# 2018 Economic Outlook and Market Implications

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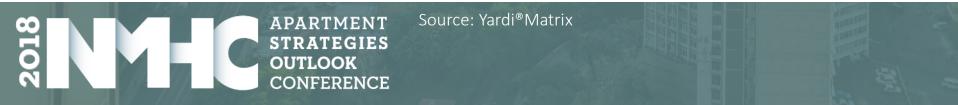


## Late in the Cycle Investment Themes: 2018-2020

- While "late in the cycle," we still have several more up years to run
  - Demand fundamentals are solid, GDP growth is accelerating, Alternative Investment returns/yields globally are low
  - High, but slowly deteriorating, occupancy on stabilized properties; Sub-mkts with new supply impacted the most
  - Top Core Markets and CBDs are the areas showing near –term weakness
  - Decelerating rent growth- ~2-3% overall nationally; but divergence among previously "overlooked" segments
- Investment Capital is Searching Further Afield for Rent Growth and Investment Yield; A Much Tougher Grind
  - <u>"Non-Top 40" Cities-</u> smaller markets with lower cost of living that can still attract knowledge industries
  - <u>"Non-CBD" Neighborhoods-</u>tilted more towards workforce/rent by necessity areas and Class B/C assets outside CBDs
  - "<u>Non-Traditional" Sub-Types-</u><50 units, older properties
- Dislocation in Commercial Real Estate Debt Markets, driven by regulatory influences, has restrained growth in new construction financing
  - Dislocations in Bank and CMBS debt markets have extended the apartment rental growth up-cycle
  - The new supply pipeline of Class A assets is cresting; the need at Class B is acute; but values have gotten ahead of fundamentals

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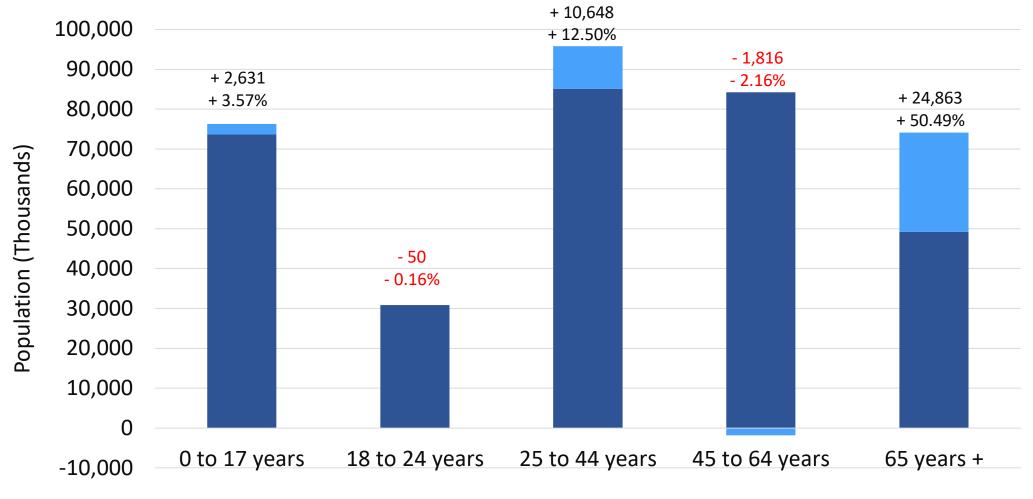
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## Age Cohorts Today vs 2030

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2018



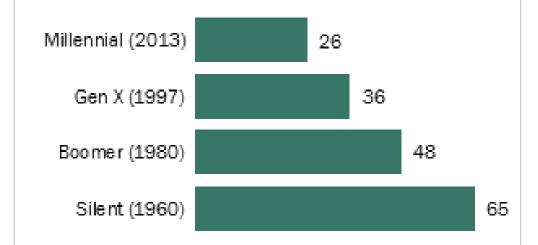
2016 2030

**APARTMENT** Source: Moody's Analytics; U.S. Census Bureau (BOC); Yardi<sup>®</sup>Matrix **STRATEGIES** 

## Millennial Tailwinds

#### The Decline in Marriage Among the Young

% married at age 18 to 32, by generation



Source: Data from 1980, 1997 and 2013 are from the March Current Population Survey, 1960 data are from the 1960 Census

