# PHILADELPHIA HOUSE PRICE INDICES

## August 8, 2016

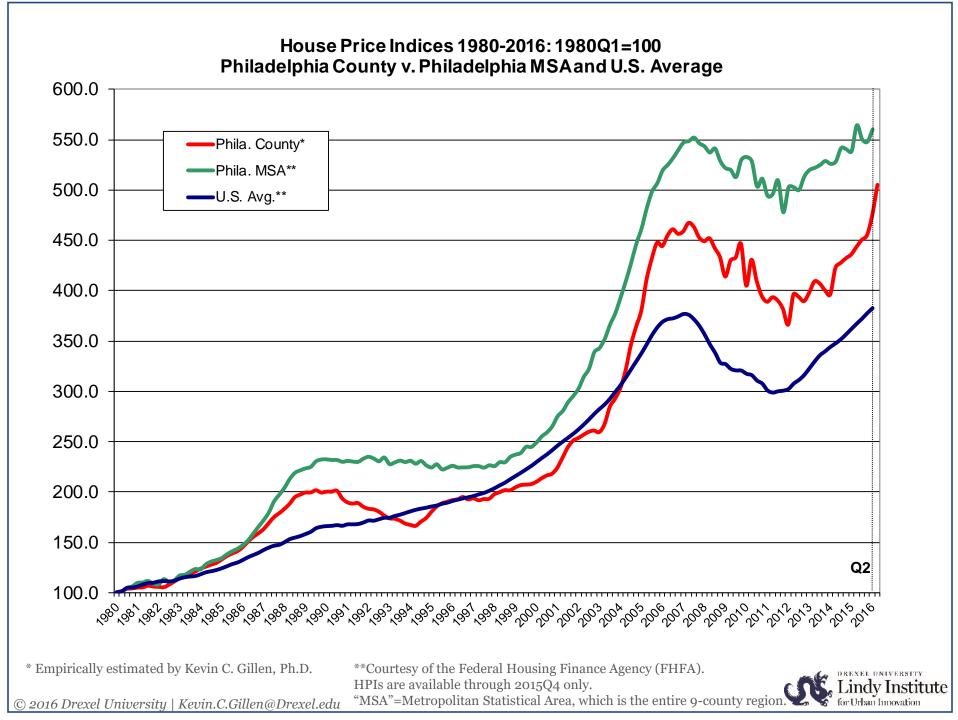
**CONSTRUCTOR** DREXEL UNIVERSITY Lindy Institute for Urban Innovation

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**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.





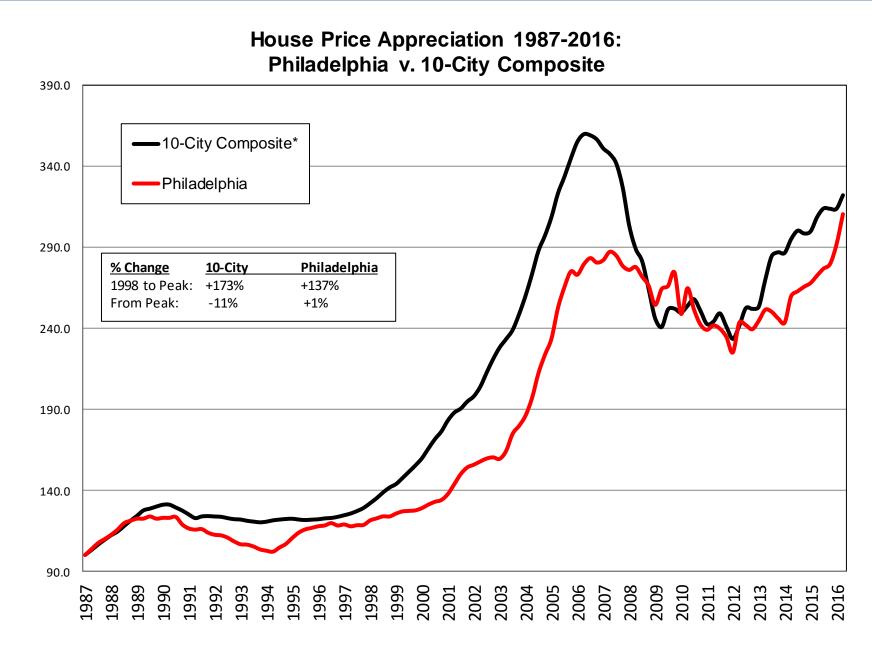
### **Total House Price Appreciation Rates by Geographic Market**

Period	Philadelphia County*	Philadelphia MSA**	<b>U.S.A.</b> **
37-Year	161.9%	172.4%	134.1%
10-Year	10.5%	7.6%	3.6%
1-Year	13.0%	4.0%	5.5%
1-Quarter	6.2%	2.2%	1.3%

\*Empirically estimated by Kevin C. Gillen Ph.D.

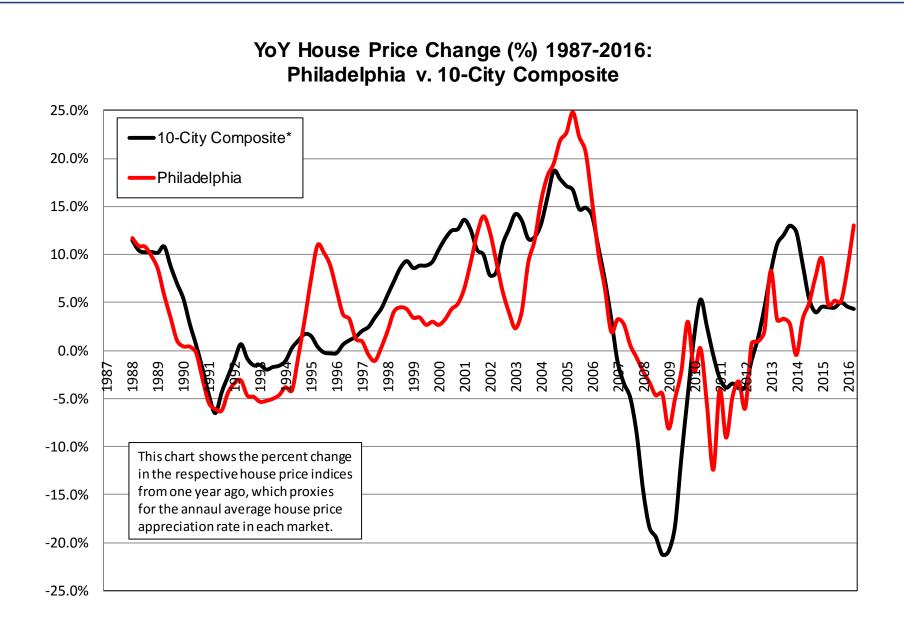
\*\*Source: U.S. Federal Housing Finance Agency (FHFA). These numbers are through 2016Q1 only. "MSA"="Metropolitan Statistical Area", which is the entire 10-county region.





