# PHILADELPHIA HOUSE PRICE INDICES

## October 24, 2018



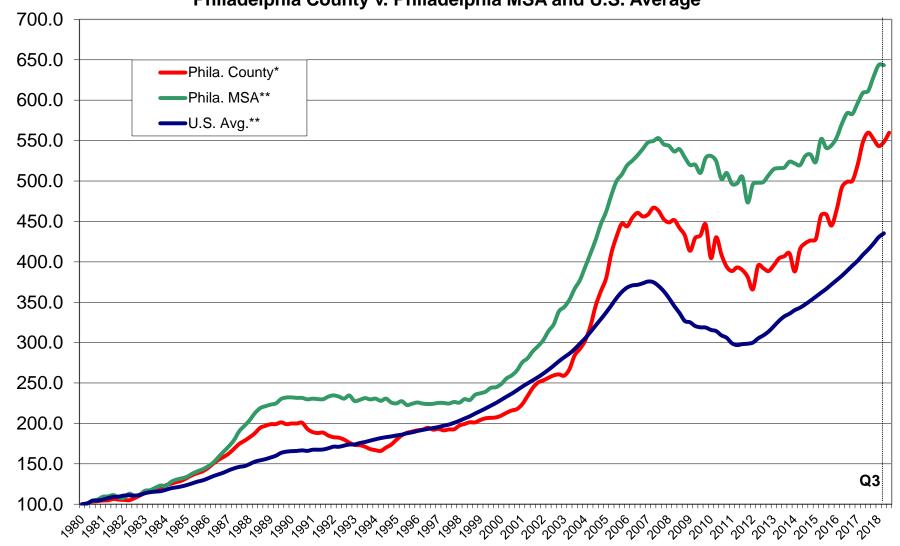
KEVIN C. GILLEN, Ph.D.

Kevin.C.Gillen@Drexel.edu

Disclaimers and Acknowledgments: The Lindy Institute for Urban Innovation at Drexel University provides this report free of charge to the public. The report is produced by Kevin C. Gillen Ph.D.. The author thanks Azavea.com, the Philadelphia Office of Property Assessment, the Federal Housing Finance Agency, Case-Shiller MacroMarkets LLC, RealtyTrac, Zillow.com, Trulia.com and the NAHB for making their data publicly available. © 2016, Drexel University, All Rights Reserved.



#### House Price Indices 1980-2018: 1980Q1=100 Philadelphia County v. Philadelphia MSA and U.S. Average



"MSA"=Metropolitan Statistical Area, which is the entire 10-county region.



<sup>\*</sup> Empirically estimated by Kevin C. Gillen, Ph.D.

<sup>\*\*</sup>Courtesy of the Federal Housing Finance Agency (FHFA). These HPIs are current through 2016Q4 only.

### **Total House Price Appreciation Rates by Geographic Market**

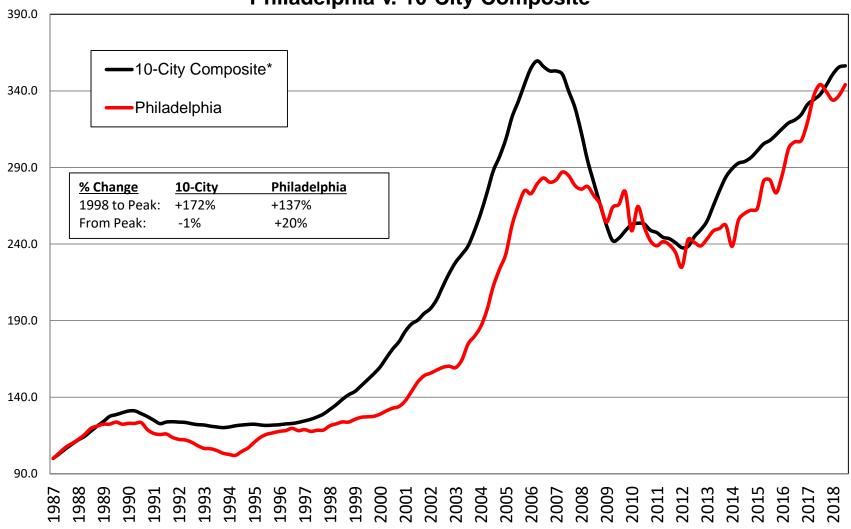
Period	Philadelphia County*	Philadelphia MSA**	U.S.A.**
38-Year	172.2%	186.1%	147.1%
10-Year	23.6%	18.2%	23.2%
1-Year	0.0%	<b>5.5</b> %	6.3%
1-Quarter	2.1%	0.0%	1.1%

<sup>\*</sup>Empirically estimated by Kevin C. Gillen Ph.D.



<sup>\*\*</sup>Source: U.S. Federal Housing Finance Agency (FHFA). These numbers are through 2018Q2 only. "MSA"="Metropolitan Statistical Area", which is the entire 10-county region.

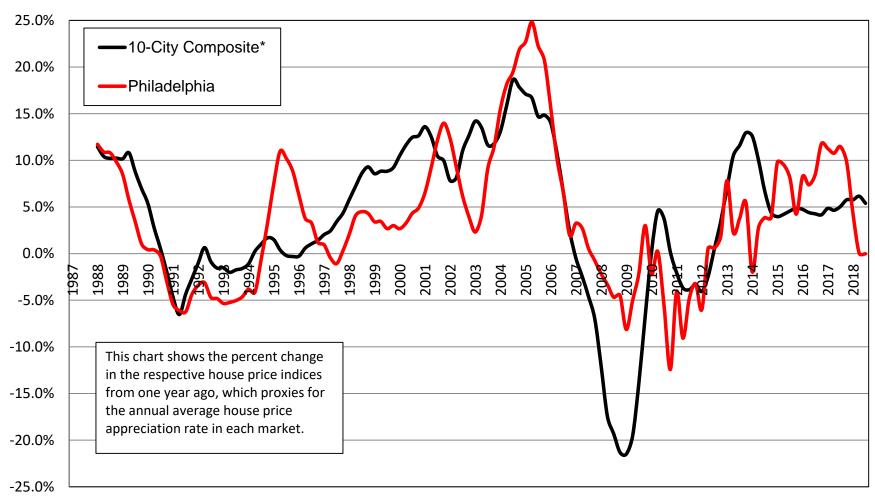
## House Price Appreciation 1987-2018: Philadelphia v. 10-City Composite



<sup>\*</sup>Source: S&P/Case-Shiller. The 10-City Composite index includes Boston, Chicago, Denver, Las Vegas, Los Angeles, Miami, New York, San Diego, San Francisco, and Washington, DC. It does not include Philadelphia.

