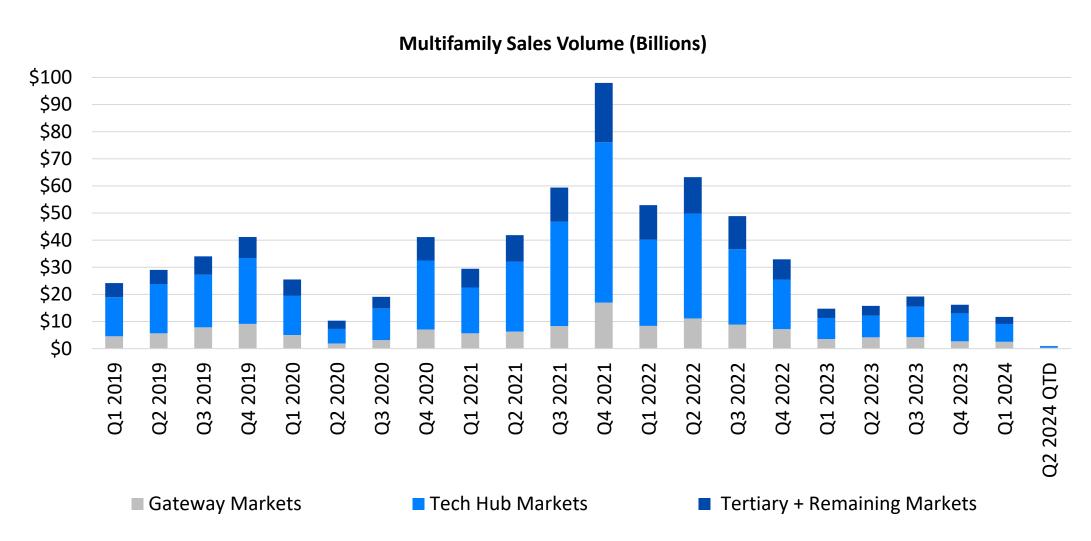
Tables sorted by # of Starts 2022. Starts include multifamily market-rate units only. Markets with 0 starts in 2022 excluded from list Source: Yardi Matrix

Multifamily Capital Markets Have Been Disrupted, Impacting Transaction Volume and Construction Financing

- Property sales and new construction are slowing due to high debt costs and weakening rent growth
- The transaction market is frozen given widening bid/ask spreads
 - Mortgage rates now above 7% and total sales volume in Q1 2024 was down over 87% from the peak in Q4 2021
- Construction costs continue to rise
 - U.S. construction costs saw an average increase of 4% in 2023, with costs expected to increase by 3-6% in 2024
 - o Cost escalations vary by metro, with Chicago falling at the low end at 3.5% and Phoenix at the high end of 6%
 - A \$10M projected built in Phoenix in 2023 will cost \$10.6M this year; the same project would cost \$10.35M in Chicago
 - While construction material costs rose by less than 1% in 2023, they are expected to increase by 2-3% in 2024.
 - 3-4% increase in labor costs is also anticipated for 2024
 - As a result, new construction deliveries may be significantly reduced starting in 2026
- The next 12-18 months will show a continued slowdown of capital markets until inflation slows and interest rates come down
- Still, high rates create a sliver of good news for multifamily
 - With home mortgage rates above 7%, first-time homebuyers are being frozen out of the market and will remain in apartments or single-family rentals longer



Transaction Activity Will Continue to Slow Over the Next 18 Months Until Inflation Cools and Interest Rates Come Down





FORECASTS: DEMAND, RENT, OCCUPANCY & SUPPLY



Yardi Matrix Multifamily Forecast Summary

Year-End	Rent	Rent Growth	Occupancy	Occupancy Growth	Inventory Forecast
2024	\$1,770	3.1%	94.6%	0.0%	553,613
2025	\$1,832	3.5%	94.8%	0.2%	468,958
2026	\$1,898	3.6%	94.8%	0.0%	385,225
2027	\$1,963	3.4%	94.8%	0.0%	396,037
2028	\$2,018	2.8%	94.7%	-0.1%	406,376
2029	\$2,062	2.2%	94.7%	0.0%	426,283
2030	\$2,129	3.2%	94.8%	0.1%	-
2031	\$2,210	3.8%	94.9%	0.1%	-
2032	\$2,262	2.4%	94.8%	-0.2%	-
2033	\$2,311	2.1%	94.8%	0.1%	-
2034	\$2,354	1.9%	94.8%	0.0%	-