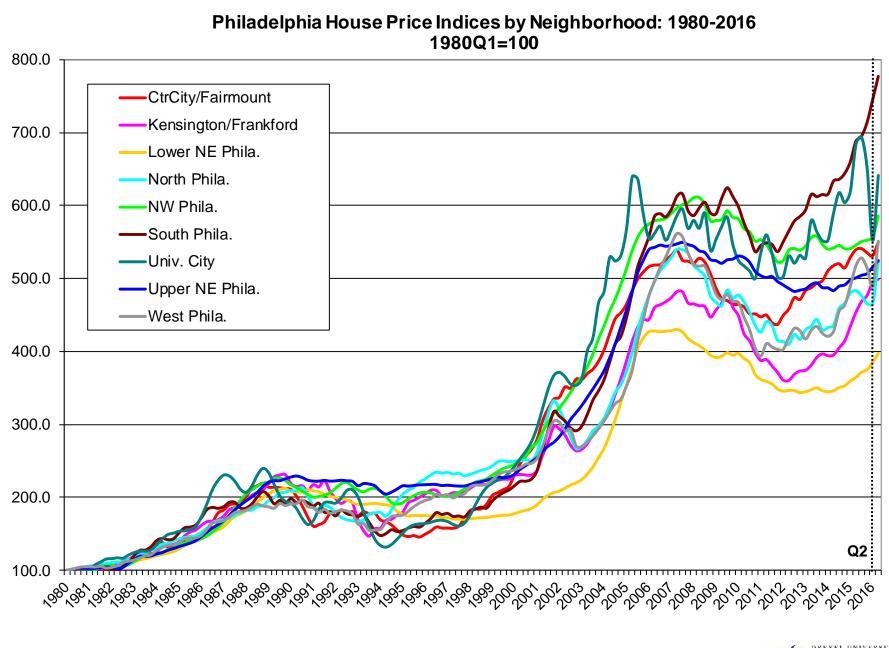
\*Source: S&P/Case-Shiller. The 10-City Composite index includes Boston, Chicago, Denver, Las Vegas, Los Angeles, Miami, New York, San Diego, San Francisco, and Washington, DC. It does not include Philadelphia.





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\* All indices empirically estimated by Kevin C. Gillen, Ph.D. © 2016 Drexel University | Kevin.C.Gillen@Drexel.edu



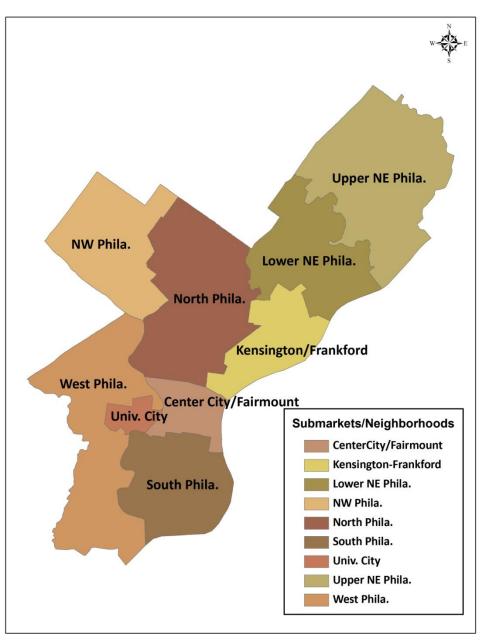
Period	Center City/ Fairmount	Kensington /Frankford	Lower NE Phila.	North Phila.	NW Phila.	South Phila.	Univ. City	Upper NE Phila.	West Phila.
36-year	170.4%	160.7%	138.0%	165.5%	176.8%	205.1%	185.7%	165.8%	170.8%
10-year	5.9%	8.1%	-7.5%	5.4%	1.1%	28.4%	13.2%	-3.4%	10.4%
1-Year	1.9%	9.5%	8.6%	7.9%	7.1%	12.2%	-6.4%	4.6%	6.3%
1-Quarter	3.4%	0.8%	3.1%	11.7%	5.1%	4.2%	15.0%	1.7%	11.8%

#### Philadelphia House Price Appreciation Rates by Neighborhood

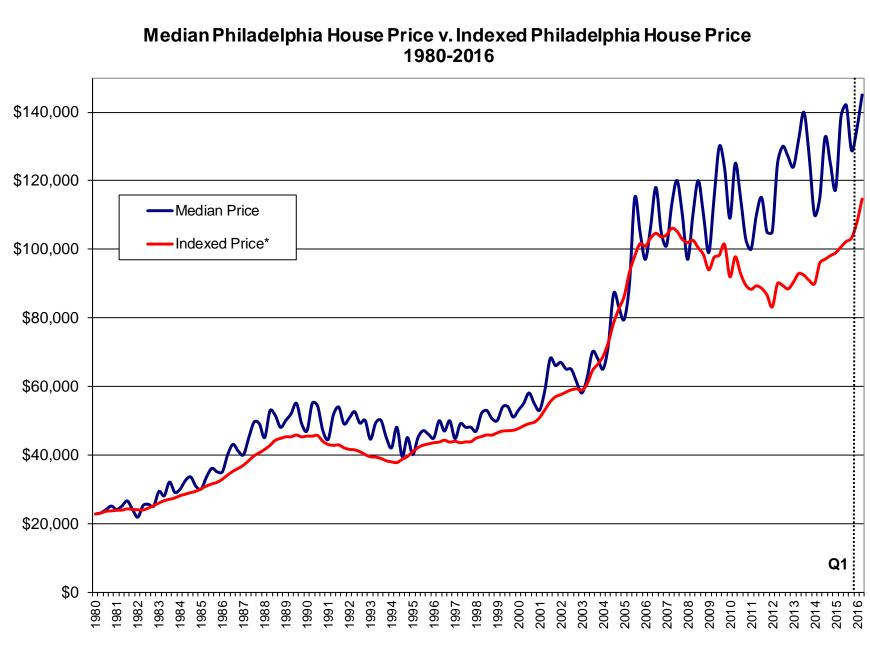
This table gives the total % change in average house prices by neighborhood, through 2016 Q2, from different starting points in time.