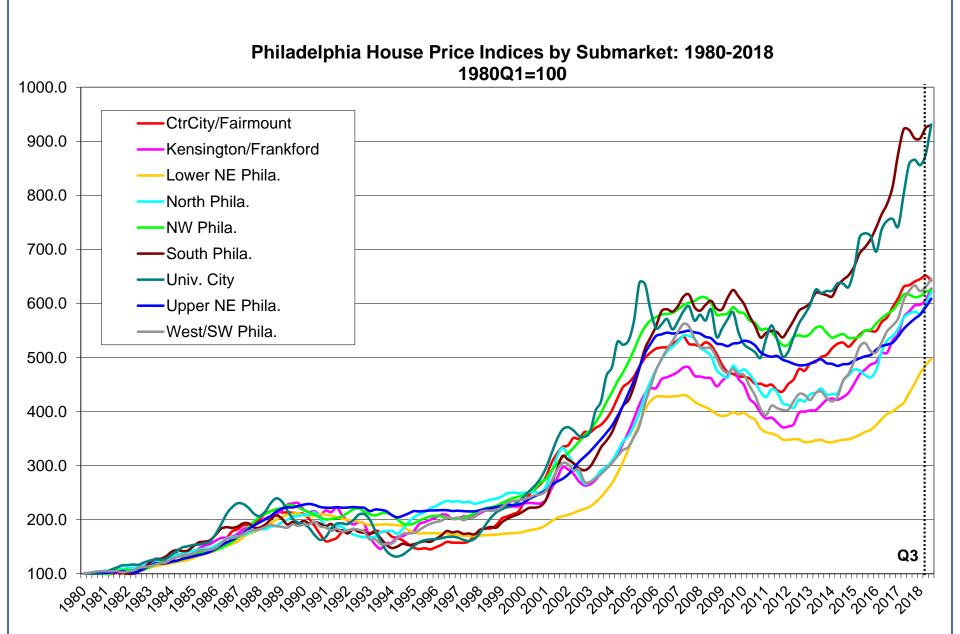


## YoY House Price Change (%) 1987-2018: Philadelphia v. 10-City Composite





<sup>\*</sup>Source: S&P/Case-Shiller. The 10-City Composite index includes Boston, Chicago, Denver, Las Vegas, Los Angeles, Miami, New York, San Diego, San Francisco, and Washington, DC. It does not include Philadelphia.



<sup>\*</sup> All indices empirically estimated by Kevin C. Gillen, Ph.D.



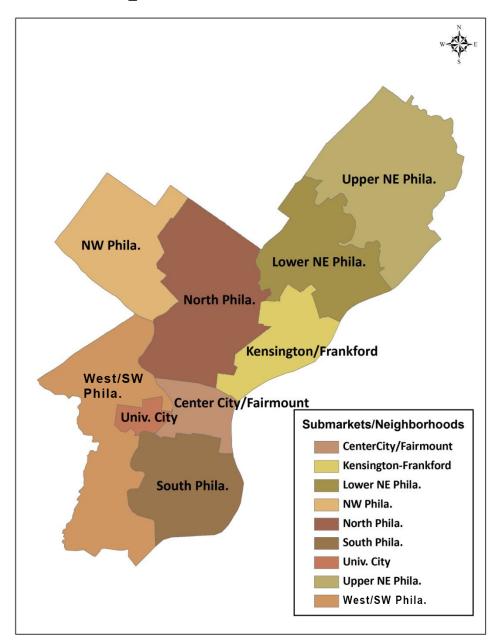
### Philadelphia House Price Appreciation Rates by Submarket

Period	Center City/ Fairmount	Kensington /Frankford	Lower NE Phila.	North Phila.	NW Phila.	South Phila.	Univ. City	Upper NE Phila.	West/ SW Phila.
38-year	186.0%	183.7%	160.5%	182.7%	183.3%	223.0%	223.1%	180.6%	186.5%
10-year	20.7%	30.8%	21.2%	21.1%	3.9%	43.0%	45.8%	12.8%	22.2%
1-Year	1.4%	7.0%	13.6%	6.6%	1.5%	1.0%	8.1%	7.8%	3.6%
1-Quarter	-1.3%	3.4%	2.5%	3.7%	0.7%	0.6%	6.2%	2.6%	2.4%

This table gives the total % change in average house values by submarket, through 2018 Q3, from different starting points in time.

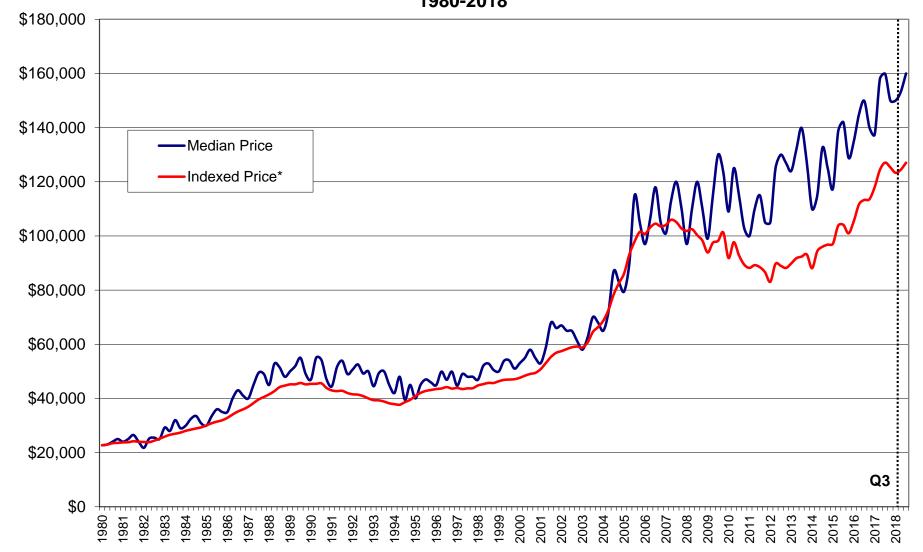


### **Philadelphia Submarket Boundaries**





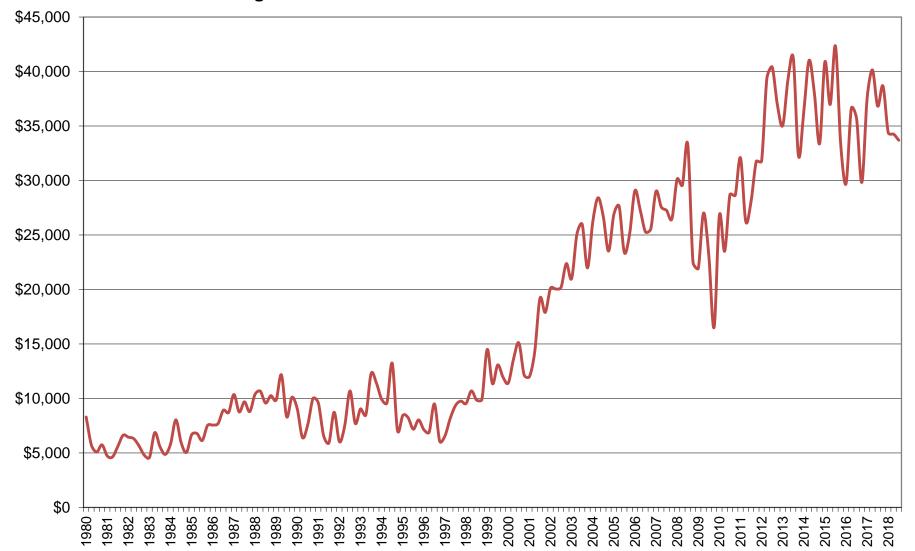
## Median Philadelphia House Price v. Indexed Philadelphia House Price 1980-2018





