# PHILADELPHIA HOUSE PRICE INDICES

## October 20, 2015



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### **MEYERS RESEARCH**

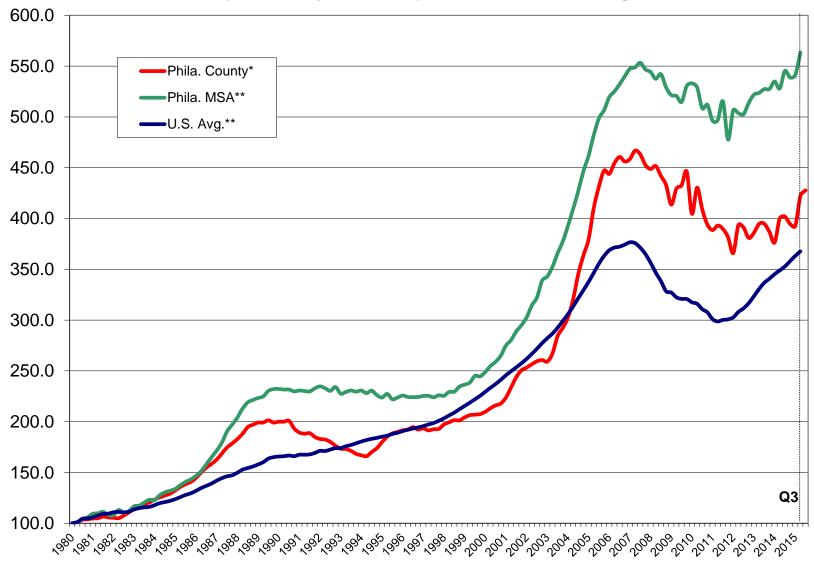
a Kennedy Wilson Company

**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 Lindy Senior Research Fellow Kevin Gillen, in association with Meyers Research LLC. 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.

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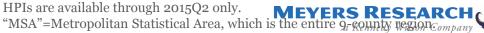


#### House Price Indices 1980-2015: 1980Q1=100 Philadelphia County v. Philadelphia MSA and U.S. Average



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

HPIs are available through 2015Q2 only.





<sup>\*\*</sup>Courtesy of the Federal Housing Finance Agency (FHFA).

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

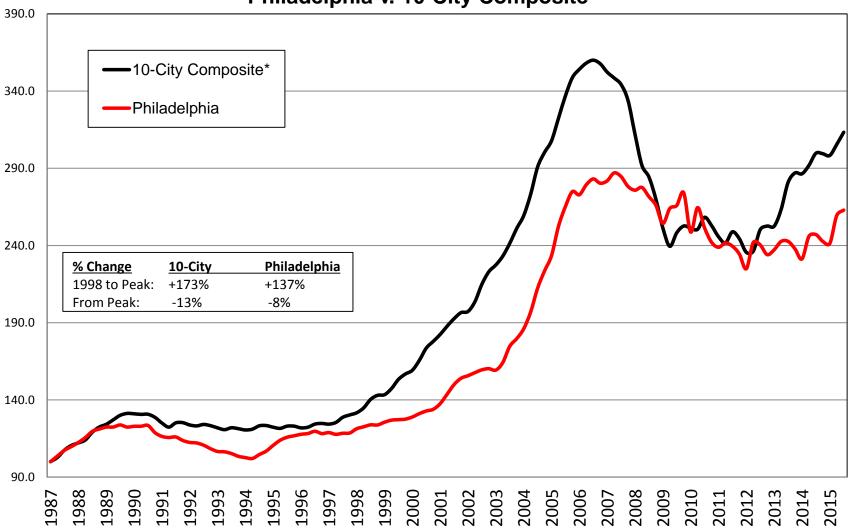
Period	Philadelphia County*	Philadelphia MSA**	U.S.A.**
36-Year	145.3%	172.9%	130.2%
10-Year	-0.9%	15.6%	5.9%
1-Year	6.2%	6.5%	<b>5.2</b> %
1-Quarter	1.3%	4.1%	1.2%

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



<sup>\*\*</sup>Source: U.S. Federal Housing Finance Agency (FHFA). These numbers are through 2015Q2 only. "MSA"="Metropolitan Statistical Area", which is the entire 10-county region.

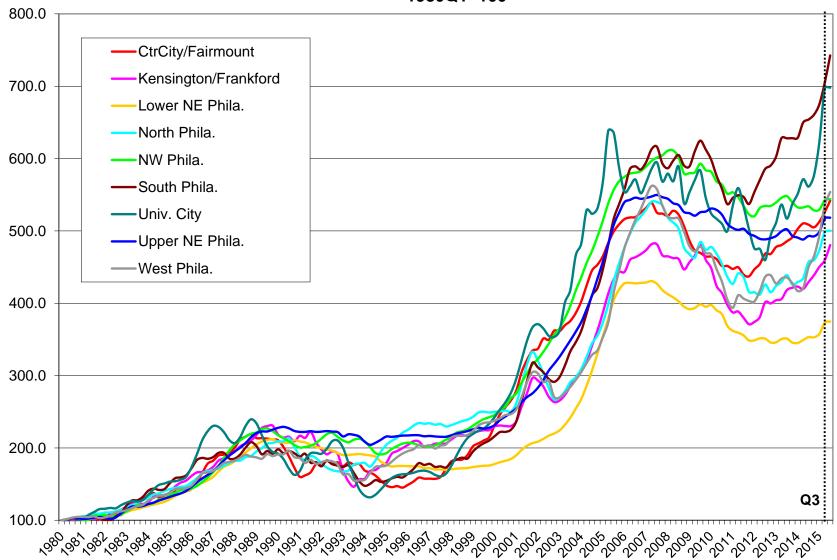
## House Price Appreciation 1987-2015: Philadelphia v. 10-City Composite



<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.



## Philadelphia House Price Indices by Neighborhood: 1980-2015 1980Q1=100





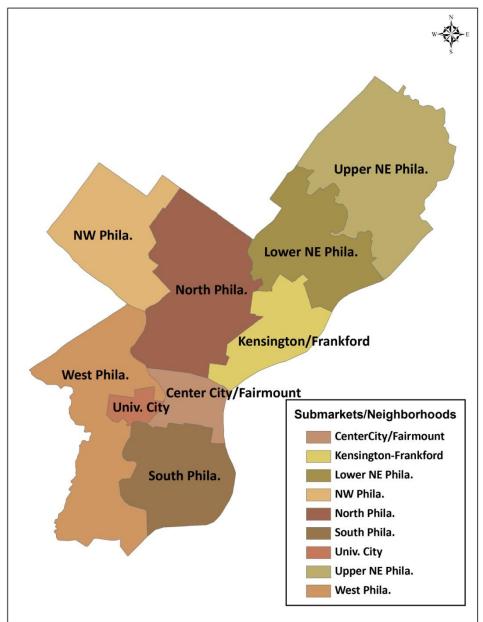
<sup>\*</sup> All indices empirically estimated by Kevin C. Gillen, Ph.D.