#### **Philadelphia Submarket Boundaries**

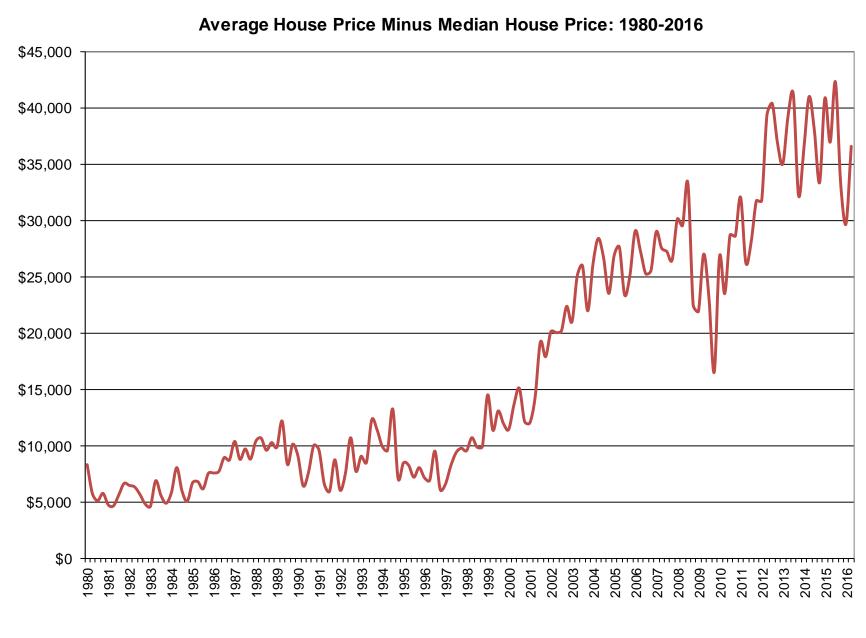






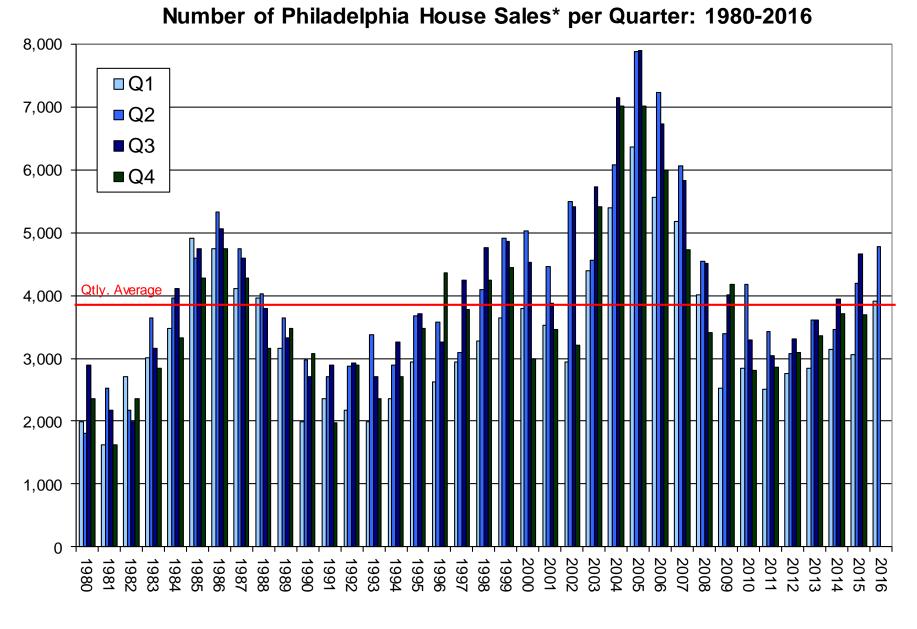
\* Empirically estimated by Kevin C. Gillen, PhD © 2016 Drexel University | Kevin.C.Gillen@Drexel.edu

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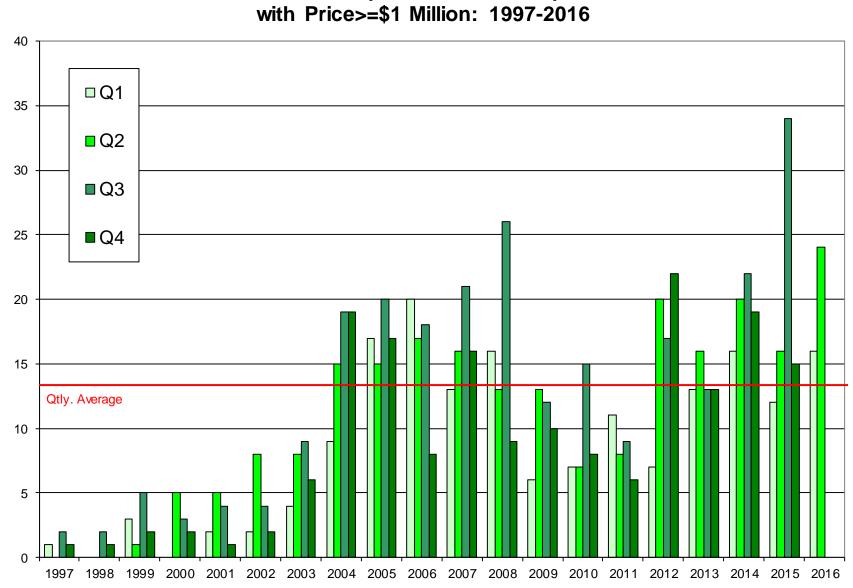






\*Only arms-length transactions between private sector entities were included in these numbers. © 2016 Drexel University | Kevin.C.Gillen@Drexel.edu



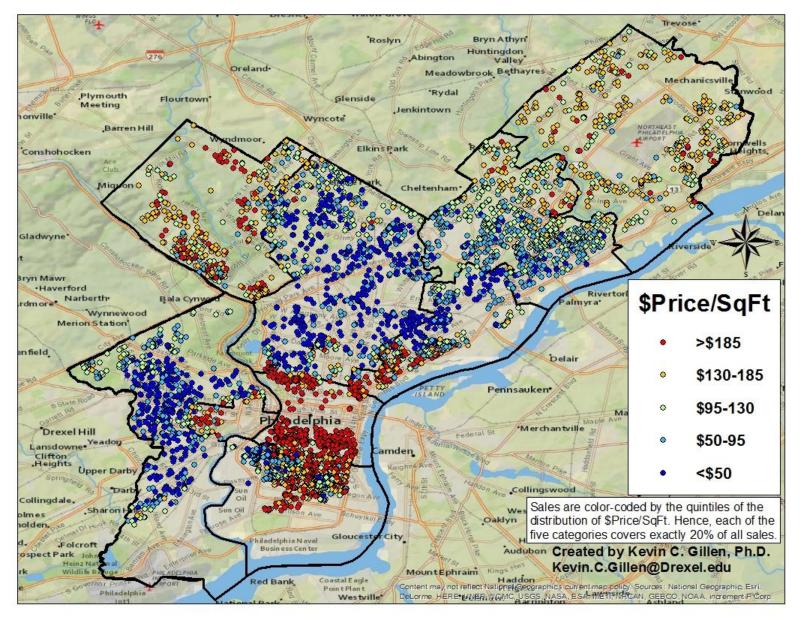


Number of Philadelphia Home Sales\* per Quarter

\*Only arms-length transactions between private sector entities were included in these numbers. © 2016 Drexel University | Kevin.C.Gillen@Drexel.edu

