



American Association of Private Lenders

The Washington Region: Overview of Economic, Housing Sales & Demographic Trends

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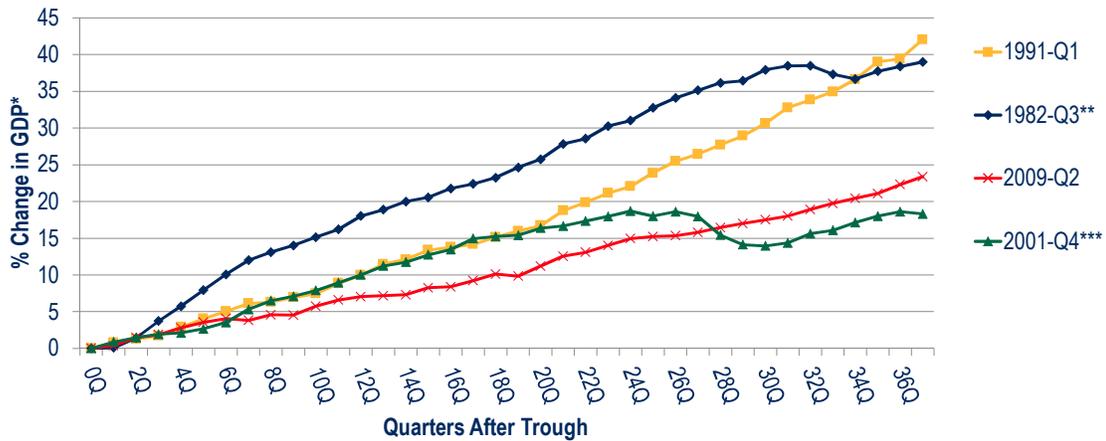


February 22, 2019

National Economic Trends Impacting the Housing Market



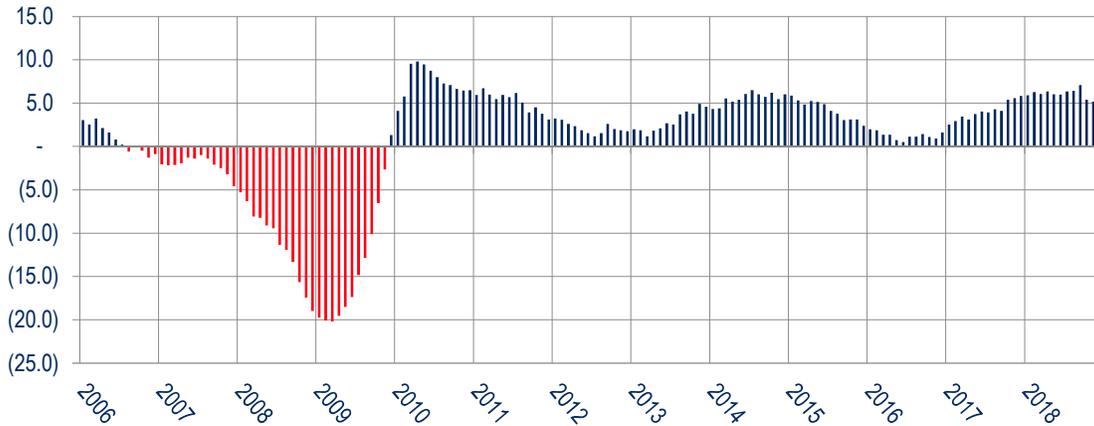
Recession Recovery Patterns of GDP Past Four Recessions



*in 1992 or 2009 Chained Dollars; ** Quarters 32+ include the 1991 Recession; *** Quarters 25+ include the 2009 Recession
Sources: Bureau of Economic Analysis, The Stephen S. Fuller Institute at the Schar School, GMU



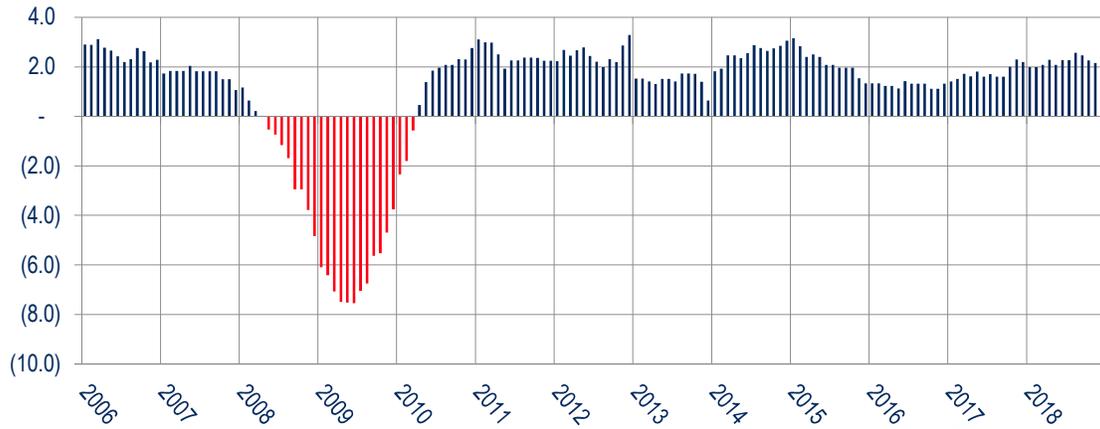
U.S. Leading Index Month-Over-Year Percent Change



Sources: The Conference Board, The Stephen S. Fuller Institute at the Schar School, GMU



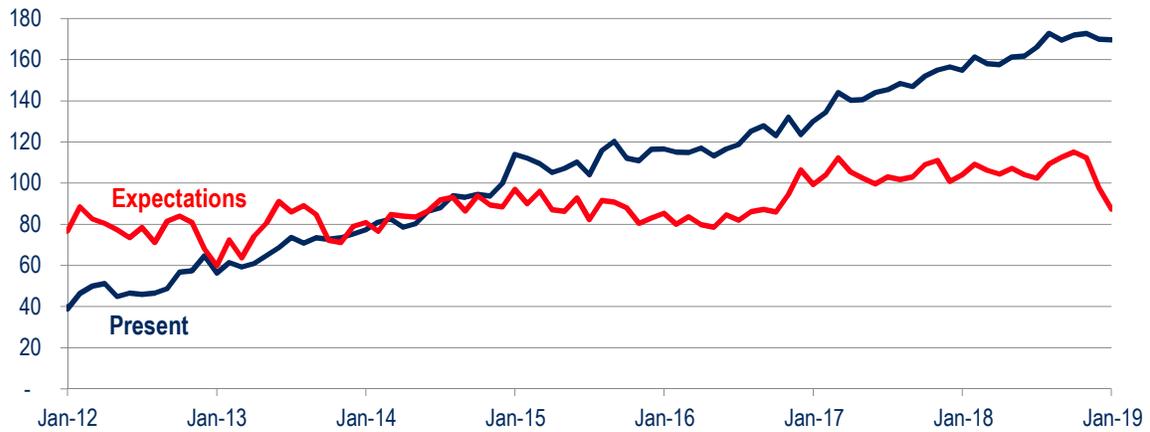
U.S. Coincident Index Month-Over-Year Percent Change



Sources: The Conference Board, The Stephen S. Fuller Institute at the Schar School, GMU

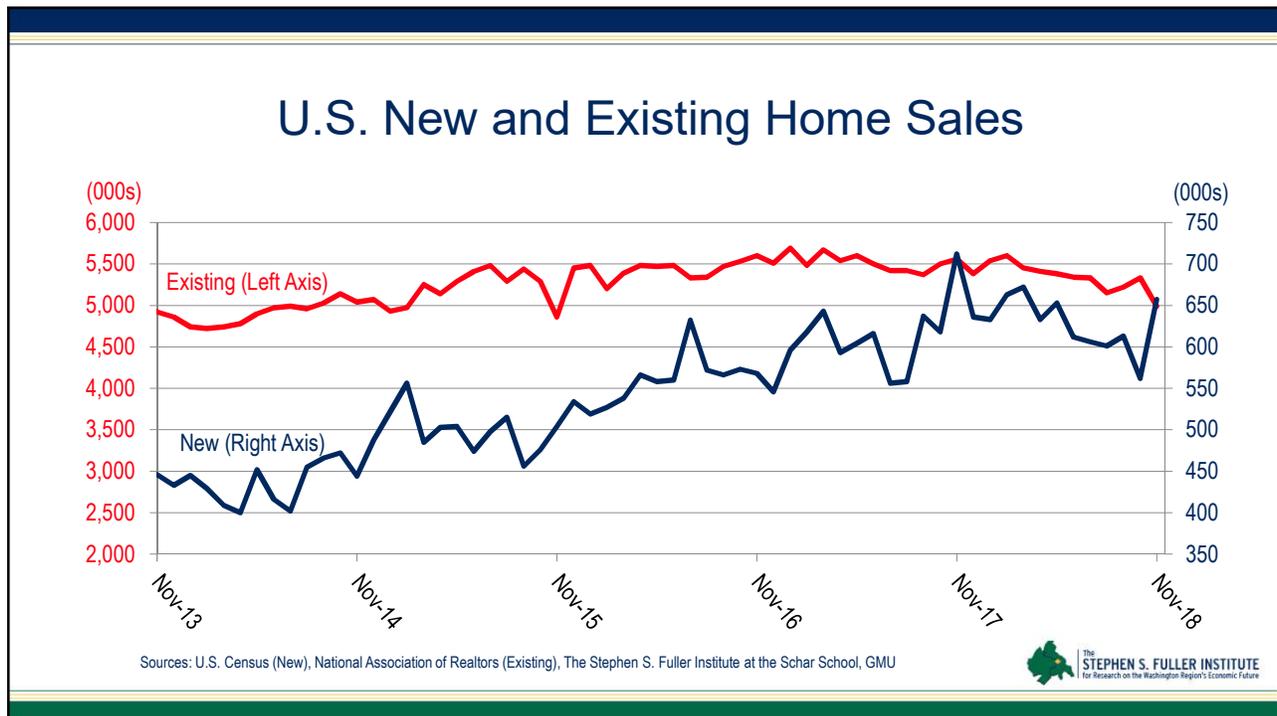
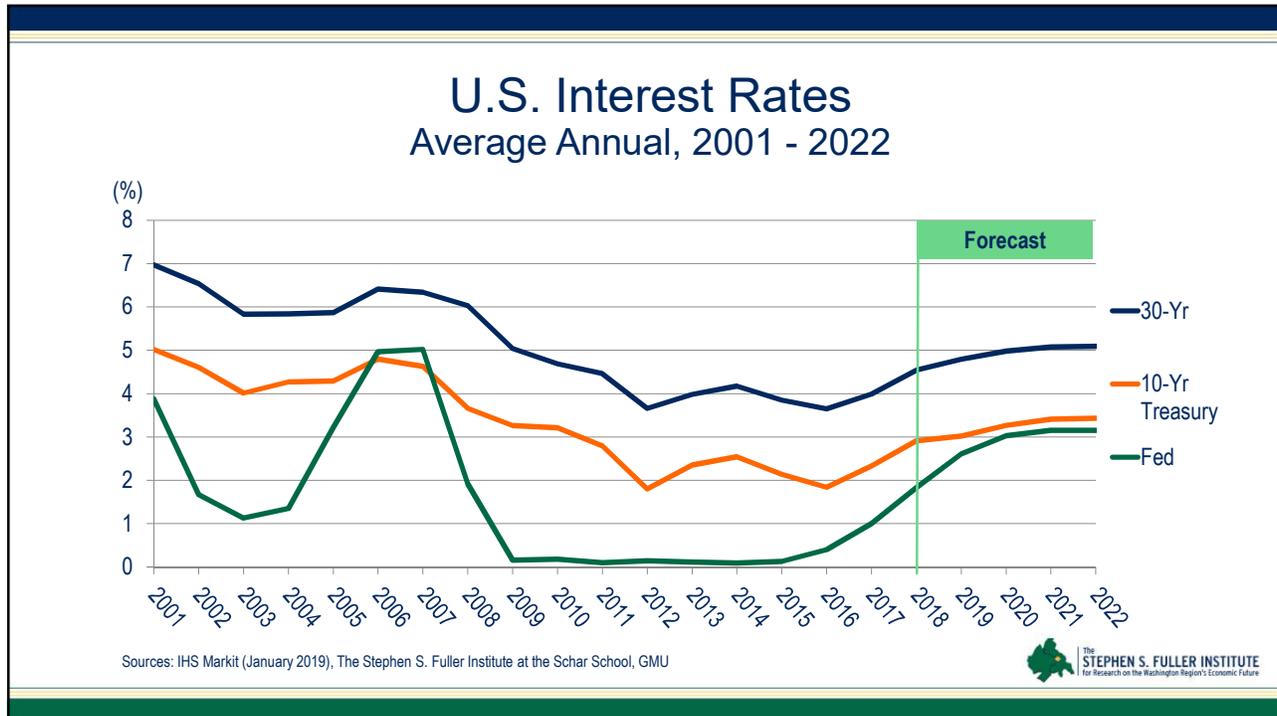