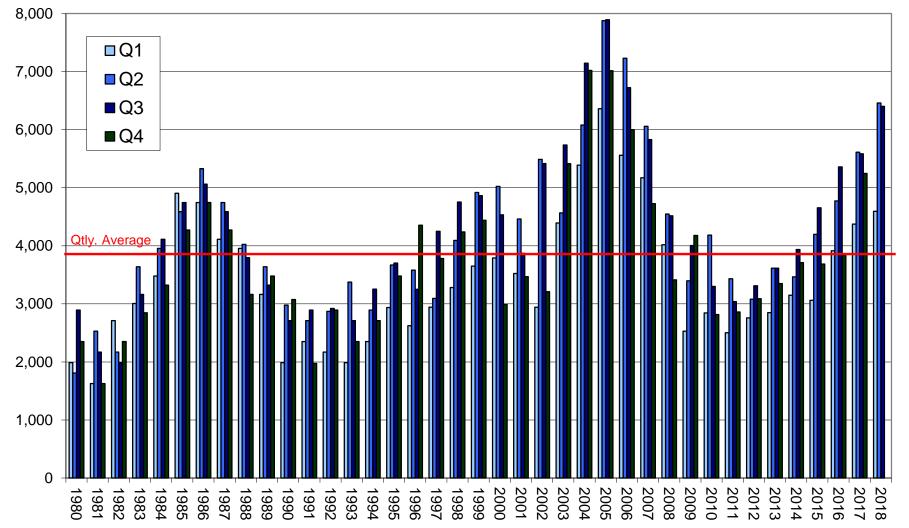
<sup>\*</sup> Empirically estimated by Kevin C. Gillen, PhD © 2018 Drexel University | Kevin.C.Gillen@Drexel.edu