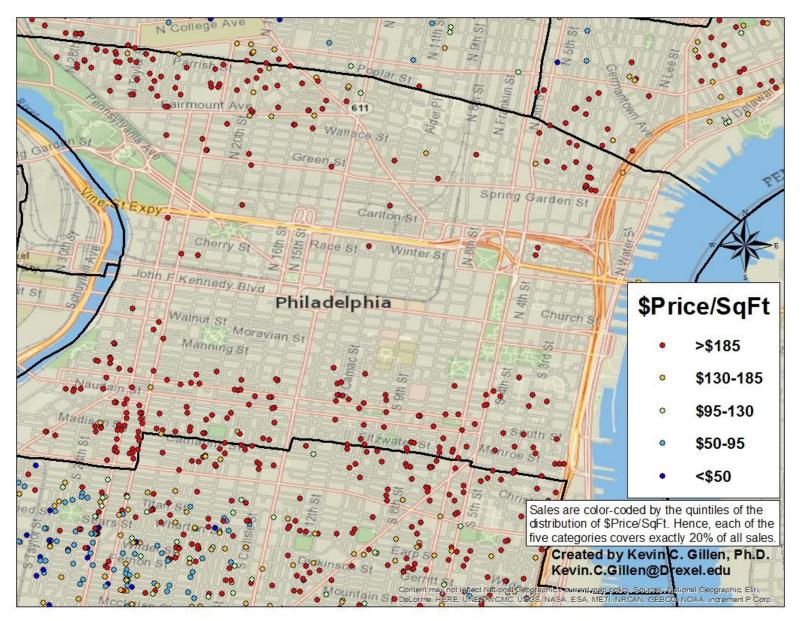


#### Philadelphia House Sales in 2016 Q2



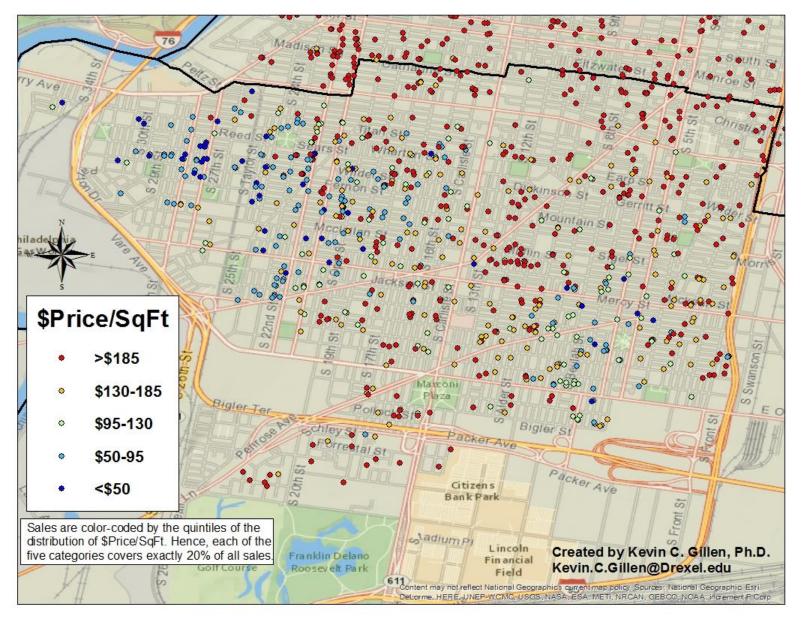


#### **Center City House Sales in 2016 Q2**



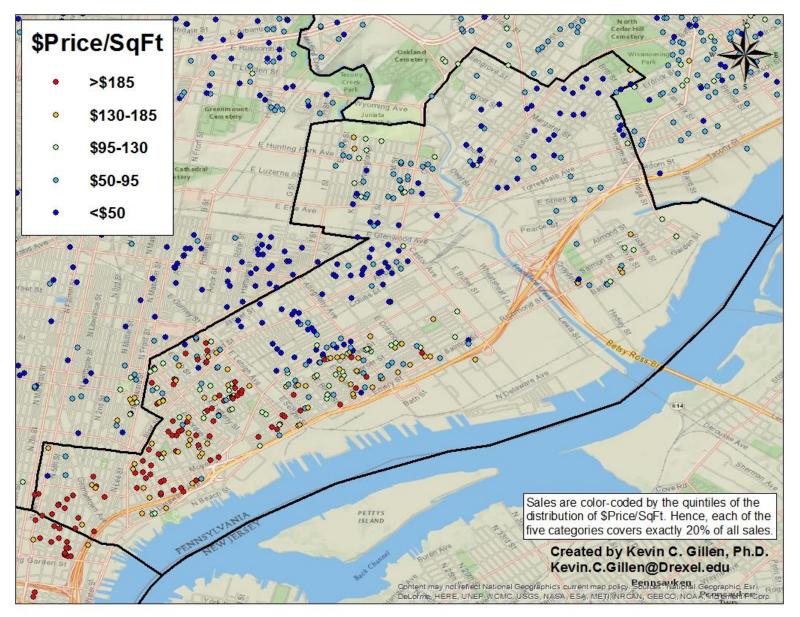


#### South Philadelphia House Sales in 2016 Q2



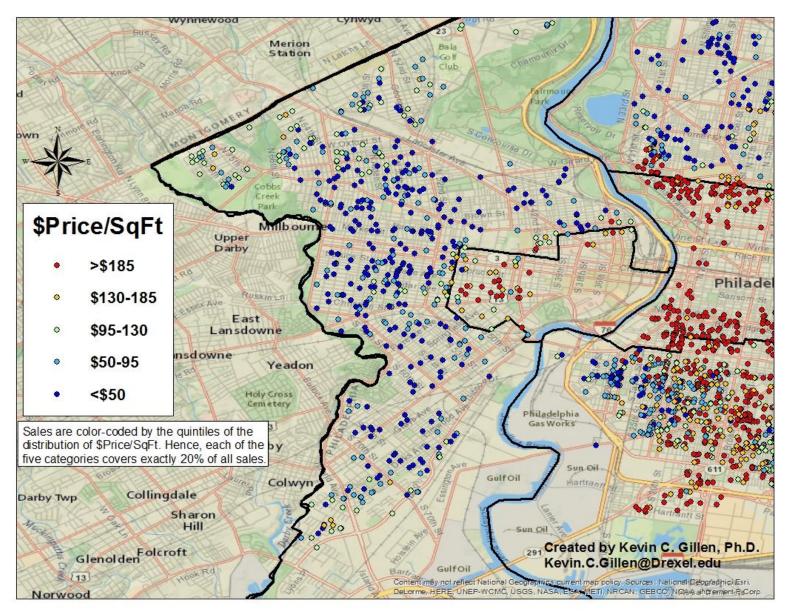


#### Kensington/Frankford House Sales in 2016 Q2



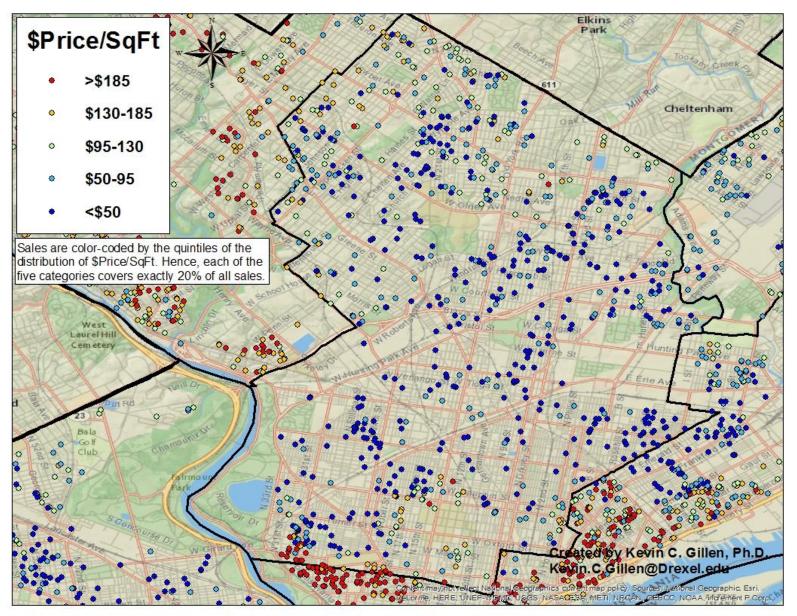


