# PHILADELPHIA REGIONAL HOUSE PRICE INDICES

## November 28, 2018



KEVIN C. GILLEN, Ph.D.

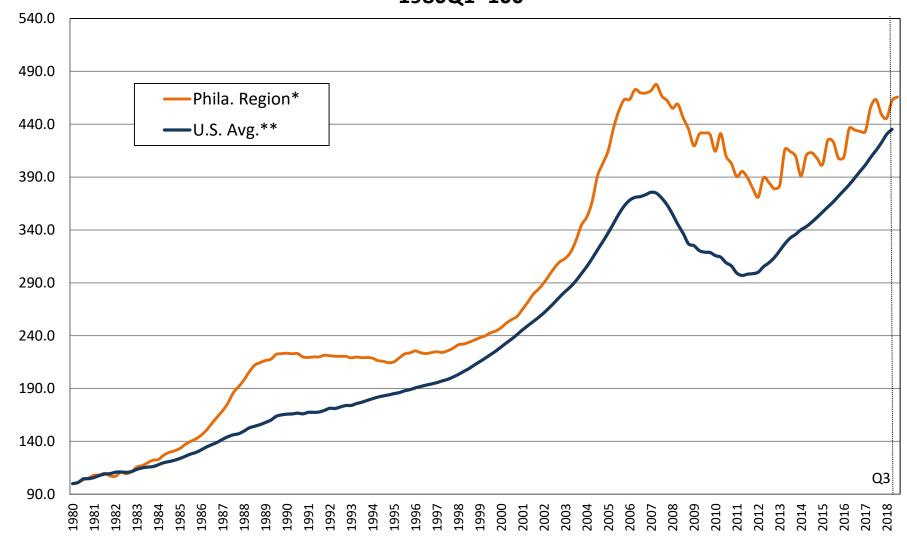
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#### Philadelphia Regional House Price Indices 1980-2018 1980Q1=100

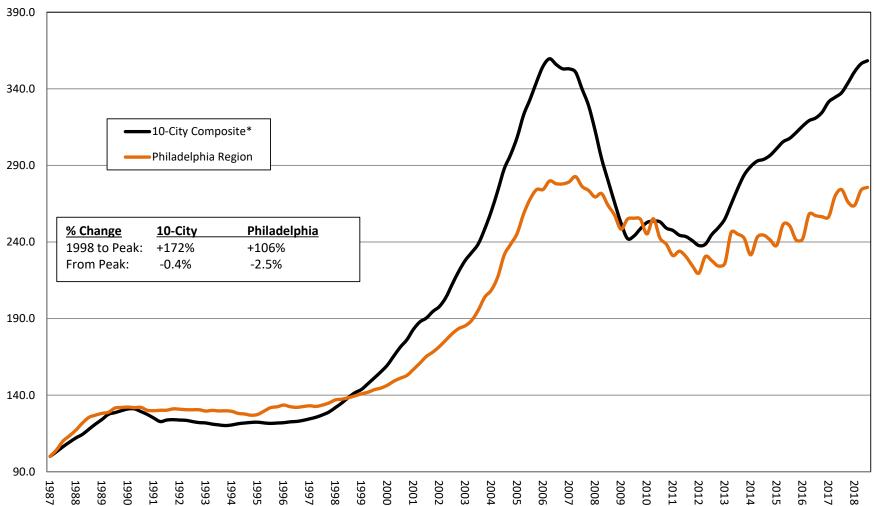


<sup>\*</sup>Empirically estimated by Kevin C. Gillen, PhD



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

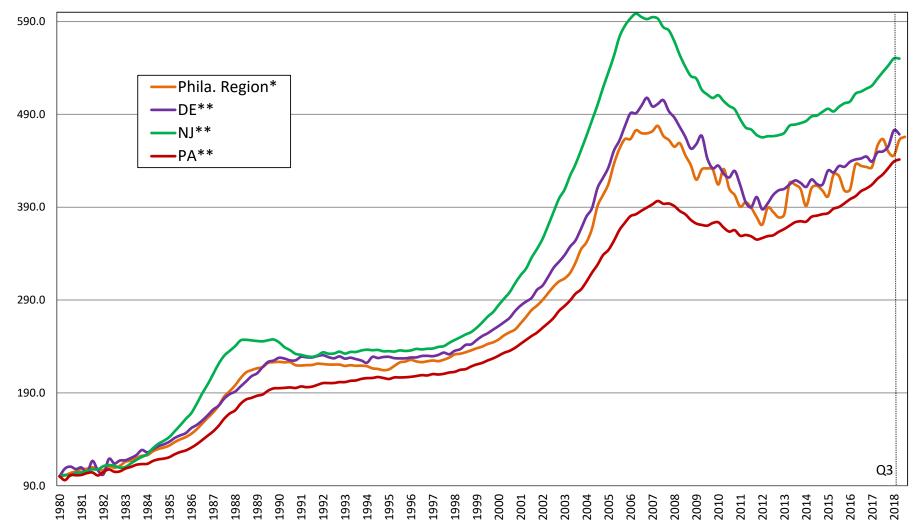
# House Price Appreciation 1987-2018: Philadelphia Region v. 10-City U.S. Composite



<sup>\*</sup>Source: Case-Shiller MacroMarkets LLC. 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.



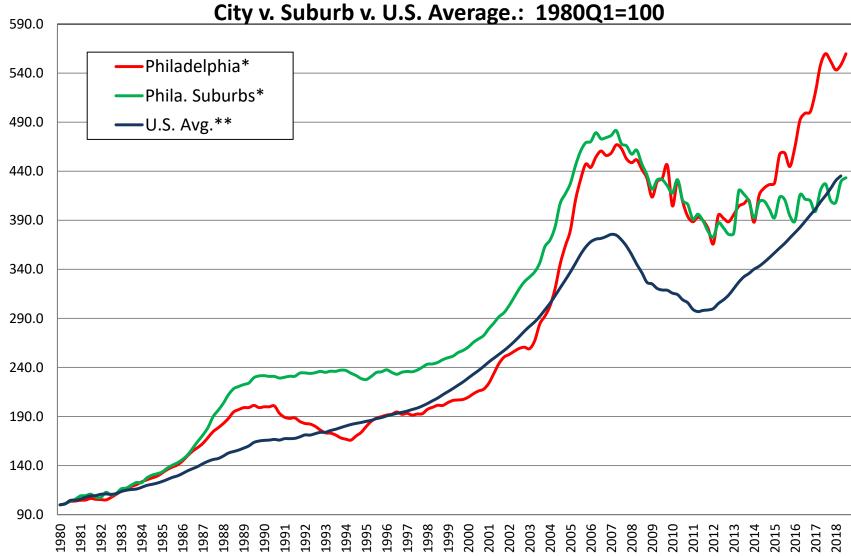
# Philadelphia Regional House Price Indices 1980-2018 by Philadelphia Region and State: 1980Q1=100







# Philadelphia Regional House Price Indices 1980-2018 City v Suburb v II S Average: 198001=100

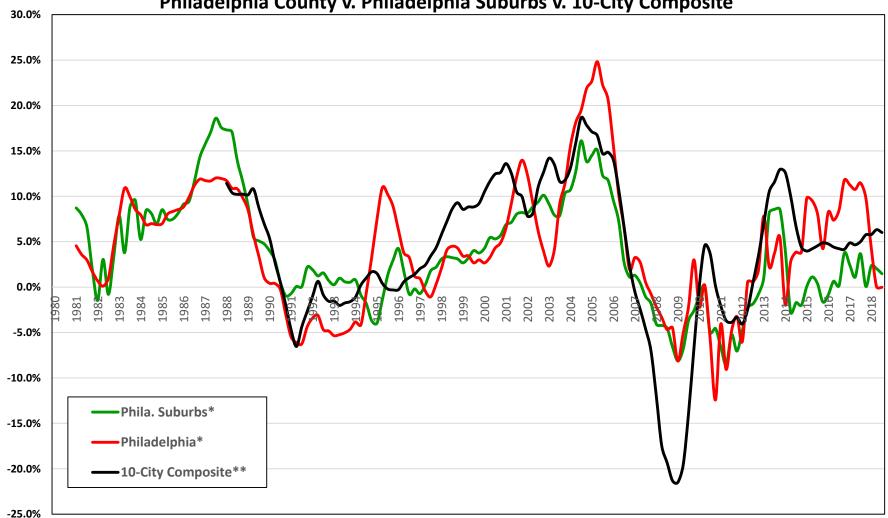


<sup>\*</sup>Empirically estimated by Kevin C. Gillen, Ph.D.

