## US HOUSING DEMOGRAPHICS

## GET READY FOR THE DEMOGRAPHIC "NEW NORMAL" IN HOUSING

MARCH 2, 2016


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## PLEASE SUBMIT QUESTIONS* TO

## QA@HEDGEYE.COM

## THE DEMOGRAPHIC "NEW NORMAL"

1. An Aging America - Intro
2. Long-Term Housing Projections
3. Near-Term Age-Bracket Projections
4. Seven Drivers Reshaping the Industry
5. Summary \& (Personal) Trend Forecasts

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## BIRTHS DOWN t, DEATHS UP

Annual Contributions to Population Growth: Historical \& Projected to 2049


## TOTAL GROWTH RATE t, IMMIGRATION CRITICAL

Annual Contributions to Population Growth: Historical \& Projected to 2049

$x \star t \star t \star$ $\star+x+x+x$ $\star \star \star \star \star t$ $\star \star \star \star \star \star$ $\star+\star+x+$

2. LONG-TERM HOUSING PROJECTIONS

## EXPECTED "RETURN TO NORMALCY" BACK IN 2013



## NEW CENSUS ESTIMATES $\rightarrow$ FEWER NEW ADULTS...

Average Annual Growth in Population of U.S. Adults, History and Projections: 1990 to 2050


## ... WHICH MEANS FEWER NEW HOMES

Average Annual Growth in Demand for Housing Units, Assuming Constant Persons-Per-Unit: 1990 to 2050


## AND IF WE ADJUST FOR THE SHIFTING AGE MIX...

Average Persons per Housing Unit in 2012,
by Age Bracket


## ... THE RESULT IS PRETTY MUCH THE SAME

Average Annual Growth in Demand for Housing Units, Assuming Age-Adjusted Persons-Per-Unit: 1990 to 2050


## WHY EVERYTHING DEPENDS ON NET IMMIGRATION...



## AND WHY IT MAY BE SMALLER THAN CENSUS ESTIMATES



Source: CMS 2016 analysis of ACS data (see text); Warren and Warren 2013

Figure 2. Annual Change in the Total Undocumented Population: 2003 to 2014

$2003200420052006 \quad 20072008200920102011201220132014$ Year
Source: CMS 2016 analysis of ACS data; Warren and Warren 2013.

According to reports from Pew Research Center (2014) and Center for Migration Studies (2016), recent official "inter-censal" estimates for net immigration may be way too high.

Unauthorized Immigrants in the U.S. Labor Force, 1995-2012
In millions


Note: Shading surrounding line indicates high and low points of the estimated 90\% confidence interval. Data labels are for 1995, 2000, 2005, 2007, 2009, 2011 and 2012 The 2009-2012 change is not statistically significant at $90 \%$ confidence interval. Source: Table A2, derived from Pew Research Center estimates for 2005-2012 based on augmented American Community Survey data from Integrated Public Use Microdata Series PEW RESEARCH CENTER

## OTHER DRIVERS THAT MAY SUPPRESS DEMAND

- No new national infrastructure rebuilding on the horizon.
- Secular increase in housing stock longevity due to better construction methods. Result: Gradual decline in "net removal" rate (see chart).
- Possible long-term decline in home vacancy rates due to the sharing economy. Airbnb now offers over 1 million rooms or units nationwide.
- Possible long-term rise in average adults per unit. Average reached post-war low in 2001 and 2003 and is now rising again (see chart).


## RISING AGE OF HOUSING STOCK



## HOMES ARE AGAIN GROWING MORE CROWDED

## Adults per Occupied Housing Unit,



## FASTFORWARD <br> 

3. NEAR TERM AGE-BRACKET PROJECTIONS

## AMERICAS POPULATION PYRAMID, TODAY

## Population by Sex and Age: 2016



## 15 YEARS FROM NOW

## Population Projections by Sex and Age: Change from 2016 to 2031



## BOOM FOR STARTERS AND SENIORS, BUST FOR MIDLIFE



## SEVEN DRIVERS RESHAPING THE INDUSTRY

1) All age groups are fueling a renaissance in extended family living
2) Boomers thus far show a preference for aging in place
3) A "golden age of home improvement" booms on
4) Boomers are piling up more mortgage debt, Millennials less
5) Gen $X$ small in number, and small in home spending power
6) Yes, Millennials are fueling the boom in core urban areas
7) Millennials \& Xers are driving the switch from buying to renting

## RENAISSANCE IN EXTENDED FAMILY LIVING

Percent of adults ages 25 to 34
living in a multigenerational household


## RENAISSANCE IN EXTENDED FAMILY LIVING

Not Leaving the Nest: Women Living With Family Returns to 1940 Level
Share of 18 - to 34-year-olds living with parents or relatives


[^0]Source: Pew Research Center (2016)

## RENAISSANCE IN EXTENDED FAMILY LIVING

Share of 25- to 29-Year-Olds
Living with Friends or Extended Family (2000 vs. 2014)


## RENAISSANCE IN EXTENDED FAMILY LIVING

After rising for nearly a century, share of older women living alone is on decline
\% of adults ages 65 and older living alone


Note: Data labels are for 1900, 1990 and 2014. Older adults living alone reside in a household. The share living alone is based on the total population ages 65 and older.