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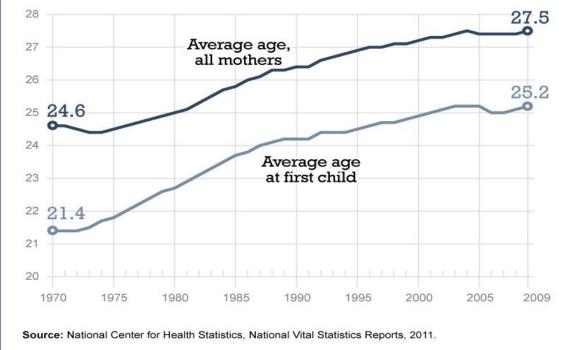
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#### FACT:

# The average age of first-time mothers has steadily increased

Since 1970, the average age of mothers giving birth to their first child has increased from 21 to 25. For all births, the average age of the mother has increased by about three years over this same period.

AVERAGE AGE OF MOTHER



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family facts.org

Source: Pew Research Center; National Center for Health Statistics; National Vital Statistics Reports, 2011



### Student Debt Increased 274% Since 1993

#### Head of the Class

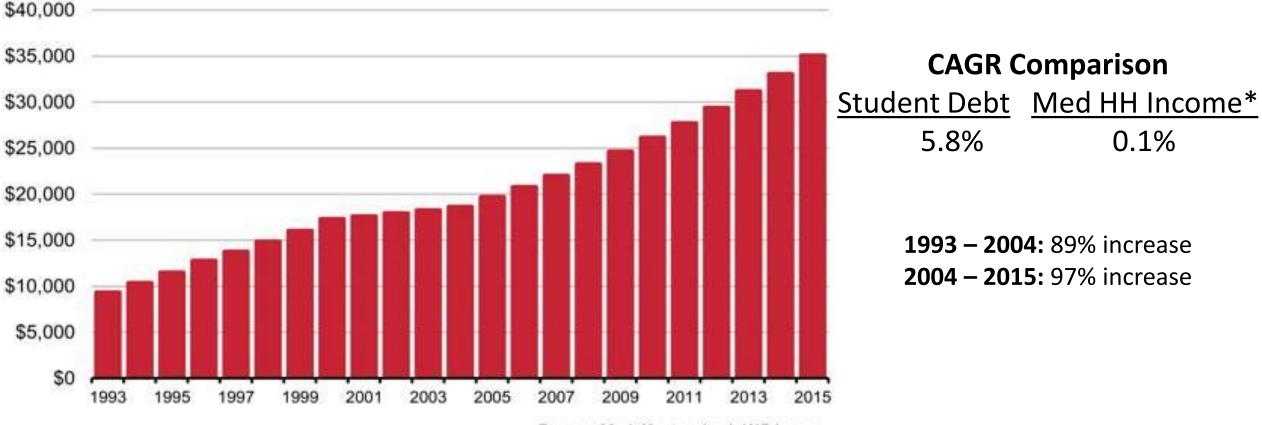
Average debt per borrower in each year's graduating class

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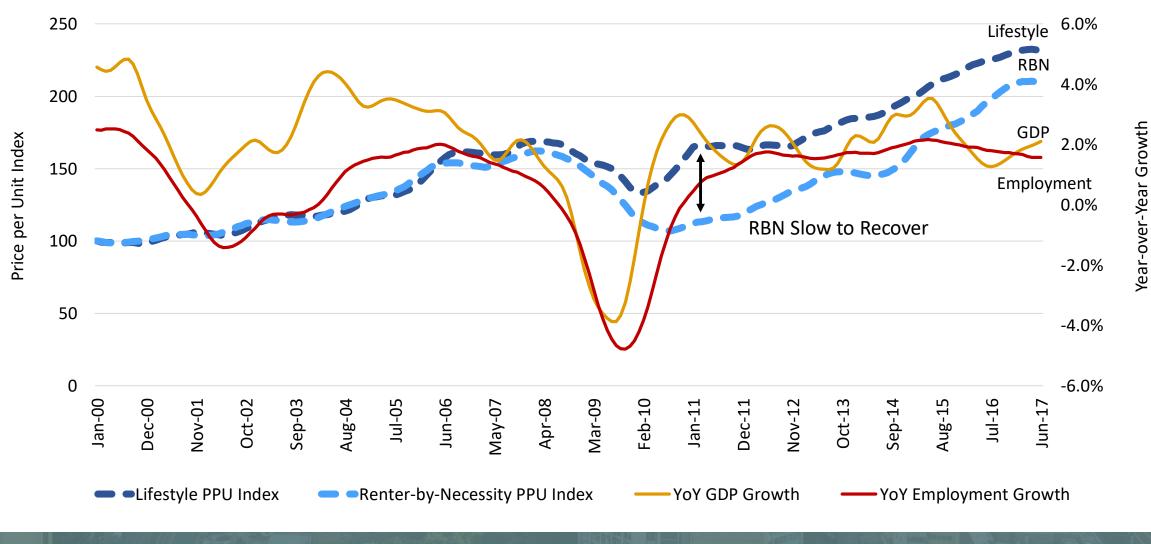