Note: The suburban index includes all counties in the regional index, except for Philadelphia county.



YoY Change in Average House Prices: 1980-2018
Philadelphia County v. Philadelphia Suburbs v. 10-City Composite

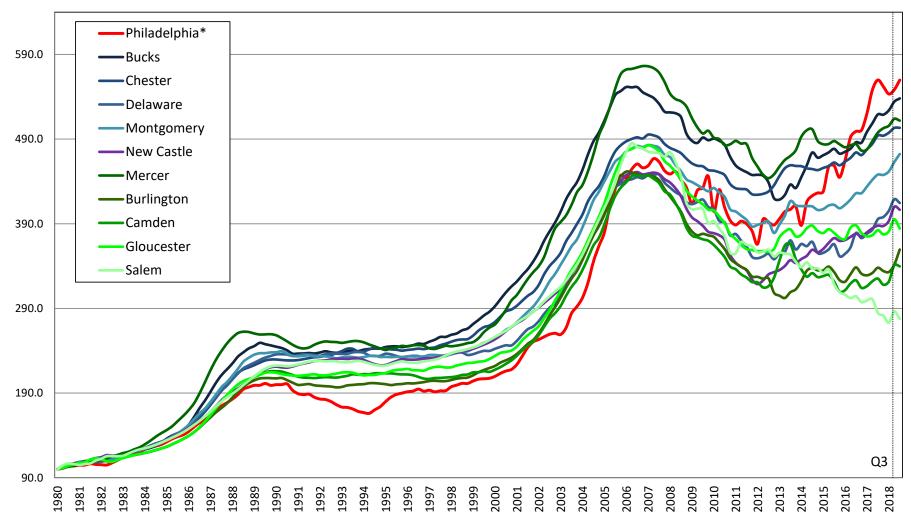


<sup>\*</sup>Empirically estimated by Kevin C. Gillen, Ph.D.

<sup>\*\*</sup>Empirically estimated by Case-Shiller. The 10-City Composite reflects average annual house price changes in ten large US cities, including: Boston Chicago, Denver, Las Vegas, Los Angeles, Miami, New York, San Diego, San Francisco and Washington DC. It does not include Philadelphia.



# Philadelphia Regional House Price Indices 1980-2018, by County 1980Q1=100



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



# Total House Price Appreciation Rates by Philadelphia Area Submarket and U.S.

Period	Philadelphia County*	Philadelphia Suburbs*	U.S.A.**
39-Year	172.2%	146.6%	147.1%
10-Year	23.6%	-3.2%	23.2%
1-Year	0.0%	1.5%	6.3%
1-Quarter	2.1%	1.0%	1.1%

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



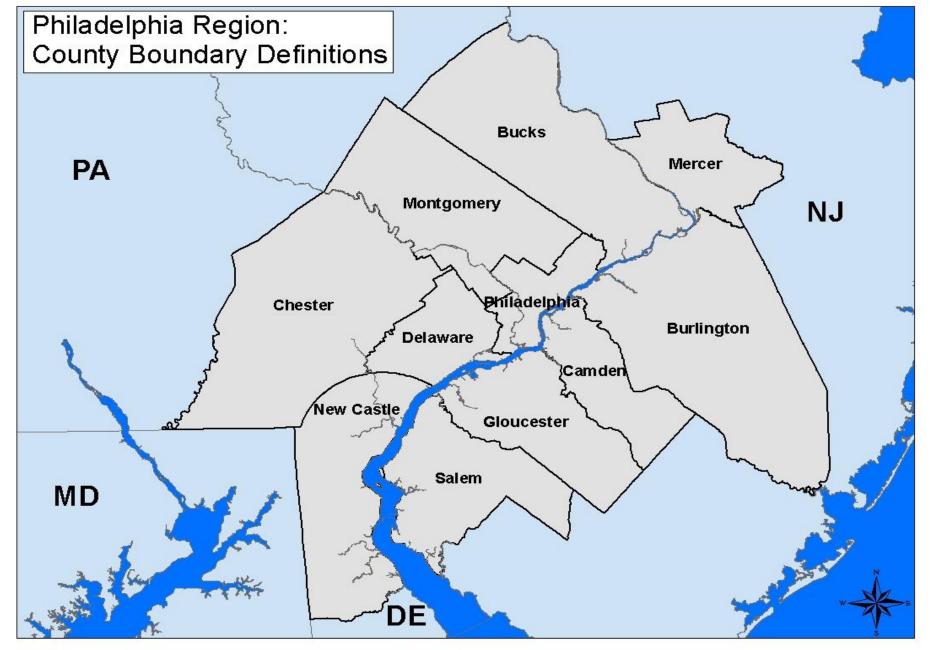
<sup>\*\*</sup>Source: U.S. Federal Housing Finance Agency (FHFA). These numbers are through 2018Q2 only. "MSA"="Metropolitan Statistical Area", which is the entire 10-county region.

#### Philadelphia Region House Price Appreciation Rates by County

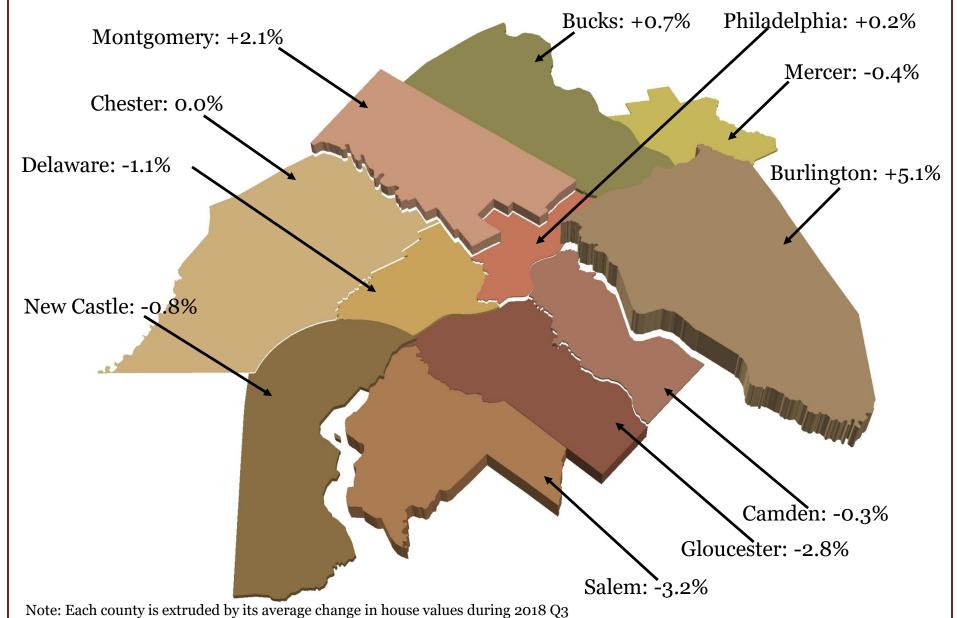
Period	Philadelphia	Bucks	Chester	Delaware	Montgomery	New Castle	Mercer	Burlington	Camden	Gloucester	Salem
38-Year	172%	168%	162%	142%	155%	140%	163%	128%	122%	135%	102%
10-Year	23.6%	4.2%	6.1%	-2.1%	4.4%	-3.8%	-4.4%	-11.7%	-16.9%	-14.0%	-47.4%
1-Year	0.0%	3.6%	1.8%	4.7%	5.3%	4.8%	2.8%	6.2%	4.3%	0.5%	-2.5%
1-Quarter	2.1%	0.7%	0.0%	-1.1%	2.1%	-0.8%	-0.4%	5.1%	-0.3%	-2.8%	-3.2%