#### West Philadelphia House Sales in 2016 Q2



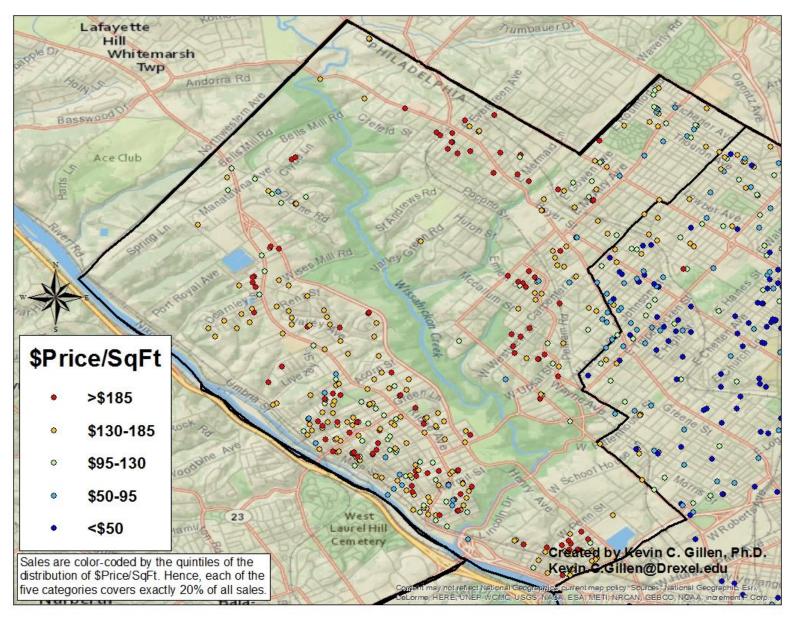


#### North Philadelphia House Sales in 2016 Q2



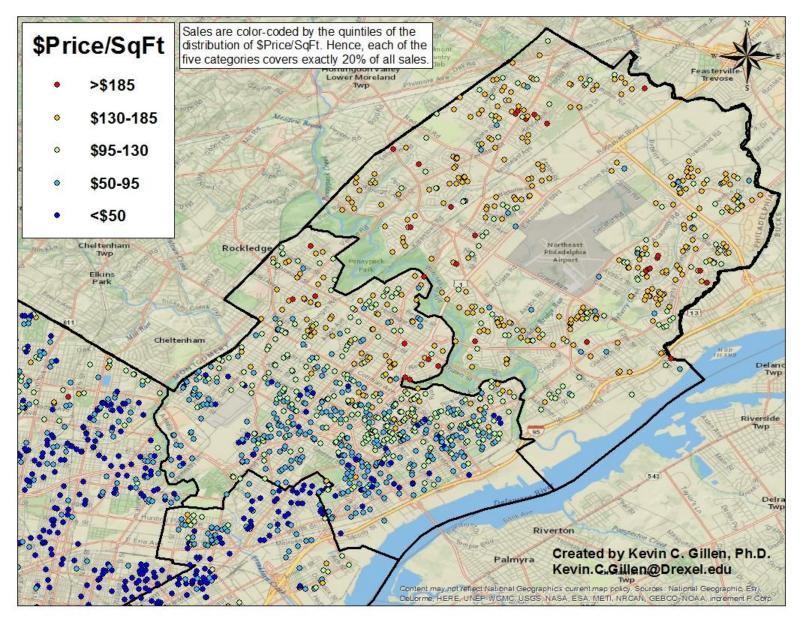


#### Northwest Philadelphia House Sales in 2016 Q2

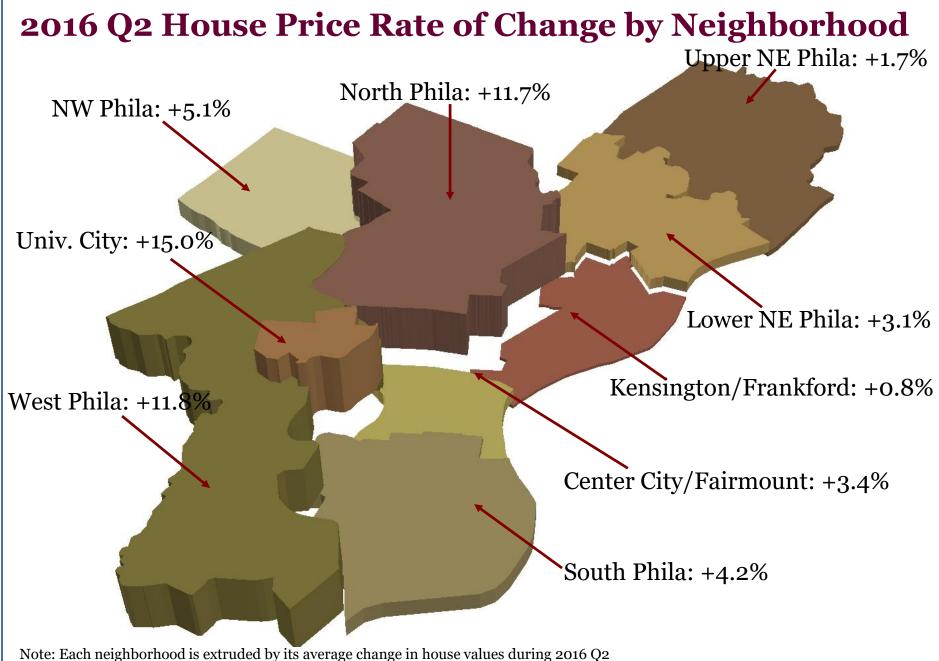




### Northeast Philadelphia House Sales in 2016 Q2



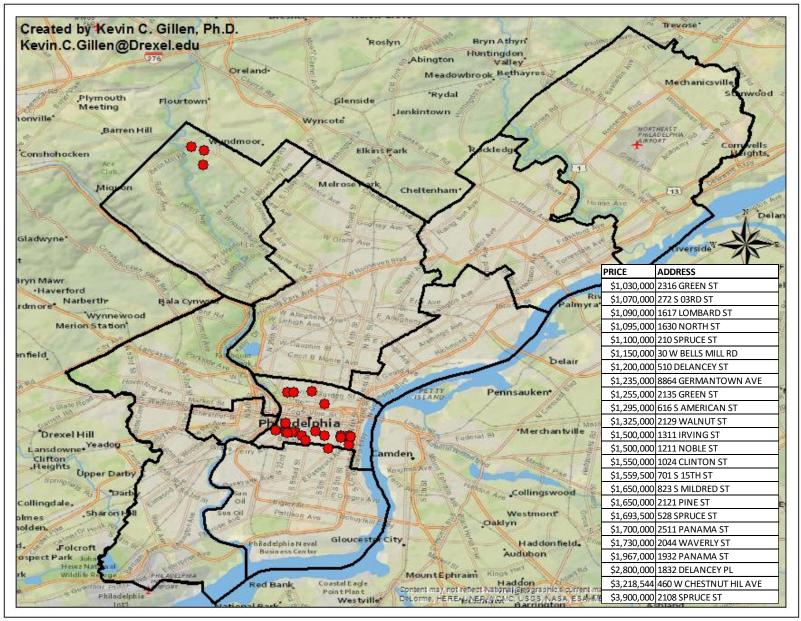




in order to reflect its growth (or depreciation) rate relative to other neighborhoods.