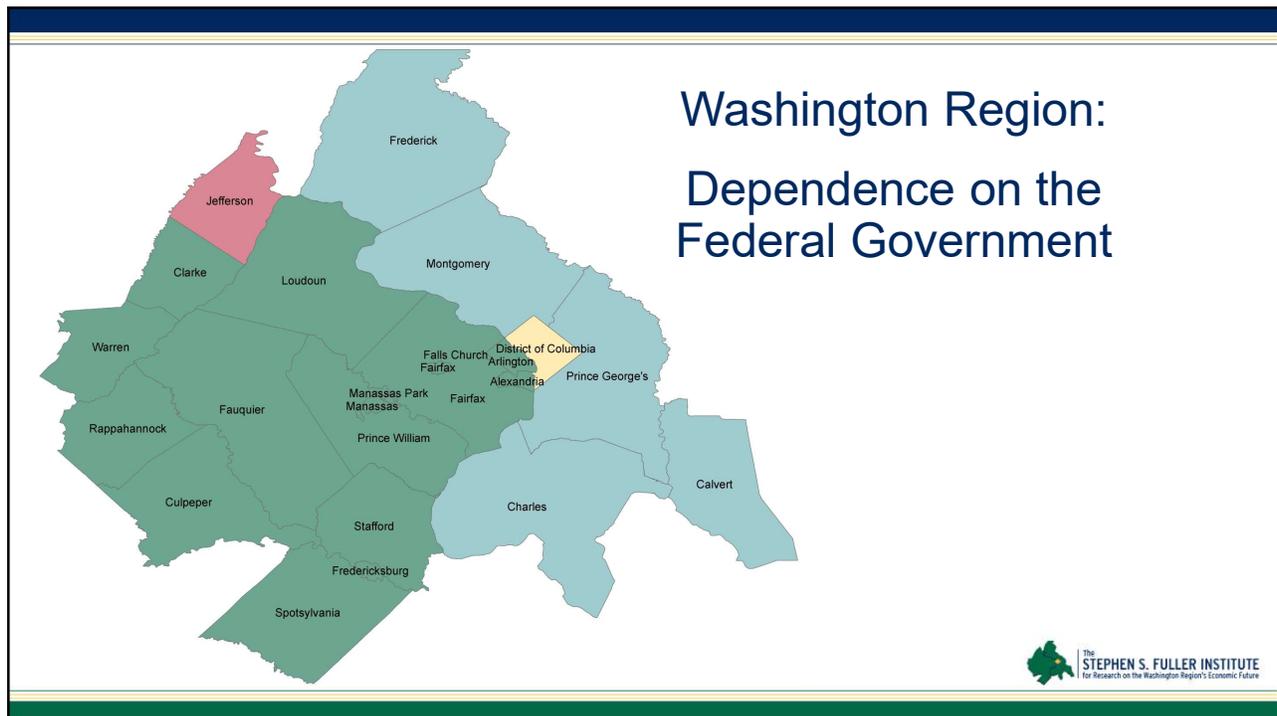
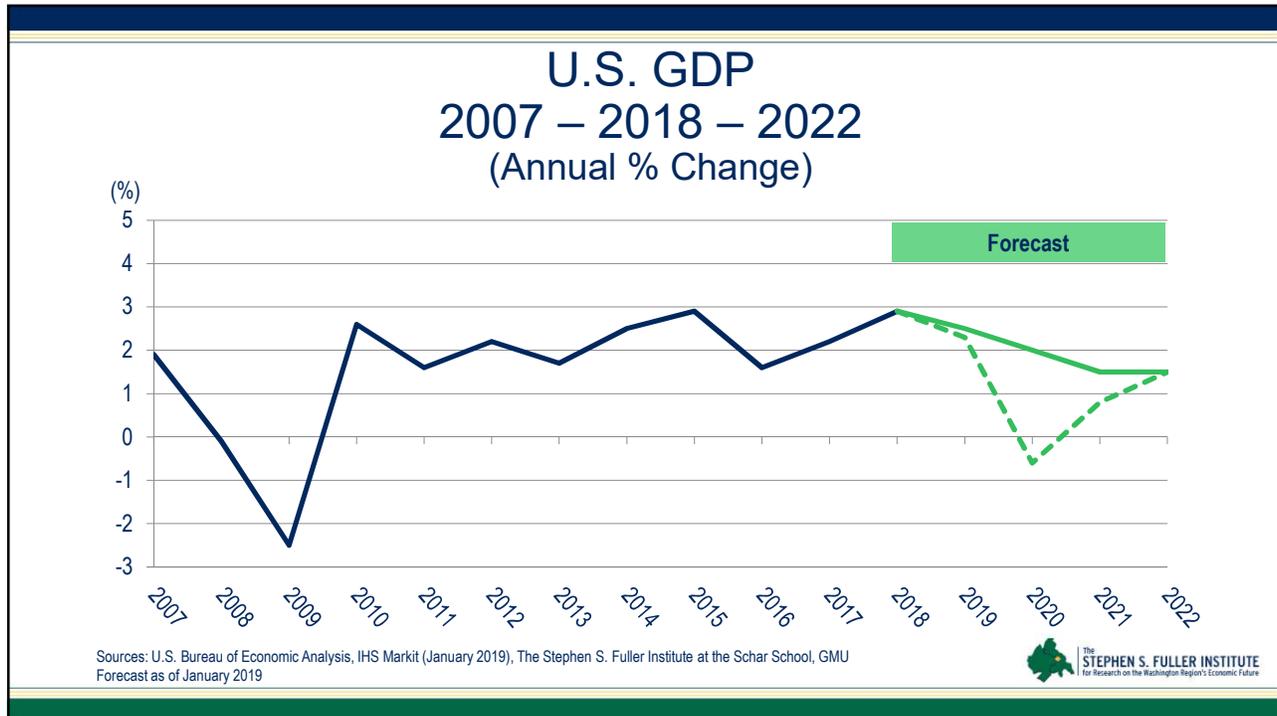
U.S. Consumer Confidence January 2012 – January 2019



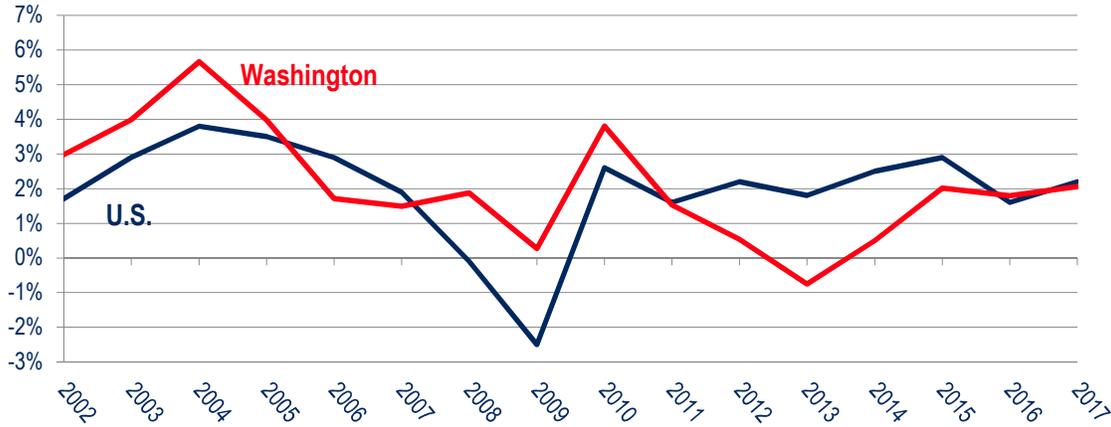
Sources: The Conference Board, The Stephen S. Fuller Institute at the Schar School, GMU







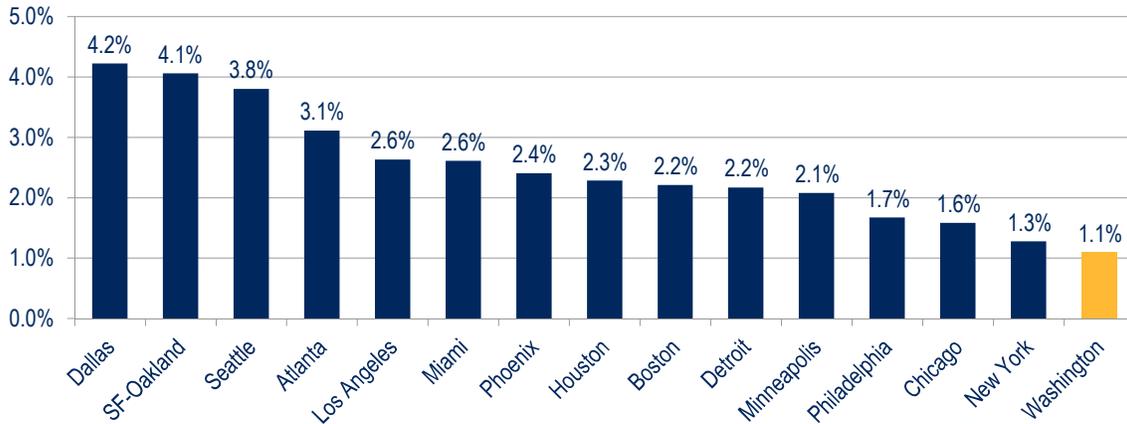
U.S. GDP and Washington MSA GRP 2002 – 2017 (Annual % Change)



Sources: U.S. Bureau of Economic Analysis; The Stephen S. Fuller Institute at the Schar School, GMU