All county-level indices and appreciation rates estimated by Kevin C. Gillen, Ph.D.





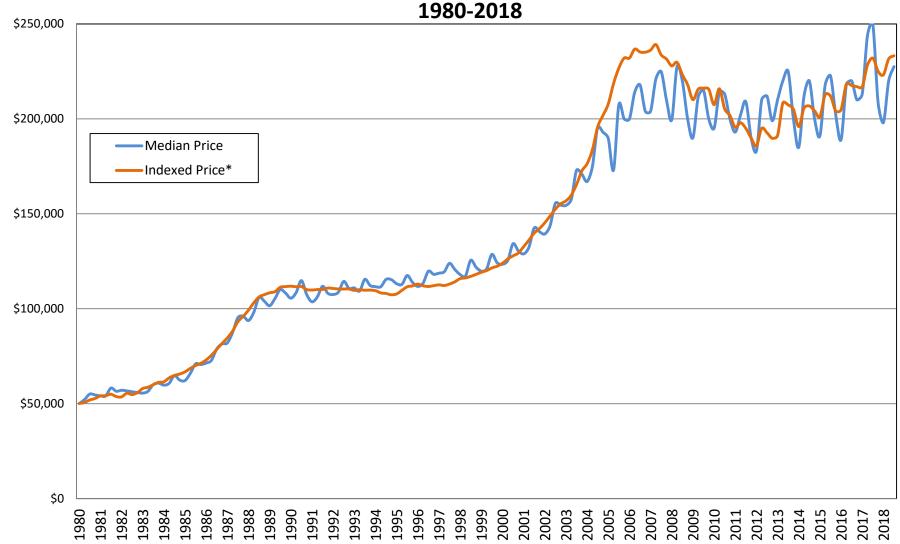
## 2018 Q3 House Price Rate of Change by County



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

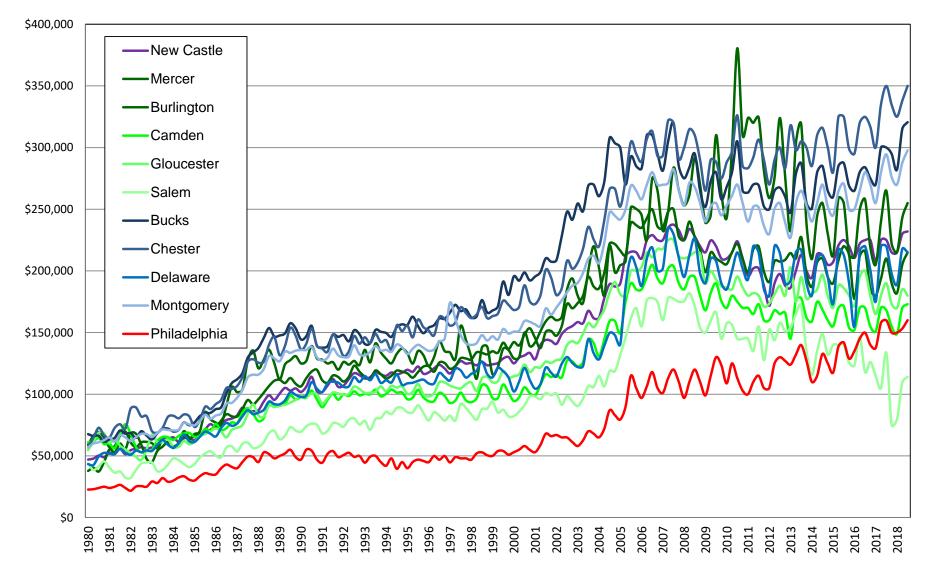
## Median Regional House Price v. Indexed Regional House Price:



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

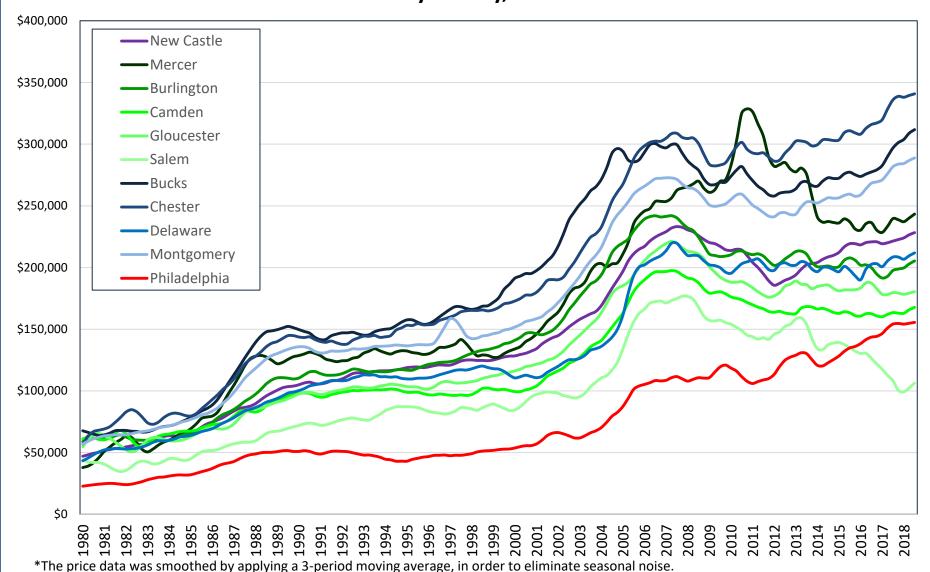


#### **Median House Price by County: 1980-2018**



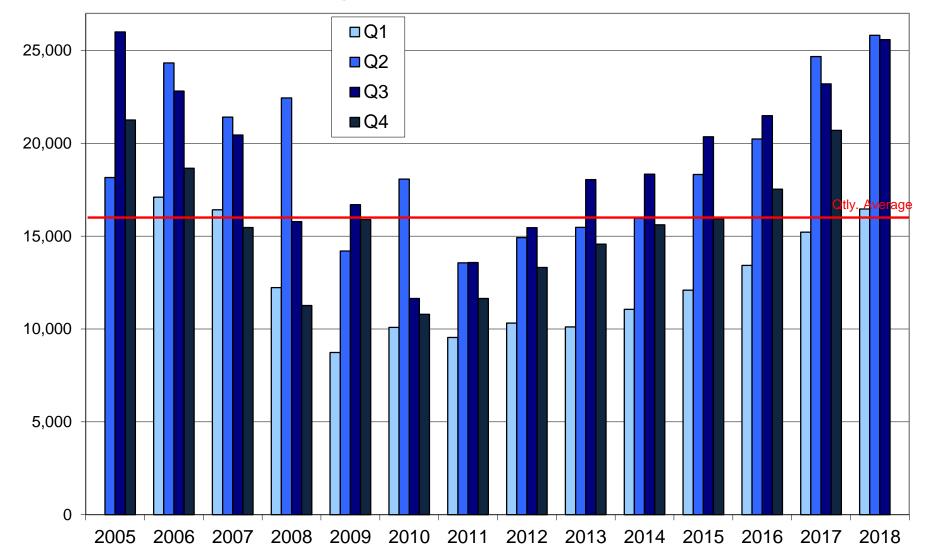


#### Median House Price by County, Smoothed\*: 1980-2018



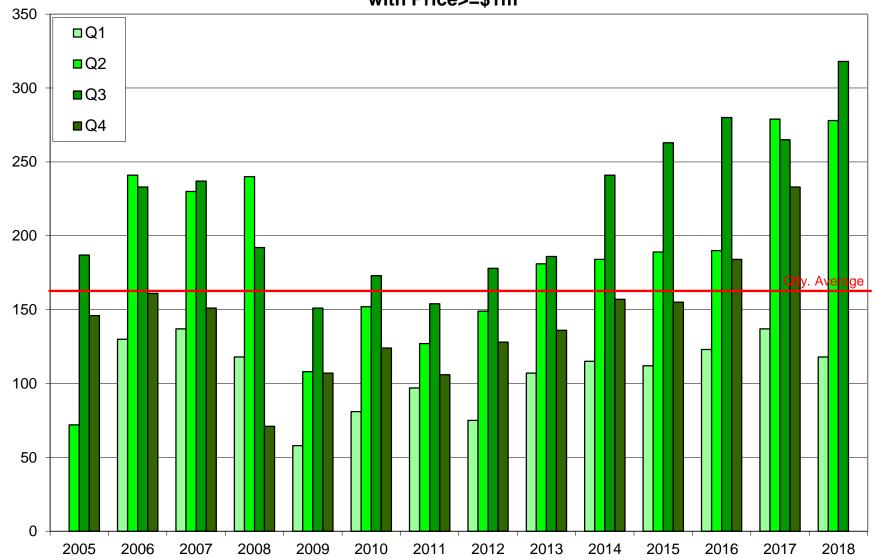


#### Number of Regional House Sales per Quarter: 2005-2018



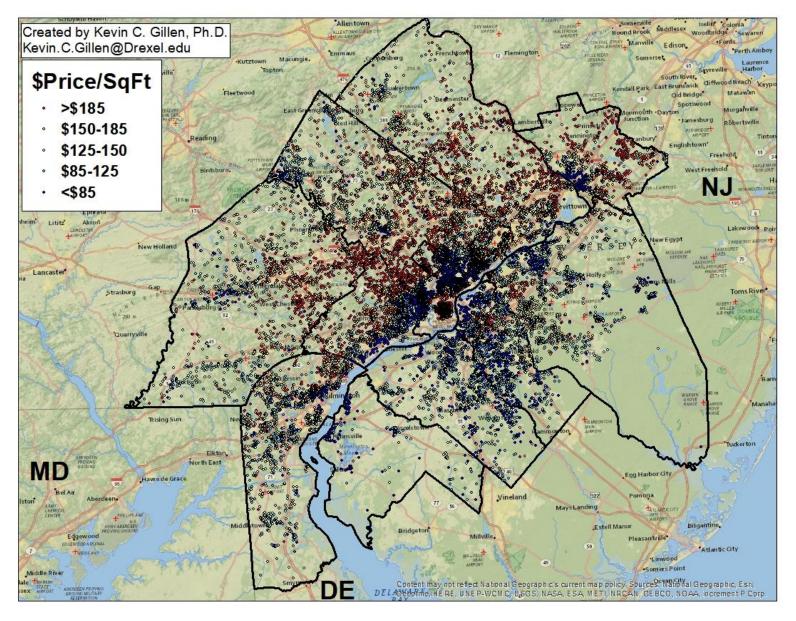


# Number of Regional House Sales 2005-2018 with Price>=\$1m



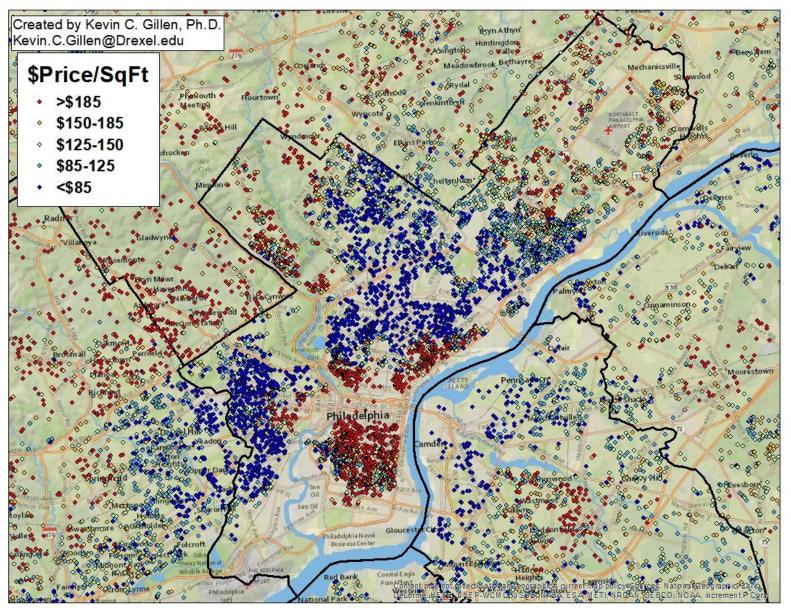


#### Philadelphia Region House Sales in 2018 Q3



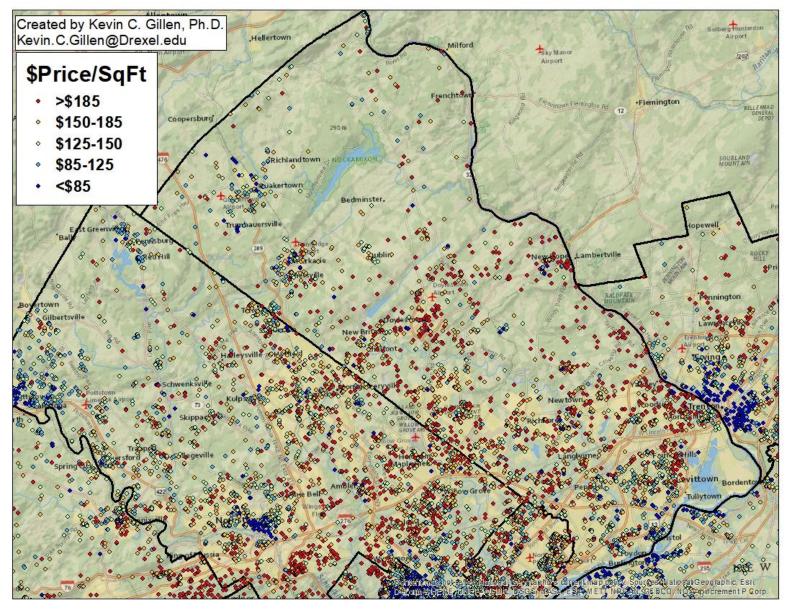


## Philadelphia County House Sales in 2018 Q3



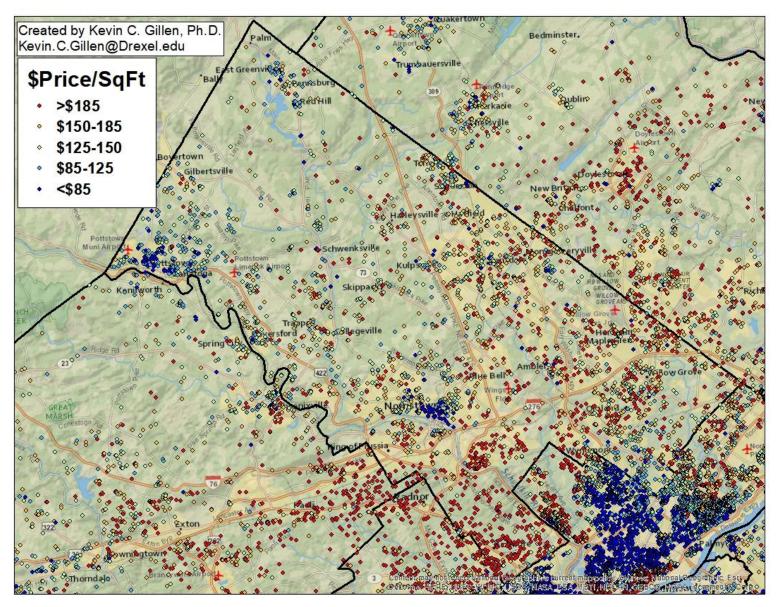


## **Bucks County House Sales in 2018 Q3**



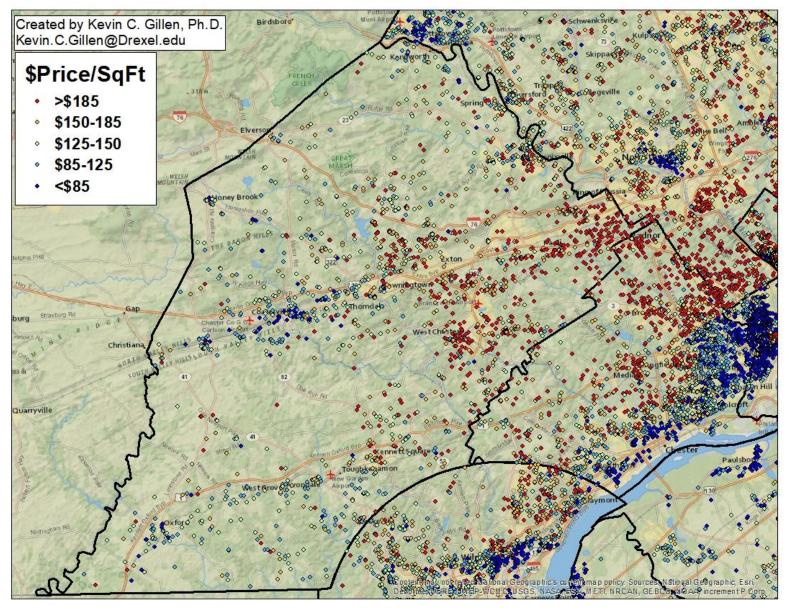


## **Montgomery County House Sales in 2018 Q3**



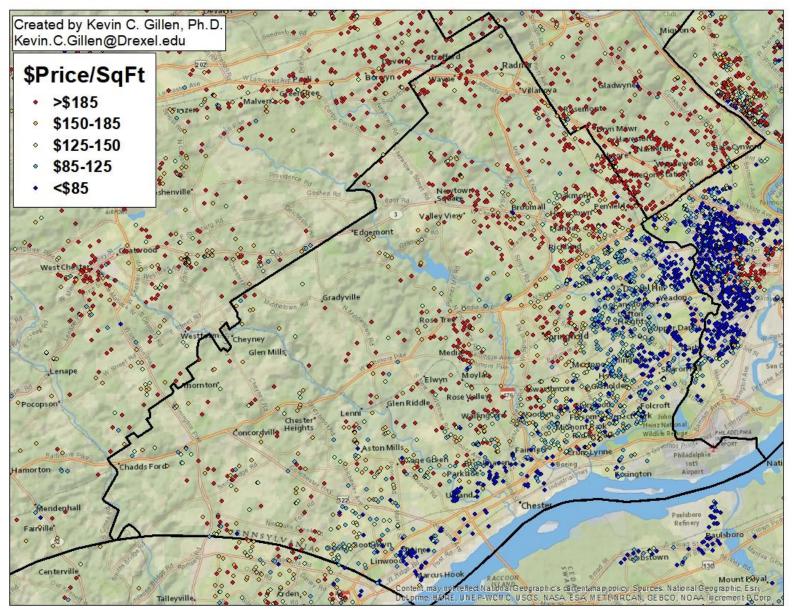


#### **Chester County House Sales in 2018 Q3**



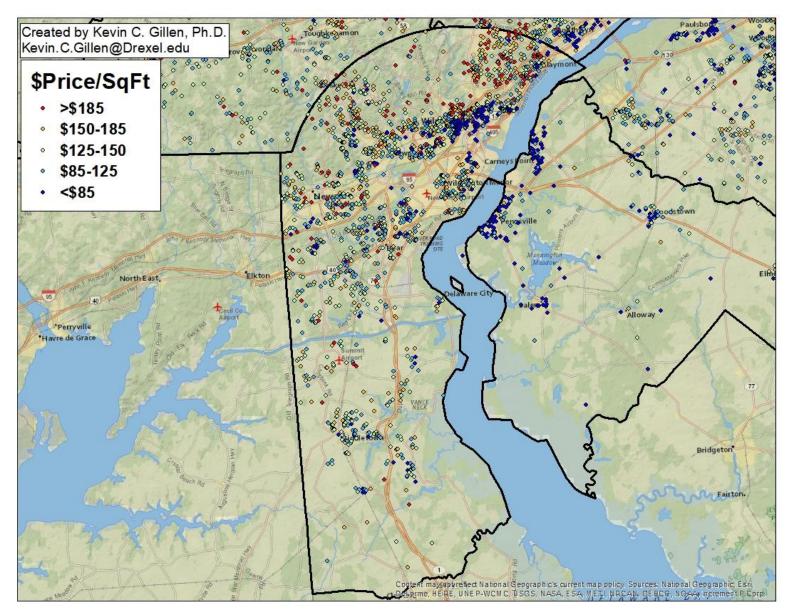