#### **Average House Price Minus Median House Price: 1980-2018**



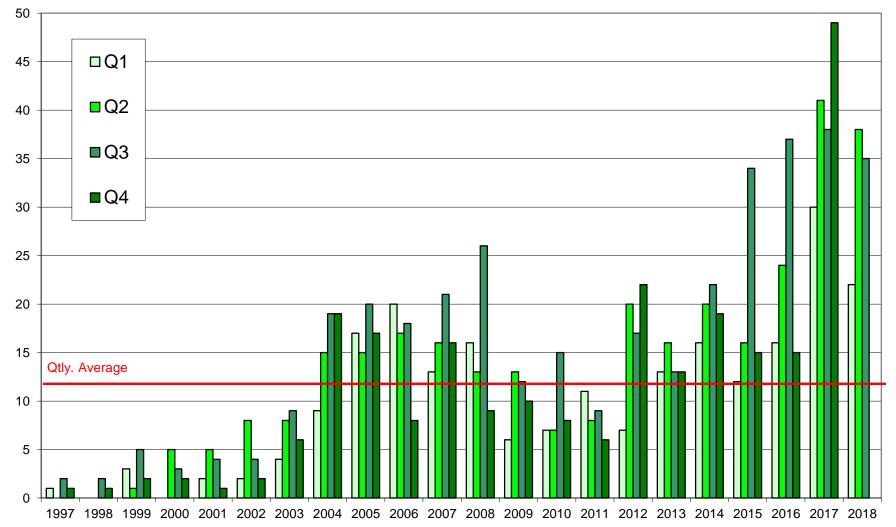


#### Number of Philadelphia House Sales\* per Quarter: 1980-2018





## Number of Philadelphia Home Sales\* per Quarter with Price>=\$1 Million: 1997-2018

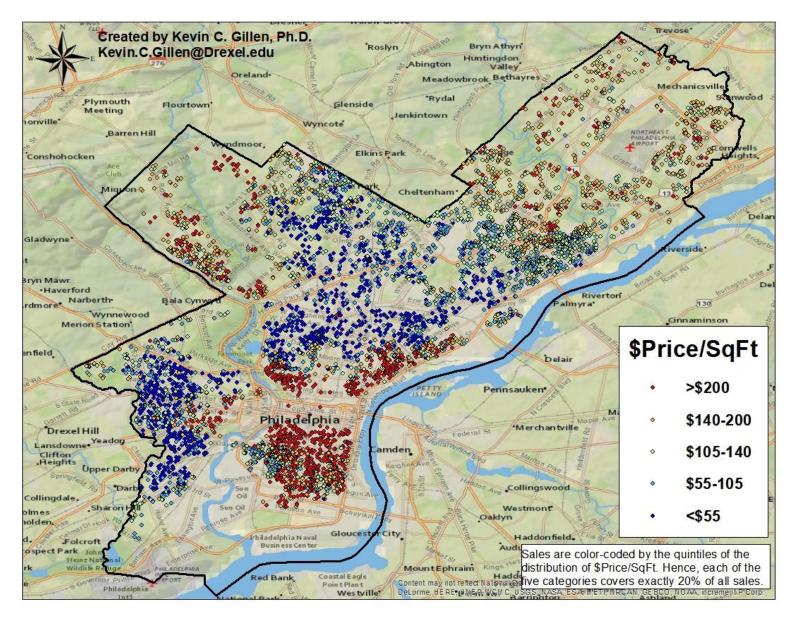






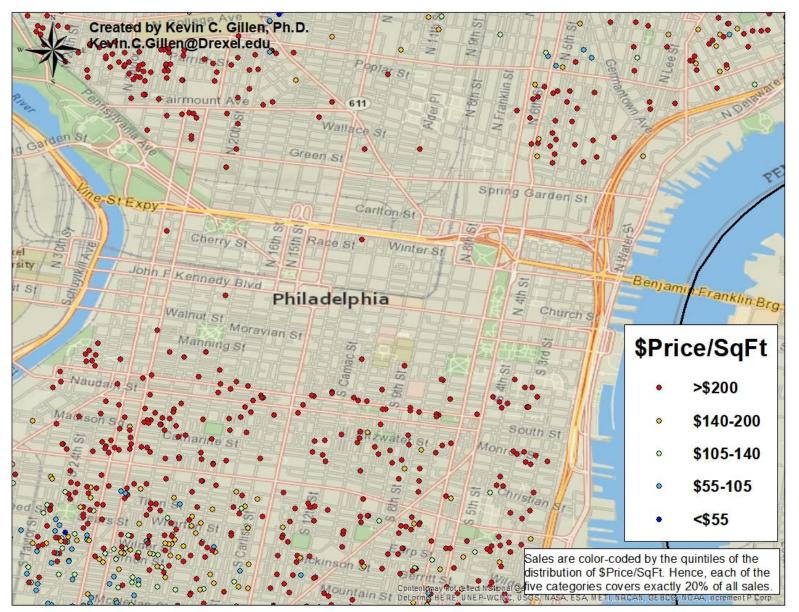


### Philadelphia House Sales in 2018 Q3



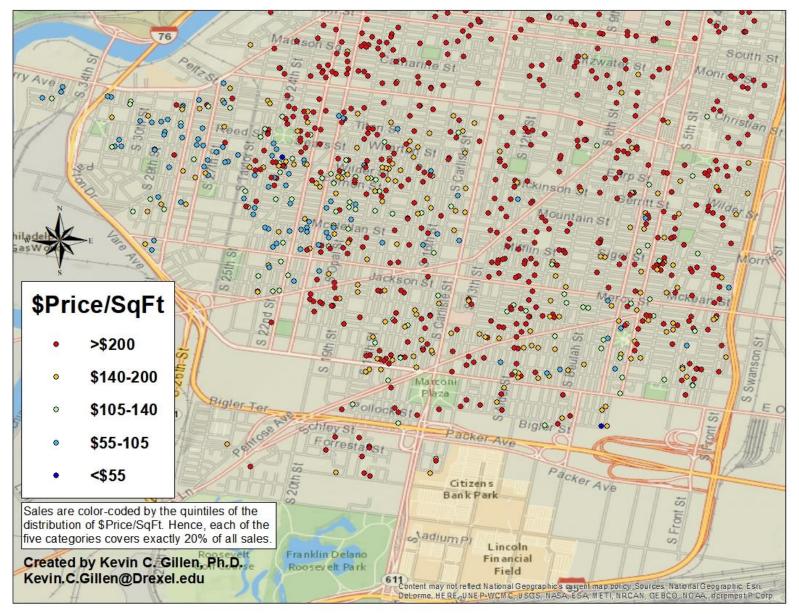


### **Center City House Sales in 2018 Q3**



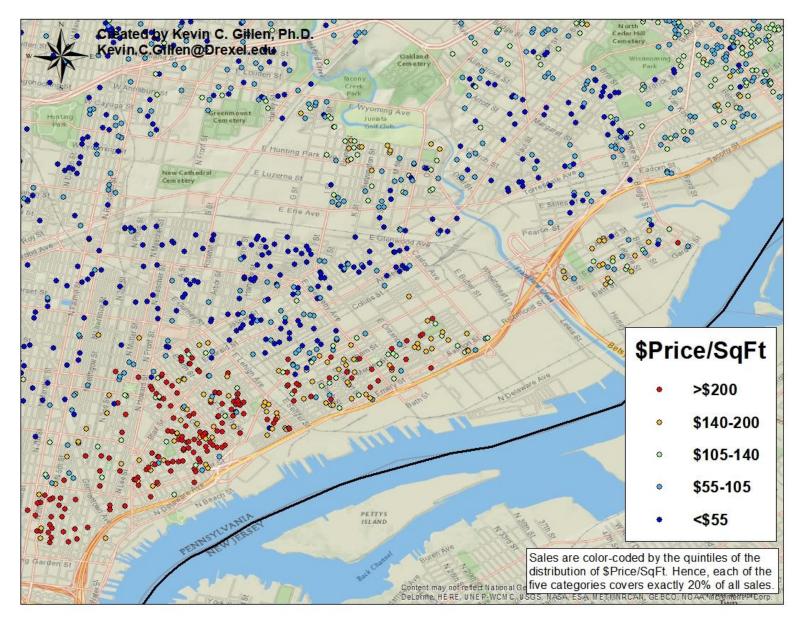


### South Philadelphia House Sales in 2018 Q3



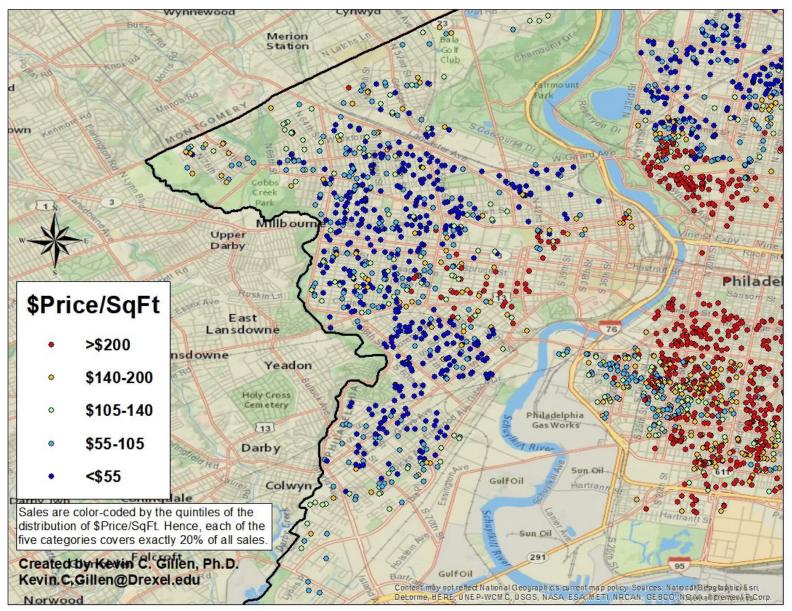


### Kensington/Frankford House Sales in 2018 Q3

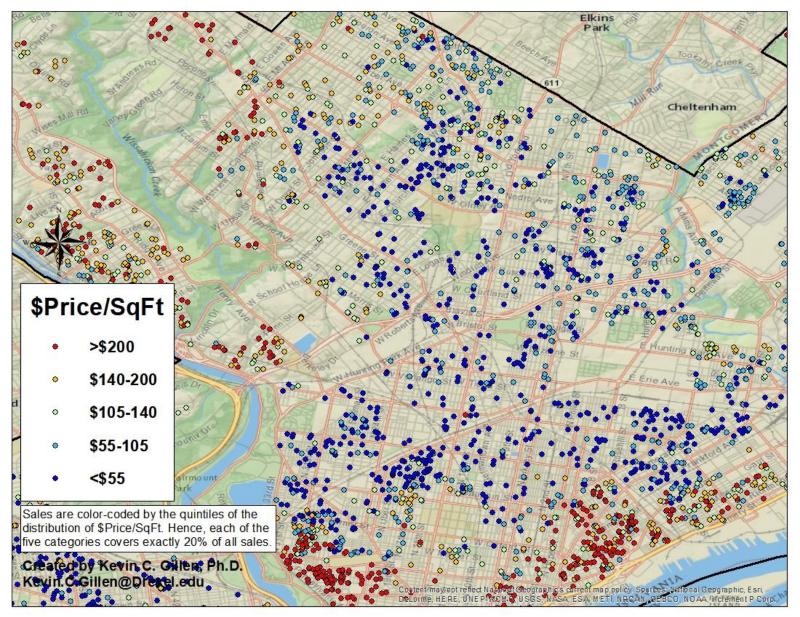




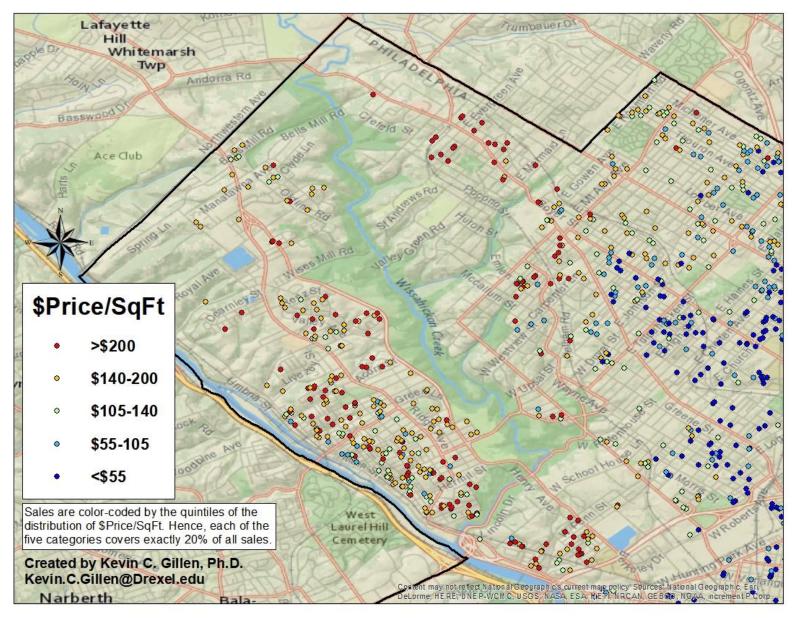
### West/SW Philadelphia House Sales in 2018 Q3