#### Philadelphia House Price Appreciation Rates by Neighborhood

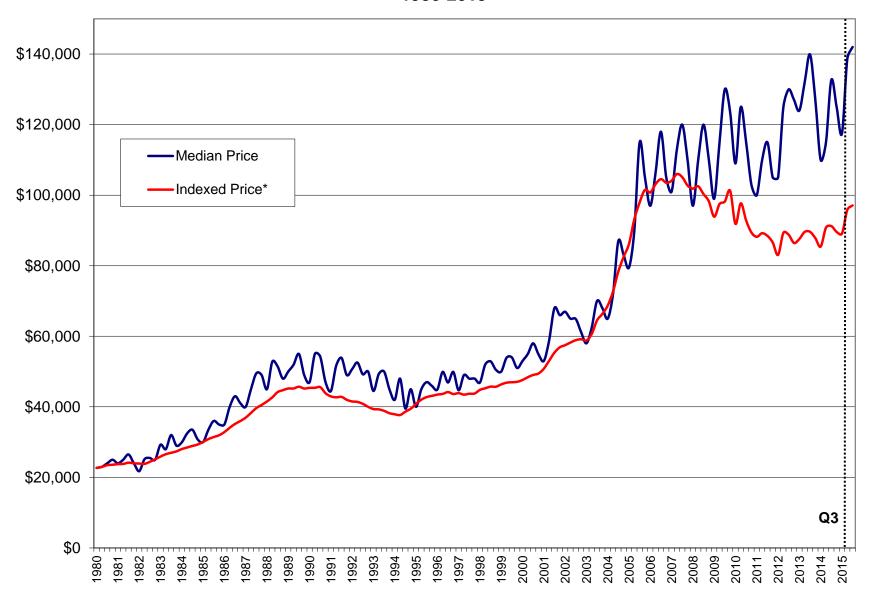
Period	Center City/ Fairmount	Kensington /Frankford	Lower NE Phila.	North Phila.	NW Phila.	South Phila.	Univ. City	Upper NE Phila.	West Phila.
36-year	169.0%	156.9%	132.1%	161.0%	169.4%	200%	194.3%	164.5%	171.2%
10-year	8.2%	10.4%	-7.6%	15.0%	-2.3%	36.3%	9.3%	2.0%	28.9%
1-Year	6.3%	11.2%	5.9%	9.0%	1.8%	12.7%	21.8%	5.0%	20.8%
1-Quarter	3.0%	4.4%	0.5%	0.4%	0.3%	5.2%	0.1%	0.3%	3.3%

This table gives the total % change in average house prices by neighborhood, through 2015 Q3, from different starting points in time.

### **Philadelphia Submarket Boundaries**



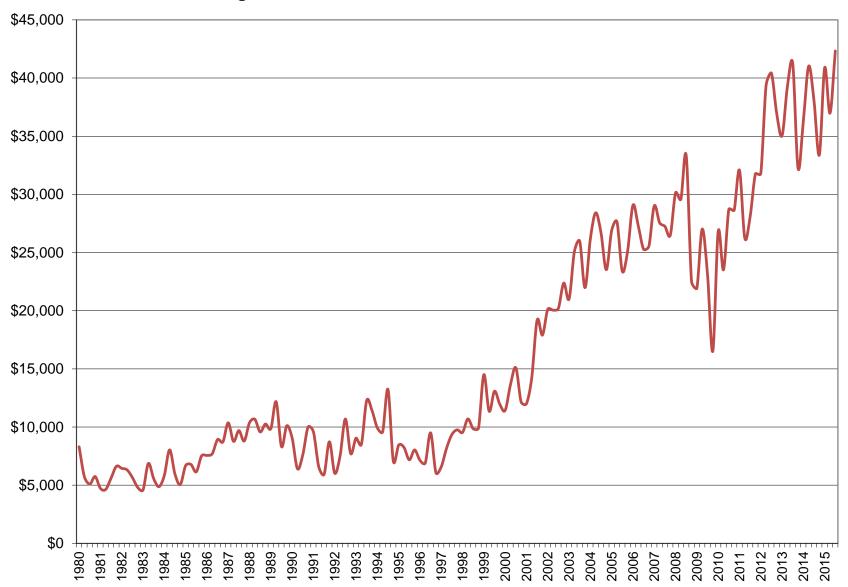
## Median Philadelphia House Price v. Indexed Philadelphia House Price 1980-2015



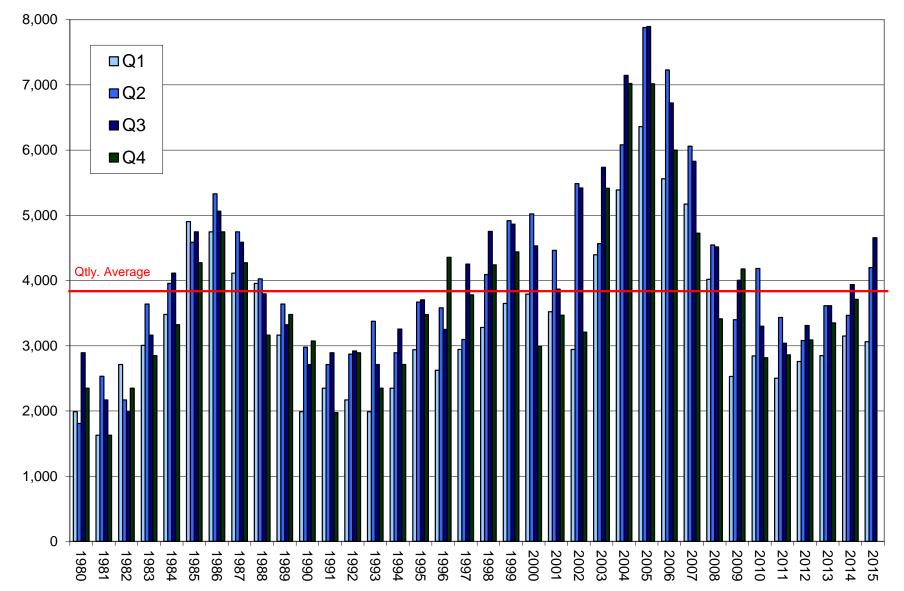
<sup>\*</sup> Empirically estimated by Kevin C. Gillen, PhD © 2015 Drexel University | Kevin.C.Gillen@Drexel.edu