#### **Delaware County House Sales in 2018 Q3**



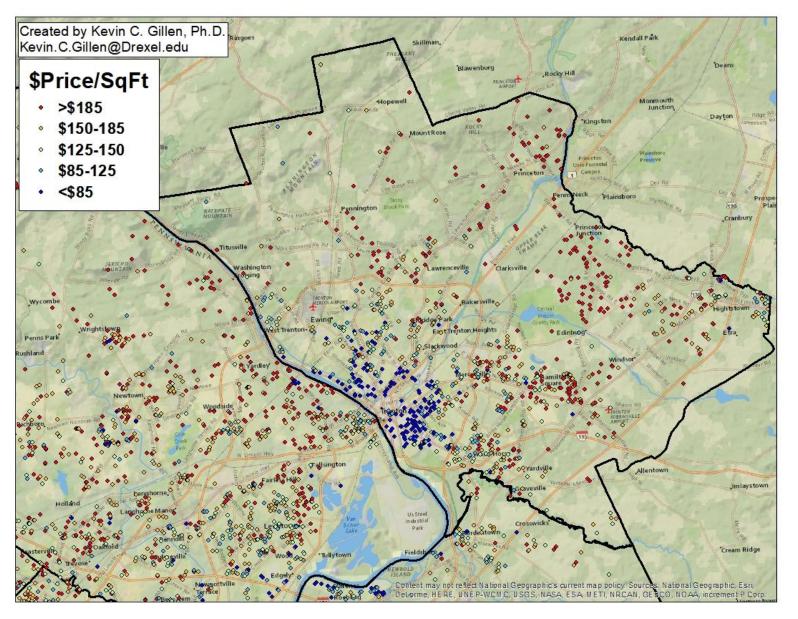


#### **New Castle County House Sales in 2018 Q3**



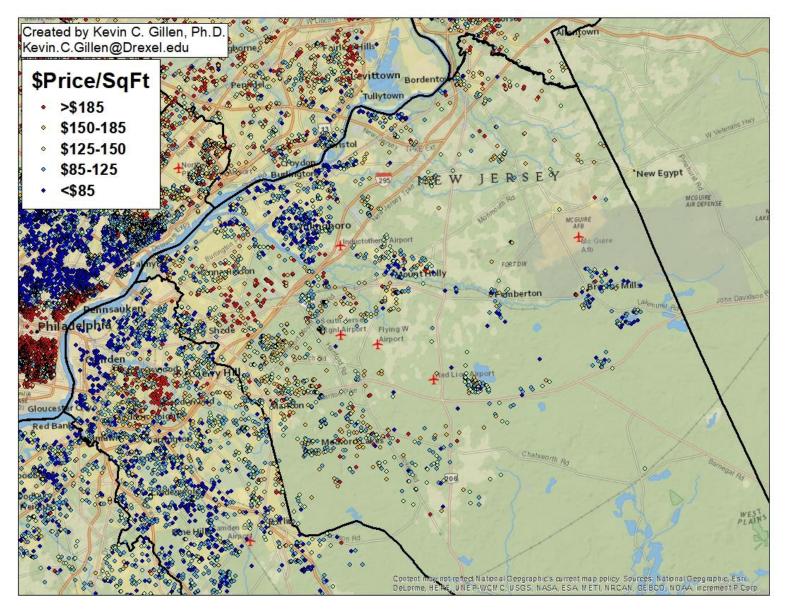


## **Mercer County House Sales in 2018 Q3**



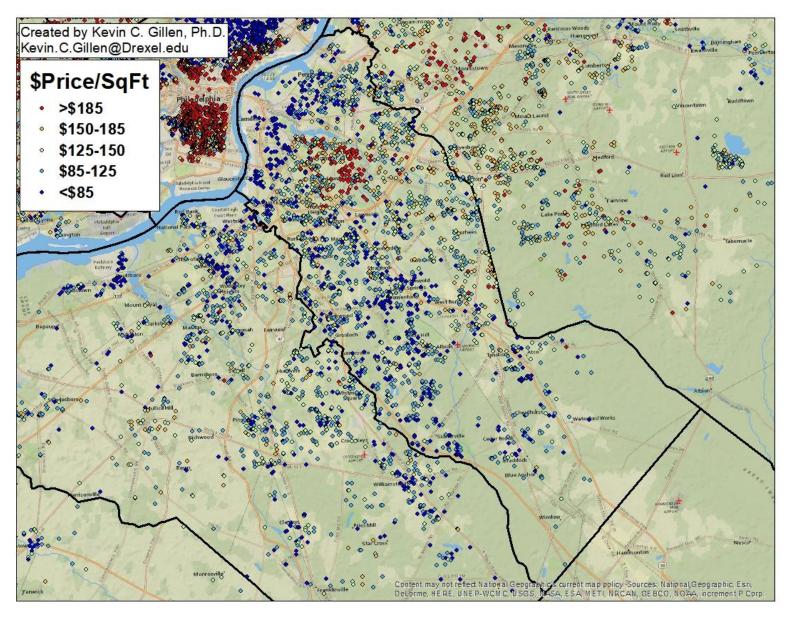


#### **Burlington County House Sales in 2018 Q3**



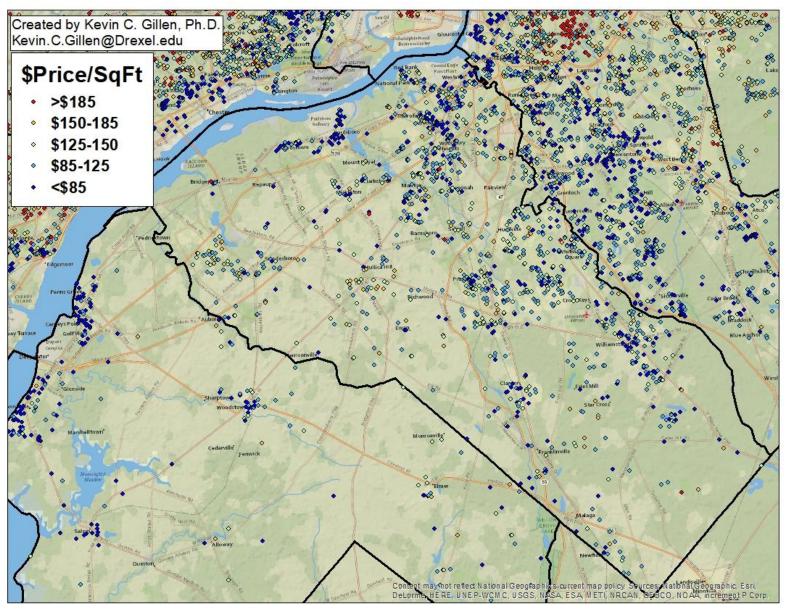


#### **Camden County House Sales in 2018 Q3**



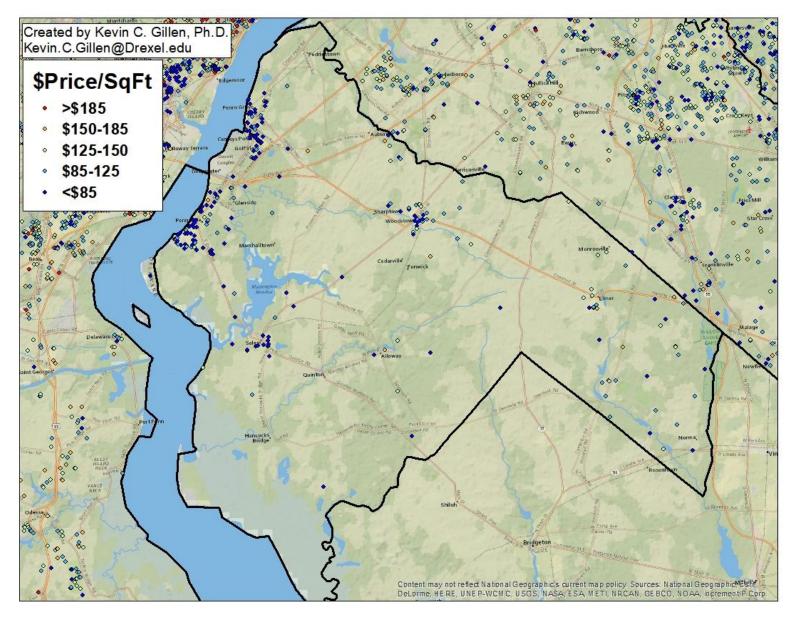


## **Gloucester County House Sales in 2018 Q3**



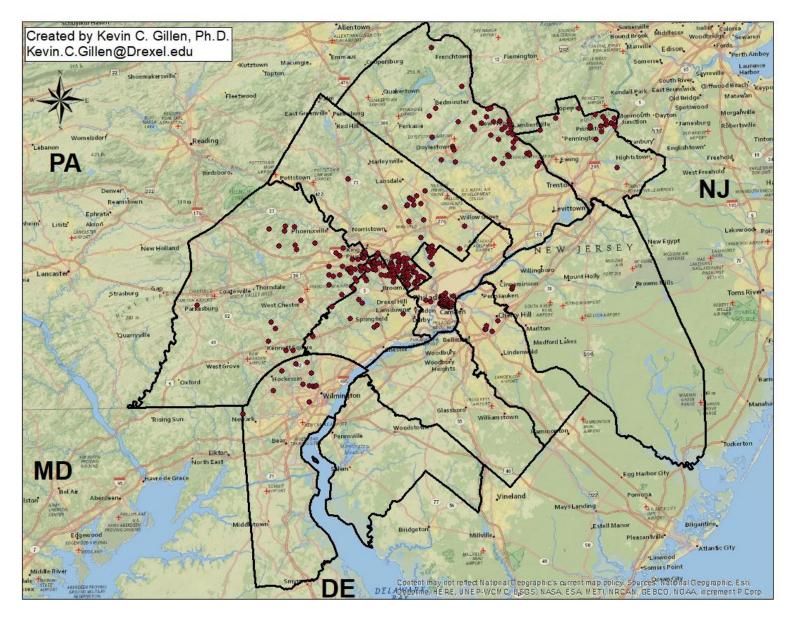


## **Salem County House Sales in 2018 Q3**



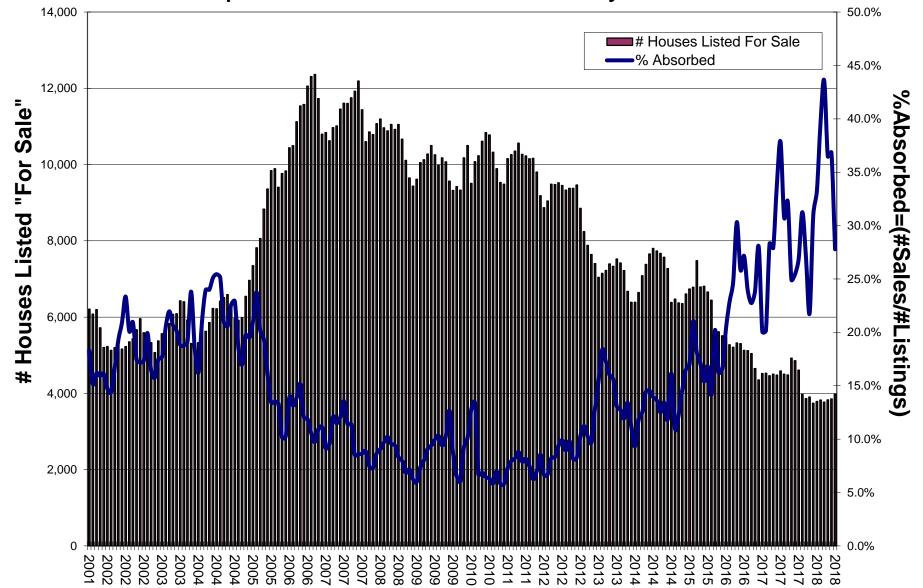


#### +\$1 Million Dollar House Sales in 2018 Q3



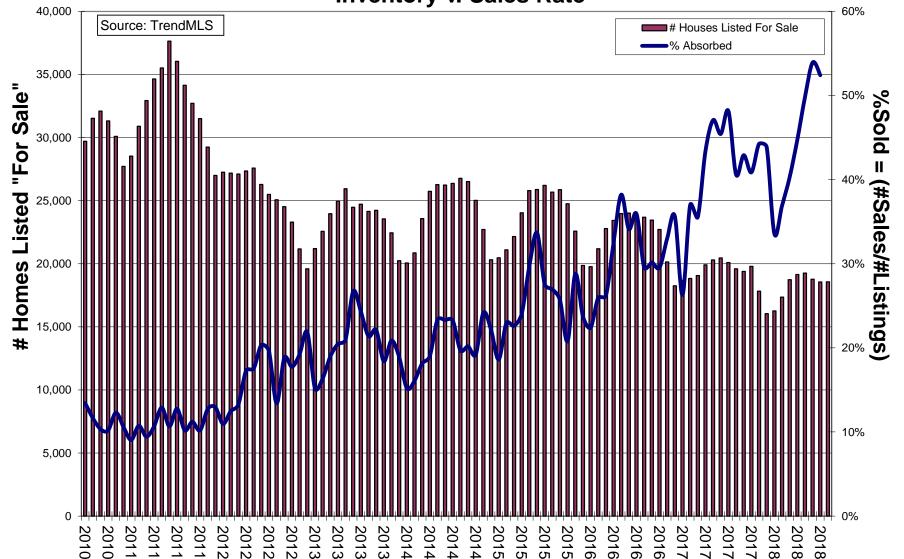


#### Philadelphia Houses Listed For Sale: Inventory v. Sales Rate



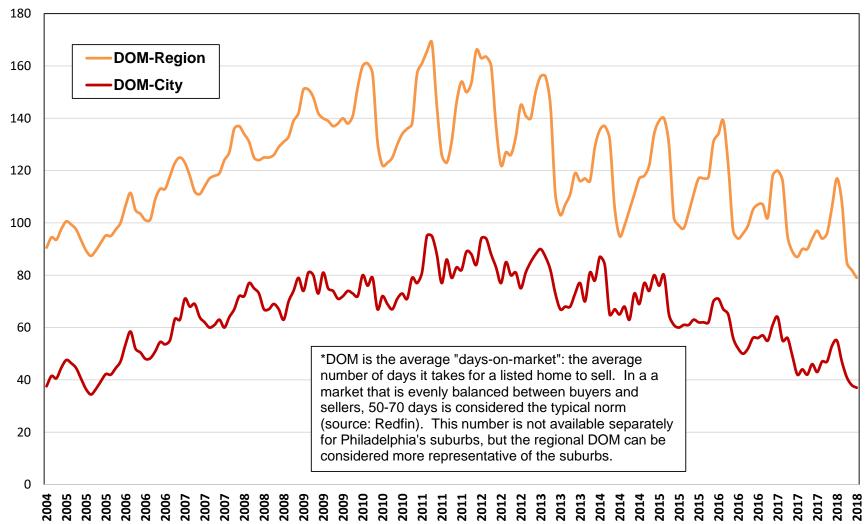