### North Philadelphia House Sales in 2018 Q3

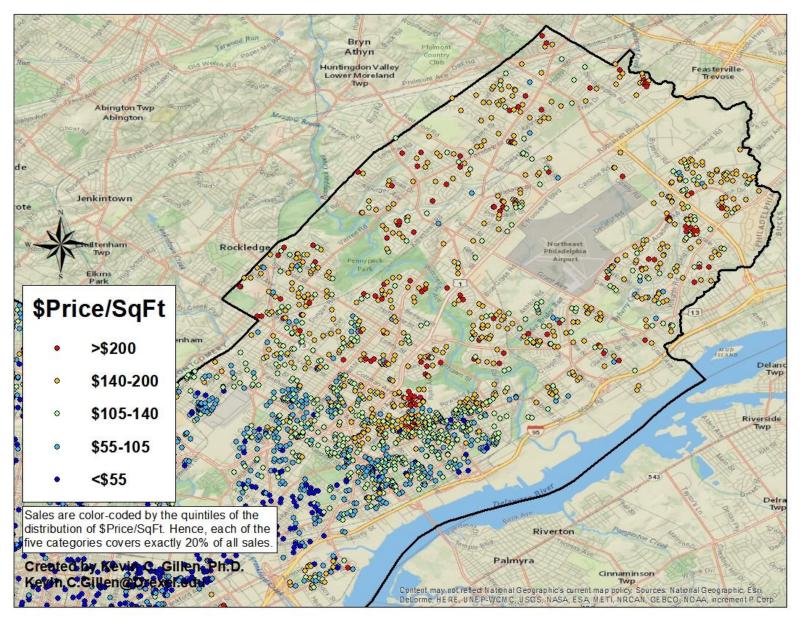


### Northwest Philadelphia House Sales in 2018 Q3

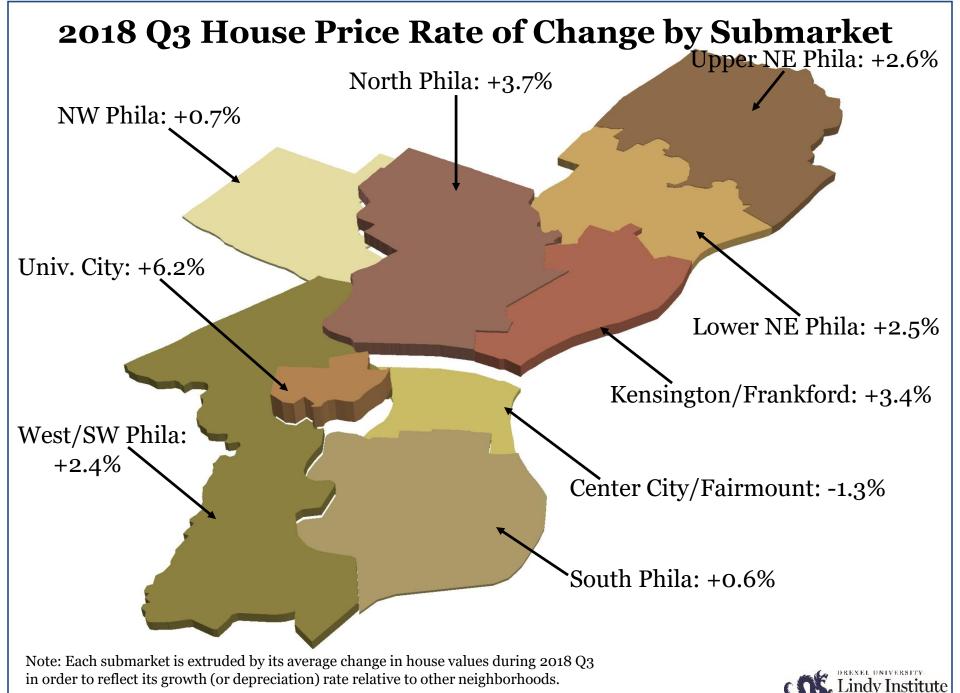




## Northeast Philadelphia House Sales in 2018 Q3

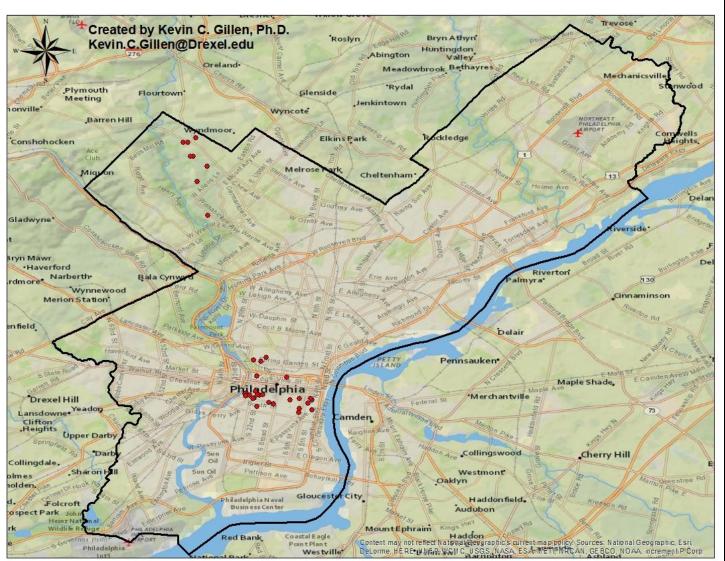






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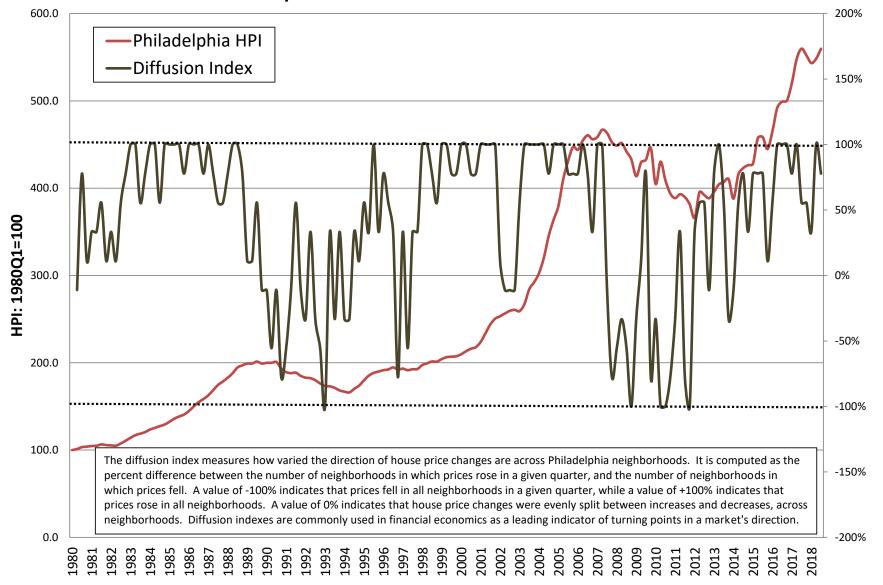
### +\$1 Million Dollar House Sales in 2018 Q3