Source: Pew Research Center analysis of 1900-2000 decennial
censuses and 2010 and 2014 American Community Surveys (IPUMS)

Older women more likely to live with spouse or children than in 1990; older men less likely to live with a spouse, but more likely to live with children
\% among women ages 65 and older

\% among men ages 65 and older those who are separated, divorced, widowed, have never been married or married, but the spouse is absent from the household. Older adults living alone reside in a household. The share living alone is based on the total population ages 65 and older.

## BOOMERS "AGING IN PLACE"

Exhibit 1. The Nuclear Family Household Has Become Much Less Common Among Boomers


Exhibit 2. So Far, Boomers Are Staying in Single-Family Detached Homes


BOOMERS' FAMILIES ARE GETTING SMALLER...

## BUT THE SHARE LIVING IN SINGLE-FAMILY DETACHED HOMES IS UNCHANGED

## BOOMERS "AGING IN PLACE"

- Close to nine in 10 older Americans intend to continue living in their current homes for the next five to 10 years

Do you intend to continue living in your current home for the next five to 10 years?

IF YES: Do you plan to make any modifications to your home to help you age in place? $(N=903)$



## BOOMERS "AGING IN PLACE"

## Ups and Downs in Home Size

While most Baby Boomers plan to stay where they are, a significant portion (37\%) do have plans to move from their current home. The common wisdom is that Boomers will invariably downsize when they move, but, in actuality, many (46\%) are looking for nicer homes and more space, not less. A significant number even plans to increase spending on housing.

Size \& Cost of Next Home
upsize downsize
Cost of Next Home


## GOLDEN AGE OF HOME REMODELING

The Rebound in Homeowner Improvement Spending Has Lifted the Remodeling Market Back Near \$300 Billion
Billions of Dollars


Source: Joint Center for Housing

- Owner ImprovementsRental ImprovementsOwner MaintenanceRental Maintenance


## COLDEN AGE OF HOME REMODELING

## The Baby Boomers Continue to Dominate Spending, While Millennials Still Account <br> for Only a Small Share of the Market <br> Share of Improvement Spending by Generation (Percent)



Homeowner Spending in $2013 \boldsymbol{=} \mathbf{\$ 1 9 2}$ Billion

## GOLDEN AGE OF HOME REMODELING

## Owners in Coastal Metro Areas Generally Spend More on Improvements

## Average Per-Owner Spending in 2013

- Less than $\$ 2,500$ (Down to $\$ 1,700$ )
- $\$ 2,500-2,999$\$3,000-3,499
$\$ 3,500$ or More (Up to $\$ 5,000$ )



## GOLDEN AGE OF HOME REMODELING

## THE WALL STREET JOURNAL. <br> WSJ.com

LIFE \& CULTURE | Updated March 19, 2013, 10:01 p.m. ET
The Ultimate Play Room ... at Grandma's House
By ALINA DIZIK


Alina Dizik and interior designer Marlene Oliphant take a look at the fancy bedrooms and play spaces some couples are creating for their grandchildren. Photo: Pottery Barn Kids.

## GOLDEN AGE OF HOME REMODELING

North America / Home Improvement Chains VWAP Index, January 2006 = 100 (Monthly)


## BOOMERS WITH MORE MORTGAGE DEBT, MILLENNIALS LESS

## The Graying of American Debt

Age distribution of aggregate U.S. consumer debt, 2003 v. 2015


## BOOMERS WITH MORE MORTGAGE DEBT, MILLENNIALS LESS

## Population Aging or Changing Behavior?

Percentage change in aggregate debt by age, 2003 to 2015


## BOOMERS WITH MORE MORTGAGE DEBT, MILLENNIALS LESS

## Loan Types Over the Lifecycle: Home-secured debt

 Mortgage + home equity debt balance per U.S. resident$$
-2003--2015
$$



## BOOMERS WITH MORE MORTGAGE DEBT, MILLENNIALS LESS

## 2003-2015 change in real per capita debt by type

| Debt type | Age 30 \$ | Age 30\% | Age 65 \$ | Age 65 \% |
| ---: | :---: | :---: | :---: | :---: |
| Home-secured | $-\$ 8,195$ | $-28 \%$ | $+\$ 11,191$ | $+47 \%$ |
| Credit card | $-\$ 1,121$ | $-36 \%$ | $-\$ 11$ | $0 \%$ |
| Auto loan | $-\$ 292$ | $-6 \%$ | $+\$ 1,102$ | $+29 \%$ |
| Student loan | $+\$ 6,912$ | $+174 \%$ | $+\$ 857$ | $+886 \%$ |