Takeaways from Our May 2024 Multifamily Rent and Occupancy Forecast

- Multifamily asking rents rose for the second straight month, as the U.S. asking rent increased by \$6 to \$1,725 in April; year-over-year rent growth was unchanged at 0.7%
- Secondary markets in the Midwest, Northeast and South are still seeing strong rent growth of over 2% so far this year
 - Honolulu is the only market outside of these regions with over 2% growth (5.7% growth YTD)
- Our national rent forecast for 2024 has increased to 3.1%, but we expect a large influx of supply to dampen rent growth in many of the larger Sun Belt markets
- Many markets will struggle this year due to the influx of supply, but once those new units are absorbed, the markets will return to good shape
 - Rental growth next year will be stronger than this year, and growth in 2026 will likely be a bit stronger still, as it will take some time for the Fed's eventual rate cuts to meaningfully impact consumer demand



Tech Hub and Gateway Markets Are Forecasted For A Modest Year of Multifamily Rent Growth

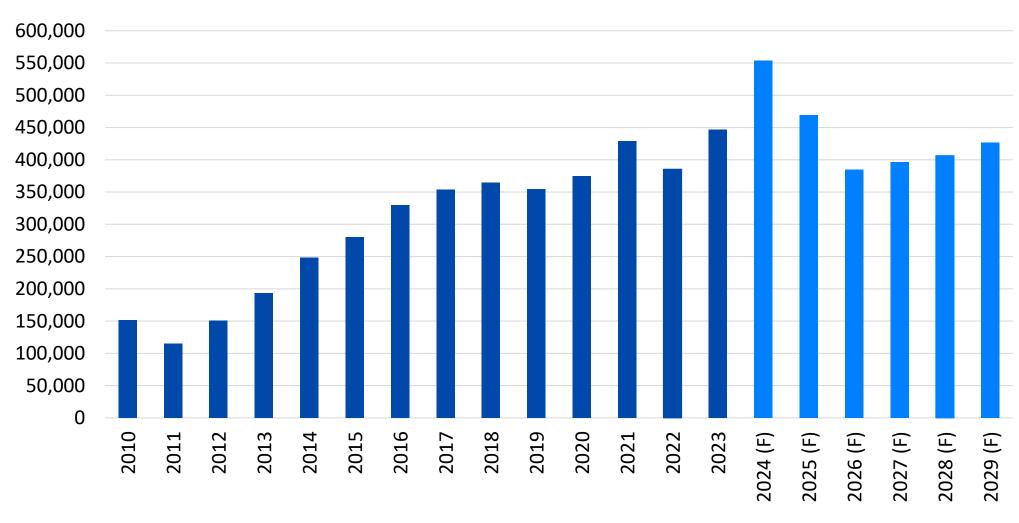
Market	YoY Rent Growth Year-End 2024	Occupancy Year-End 2024	YoY Rent Growth Year-End 2025	Occupancy Year-End 2025
Columbus	3.1%	94.9%	3.6%	95.1%
New Jersey	2.7%	97.2%	2.6%	97.3%
Kansas City	2.5%	94.5%	3.8%	94.8%
Indianapolis	2.4%	94.0%	3.1%	94.2%
Washington DC	2.2%	95.0%	2.7%	95.1%
Chicago	2.2%	95.5%	3.0%	95.7%
Philadelphia	2.1%	95.6%	3.4%	95.8%
Boston	2.0%	96.3%	2.7%	96.4%
Detroit	1.8%	94.4%	3.9%	94.6%
Twin Cities	1.6%	94.8%	2.9%	94.9%
Miami	1.5%	95.4%	1.6%	95.6%
New York	1.5%	98.2%	2.5%	98.4%
Seattle	1.2%	95.1%	2.8%	95.2%
Denver	0.8%	94.8%	2.8%	94.9%
Baltimore	0.7%	94.5%	2.6%	94.6%

Market	YoY Rent Growth Year-End 2024	Occupancy Year-End 2024	YoY Rent Growth Year-End 2025	Occupancy Year-End 2025
Houston	0.4%	92.9%	2.7%	93.1%
Las Vegas	0.4%	92.9%	3.0%	93.1%
San Diego	0.1%	96.5%	2.3%	96.6%
San Francisco	-0.1%	95.3%	2.4%	95.3%
Los Angeles	-0.6%	96.0%	1.8%	96.1%
Portland	-0.8%	94.4%	3.4%	94.6%
Charlotte	-0.9%	93.8%	3.2%	94.0%
Tampa	-0.9%	94.2%	2.5%	94.4%
Dallas	-1.0%	93.2%	3.1%	93.4%
Nashville	-1.1%	94.2%	3.3%	94.4%
Orlando	-1.2%	94.3%	3.0%	94.5%
Phoenix	-1.3%	93.3%	3.2%	93.5%
Raleigh - Durham	-1.7%	93.6%	3.2%	93.8%
Atlanta	-2.2%	92.6%	2.7%	92.8%
Austin	-4.1%	93.0%	3.6%	93.3%