PRICE	ADDRESS
\$1,000,000	7703 LINCOLN DR
\$1,000,000	2007 NORTH ST
\$1,025,000	613 PEMBERTON ST
\$1,025,000	7612 CHEROKEE ST
\$1,050,000	2428 PINE ST
\$1,050,000	1601 KATER ST
\$1,070,000	801 S 20TH ST
\$1,150,000	2122 GREEN ST
\$1,161,500	352 S 04TH ST
\$1,189,578	708 S AMERICAN ST
\$1,200,000	8300 NAVAJO ST
\$1,218,000	31 SUMMIT ST
\$1,235,000	2112 LOMBARD ST
\$1,237,618	1923 DELANCEY PL
\$1,250,000	622 CATHARINE ST
\$1,310,000	2061 LOMBARD ST
\$1,320,400	1831 SPRUCE ST
\$1,370,000	1232 SUMMER ST
\$1,375,000	8319 SEMINOLE AVE
\$1,500,000	316 S 10TH ST
\$1,500,000	18 LAUGHLIN LN
\$1,510,000	1012 WESTVIEW AVE
\$1,514,000	2420 SPRUCE ST
\$1,520,000	1433 BAINBRIDGE ST
\$1,525,000	262 S 03RD ST
\$1,530,000	318 SAINT JAMES PL
\$1,550,000	2101 LOCUST ST
\$1,663,000	20 W CHESTNUT HI AVE
\$1,727,300	2221 PINE ST
\$1,865,500	711 SPRUCE ST
\$1,875,000	2130 RACE ST
\$2,400,000	2324 GREEN ST
\$2,503,000	2502 DELANCEY PL
\$2,750,000	713 SPRUCE ST
\$2,905,000	2016 SPRUCE ST