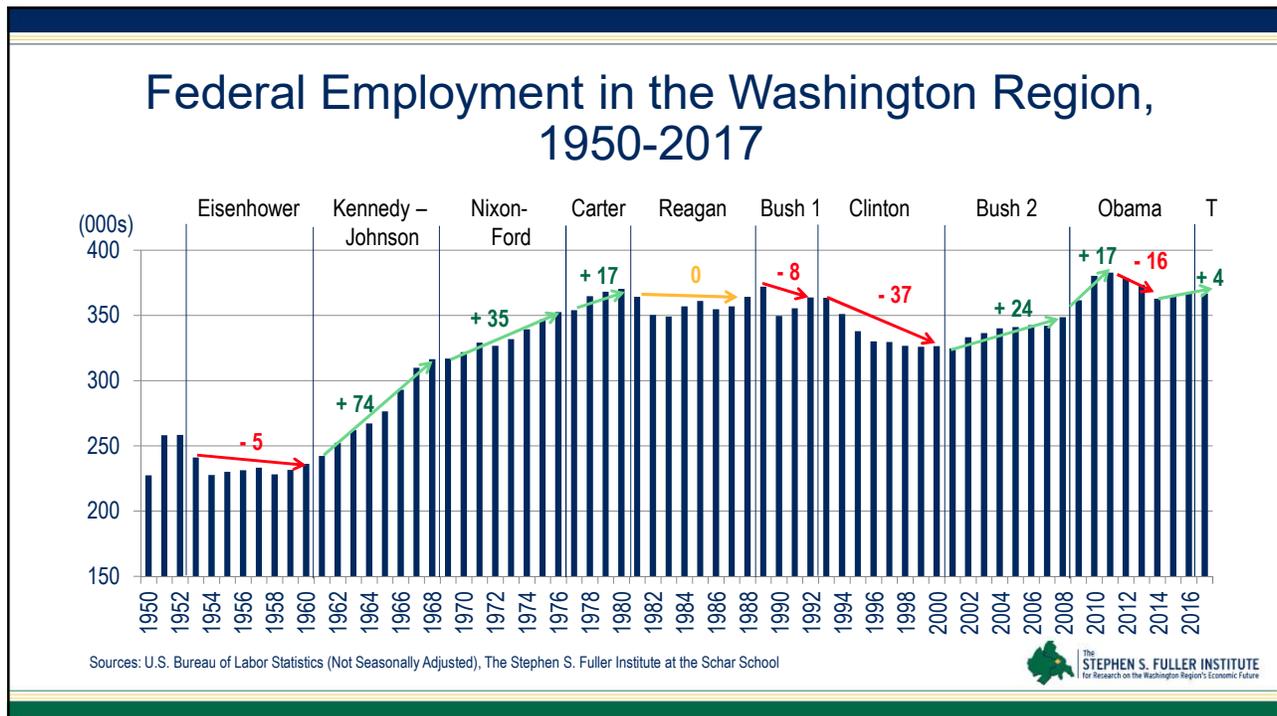
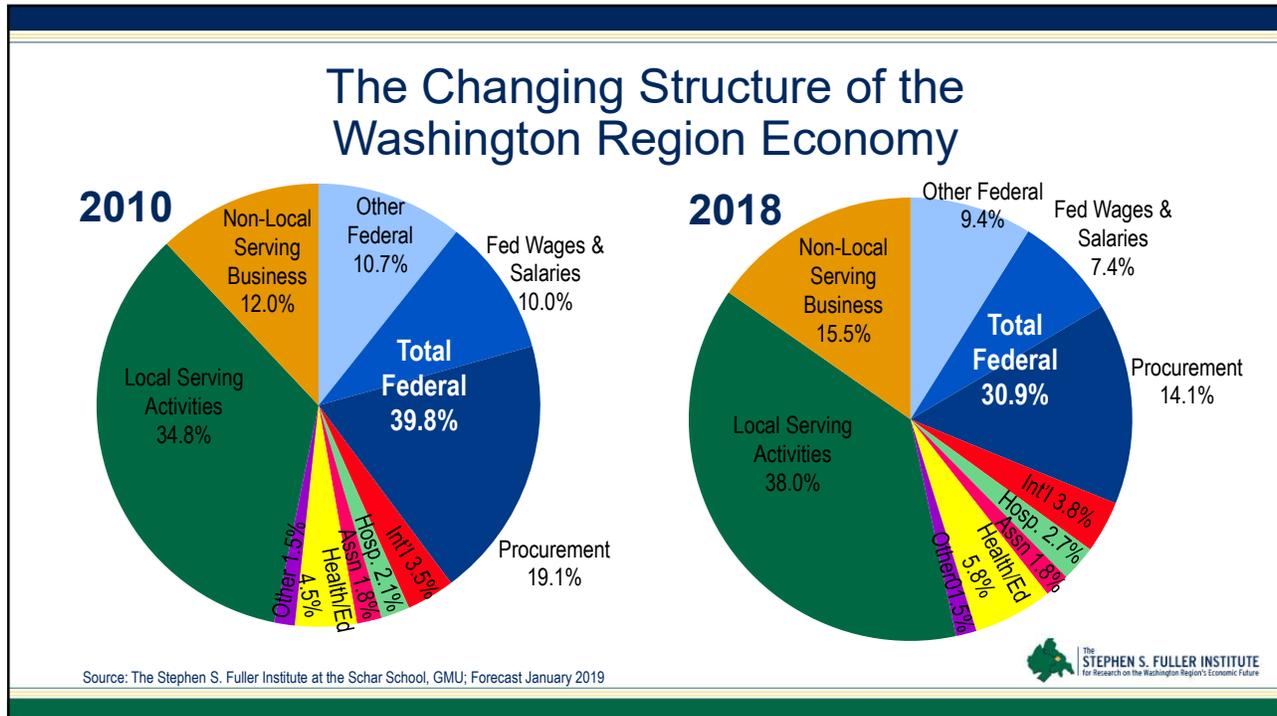


Average Annual GRP Change in the Largest Metros 2010-2017 (inflation-adjusted)

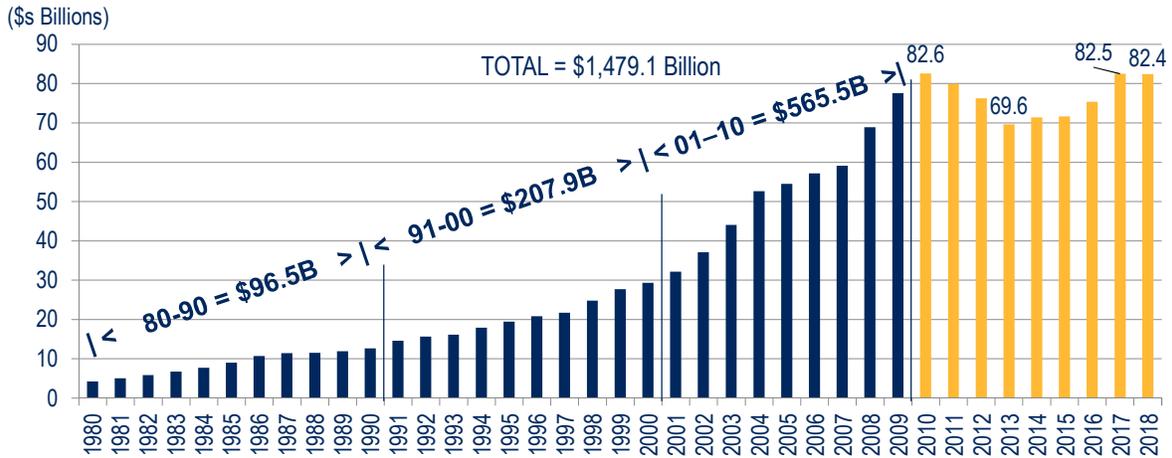


Sources: U.S. Bureau of Economic Analysis, The Stephen S. Fuller Institute at the Schar School, GMU





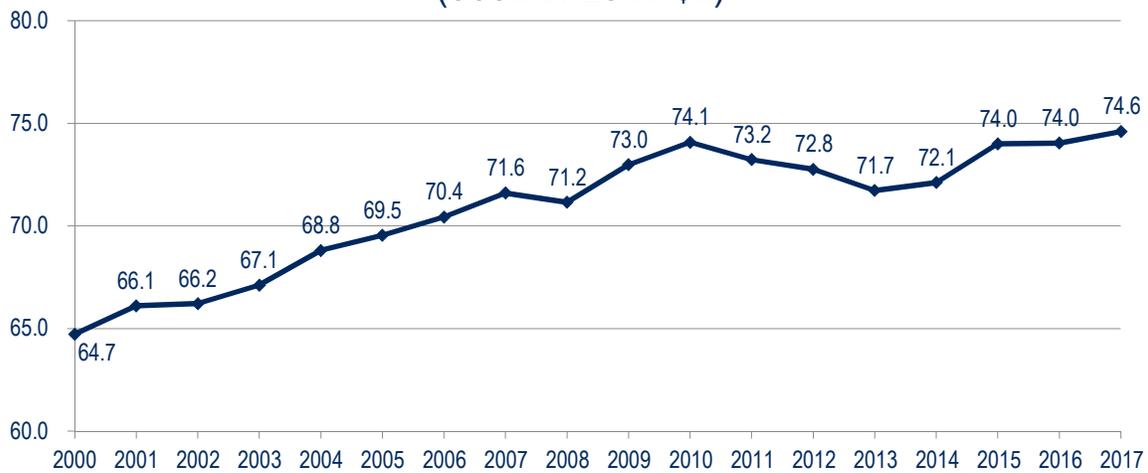
Federal Procurement in the Washington Region, 1980-2018



Source: US Census, Consolidated Federal Funds Report and USAspending.gov, The Stephen S. Fuller Institute at the Schar School, GMU

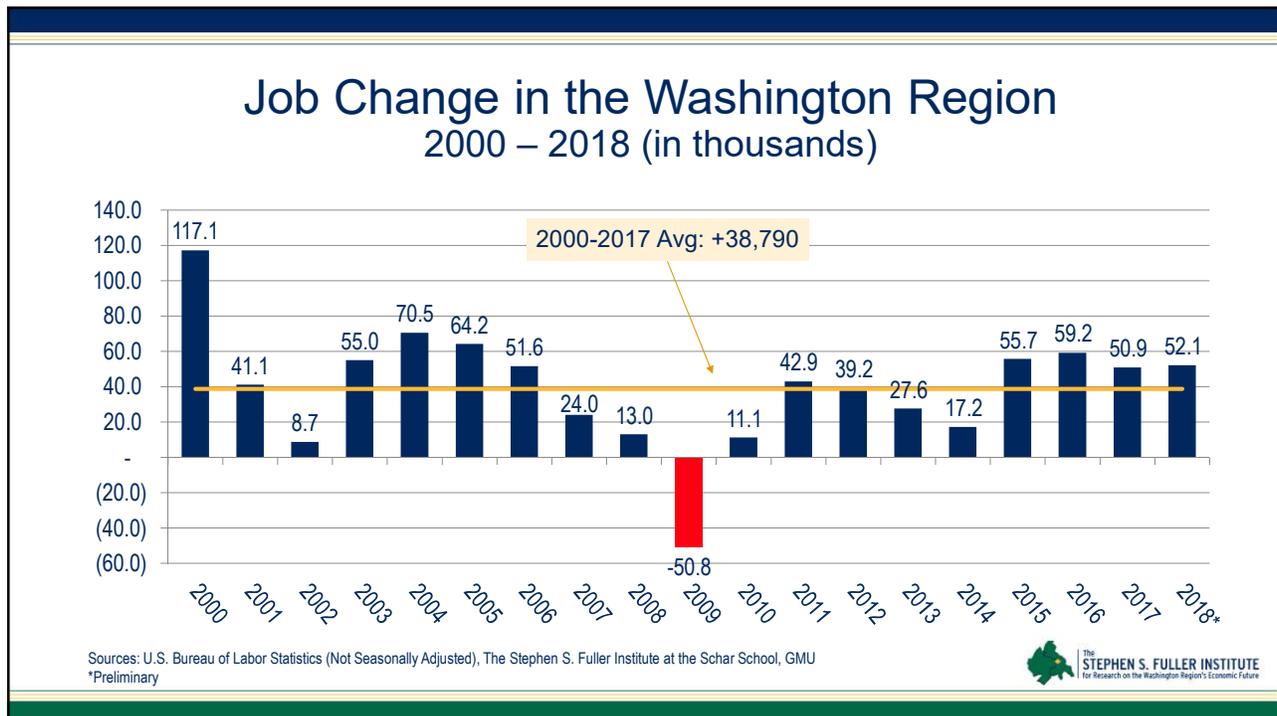
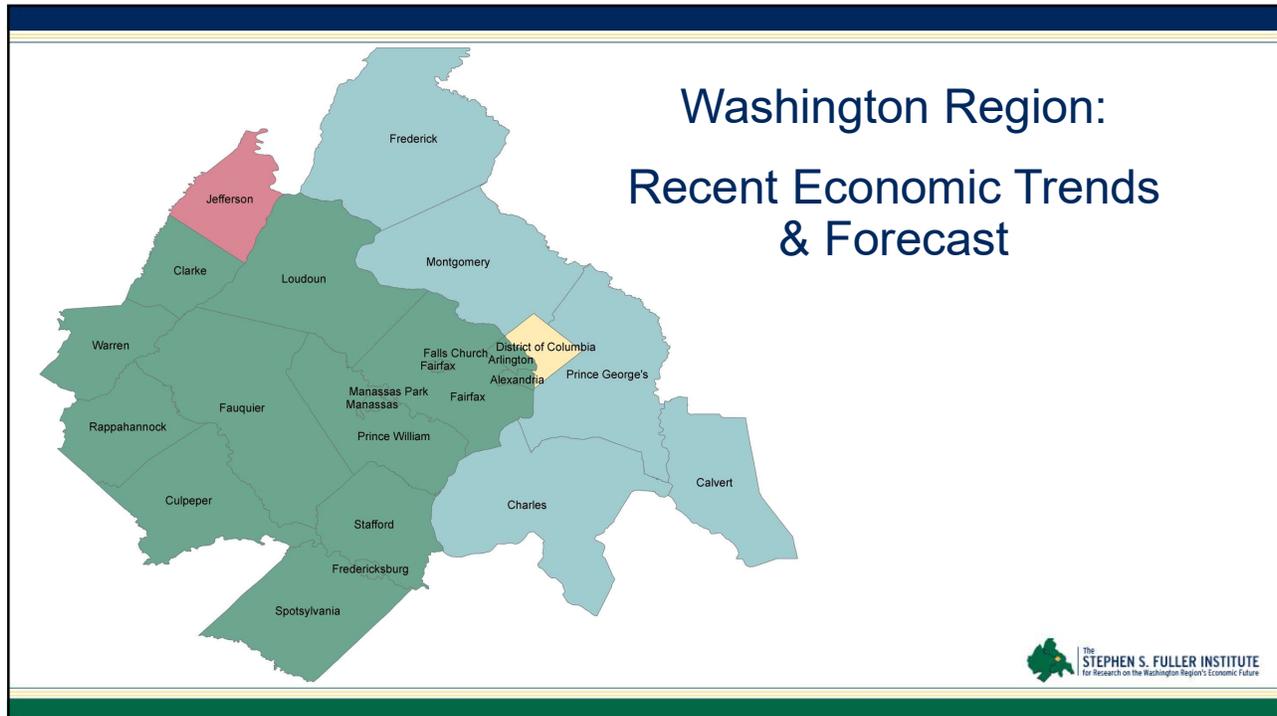