#### **Average House Price Minus Median House Price: 1980-2015**



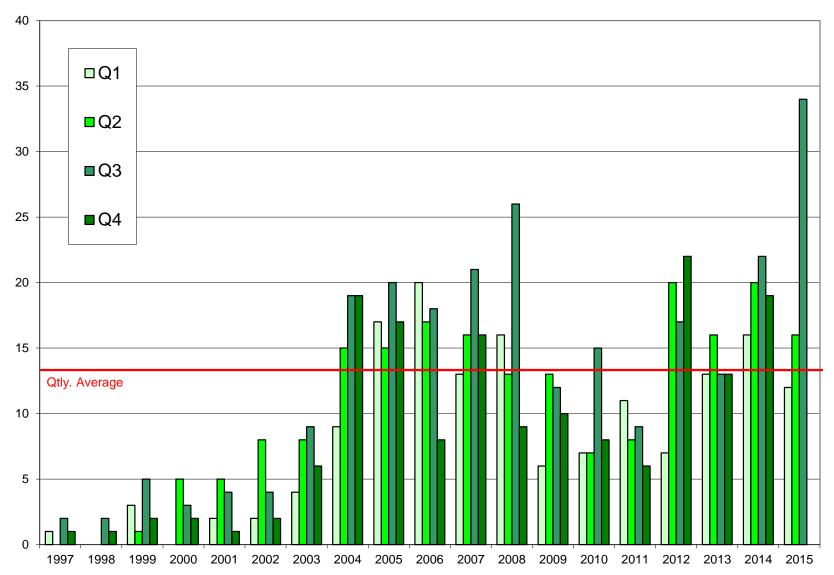
#### Number of Philadelphia House Sales\* per Quarter: 1980-2015

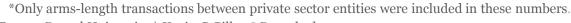






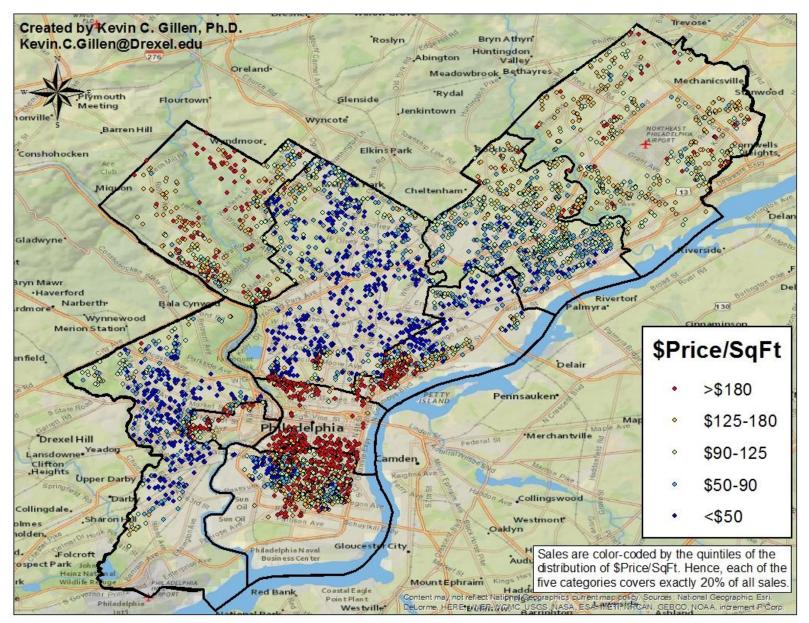
## Number of Philadelphia Home Sales\* per Quarter with Price>=\$1 Million: 1997-2015



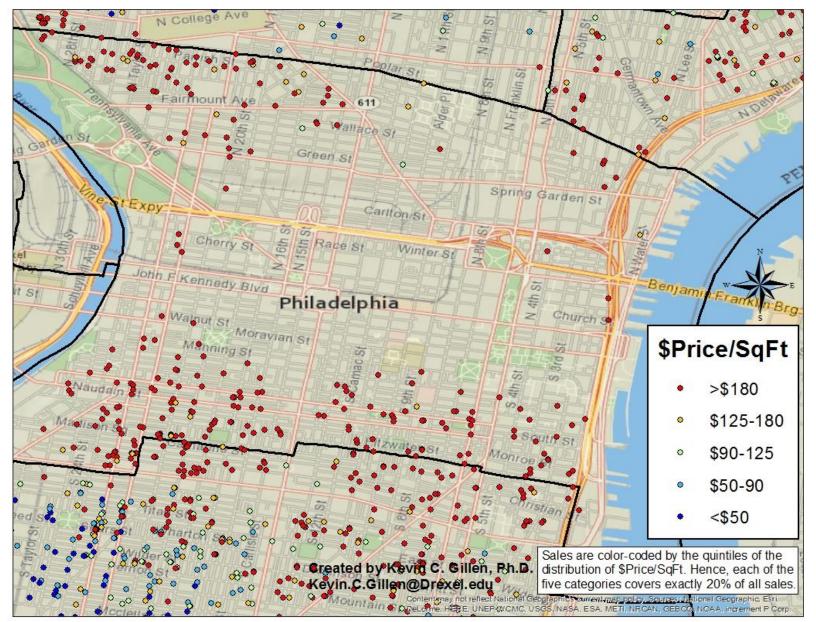




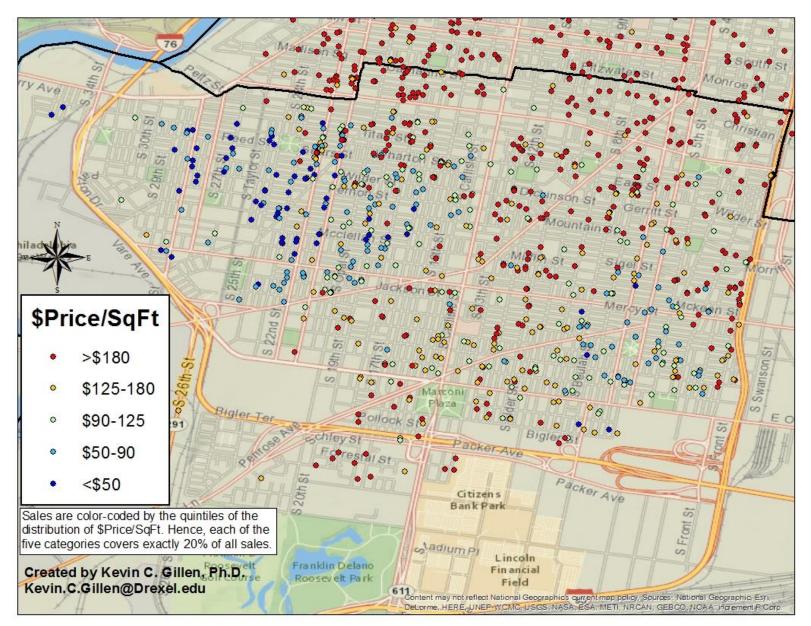
#### Philadelphia House Sales in 2015 Q3