Source: Mark Kantrowitz | WSJ.com

Source: Mark Kantrowitz; WSJ.com; Yardi®Matrix

\*College Educated

#### Asset Values Exceeded GDP Growth Since 2015



\*Variables above are 6-month rolling averages
\*Multifamily sales price per unit-index 2000 = 100
Source: Moody's Analytics; Yardi®Matrix

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## Supply Levels Reduced Due to Construction Delays



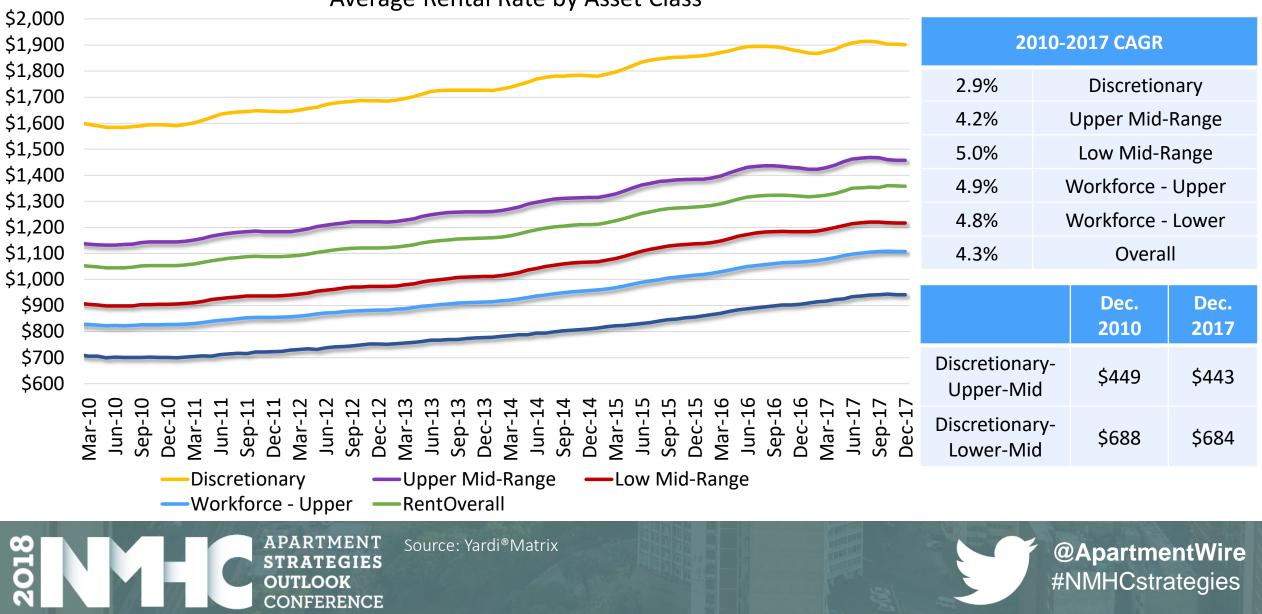
APARTMENT Source: Yardi®Matrix STRATEGIES OUTLOOK