New Multifamily Supply is Expected to Decline After 2024's Peak

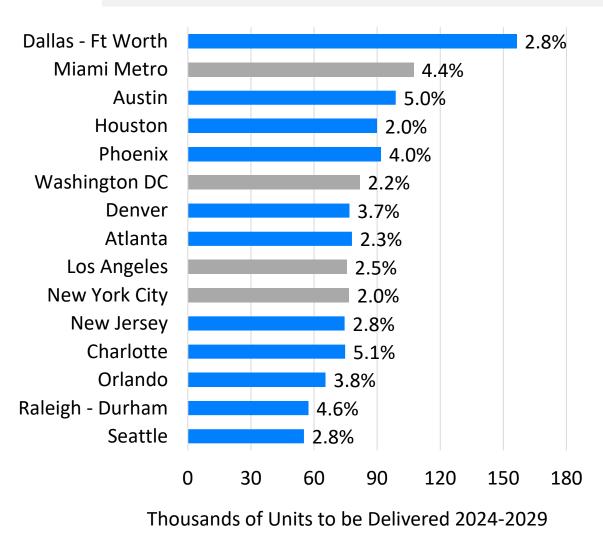


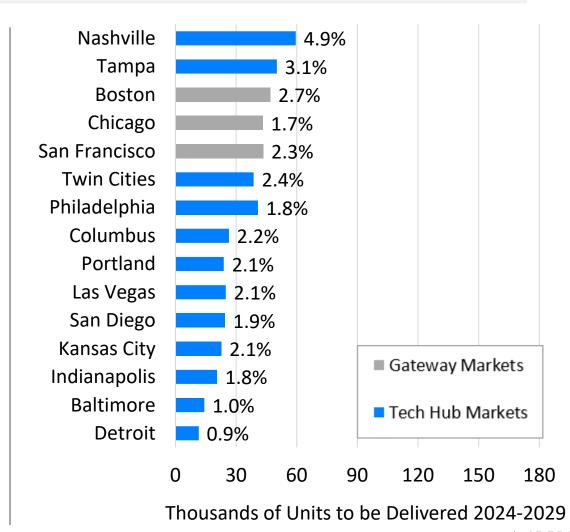




A Handful of Markets Still Have a Lot of Supply Coming Despite Decelerating Rents and Occupancies

Forecasted New Unit Deliveries 2024-2029 - Percentages Denote Compound Annual Growth Rates





GENERAL (DI)STRESS CONDITIONS



Finding Opportunities in the Current Environment

The current investment environment requires increased creativity to find potential investable opportunities, which Yardi Matrix has been designed to do:

Acquisitions since 2020 with 2-3 year durations =

Floating/Variable Rate Loans initiated after 2021 =

Construction loans initiated 2021 – 2023 =

Loans of GSE Watch Lists =

Low estimated DSCRs (<1.05) =

3,200± properties

1,700± properties

3,500± properties

200± properties

2,000± properties



There Will Be an Increase in Multifamily Distress, But it Will Be Limited to Certain Situations

AREAS FOR POTENTIAL DISTRESS:

- Projects in development where sponsor can't "feed" the development process
- Newly delivered projects in high supply markets with exhausted interest reserves
- Loans that were originated too late to benefit from the jump in rents
- Short-term loans that were originated in 2020-21 at very low rates that are now being refinanced at much higher rates
 - Loans on properties in the minority of submarkets like downtown San Francisco that have worsening demand/fundamentals
 - Variable and floating rate debt
- Localized distress due to government regulations/rent control causing expenses to rise faster than income NYC Rent Stabilized

MARKETS MOST AT RISK:

- Metros with at least \$3 billion of multifamily loans coming due by EOY 2025 include Atlanta (\$11.9 billion), Dallas (\$8.0 billion),
 Denver (\$7.2 billion), Houston (\$5.7 billion) and Chicago (\$5.5 billion)
- While performance of individual properties and the immediate submarket are more important than metro-level data when determining potential distress, general inferences can be made utilizing performance metrics such as:
 - Rent growth, vacancy rates and percentage of stock under construction against the percentage of loans maturing in each metro
- Markets with a high percentage of loans maturing over the short term and recent negative rent growth include Atlanta,
 Houston, Raleigh-Durham, Orlando and Austin