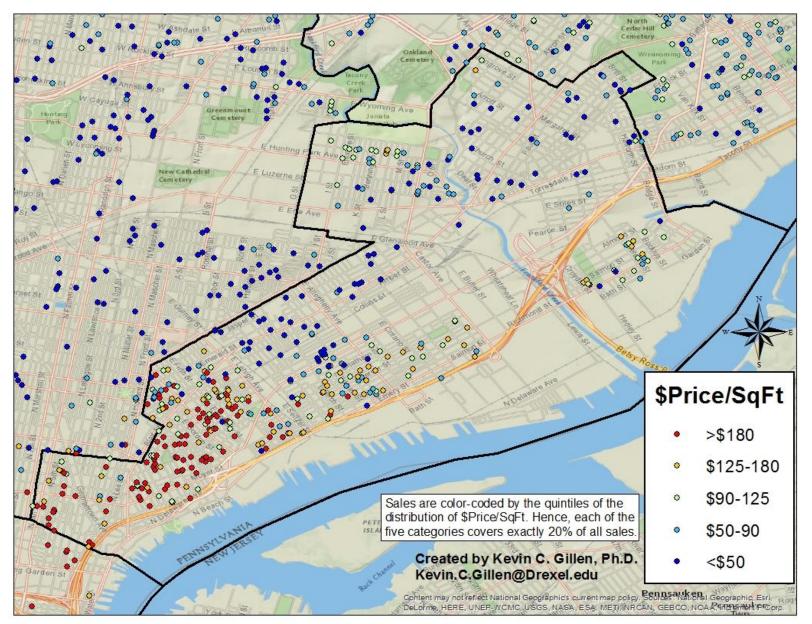
### **Center City House Sales in 2015 Q3**



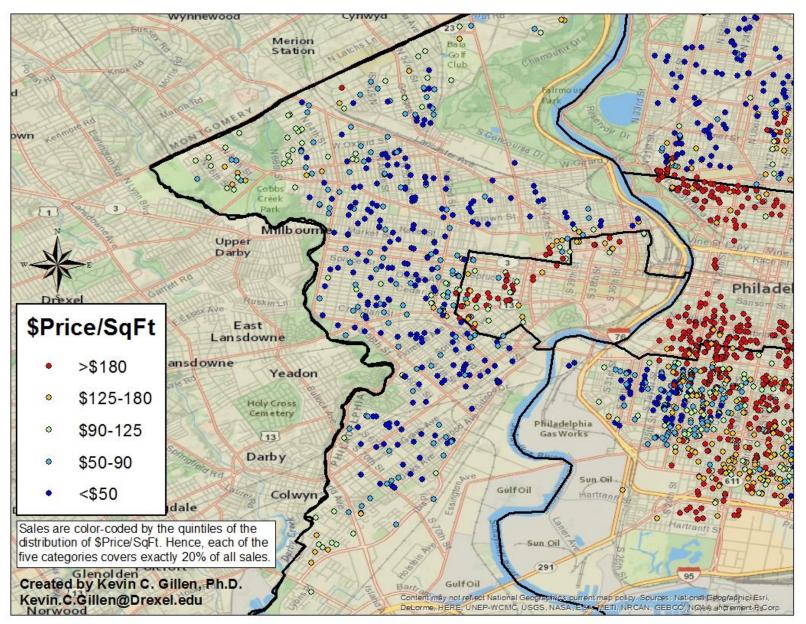
### South Philadelphia House Sales in 2015 Q3



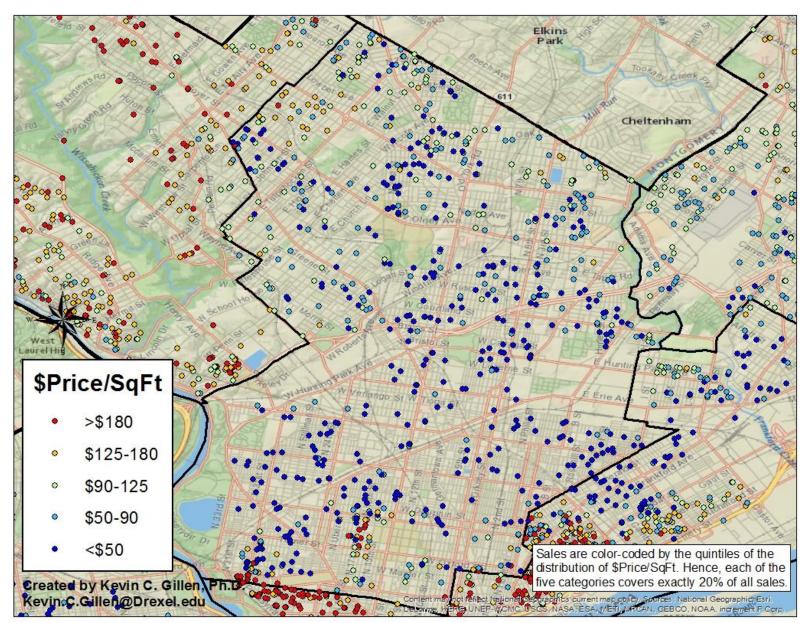
### Kensington/Frankford House Sales in 2015 Q3



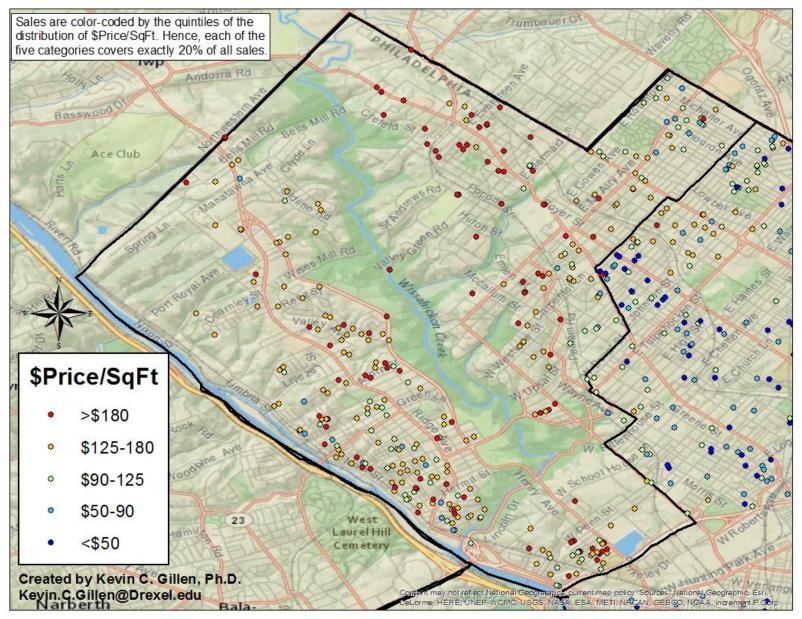
### West Philadelphia House Sales in 2015 Q3