## GEN X IN TROUBLE

Figure 9: Change in Real Median Household Net Worth, by Age: 2007 to 2010


## GEN X IN TROUBLE

Figure 5: Real Median Family Net Worth, by Age: 1983 to 2013**


## GEN X IN TROUBLE

Figure 7: Average Net Worth and Composition of Assets and Liabilities of the Middle 60 Percent of the Wealth Distribution by Select 10-Year Age Groupings: 1989 and 2013*


## MILLENNIALS FUELING BOOM IN CORE URBAN AREAS

FIGURE 1: OVER- AND UNDER-REPRESENTATION OF AGE GROUPS IN MAGNET CITIES


Age groups above the dotted red line are over-represented and below the dotted red line are underrepresented in the city's population

## MILLLENNIALS FUELING BOOM IN CORE URBAN AREAS

FIGURE 2: CHANGING DEMOGRAPHIC TRAJECTORIES IN FOUR CITIES


Source: Center for Community Progress (2014)

Age groups above the dotted red line are over-represented and below the dotted red line are underrepresented in the city's population

## MILLENNIALS FUELING BOOM IN CORE URBAN AREAS



## MILLLENNIALS FUELING BOOM IN CORE URBAN AREAS

## Annual Net Migration Rates by Age Group as Percent of Population Greater Boston 2007-2012



Source: The Boston
Note: Net migrant share of population is calculated by dividing the number of net migrants in a specific age group in year $t$ by the population of the age group in year $t-1$.

## MILLENNIALS \& XERS, FROM BUYING TO RENTING

Renting Has Increased Sharply Across Most Age Groups...
Change in Share of Households Renting 2004-2013:2 (Percentage points)


[^1]...Generating a Surge in Renter Household Growth Average Annual Growth in Renter Households (Millions)


## MILLENNIALS \& XERS, FROM BUYING TO RENTING

Median Equifax Credit Score by Age, 2003-2015 Data for six decennial* birth cohorts
-1985 - $1980-1970-1960-1950-1940$


## MILLENNIALS \& XERS, FROM BUYING TO RENTING

Share of Households in Multifamily Units


Sources: Census Bureau, Ruggles, and author's calculations.

## LONG-TERM OUTLOOK

- Basic long-term message: Re-gear your quantitative forecasts.
> The consensus medium/long projections for housing construction are TOO HIGH. Actual demand for new housing units/year in 20152020 is more likely to be nearer to 1.0 million than to 1.5 million.
> As time passes (2015, 2020, 2025...), the gap between consensus \& actual demand widens.
- These changes are driven mainly by demographic fundamentals.


## OVERALL TRENDS OUTLOOK

- Further reflections on long-term qualitative shifts
> Rental over ownership
> P-to-P rental over "ordinary" rental
> Multi-unit over single-home preference
> Small units over large
> Inner suburbs/urban over exurbs/rural
- These changes are driven mainly by generational preferences and social trends.


## MORE ON OWNER-OCCUPIED TO RENTAL

- The rise of rental units at the expense of owner-occupied units represents $\underline{a}$ long-term shift that will not end with full economic recovery.
- Macroeconomic drivers:
> Risk-aversion by lenders \& "macro-prudential" regulatory environment
> Less job security \& fewer assets among young adults and new retirees
$>$ Growing generic youth preference for "rentals" \& aversion to real estate as a risky investment


## MORE ON EXURBIA AND RURAL

- Get ready for accelerating golden age of home remodeling, with epicenter in McMansioned exurbia.
- Prepare for ongoing decline in HH unit demand in rural America. Yet demand for rural hospitality and entertainment will stay robust, especially at the high end.
- Main driver: Boomers aging in place close to jobs and families - with fewer moving to rural retirement.


## MORE ON URBAN AND INNER SUBURBAN

- Collective preference of Millennials will continue driving:
$>$ Multi-unit over single-home construction.
$>$ Small units (micro-apartments) over large.
$>5$ to 15 year regional growth trend in descending order:
- Inner Suburb
- Core Urban
- Outer Suburb
- Rural
- Fastest price hikes and most unit-downsizings in regulated, big-brand coastal hubs.

FOR MORE INFORMATION, CONTACT US AT:

## SALES@HEDGEYE.COM (203) 562-6500


[^0]:    Note: Living with family means residing in a household headed by a parent, aunt/uncle, or other relative (but not a spouse).
    Source: Pew Research Center tabulations of U.S. decennial census data, 1940-2000 and 2010 and 2014 American Community Survey (IPUMS)

[^1]:    Source: JCHS tabulations of US Census Bureau, Housing Vacancy Surveys.