Philadelphia Suburb's Houses Listed For Sale: Inventory v. Sales Rate



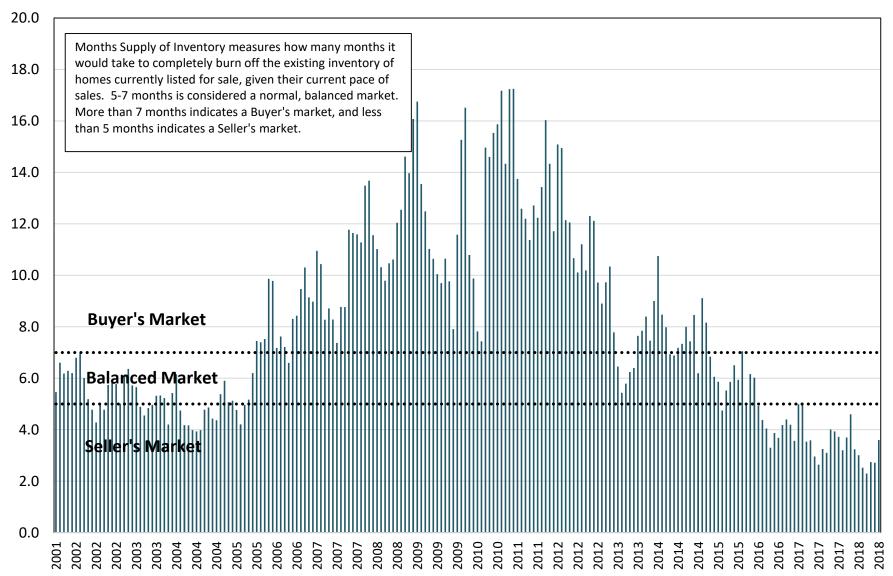


#### Average Days-on-Market\* for Home Sales



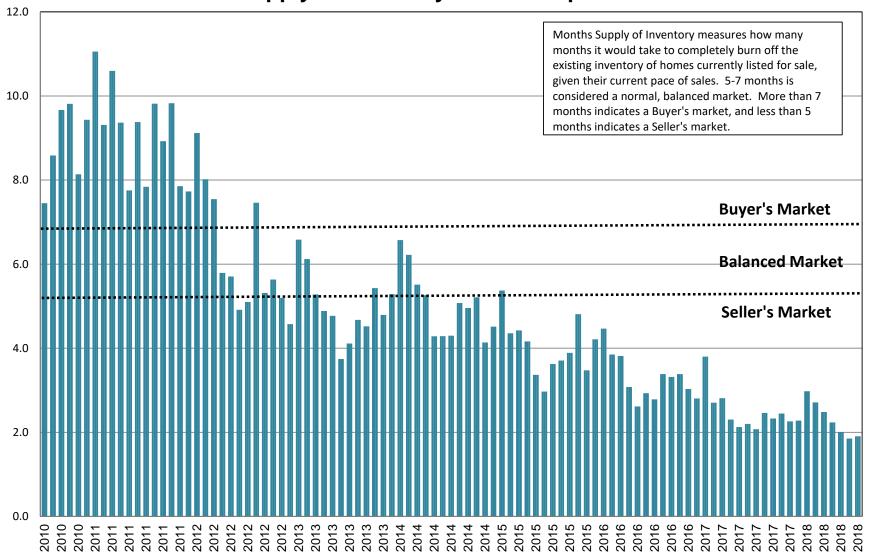


#### Months Supply of Inventory in Philadelphia





#### Months Supply of Inventory in Philadelphia Suburbs





## Pennsylvania Foreclosure Rates

FORECLOSURE RATES FOR PENNSYLVANIA

October 2018

#### Pennsylvania

1 in every 2009

#### Top 5 Counties

#### Berks

1 in every 876

#### Delaware

1 in every 1159

#### Philadelphia

1 in every 1173

#### Monroe

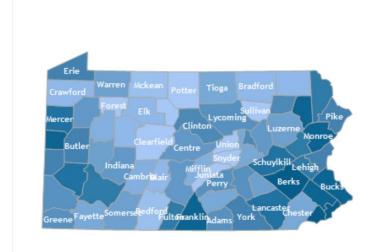
1 in every 1257

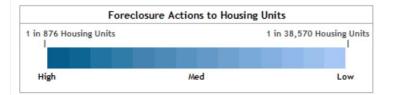
#### Lawrence

1 in every 1277

Add this map to your website.

GET EMBED CODE





1 out of every 1,173 homes in Philadelphia is currently in the process of foreclosure, which is down slightly from 1 out of every 1,105 homes in the previous quarter.