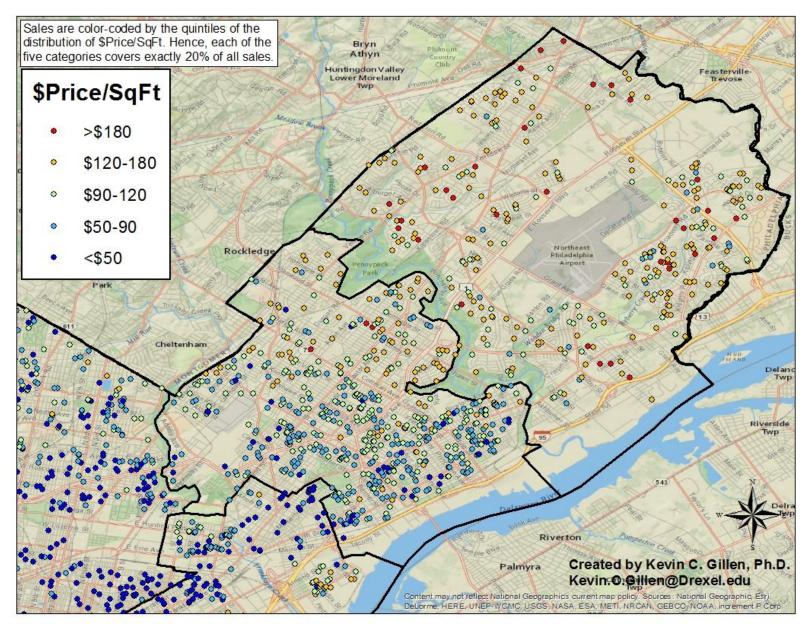
### North Philadelphia House Sales in 2015 Q3