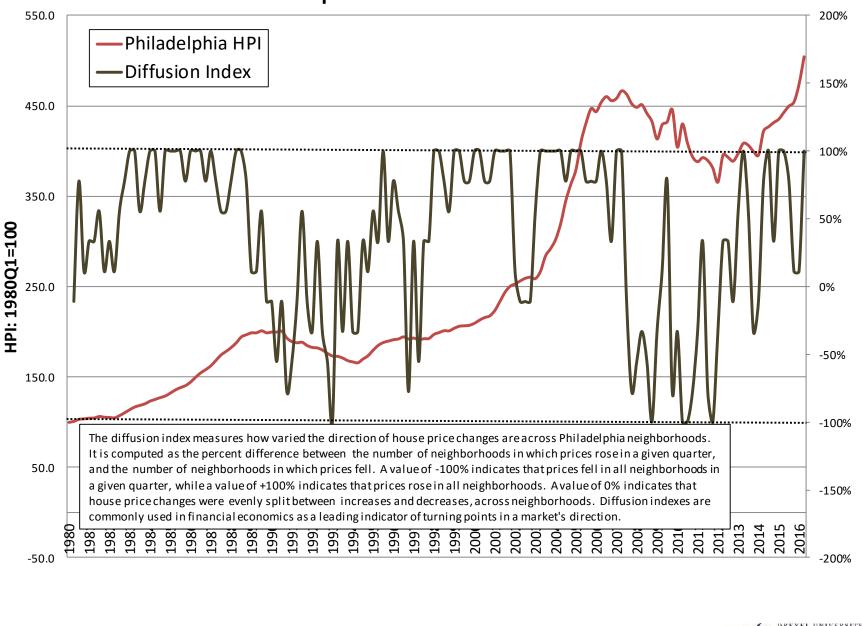


#### +\$1 Million Dollar House Sales in 2016 Q2



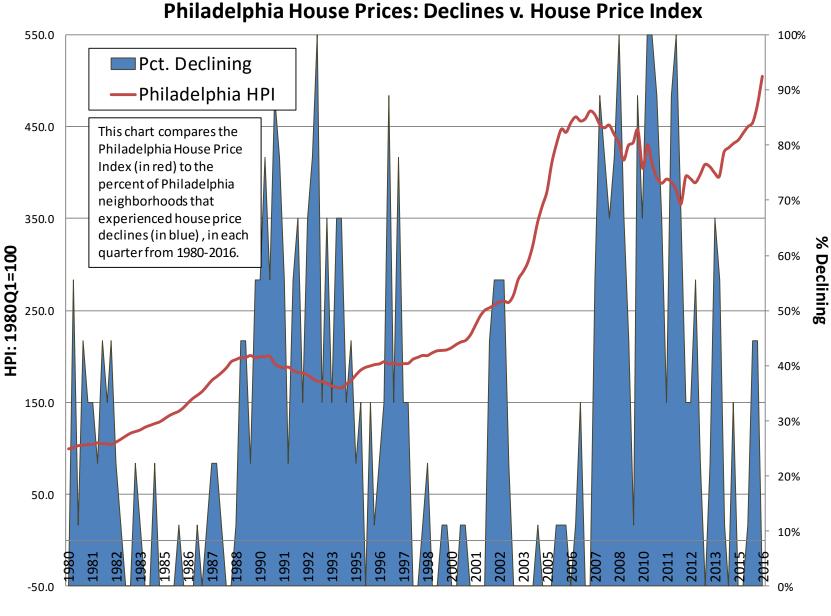


#### **Philadelphia House Price Diffusion Index**



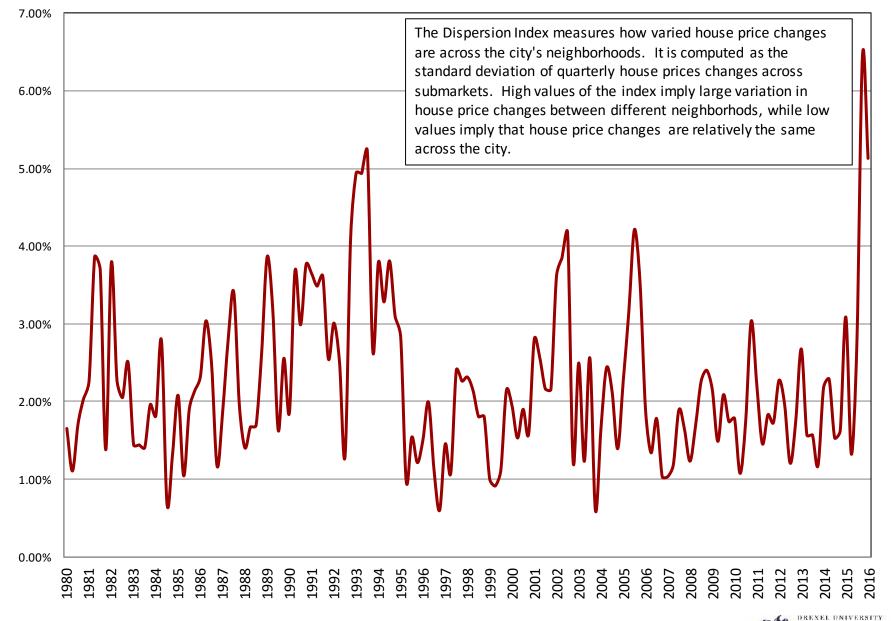
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### **Dispersion Index of Philadelphia Housing**



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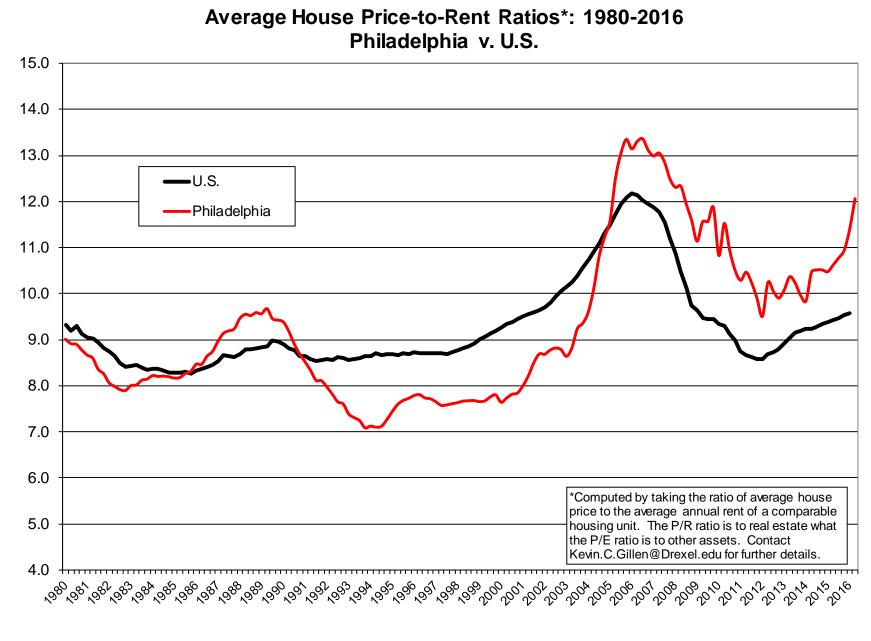