Average Wage in the Washington Region (000s of 2017 \$s)

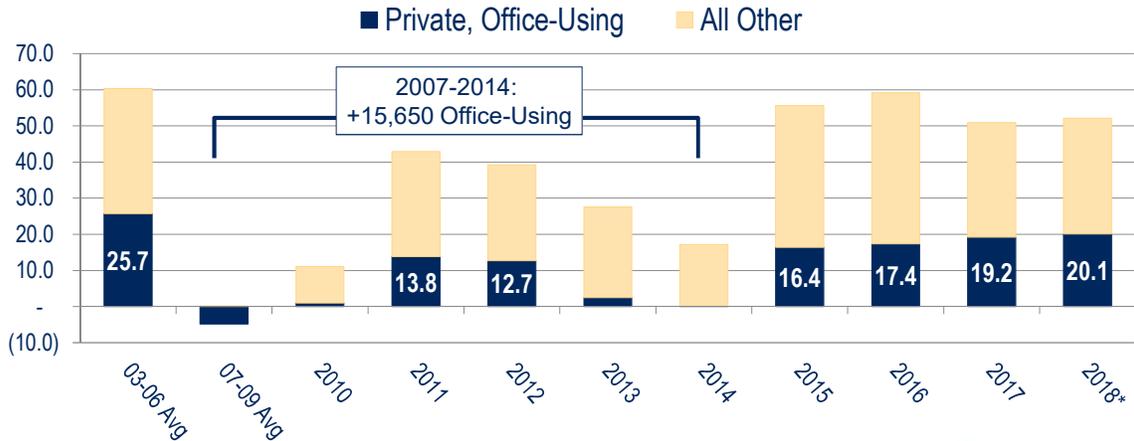


Sources: Bureau of Labor Statistics; The Stephen S. Fuller Institute





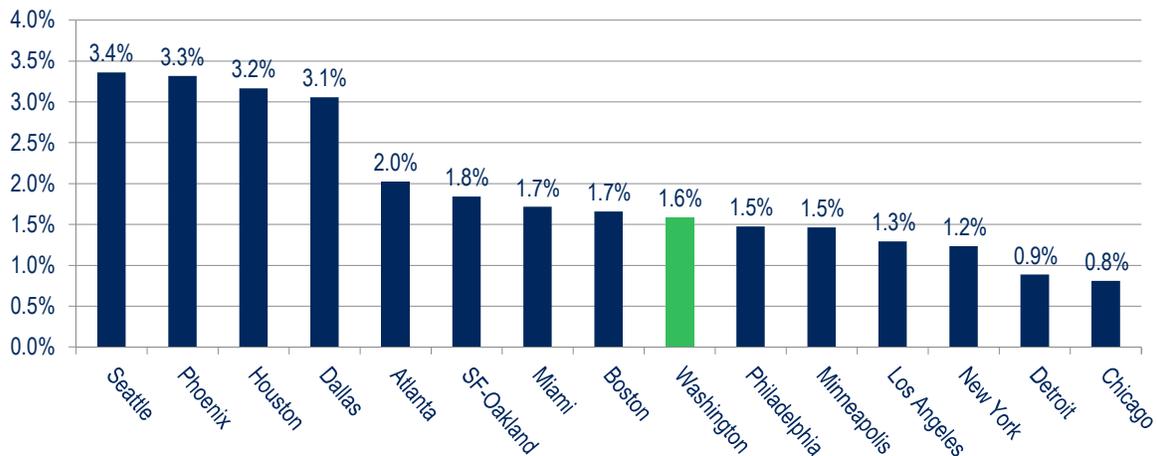
Job Change in the Washington Region 2000 – 2018 (in thousands)



Sources: U.S. Bureau of Labor Statistics (Not Seasonally Adjusted), The Stephen S. Fuller Institute at the Schar School, GMU
*Preliminary

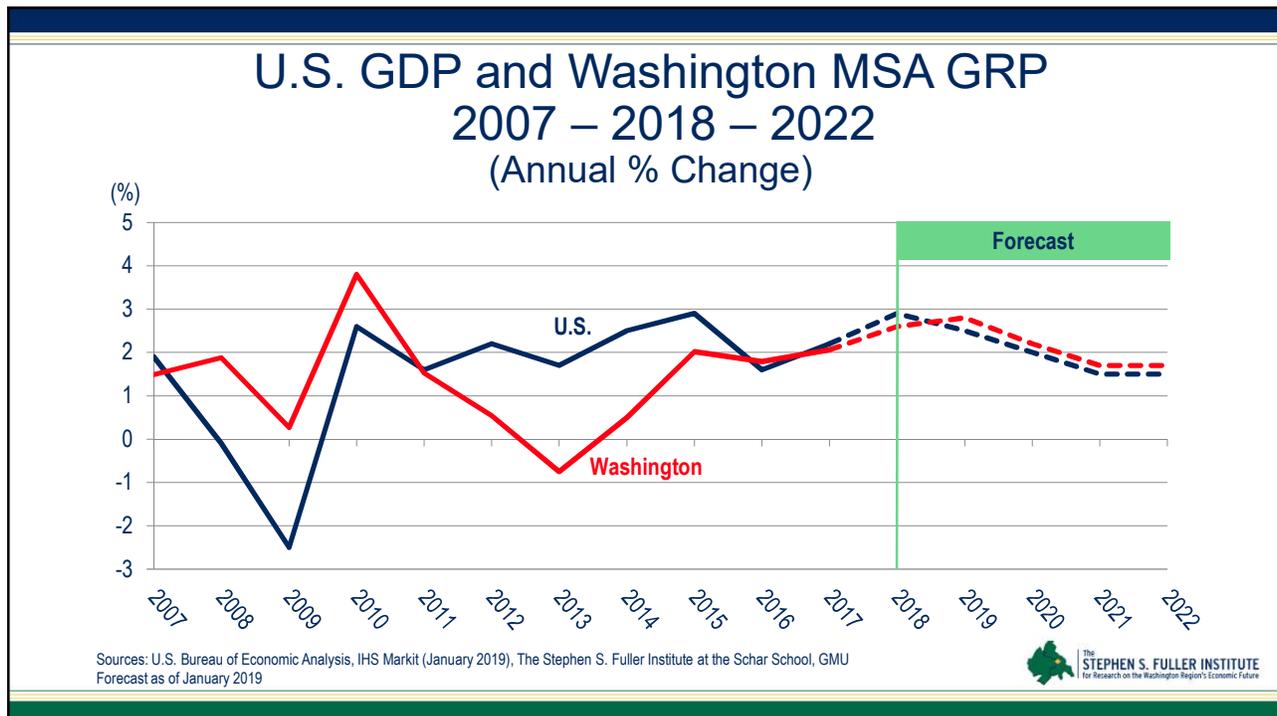
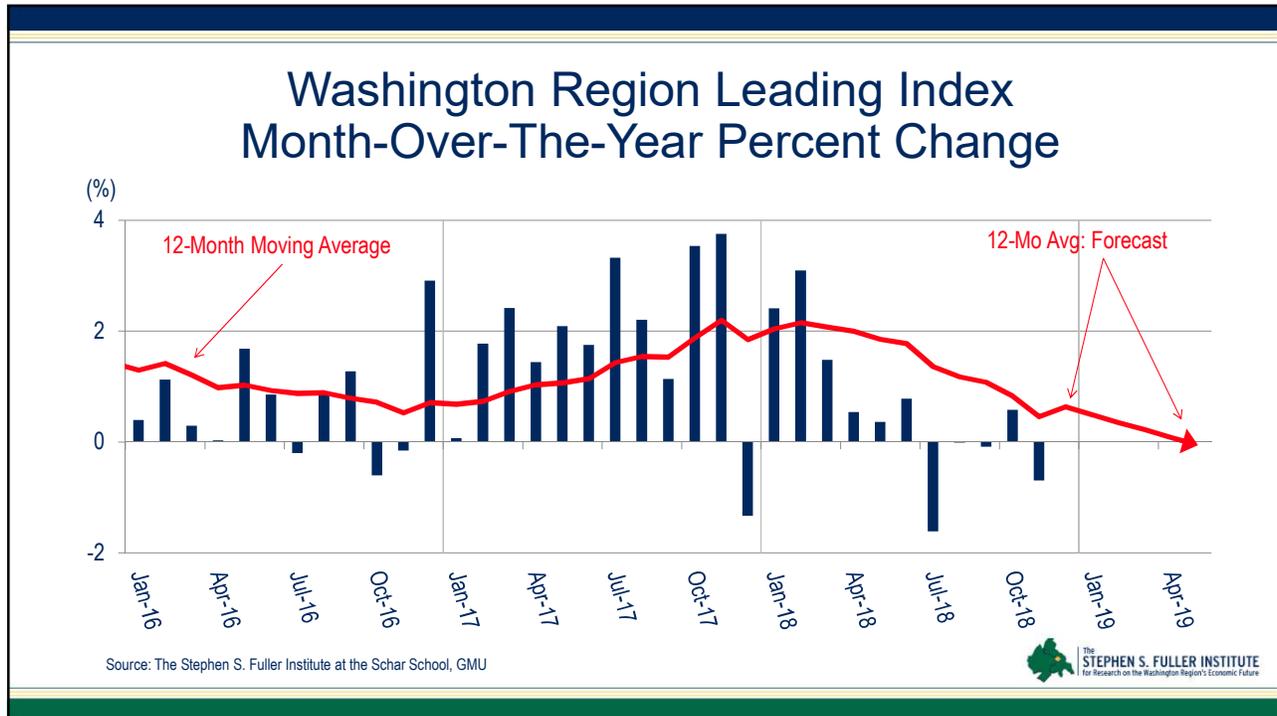


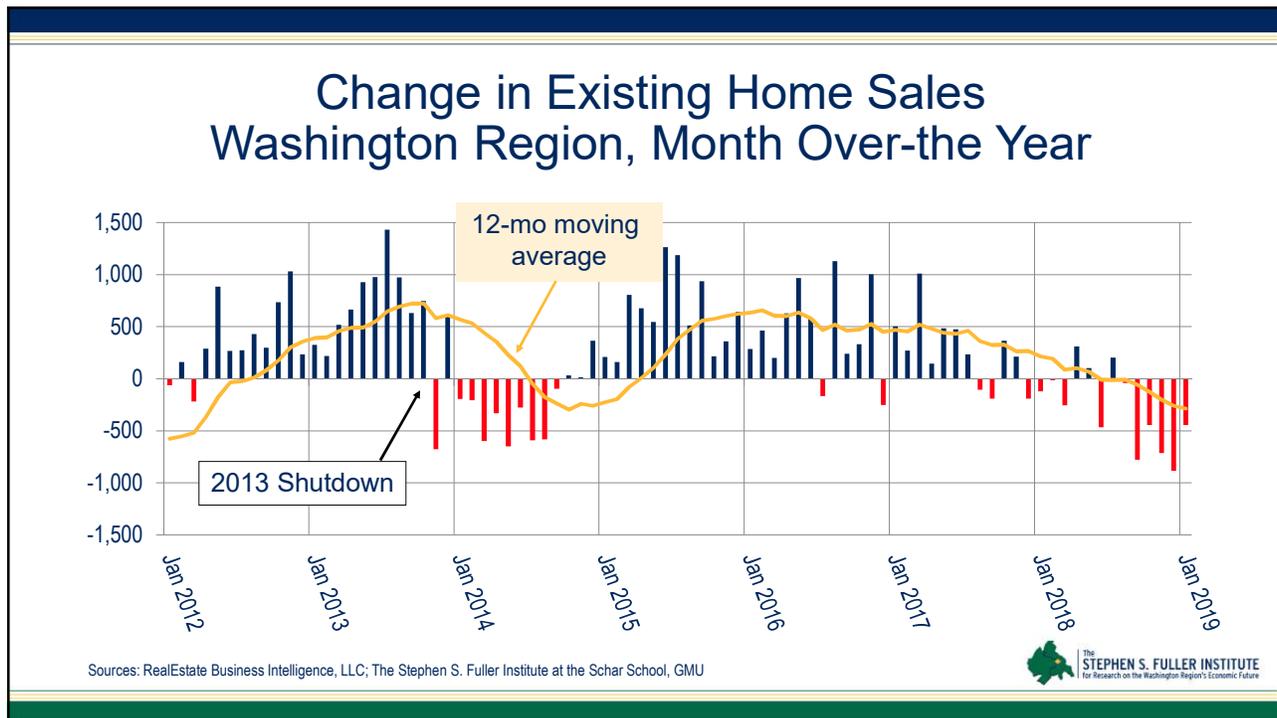
Average Job Change in 2018, Largest Metros