In the entire Commonwealth, 1 out of every 2,009 homes in Pennsylvania is in the process of foreclosure, which is also down slightly from 1 out of every 1,988 homes in the previous quarter.



## New Jersey Foreclosure Rates

FORECLOSURE RATES FOR NEW JERSEY October 2018 New Jersey 1 in every 753 Top 5 Counties Cumberland 1 in every 329 1 in every 357 1 in every 361 1 in every 413 Burlington 1 in every 476 Gloucester Add this map to your website. **GET EMBED CODE** Foreclosure Actions to Housing Units 1 in 329 Housing Units

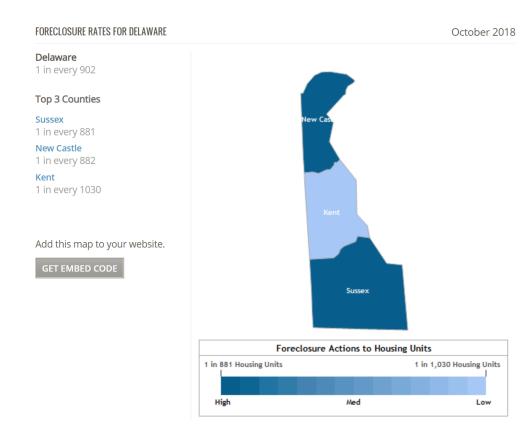
Although South Jersey's foreclosure rate continues to remain the highest in the region, there was some improvement this quarter.

Previously, four of the five counties in New Jersey with the highest foreclosure rates were in South Jersey, with an average foreclosure rate of 1 in every 393 homes.

Camden and Atlantic Counties are no longer in this grouping, although Burlington County now is.