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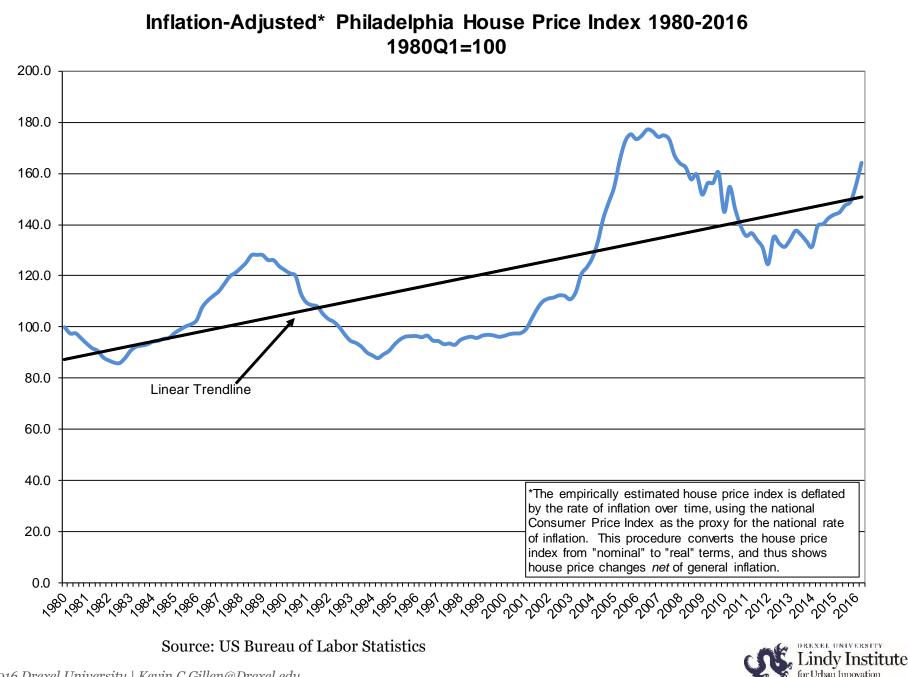
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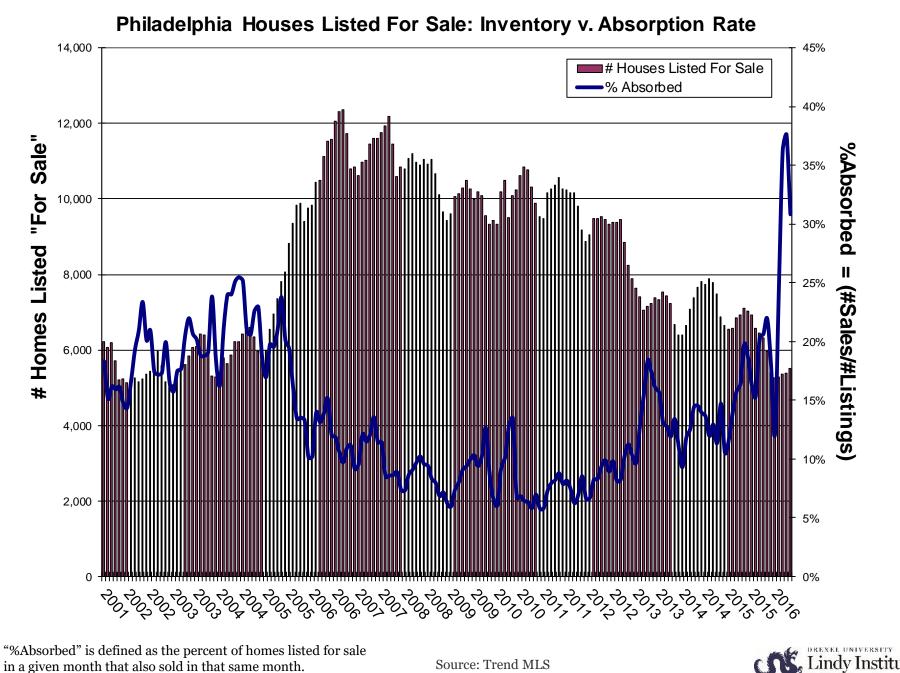
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#### Philadelphia Housing Affordability\* Index: 1980-2016



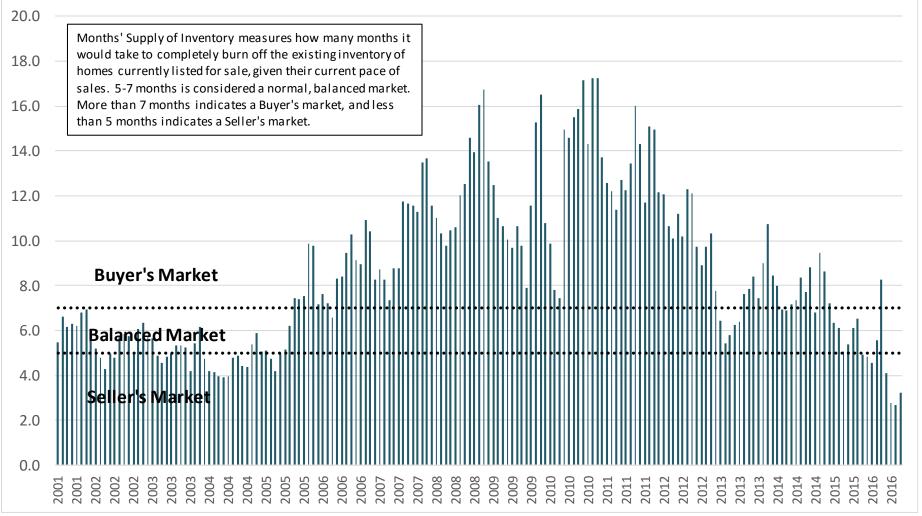
### CONFIGURATION Interster Configuration