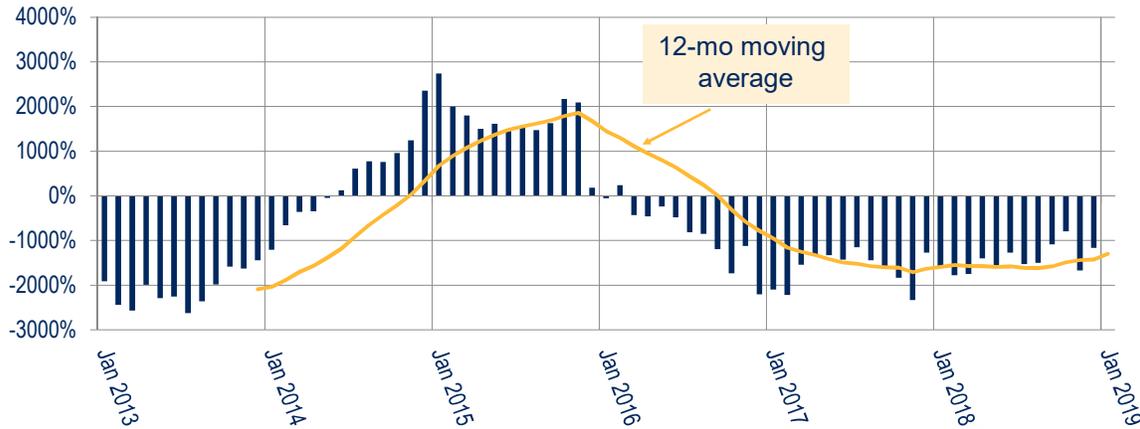
Sources: U.S. Bureau of Labor Statistics (Not Seasonally Adjusted), The Stephen S. Fuller Institute at the Schar School, GMU
NOTE: Preliminary







Change in Average Days-On-Market Washington Region, Month Over-the Year



Sources: RealEstate Business Intelligence, LLC; The Stephen S. Fuller Institute at the Schar School, GMU



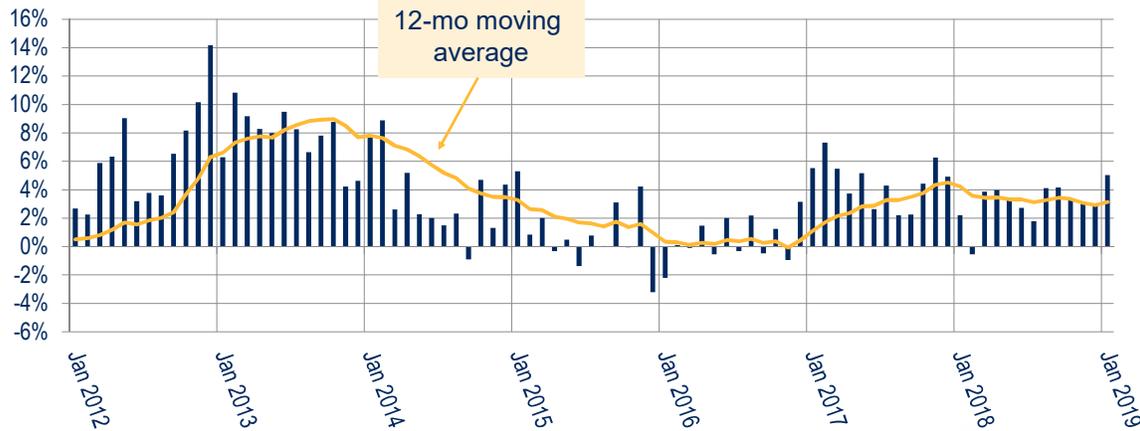
Months of Supply Washington Region, January of Each Year



Sources: RealEstate Business Intelligence, LLC; The Stephen S. Fuller Institute at the Schar School, GMU



Change in Average Sales Price Washington Region, Month Over-the Year



Sources: RealEstate Business Intelligence, LLC; The Stephen S. Fuller Institute at the Schar School, GMU



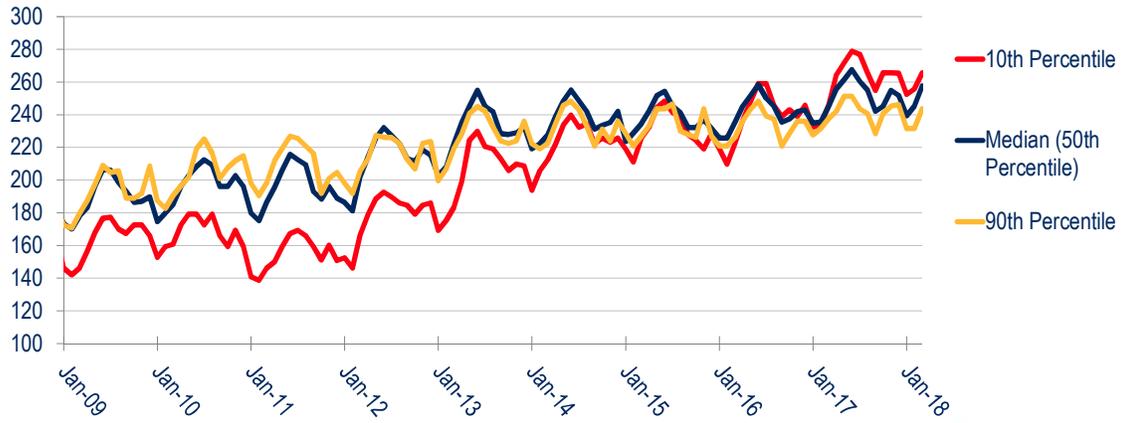
Change in Average Sales Price Washington Region, Annual



Sources: RealEstate Business Intelligence, LLC; The Stephen S. Fuller Institute at the Schar School, GMU



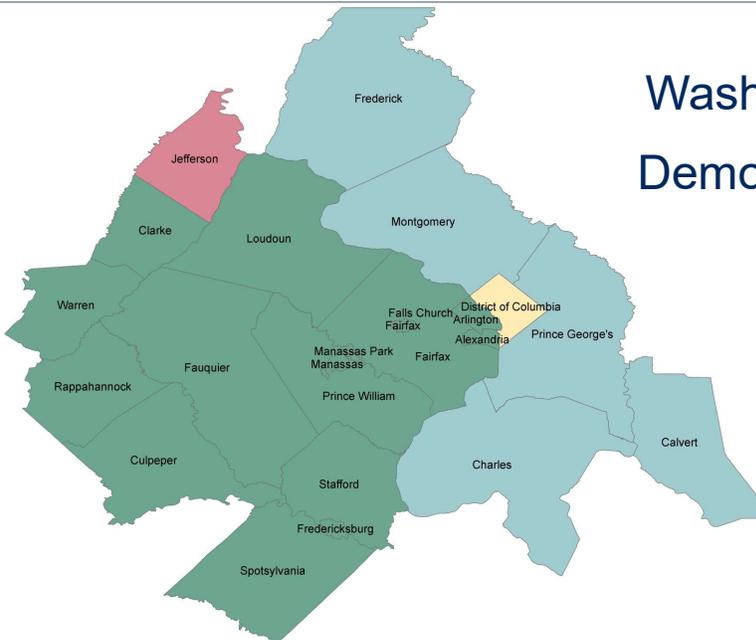
Home Sales Price Growth By Percentile Washington Region, 1997 – March 2018 100 = January 1997