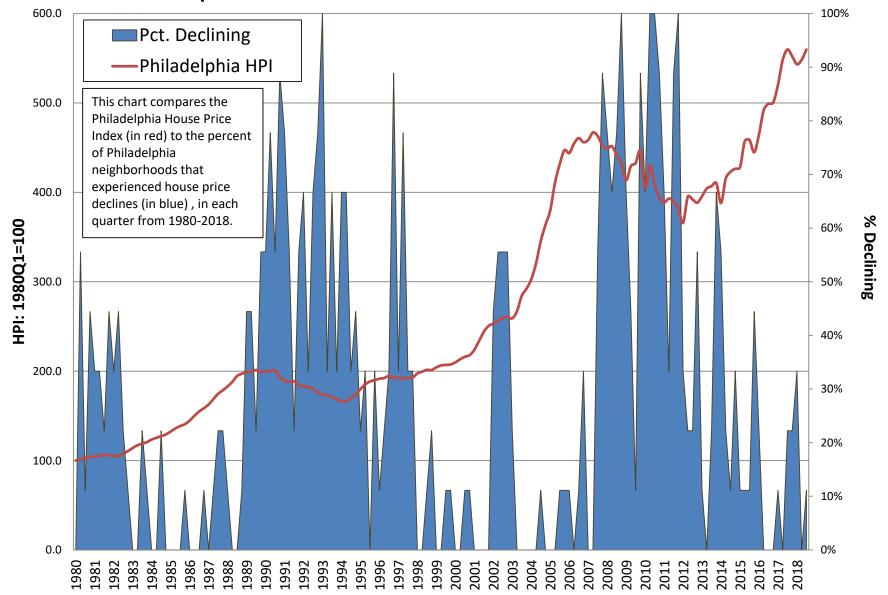


#### Philadelphia House Price Diffusion Index 1980-2018



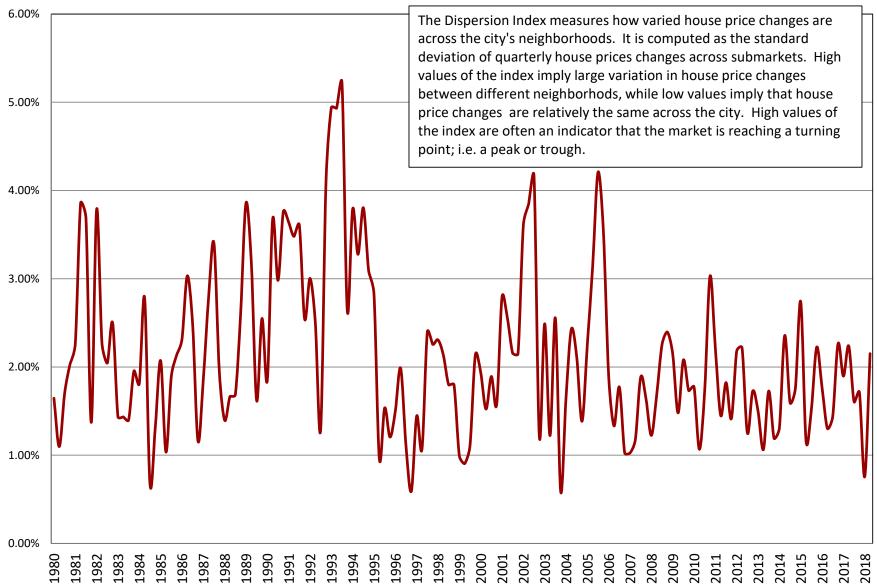


#### Philadelphia House Prices 1980-2018: Declines v. House Price Index

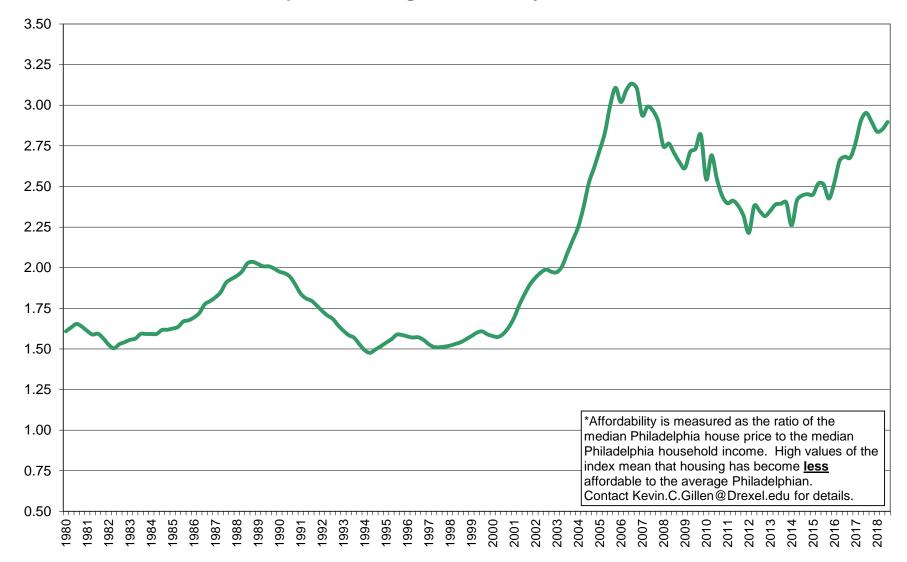




#### **Dispersion Index of Philadelphia Housing**

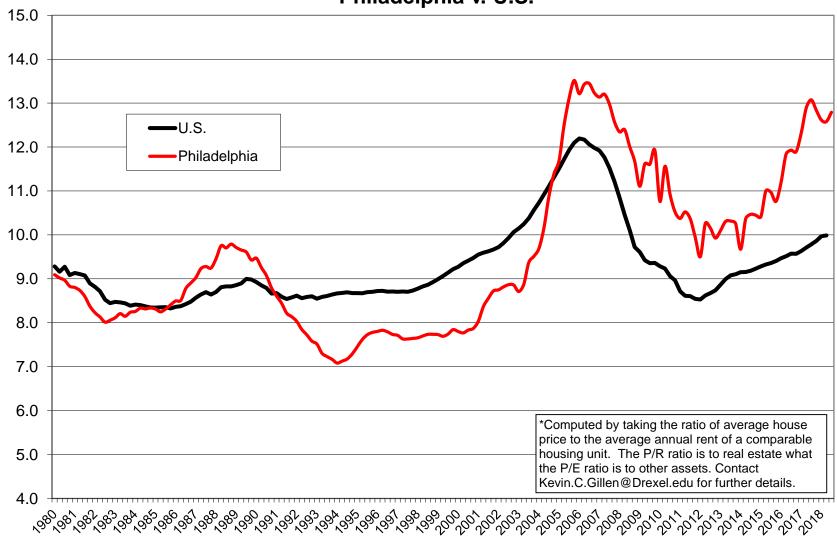


#### Philadelphia Housing Affordability\* Index: 1980-2018



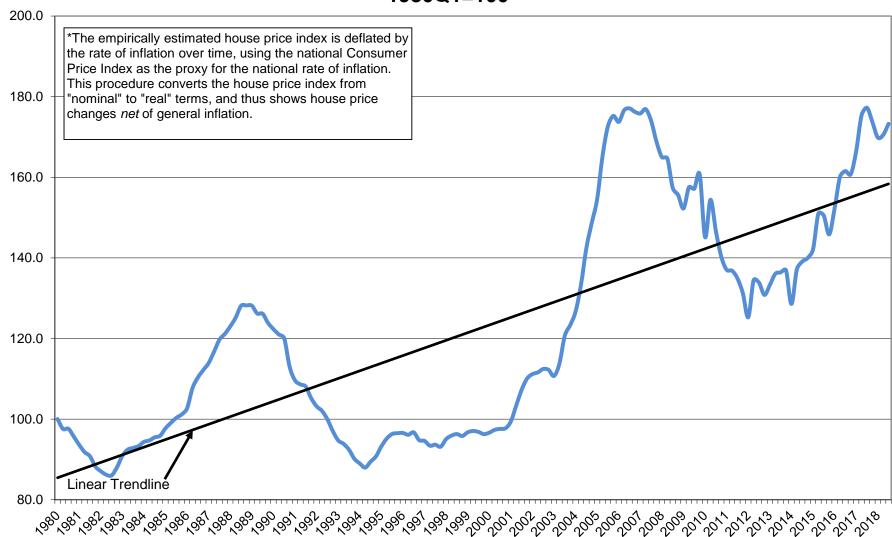


## Average House Price-to-Rent Ratios\*: 1980-2018 Philadelphia v. U.S.



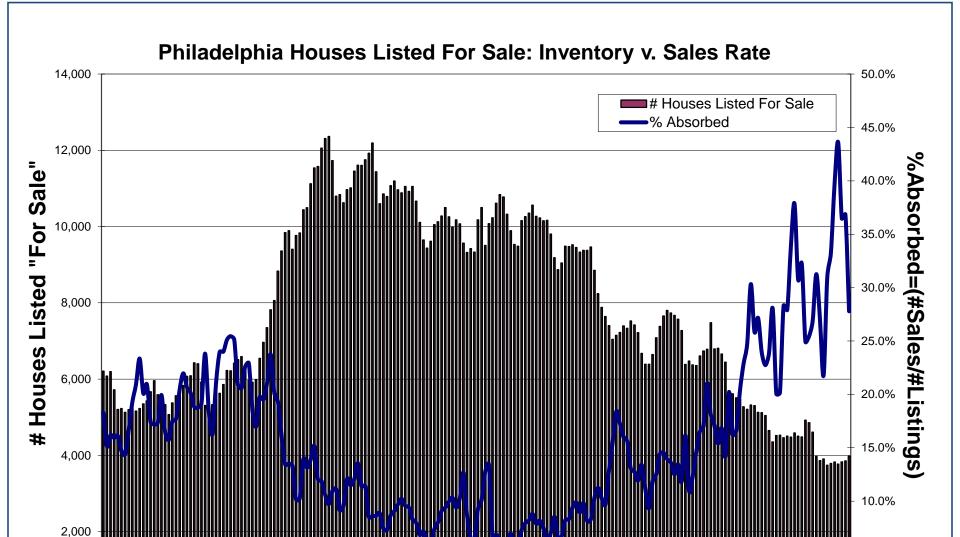


## Inflation-Adjusted\* Philadelphia House Price Index 1980-2018 1980Q1=100



Source: US Bureau of Labor Statistics



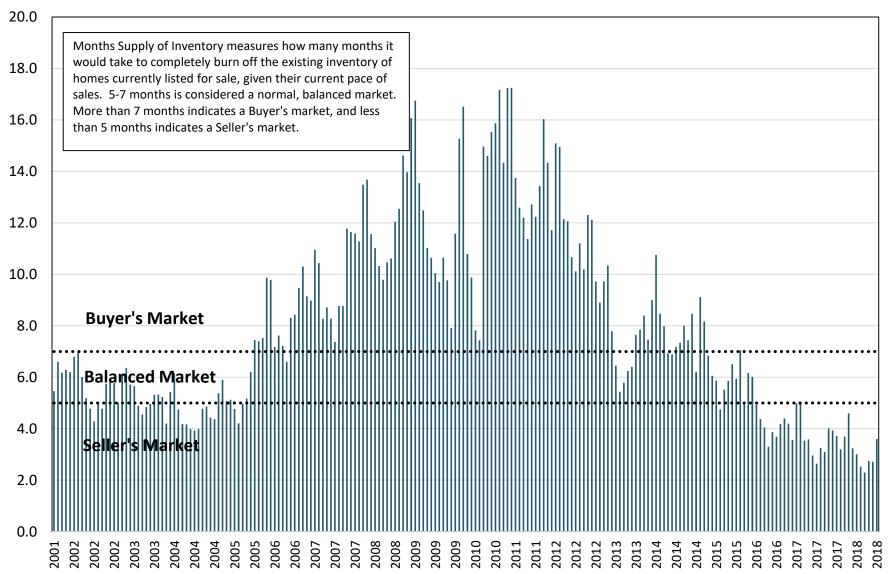


"%Absorbed" is defined as the percent of homes listed for sale in a given month that also sold in that same month.