Case In Point, Optimist Lofts in Atlanta Foreclosed This Last February

PROPERTY DETAILS

• Units: 212

Improvements Rating: A-

Location Rating: B+

Completion Year: 2007

Occupancy: 86.3% (as of February 2024)

Owner: Loancore Capital – REO

SALES AND LOANS

Unpaid Principal Balance: \$46.8M

 Lc Optimist, an affiliate of Liquid Capital, purchased the property from RPM Living in April 2022 for \$57M during the post-COVID period

 To make the purchase, Liquid obtained a \$48M bridge loan from LoanCore Capital

 In a foreclosure notice issued in January, the loan was declared "due and immediately payable" due to the firm's inability to make a payment on the debt

MARKET AND SUBMARKET PERFORMANCE

Market: Atlanta – Urban

YOY Rent Growth and Absolute Rent

2021: +12.4%; \$1,585

2022: +11.7%; \$1,770

2023: -0.3%; \$1,764

YOY Occupancy and Absolute Occupancy

2021: +1.2%; 94.9%

2022: -0.6%: 94.3%

2023: -1.5%; 92.9%

Submarket: Lindbergh

YOY Rent Growth and Absolute Rent

2021: +9.1%; \$1,691

· 2022: +9.8%; \$1,857

2023: -4.8%; \$1,767

YOY Occupancy and Absolute Occupancy

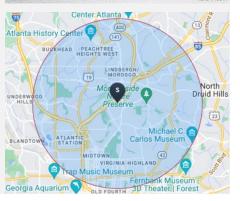
2021: +0.4%; 93.5%

2022: -0.2%; 93.3%

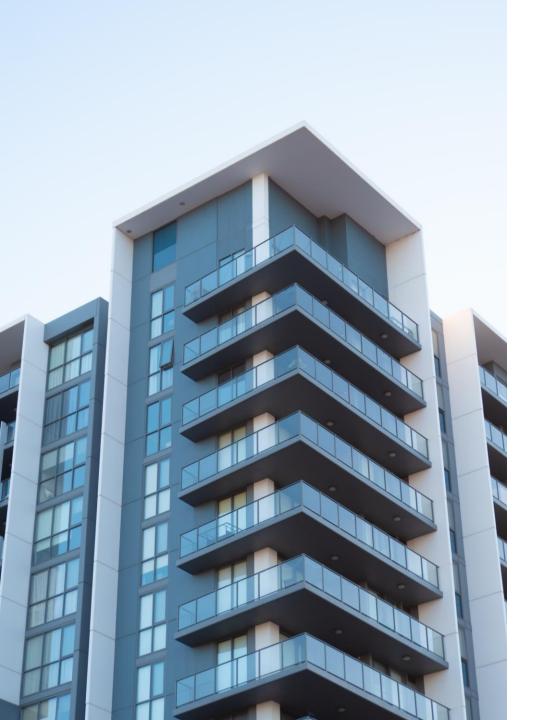
2023: -1.8%; 91.6%











A FEW LARGE MARKETS HAVE LIKELY POTENTIAL FOR SUPPLY DRIVEN DISTRESS IN '24-'25

AUSTIN

ORLANDO

CHARLOTTE

PHOENIX

DENVER

RALEIGH

JACKSONVILLE

SALT LAKE CITY

MIAMI

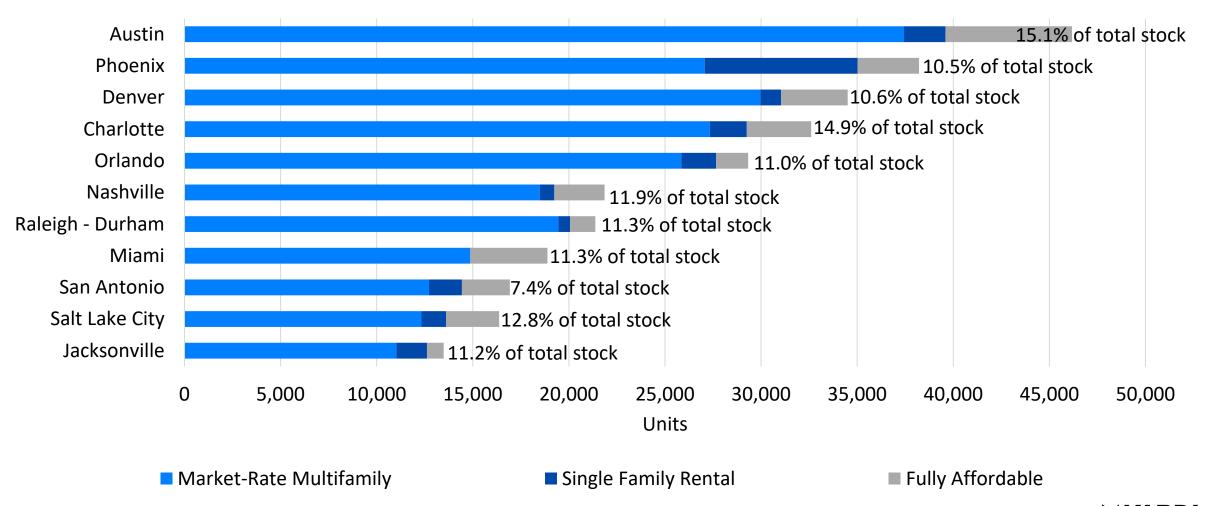
SAN ANTONIO

NASHVILLE



Single-Family Rental and Affordable Comprise A Sizeable Portion of New Stock in Many High Supply Markets

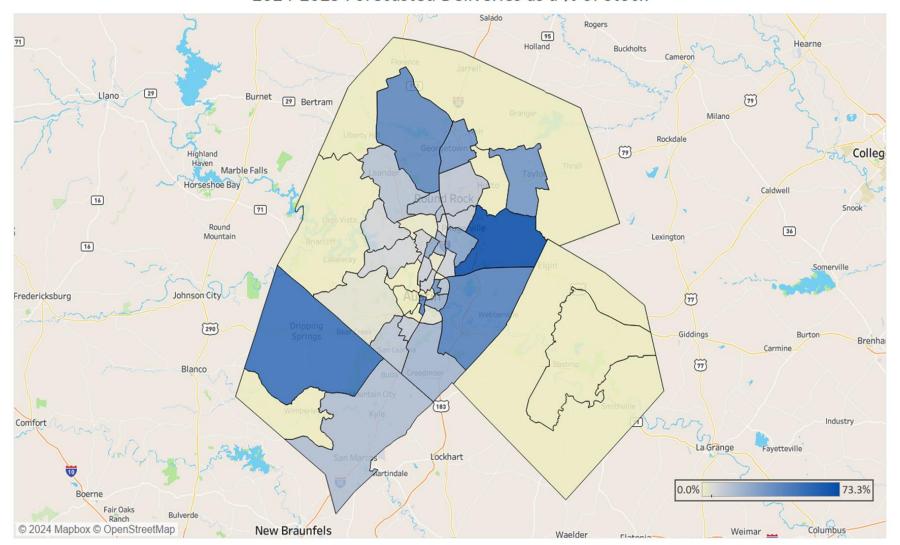
Forecasted New Unit Deliveries (2024-2025)





Several of Austin's Submarkets are Expected to See Heavy Supply by end of 2025

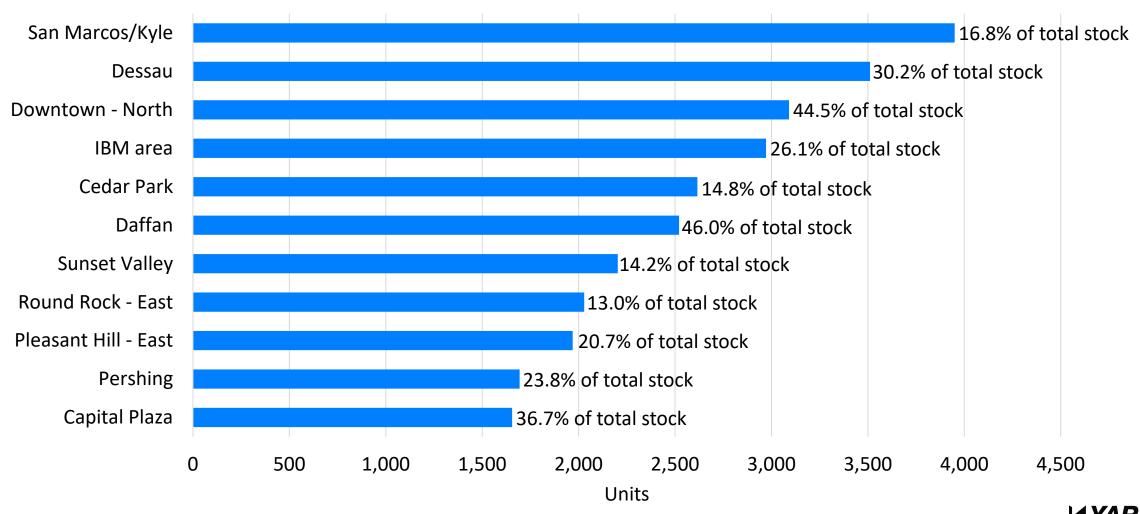
Austin
2024-2025 Forecasted Deliveries as a % of Stock