Sources: MRIS; The Stephen S. Fuller Institute at the Schar School, GMU



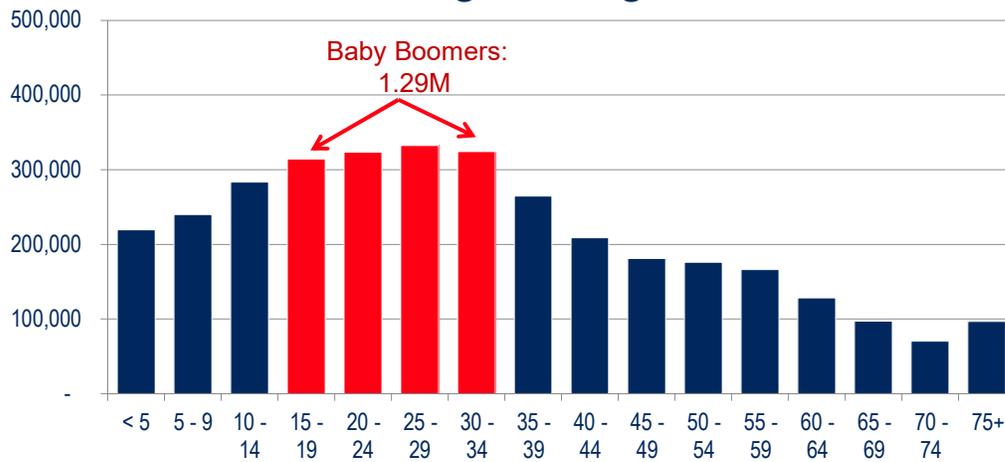
Washington Region: Demographic Trends



An Aging Population

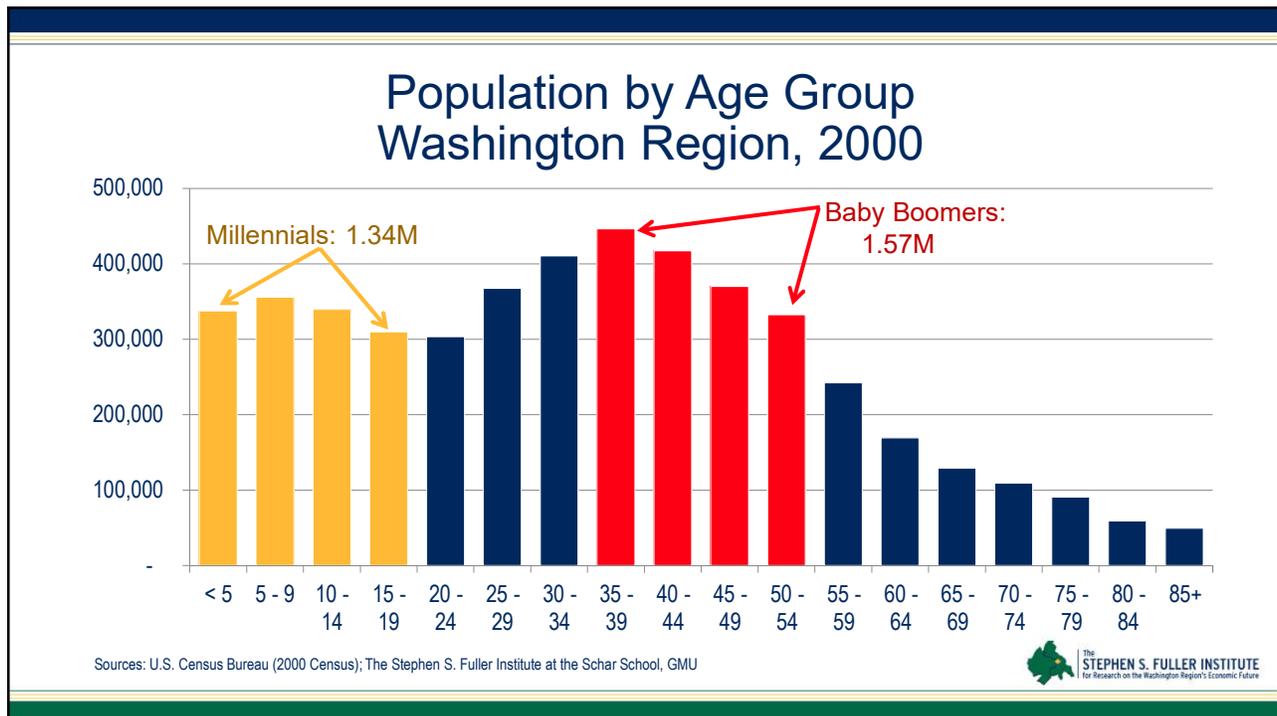
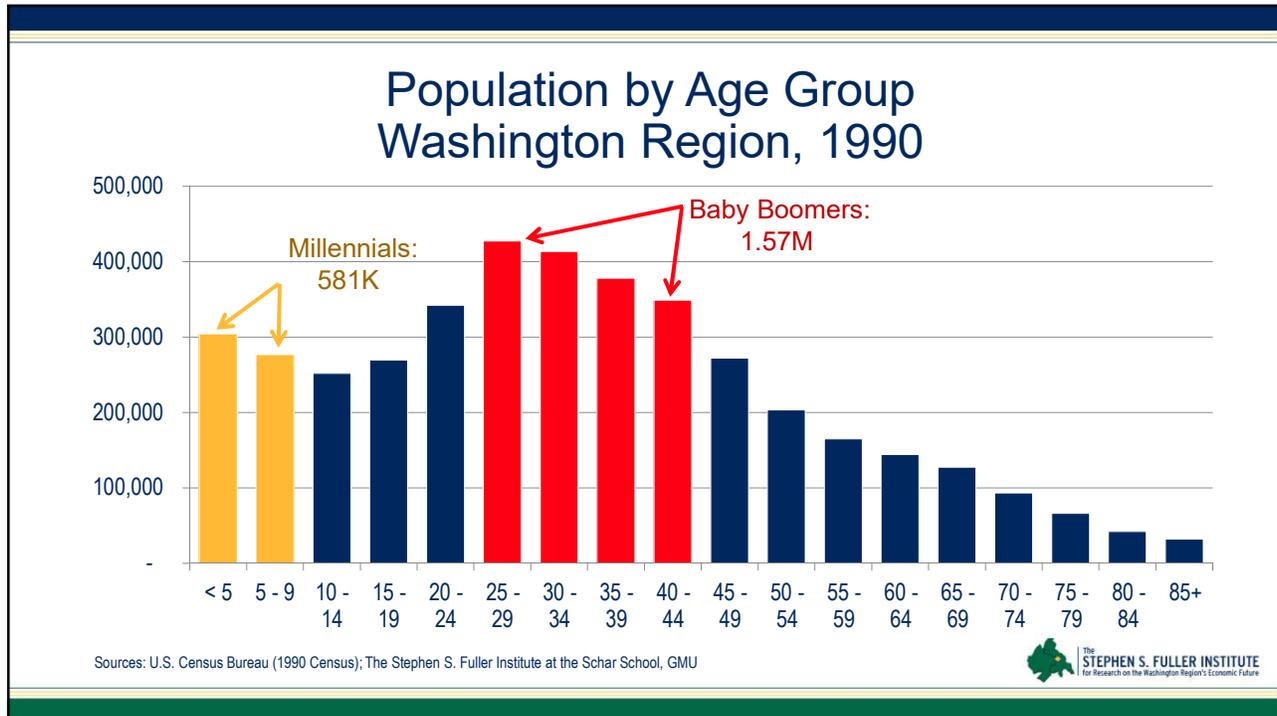


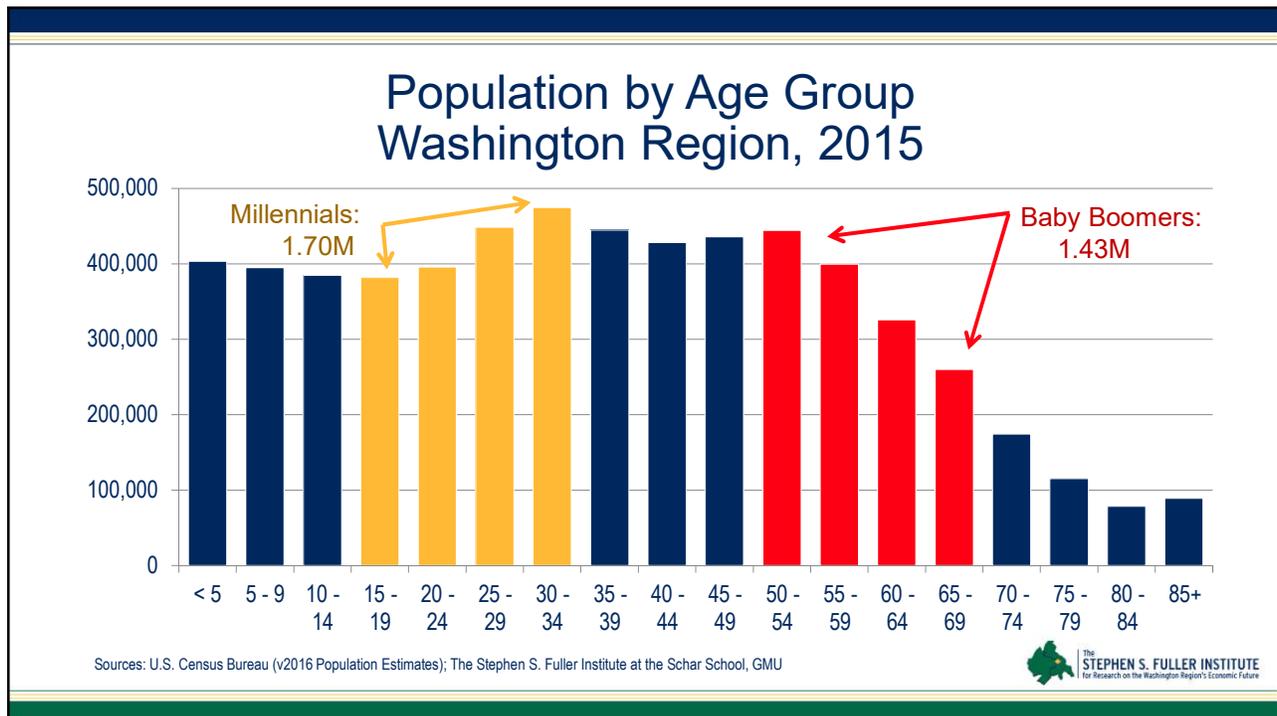
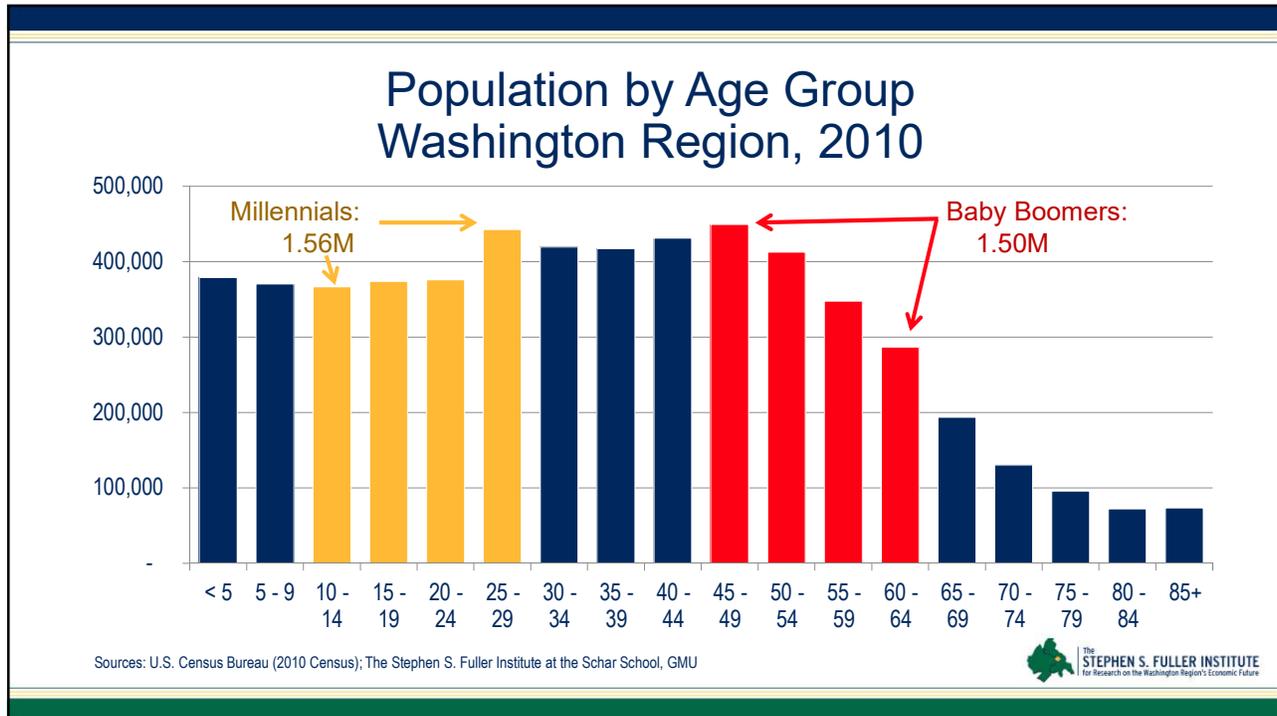
Population by Age Group Washington Region, 1980

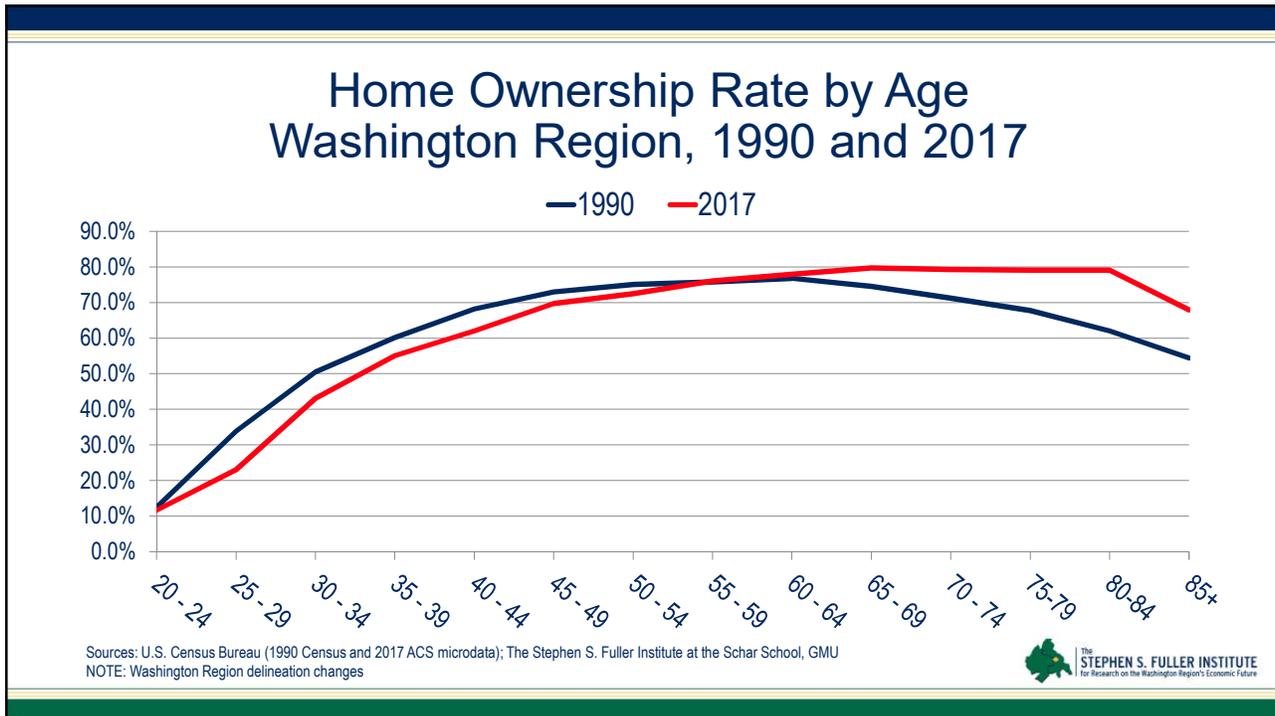
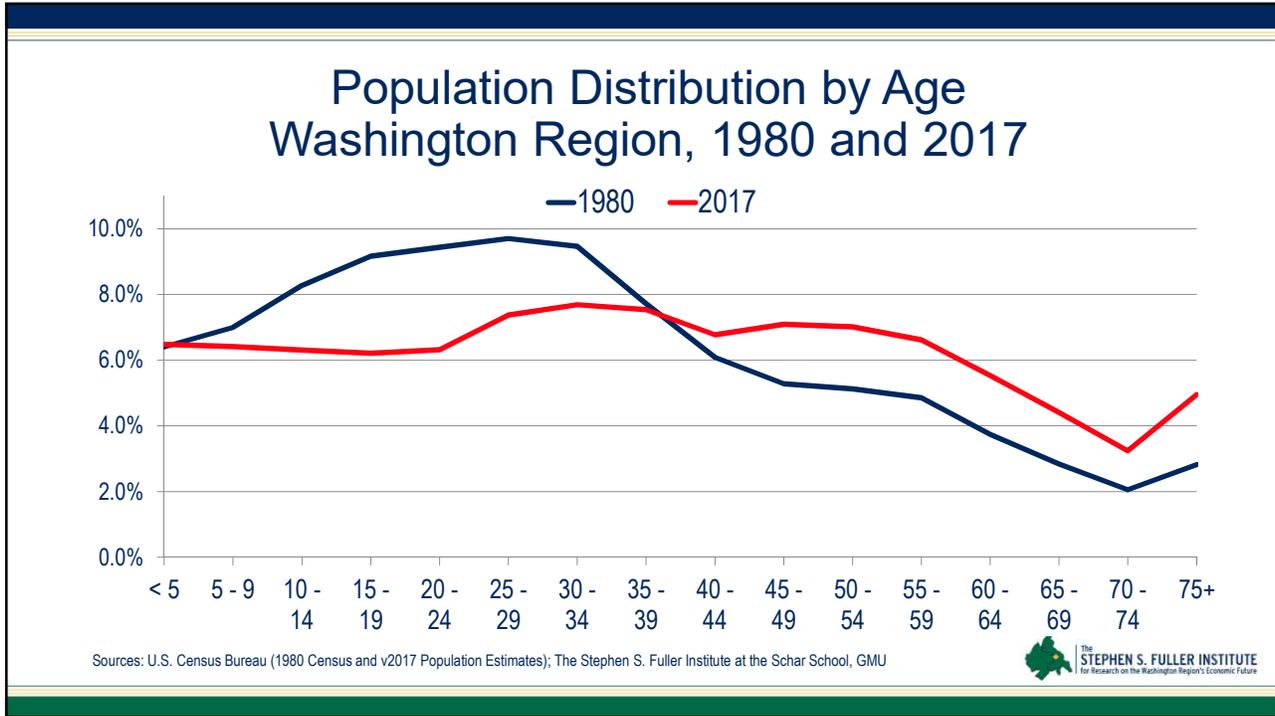