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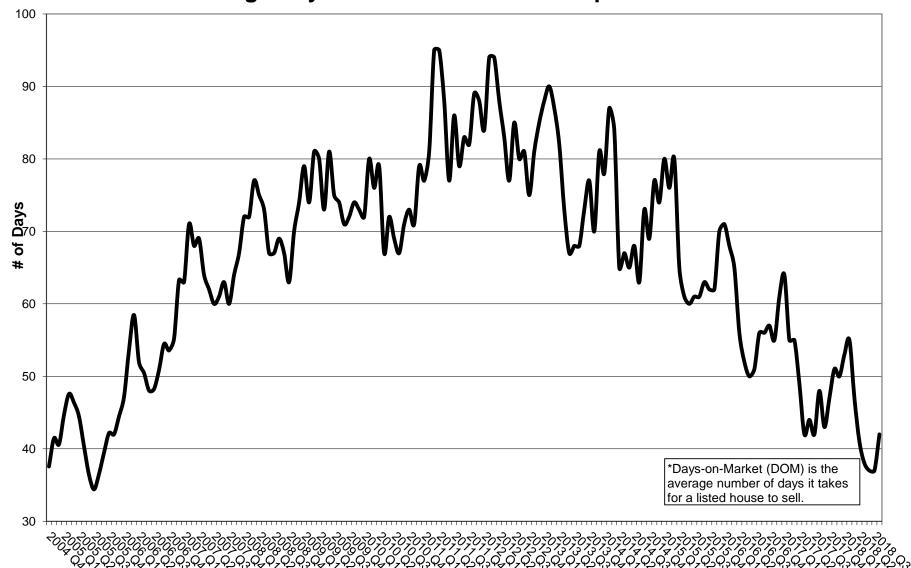
5.0%

#### Months Supply of Inventory in Philadelphia



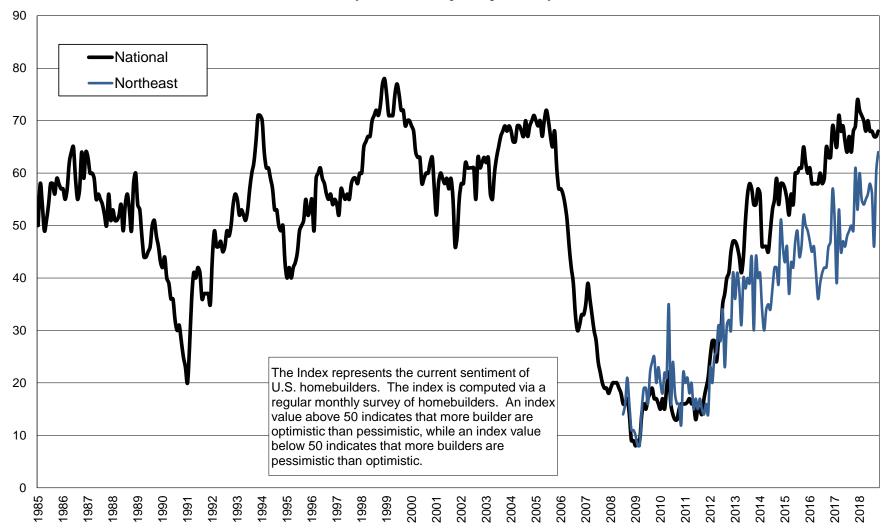


#### **Average Days-on-Market\* for Philadelphia Homes**





## Index of Homebuilder Sentiment: 1985-2018 (Seasonally Adjusted)



Source: National Assoc. of Homebuilders (NAHB)/Wells Fargo



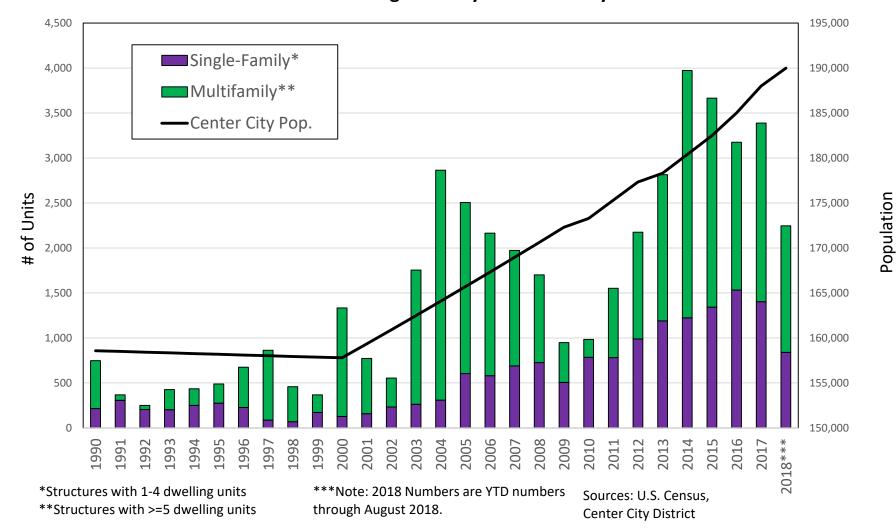
#### Philadelphia Stock Exchange Housing Sector Index: 2002-2018



Source: finance.yahoo.com



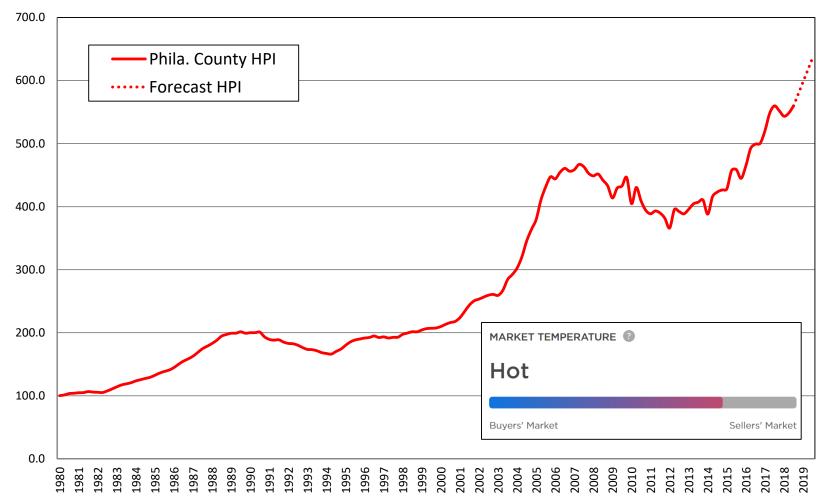
## Building Permits Issued for Construction of Residential Units in Philadelphia 1990-2018: Single-Family v. Multifamily





## Philadelphia House Price Index and 1-Year Forecast

#### Philadelphia House Price Index: Actual v. Forecast



Zillow.com is currently forecasting Philadelphia house prices to rise an average of 12.8% over the course of the next twelve months. This is a slight downgrade from its previous forecast of 13.4% made three months ago. Zillow also currently rates the temperature of Philadelphia's housing market as "Hot", but its level of hotness is slightly less than its level of three months' ago.

Source: http://www.zillow.com/philadelphia-pa/home-values/