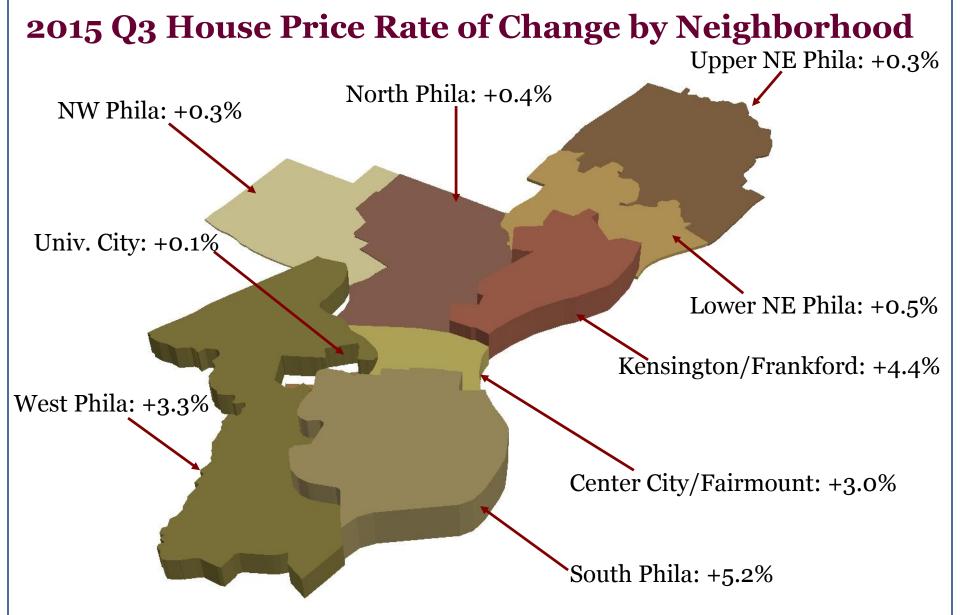


### Northwest Philadelphia House Sales in 2015 Q3



### Northeast Philadelphia House Sales in 2015 Q3

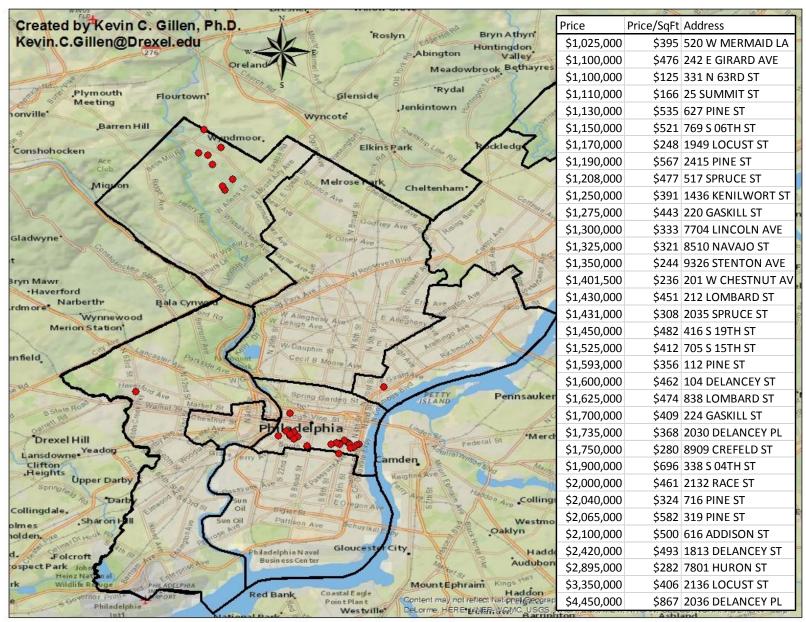




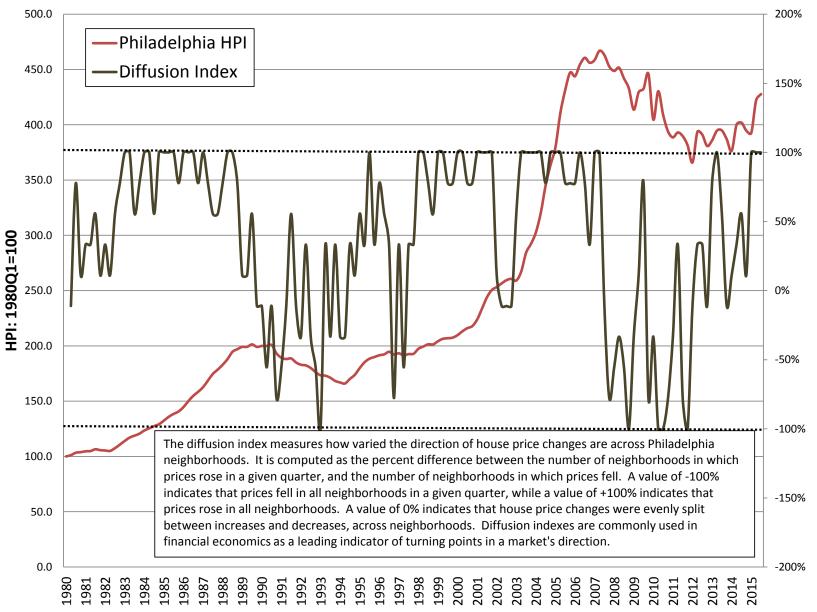
Note: Each neighborhood is extruded by its average change in house values during  $2015\ Q3$  in order to reflect its growth (or depreciation) rate relative to other neighborhoods.



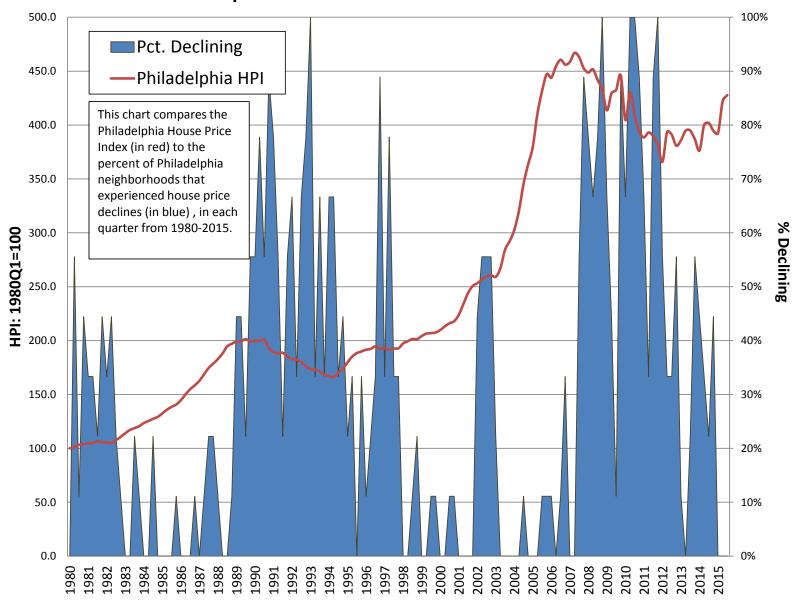
#### +\$1 Million Dollar House Sales in 2015 Q3



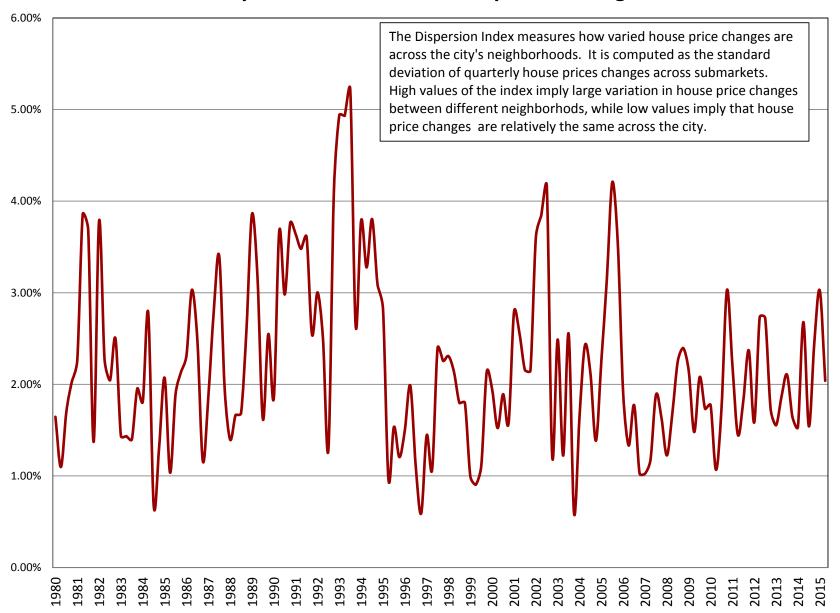
#### **Philadelphia House Price Diffusion Index**



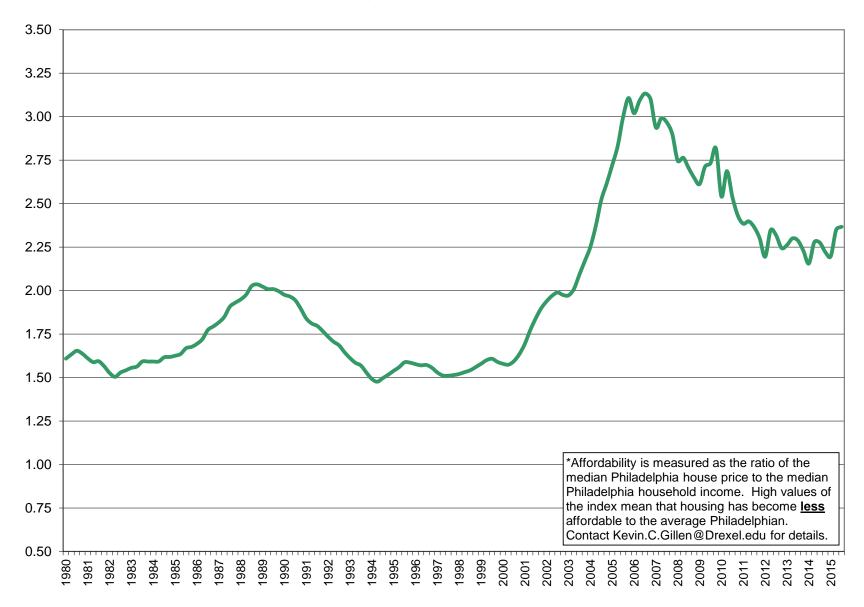
#### Philadelphia House Prices: Declines v. House Price Index