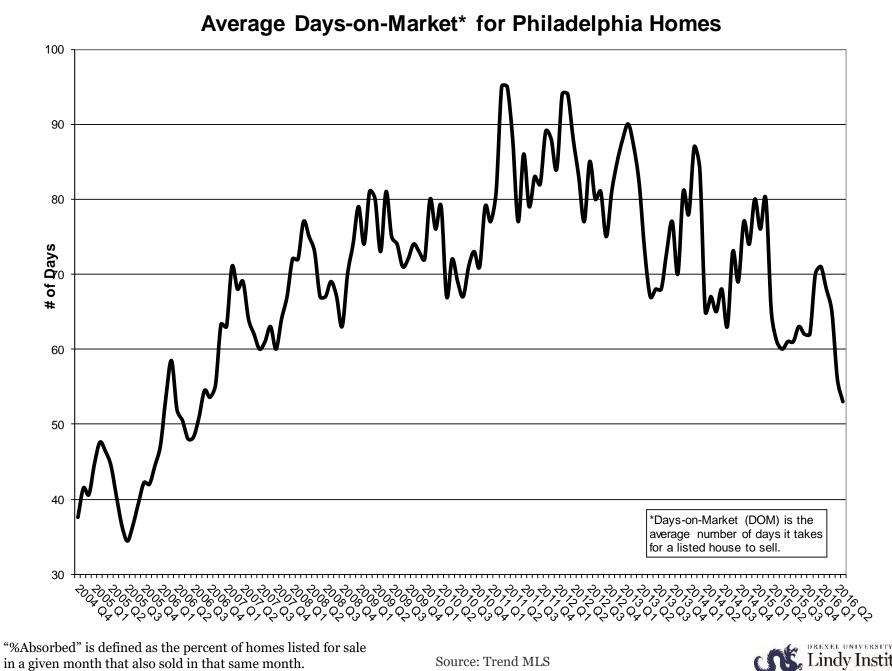




"%Absorbed" is defined as the percent of homes listed for sale in a given month that also sold in that same month.
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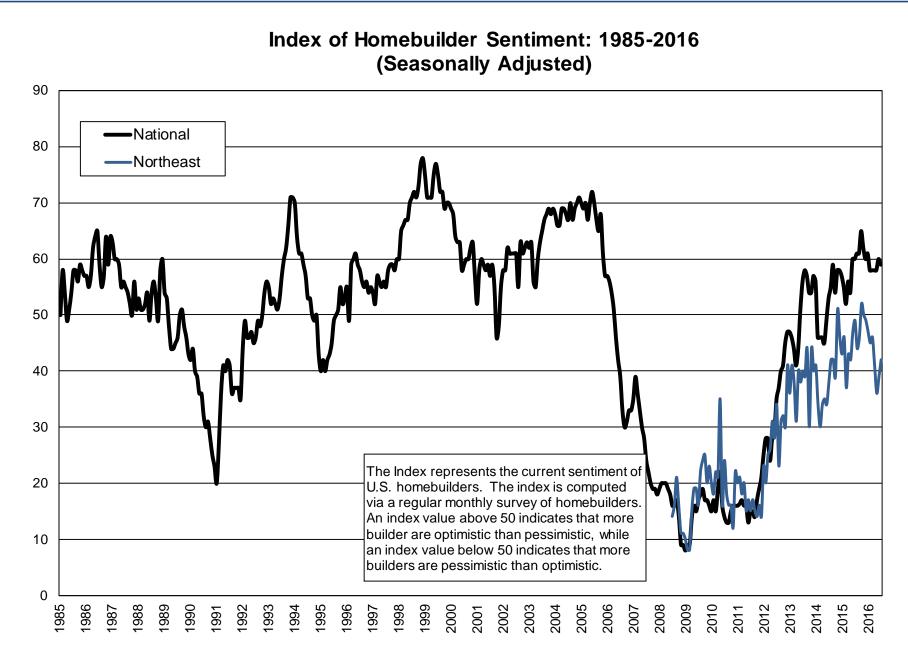
Source: Trend MLS





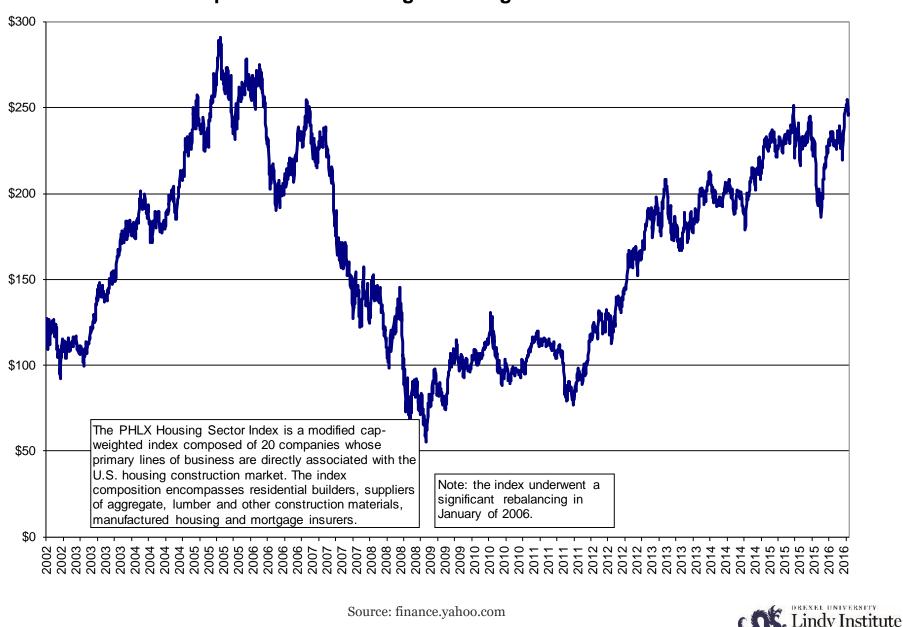
in a given month that also sold in that same month. © 2016 Drexel University | Kevin.C.Gillen@Drexel.edu





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

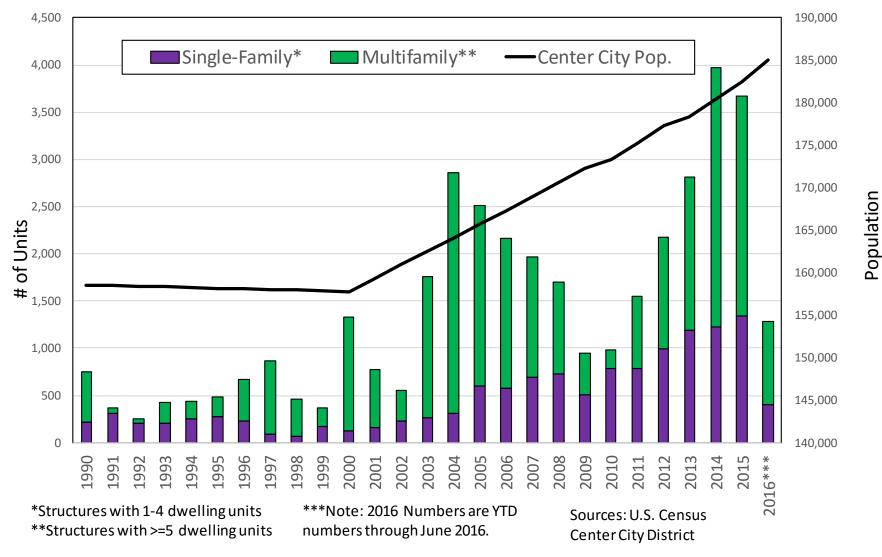




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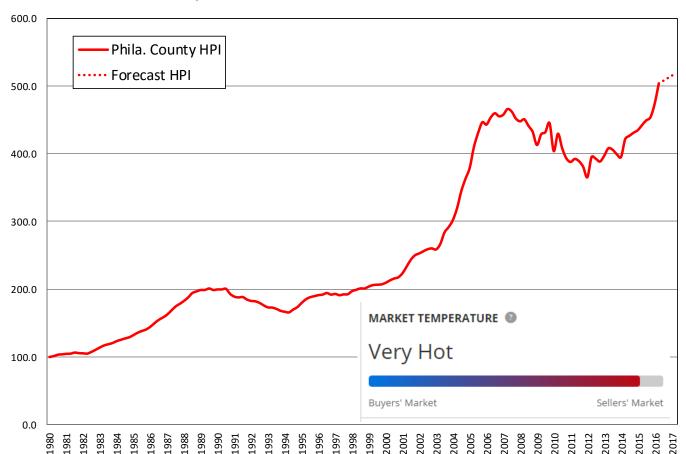
#### Philadelphia Stock Exchange Housing Sector Index: 2002-2015

#### Building Permits Issued for Construction of Residential Units in Philadelphia: 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 2.9% over the next year, which is an upgrade from its previous annual forecast of 2.2% made three months ago. It has also upgraded its market temperature for Philadelphia from "Hot" to "Very Hot", and has characterized it as a "Seller's Market".

Source: http://www.zillow.com/philadelphia-pa/home-values/ © 2016 Drexel University | Kevin.C.Glllen@Drexel.edu