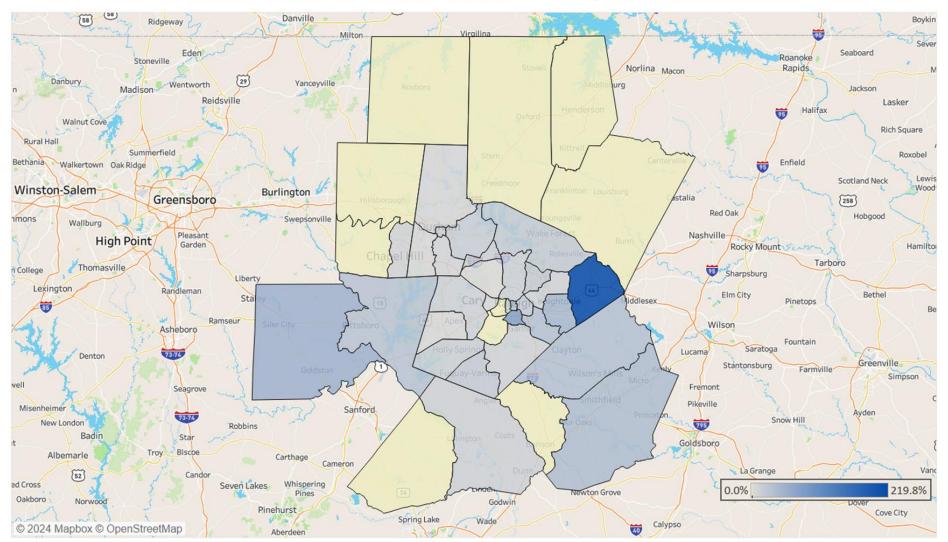
These Austin Submarkets are Forecasted to Have An Influx of New Supply in the Near-Term

Austin Forecasted New Unit Deliveries (2024-2025)



Raleigh-Durham's Northeast Submarkets Are Expected to See the Most Supply

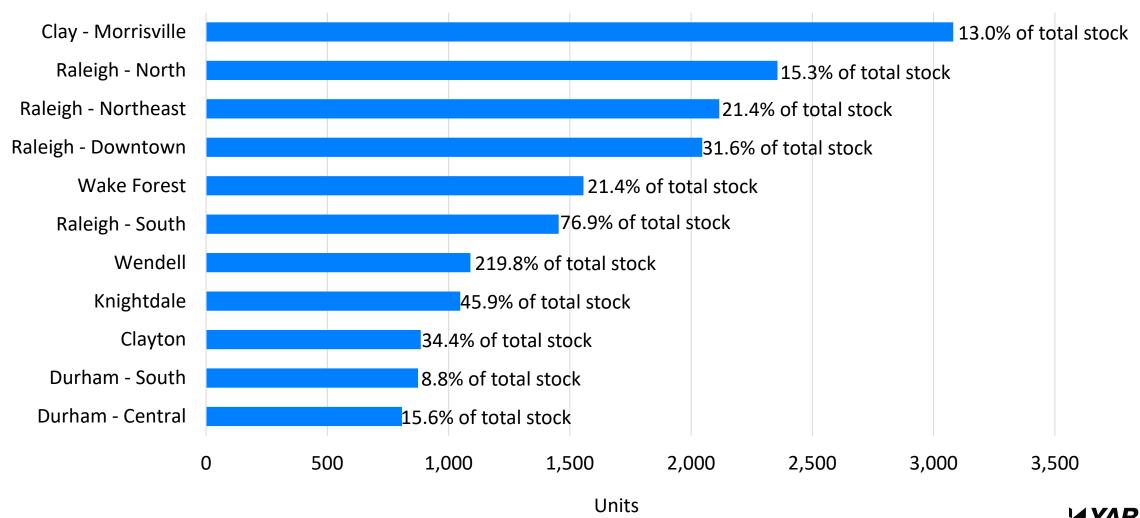
Raleigh - Durham
2024-2025 Forecasted Deliveries as a % of Stock