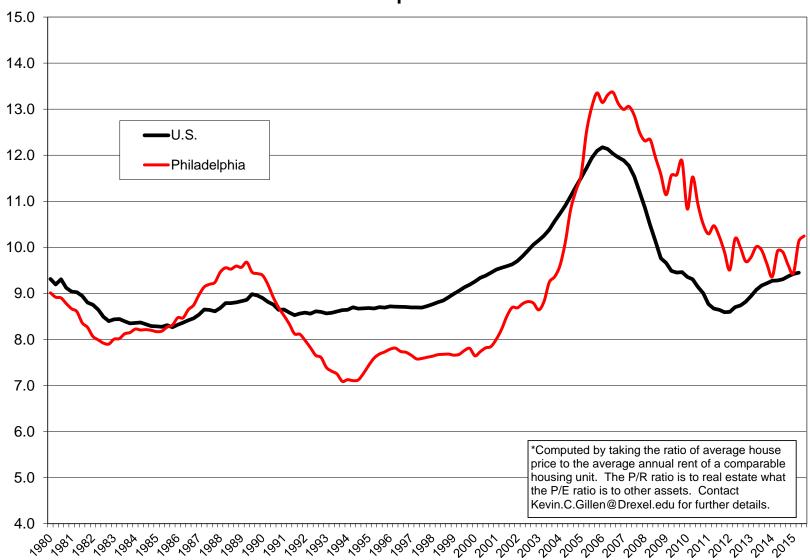
#### **Dispersion Index of Philadelphia Housing**



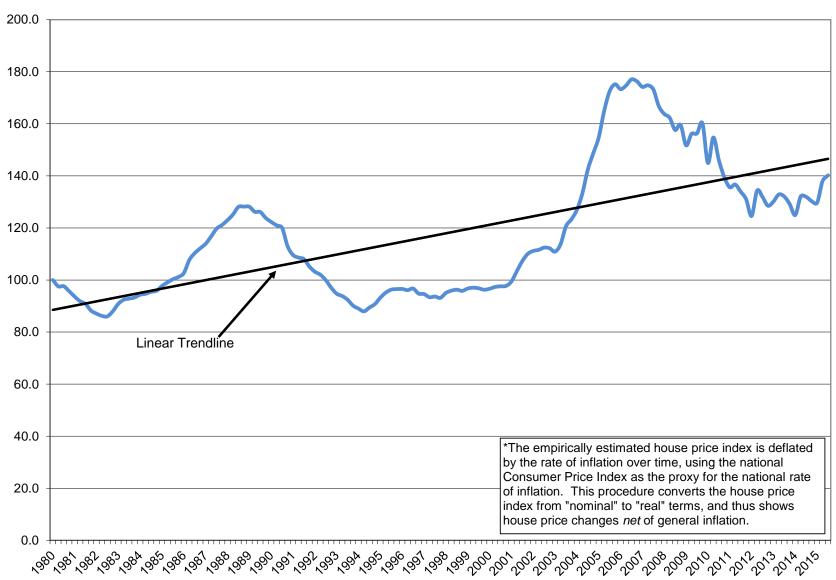
#### Philadelphia Housing Affordability\* Index: 1980-2015



## Average House Price-to-Rent Ratios\*: 1980-2015 Philadelphia v. U.S.



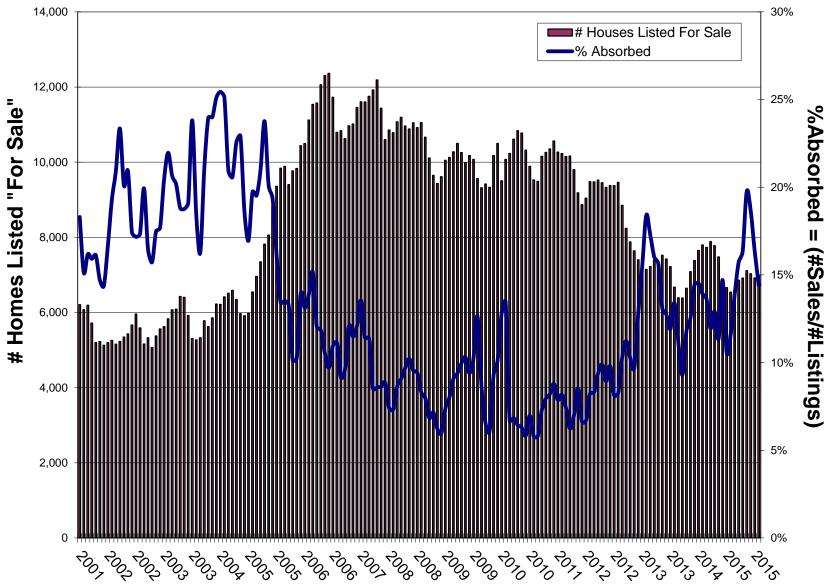
## Inflation-Adjusted\* Philadelphia House Price Index 1980-2015 1980Q1=100