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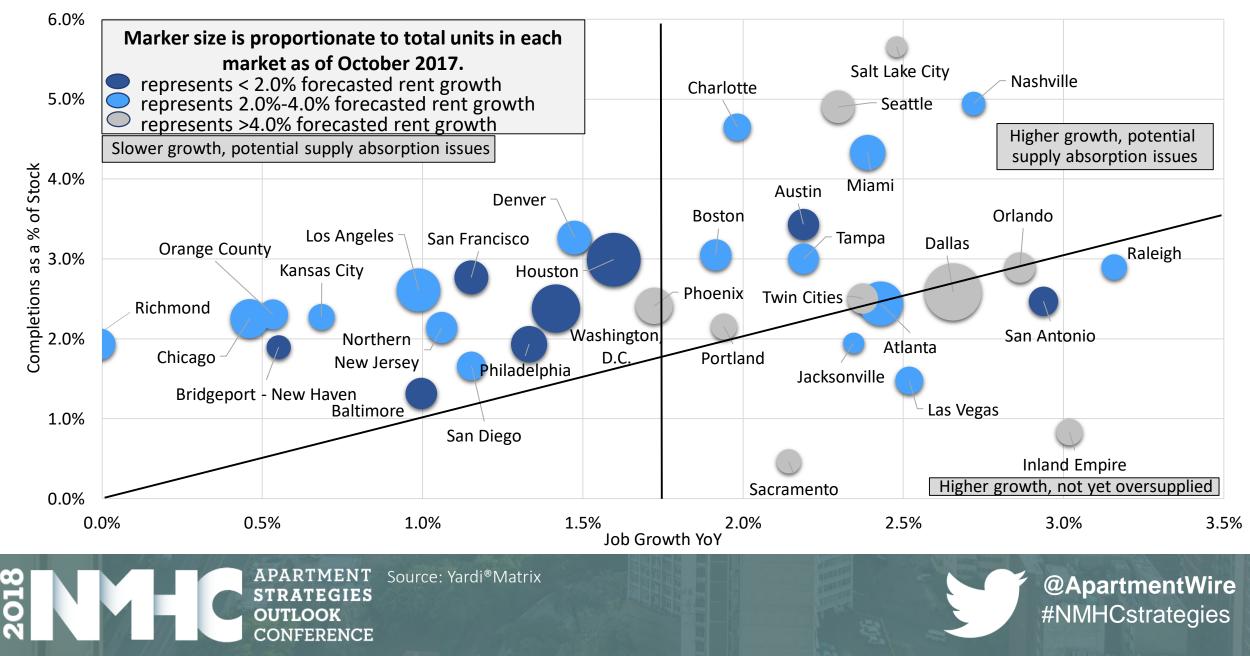
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#### Rent Spreads Are Wide

Average Rental Rate by Asset Class



#### Expect a Bumpy 18-24 months



### Rent Growth Forecasts

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#### Top 20 Forecasted Rent Growth Markets

Market	YOY 2018	2019	2020	Market	YOY 2018	2019
Reno	9.5%	8.2%	7.3%	Inland Empire	4.9%	4.6%
Sacramento	7.2%	6.5%	6.2%	Salt Lake City	4.9%	4.7%
Tacoma	6.6%	5.9%	5.4%	Las Vegas	4.8%	4.1%
Colorado Springs	6.5%	4.0%	3.8%	Suburban Dallas	4.8%	4.5%
Eastern Los Angeles County	6.0%	5.0%	5.0%	Seattle	4.8%	4.5%
Spokane	5.7%	5.2%	4.0%	North Central Florida	4.5%	4.0%
Central Valley	5.7%	5.2%	4.5%	Orlando	4.5%	4.2%
Eugene	5.0%	4.8%	4.6%	Fort Worth	4.4%	4.5%
Boise	5.0%	4.5%	3.4%	Columbus	4.3%	3.6%
Phoenix	5.0%	4.0%	3.0%	Suburban Atlanta	4.2%	3.8%

#### National

2018	2019	2020
2.5%	2.9%	2.8%

**APARTMENT** \*YOY 2018 data is Dec 2017-Dec 2018. Data ranked by 2018 values. **STRATEGIES** Source: Yardi<sup>®</sup>Matrix **OUTLOOK** 

### Rent Growth Forecasts

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#### Bottom 20 Forecasted Rent Growth Markets