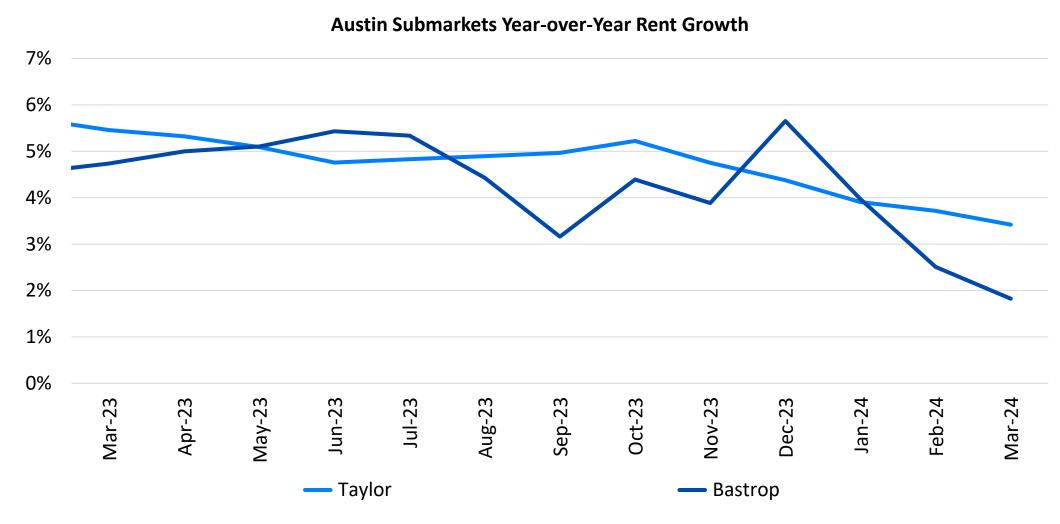


These Raleigh-Durham Submarkets Are Forecasted To Have an Influx of New Supply in the Near-Term

Raleigh - Durham Forecasted New Unit Deliveries (2024-2025)



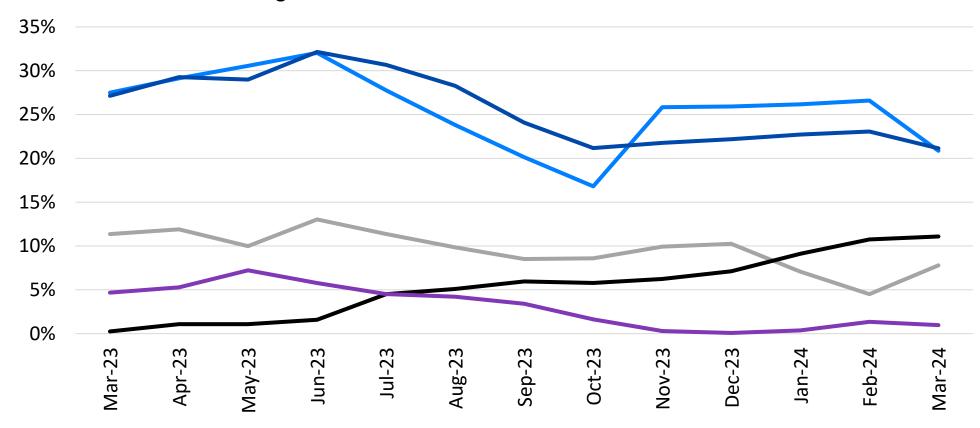
However, There Are Still Pockets of Opportunity: 2 Submarkets in Austin Have Maintained Positive Rent Growth in the Last Year





However, There are Still Pockets of Opportunity: 5 Submarkets in Raleigh Have Maintained Positive Rent Growth in the Last Year

Raleigh - Durham Submarkets Year-over-Year Rent Growth

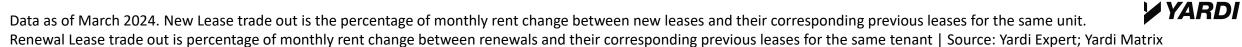


— Chatham County - West — Harnett County - West — Granville County — Raleigh - South — Raleigh - University