Currently, the average foreclosure rate is 1 in every 389 homes in South Jersey, which is still well above the state's average of 1 in every 753 homes.



## Delaware Foreclosure Rates



Sussex County passed Kent County to take the lead as the Delaware jurisdiction with the highest foreclosure rate this quarter.

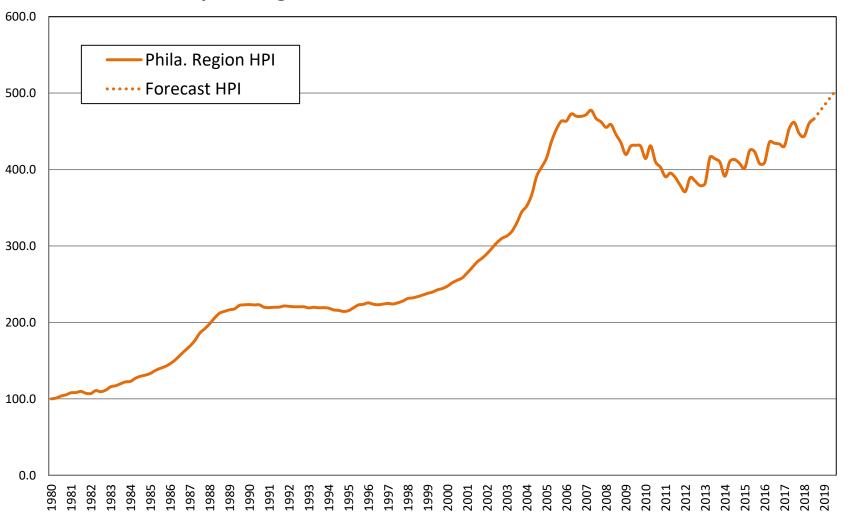
The foreclosure rate for New Castle County declined significantly in Q3, from 1 in every 691 homes to 1 in every 882.

Kent County's foreclosure rate also fell dramatically, from 1 in every 694 homes to 1 in every 1,030.

But, Sussex County's foreclosure rate increased substantially, from 1 in every 1,427 homes to 1 in every 881.



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



Zillow.com is currently forecasting the Philadelphia region's house prices to rise an average of 7.03% over the course of the next twelve months.

Source: http://www.zillow.com/research/