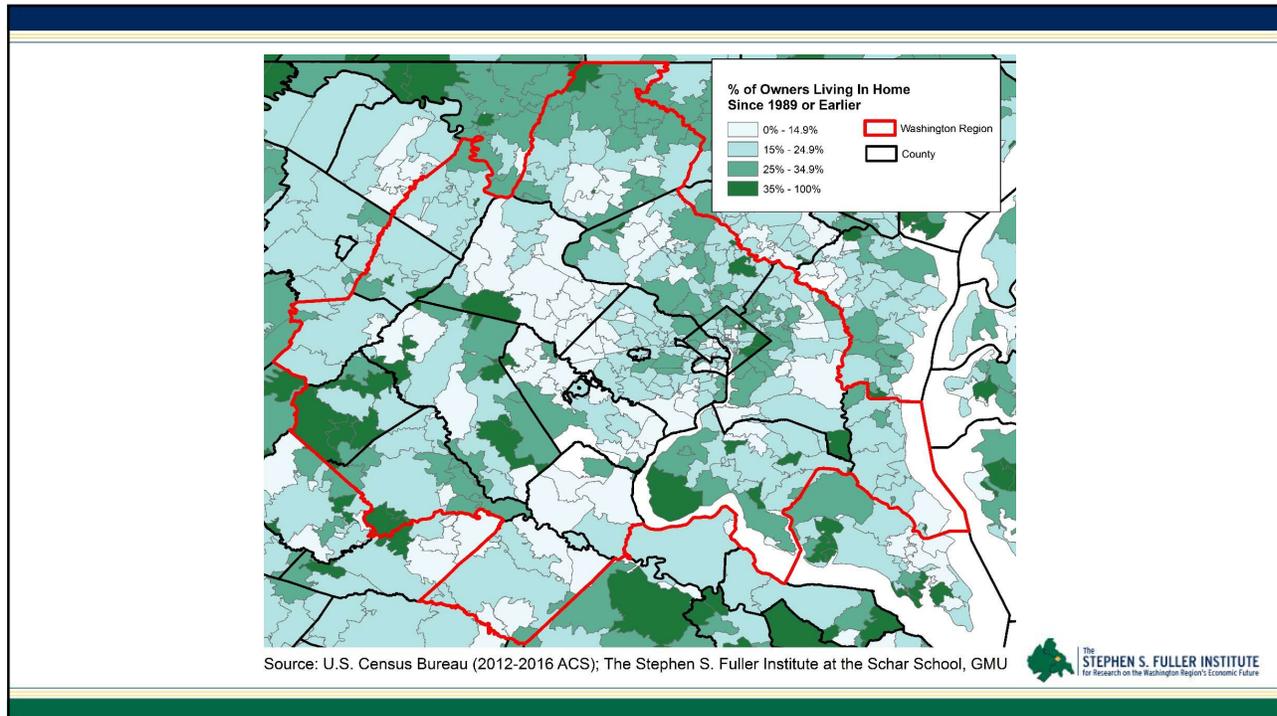
Sources: U.S. Census Bureau (1980 Census); The Stephen S. Fuller Institute at the Schar School, GMU











Slowing Population Growth

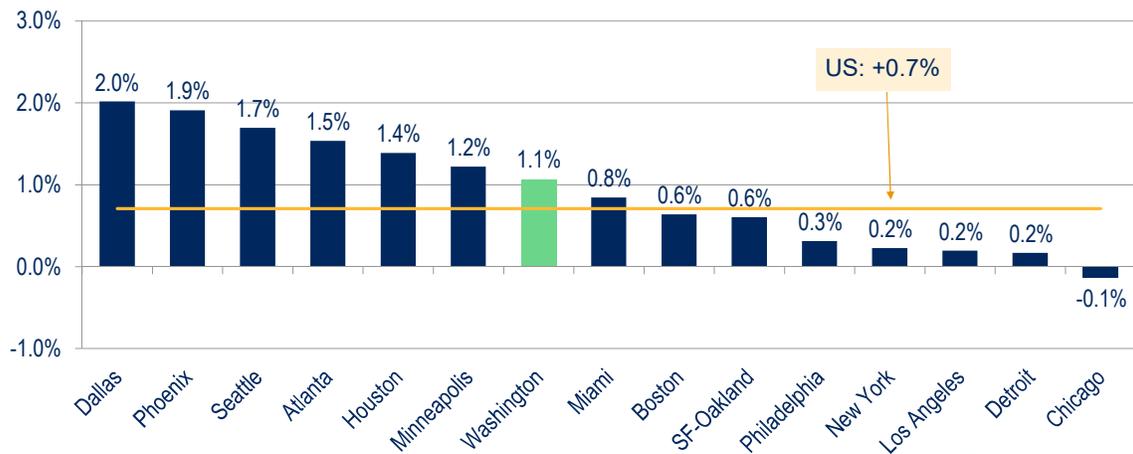
Population Growth in the Washington Region, 2001 to 2017



Sources: U.S. Census Bureau (Intercensal & v2017 Population Estimates); The Stephen S. Fuller Institute at the Schar School, GMU

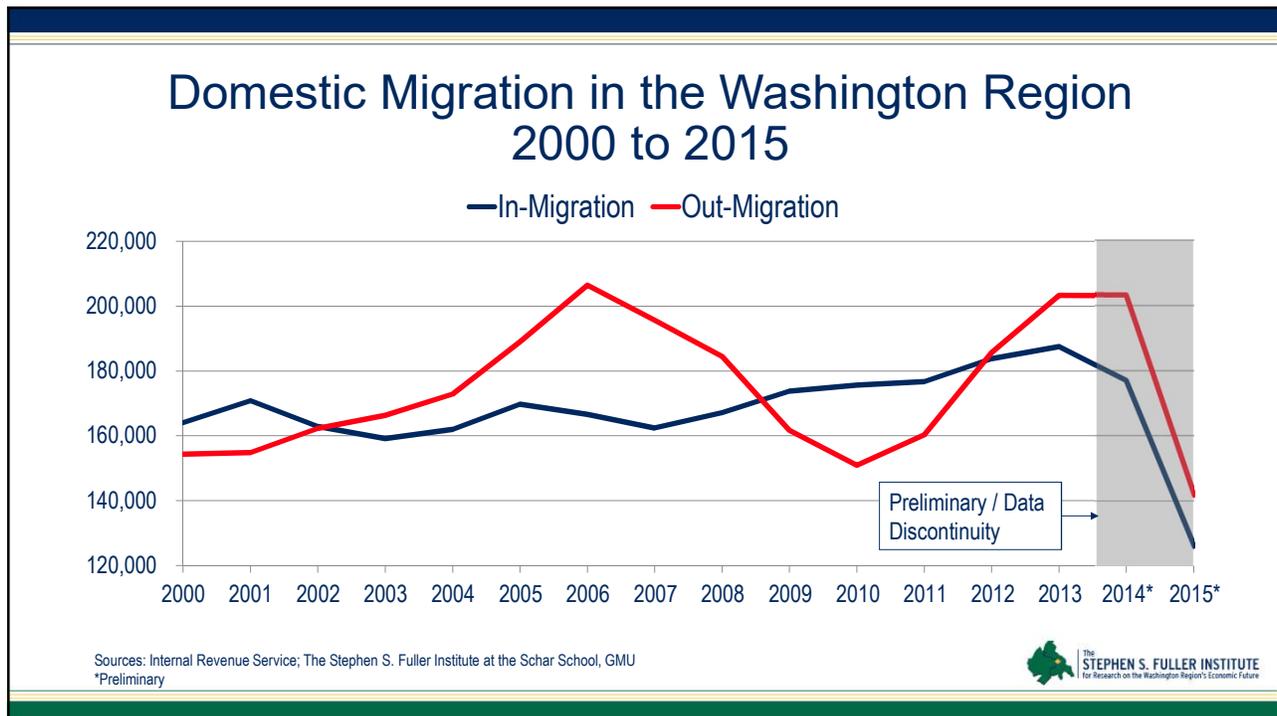
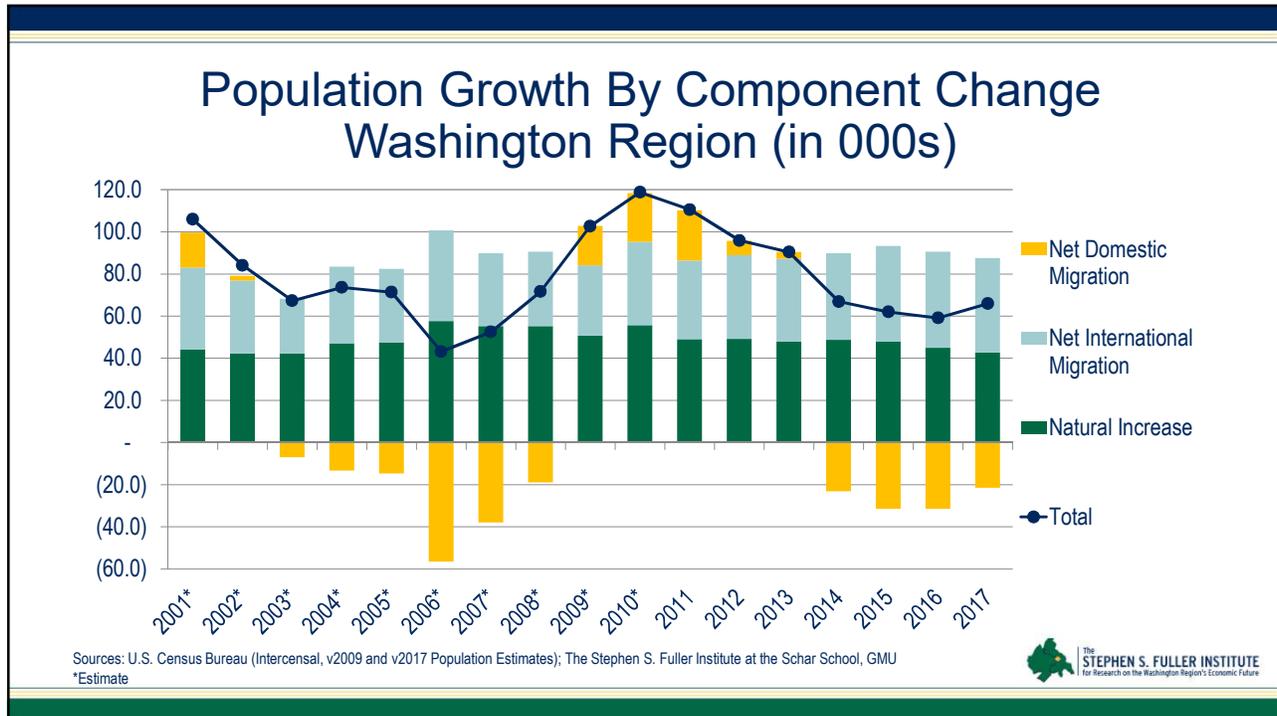