Performance Metrics For The High Supply Markets

Market	New Rent Growth %	New Rent \$	Renewal Rent Growth %	Renewal Rent \$	In-Place Rent Growth %	In-Place Rent \$	Occupancy Growth %	Occupancy	New Lease Trade Out %	Renewal Lease Trade Out %
Miami	1.8%	\$2,376	7.1%	\$2,194	8.5%	\$2,157	-1.1%	96.4%	5.0%	5.8%
Denver	1.7%	\$1,787	3.2%	\$1,790	3.5%	\$1,790	-0.1%	94.3%	0.8%	5.0%
Raleigh - Durham	-3.8%	\$1,414	3.3%	\$1,482	3.2%	\$1,474	-1.9%	92.8%	-3.9%	3.8%
Salt Lake City	3.2%	\$1,471	-1.5%	\$1,513	0.8%	\$1,498	1.3%	94.0%	-4.2%	3.7%
Orlando	1.3%	\$1,650	5.4%	\$1,612	4.6%	\$1,626	-0.2%	94.8%	-0.9%	3.7%
Charlotte	-1.3%	\$1,451	0.6%	\$1,464	2.3%	\$1,466	-1.0%	92.6%	-3.3%	3.5%
San Antonio	-3.5%	\$1,184	3.6%	\$1,220	2.3%	\$1,213	-2.5%	91.3%	-3.4%	3.4%
Jacksonville	-3.0%	\$1,410	2.9%	\$1,488	1.0%	\$1,457	-0.2%	93.4%	-3.7%	3.3%
Nashville	-3.4%	\$1,509	5.3%	\$1,572	1.9%	\$1,567	-1.8%	92.5%	-3.4%	3.1%
Phoenix	-3.4%	\$1,483	-0.2%	\$1,529	-0.3%	\$1,515	-0.9%	93.2%	-2.6%	2.6%
Austin	-8.6%	\$1,415	-0.9%	\$1,542	-1.1%	\$1,511	-2.8%	91.4%	-8.3%	2.4%



Loans Maturing by Year for High Supply Markets

Market	# of Loans Maturing in 2024	# of Loans Maturing in 2025	# of Loans Maturing in 2026	
Austin	70	81	79	
Charlotte	40	45	49	
Denver	89	109	98	
Jacksonville	30	32	25	
Miami	25	33	24	
Nashville	35	56	50	
Orlando	38	60	51	
Phoenix	43	70	80	
Raleigh	34	41	35	
Salt Lake City	17	19	18	
San Antonio	37	42	34	



Distress Can by Found by Monitoring Construction Loans Coming Due in the Near-Term, as Well as Floating Rate Loans Originated in '20-'21 and '22-'23

Market	# of Construction Loans Maturing in '24-'25	# of Floating Rate Loans Originated in '20-'21	# of Floating Rate Loans Originated in '22-'23	Construction Loans Initiated in '21-'22
Austin	35	122	78	162
Charlotte	22	118	90	145
Denver	69	161	110	173
Jacksonville	9	62	41	60
Miami	16	62	33	82
Nashville	24	87	80	85
Orlando	19	99	76	105
Phoenix	18	172	114	145
Raleigh	19	81	58	93
Salt Lake City	7	101	68	81
San Antonio	10	125	112	69



Yardi Matrix House View – May 2024

MACROECONOMIC UPDATE

- U.S. economic growth is strong, with 4.9% GDP growth in 3Q23, 3.4% in 4Q23 and 1.6% for 1Q24;
- The Fed has paused its interest rate hike campaign, having kept rates steady at the December April meetings
 - Interest rate cuts are anticipated now not until EOY '24
- Inflationary pressures have cooled, and will continue to, but risk of re-acceleration is non-trivial; March inflation exceeded expectations, but April jobs report at 175,000+ indicates deceleration
 - o De-globalization continues, putting mild upward pressure back on inflation
- The labor market is tight due to an aging population, with weaker demand at the top end, and more supply at the bottom
- 2023 population increase provides a temporary boost to population growth & labor supply; therefore, lessening wage pressures, but unlikely to change trajectory of slowing population growth in the long term; absent a fundamental change to the public policy consensus
- No consensus on immigration policy as 5-8 MM illegal immigrants enter the labor market
- U.S. economy is strong but slowing; the yield curve (10YR 3MTH) is inverted with expected slower growth and a mild recession likely sometime in early-mid 2025



Yardi Matrix House View – May 2024

MULTIFAMILY UPDATE

- The concepts of affordable housing are bleeding into conventional housing, as public policy attempts to deal with rising housing costs
- The multifamily market continues to perform relatively well, despite decelerating rent growth
- We continue to see a market rotation occurring:
 - Sun Belt metros are decelerating at the upper end, driven by heavy supply additions
 - Midwest, Northeast, Small Southern and some Mountain metros are outperforming
- The market rotation is occurring due to **affordability** in the wake of rapid rent increases and **slower domestic migration**
- Construction financing is in short supply, and deliveries will likely be reduced in 2026 through 2029
- The supply shortage of U.S. housing is likely to last 5-10 years, supporting continued healthy rent growth and capital appreciation
- The bid/ask spread for acquisitions remains very wide, with initial pre-distress and distress emerging
- Transactions have, and will, continue to slow until inflation is deemed under control and interest rates come down, which we think happens over the course of 2025





THANK YOU

Feel free to contact us with any questions

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