Source: US Bureau of Labor Statistics



#### Philadelphia Houses Listed For Sale: Inventory v. Absorption Rate



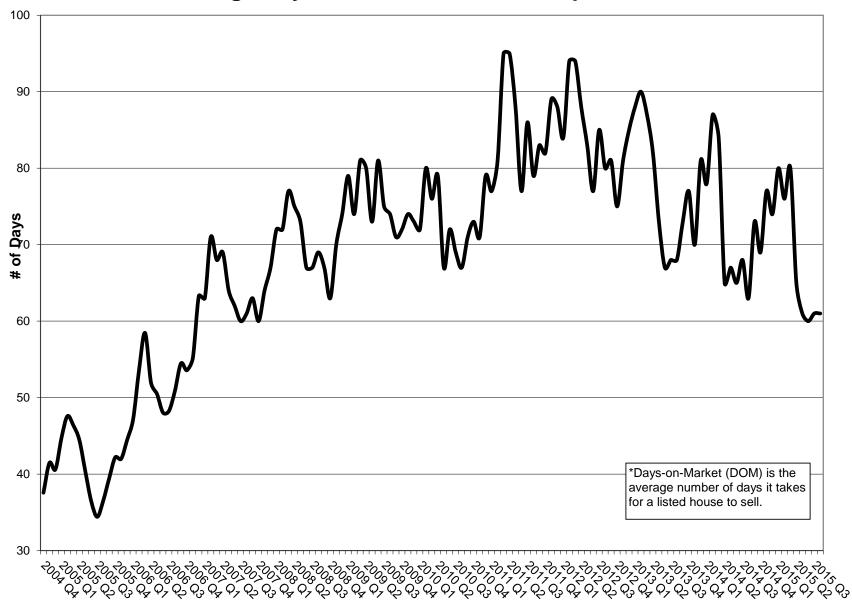
Source: Trend MLS

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

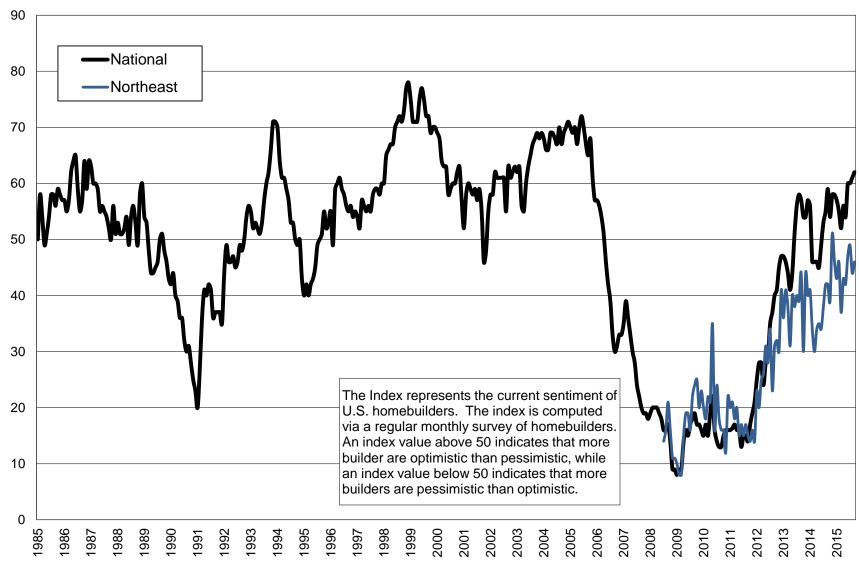
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#### **Average Days-on-Market\* for Philadelphia Homes**



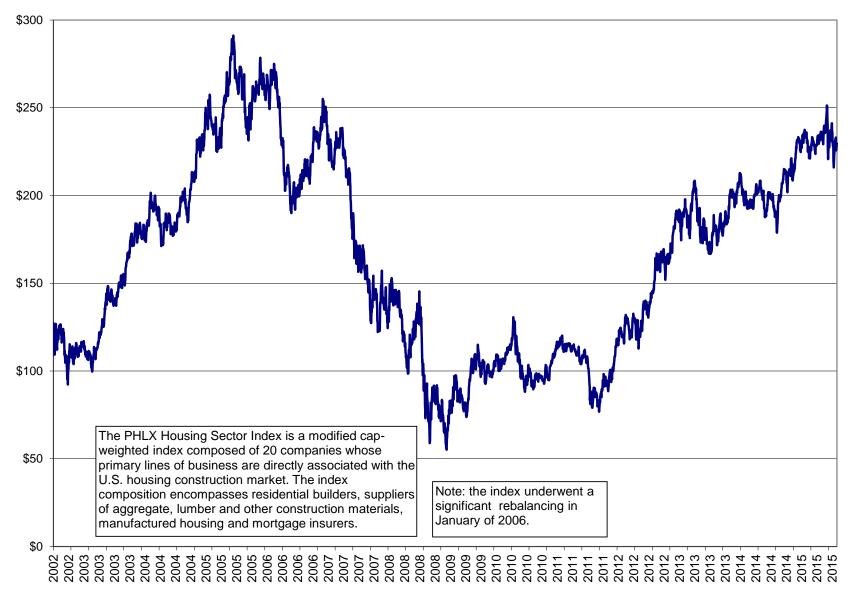
## Index of Homebuilder Sentiment: 1985-2015 (Seasonally Adjusted)



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



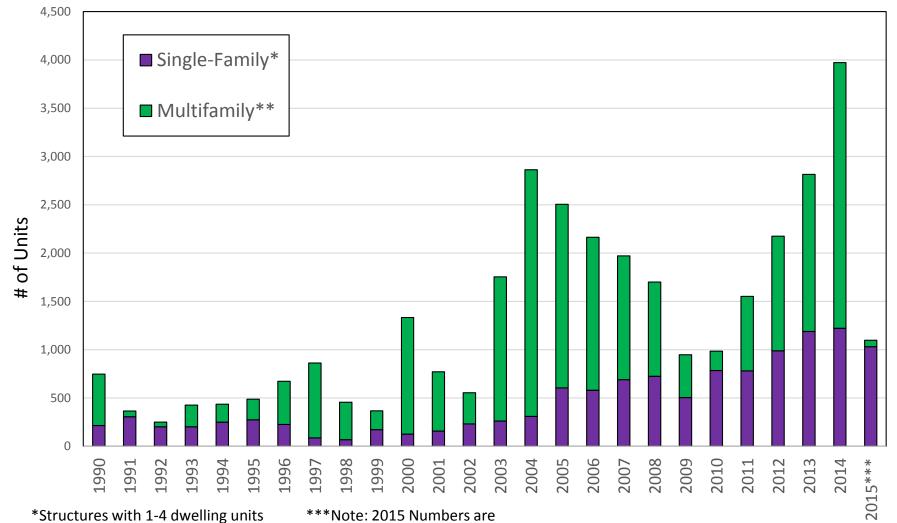
#### Philadelphia Stock Exchange Housing Sector Index: 2002-2015



Source: finance.yahoo.com



### **Building Permits Issued for Construction of Residential Units:** Single-Family v. Multifamily



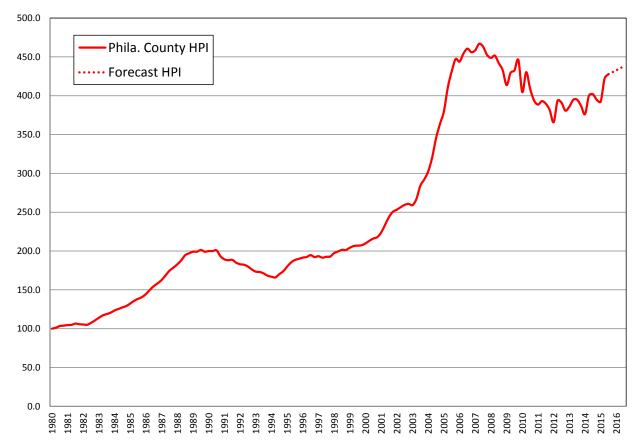


<sup>\*\*</sup>Structures with >=5 dwelling units

extrapolated from YTD numbers.

## Philadelphia House Price Index and 1-Year Forecast





Zillow.com is currently forecasting Philadelphia house prices to rise an average of 2.4% over the next year, which is a slight upgrade from its previous annual forecast of 2.3% made in the previous quarter.

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