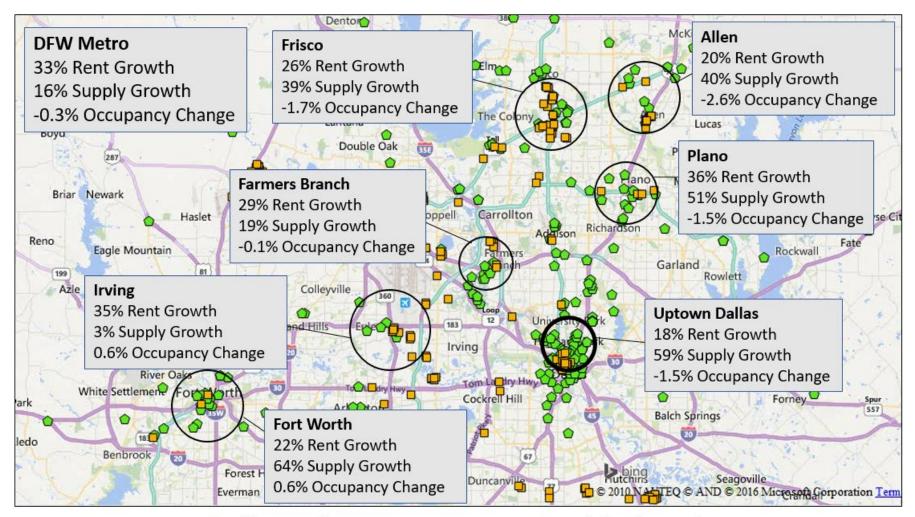
Market	YOY 2018	2019	2020	Market	YOY 2018	2019	2020
West Houston	1.7%	1.9%	2.1%	Columbus GA	1.1%	1.2%	1.3%
Austin	1.6%	2.1%	2.9%	Northern Virginia	1.1%	1.0%	1.6%
Wichita	1.6%	1.7%	1.7%	Central East Texas	1.0%	1.2%	1.5%
Washington DC - Suburban Maryland	1.5%	1.6%	1.5%	Baton Rouge	0.9%	1.5%	1.9%
Omaha	1.5%	1.5%	1.5%	Oklahoma City	0.8%	1.3%	1.1%
Portland	1.5%	2.0%	2.3%	McAllen	0.8%	1.0%	1.2%
Baltimore	1.5%	1.3%	1.4%	Corpus Christi	0.8%	0.5%	0.4%
New Orleans	1.4%	1.8%	2.0%	El Paso	0.7%	0.6%	0.5%
Mobile	1.2%	1.6%	2.0%	Amarillo	0.4%	0.6%	0.4%
Tulsa	1.2%	1.3%	1.4%	Manhattan	-1.0%	0.8%	1.1%

#### National

2018	2019	2020
2.5%	2.9%	2.8%

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### Intellectual Capital Nodes – Dallas-Fort Worth



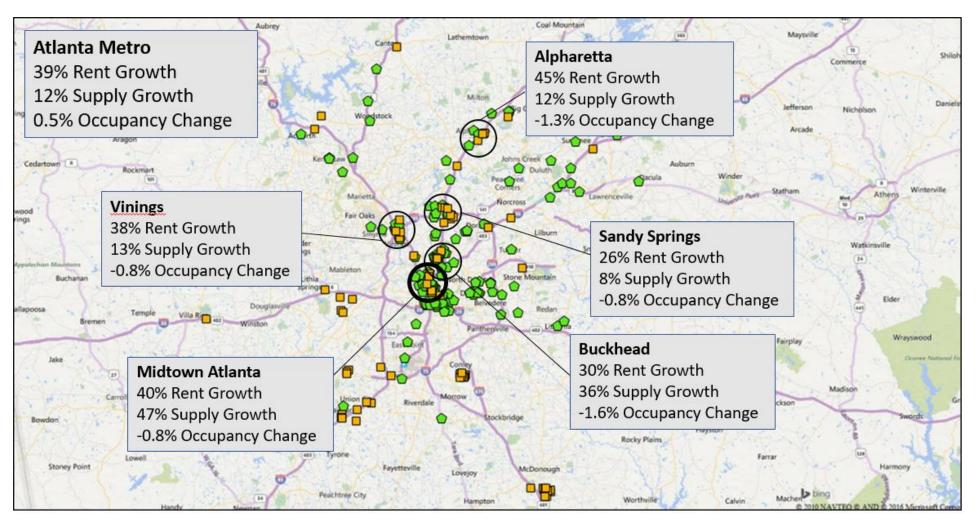
Office Development

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Multifamily Development

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 \*Multifamily rent growth based on Dec 2012 through Dec 2017
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 \*Change in multifamily occupancy based on Nov 2016 through Nov 2017
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 Source: Yardi<sup>®</sup> Matrix
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### Intellectual Capital Nodes – Atlanta



#### Office Development

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Multifamily Development

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 \*Multifamily rent growth based on Dec 2012 through Dec 2017
 STRATEGIES
 \*Change in multifamily occupancy based on Nov 2016 through Nov 2017
 OUTLOOK
 Source: Yardi<sup>®</sup> Matrix

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### Contact Information

Thank you! We are happy to answer any questions. Please contact:

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Thank you to NMHC 2018 for inviting us to participate in the Apartment Strategies Outlook Conference today.