Population Change in the Largest Metros 2016-2017

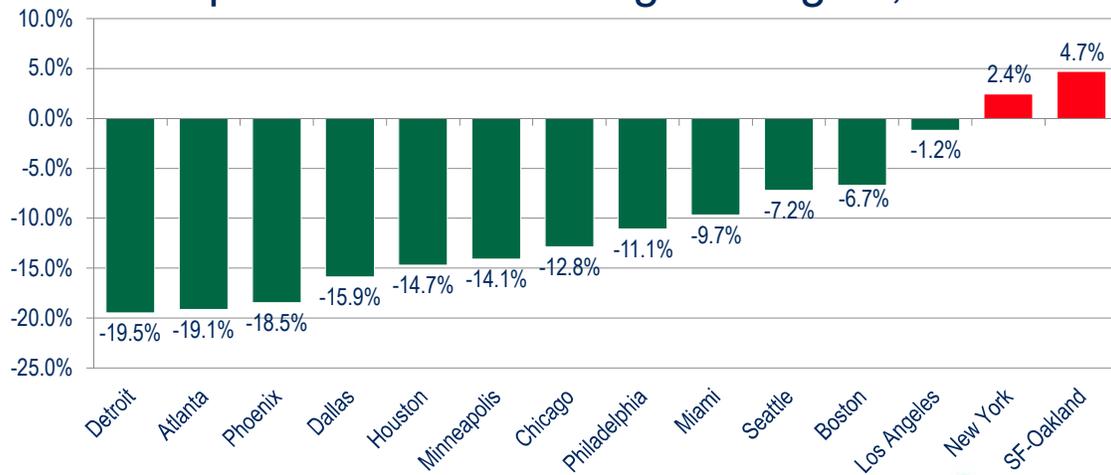


Sources: U.S. Census Bureau (v2017 Population Estimates), The Stephen S. Fuller Institute at the Schar School, GMU





Percent Difference in Regional Price Levels, Compared to the Washington Region, 2016



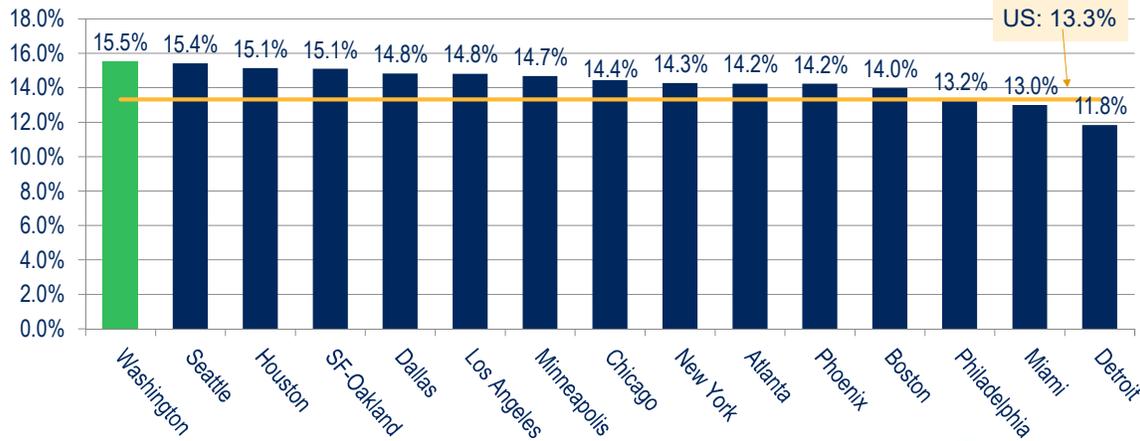
Sources: U.S. Bureau of Economic Analysis; The Stephen S. Fuller Institute at the Schar School, GMU



Lagging Millennial Retention?



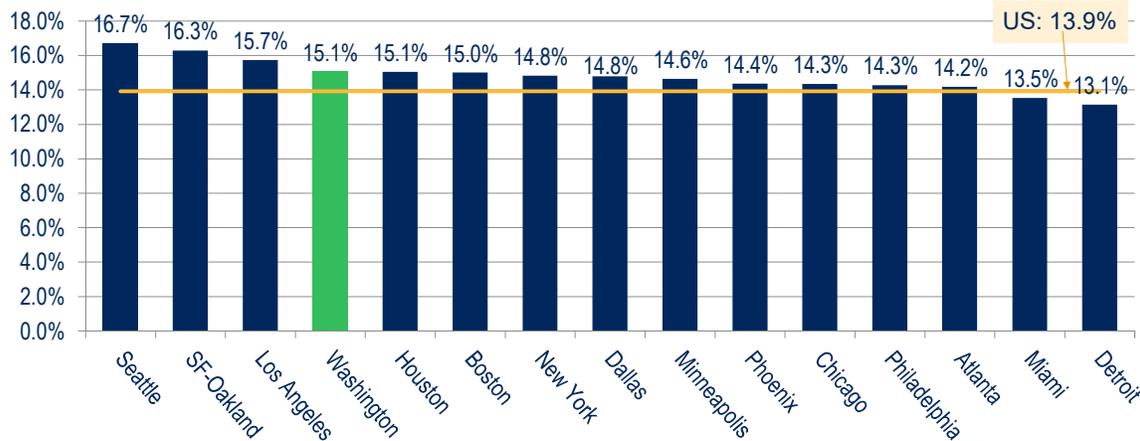
Share of 25-34 Years Olds Largest 15 Metros, 2010



Sources: U.S. Census Bureau (Vintage 2017 & 2000-2010 Intercensal Population Estimates); The Stephen S. Fuller Institute at the Schar School, GMU



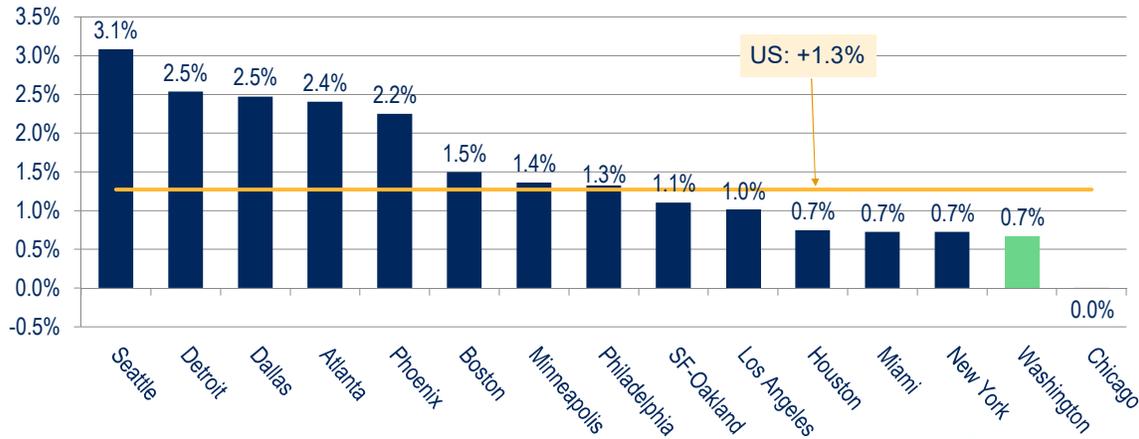
Share of 25-34 Years Olds Largest 15 Metros, 2017



Sources: U.S. Census Bureau (Vintage 2017 & 2000-2010 Intercensal Population Estimates); The Stephen S. Fuller Institute at the Schar School, GMU



Percent Change in 25-34 Years Olds Largest 15 Metros, 2016 - 2017



Sources: U.S. Census Bureau (Vintage 2017 & 2000-2010 Intercensal Population Estimates); The Stephen S. Fuller Institute at the Schar School, GMU



Amazon HQ2



HQ2 Employment Schedule

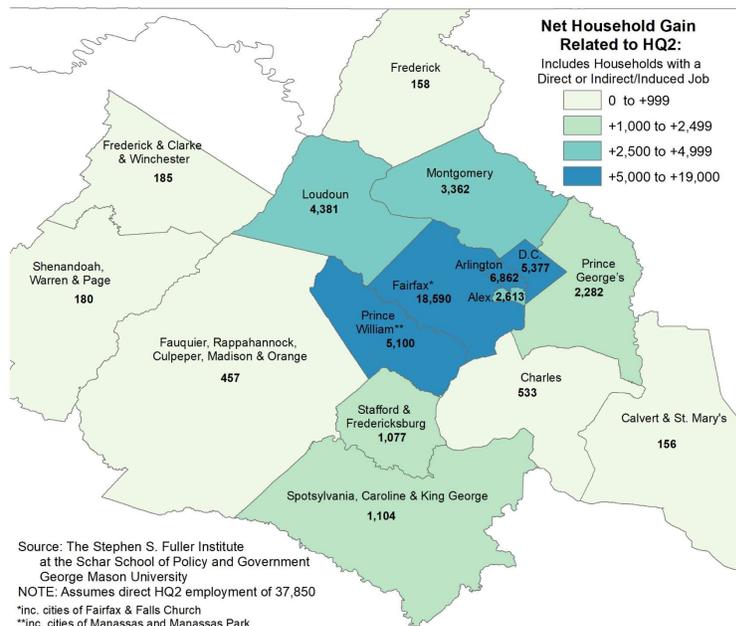
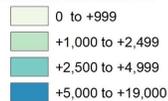


Sources: Commonwealth of Virginia MOU; The Stephen S. Fuller Institute at the Schar School, GMU



Net Household Gain Related to HQ2:

Includes Households with a Direct or Indirect/Induced Job



Source: The Stephen S. Fuller Institute at the Schar School of Policy and Government George Mason University
 NOTE: Assumes direct HQ2 employment of 37,850
 *inc. cities of Fairfax & Falls Church
 **inc. cities of Manassas and Manassas Park



Amazon-Related Owners in Select Jurisdictions

Assumes 37,850 HQ2 jobs, includes indirect & induced effects

	Build-Out	in 2017
Virginia		
Arlington County	2,071	3,030
Alexandria City	1,085	2,580
Fairfax County*	13,698	16,300
Prince William County**	4,013	8,330
Loudoun County	3,665	6,630
D.C.	2,410	8,900
Maryland		
Montgomery County	2,737	12,430
Prince George's County	1,886	10,230

Sources: RealEstate Business Intelligence, LLC; The Stephen S. Fuller Institute at the Schar School, GMU
 *Includes the cities of Fairfax and Falls Church ** Includes the cities of Manassas and Manassas Park



Amazon-Related Renters in Select Jurisdictions

Assumes 37,850 HQ2 jobs, includes indirect & induced effects

	Renters at Full Build-Out	Renters in 2016	Total % Increase from 2016
Virginia			
Arlington County	4,792	57,133	8.4%
Alexandria City	1,528	41,808	3.7%
Fairfax County*	4,893	134,425	3.6%
Prince William County**	1,087	49,891	2.2%
Loudoun County	716	25,552	2.8%
D.C.	2,968	169,875	1.7%
Maryland			
Montgomery County	625	132,098	0.5%
Prince George's County	396	121,333	0.3%

Sources: U.S. Census Bureau (2016 ACS Microdata); The Stephen S. Fuller Institute at the Schar School, GMU
 *Includes the cities of Fairfax and Falls Church ** Includes the cities of Manassas and Manassas Park



Thank You

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