PHILADELPHIA REGIONAL HOUSE PRICE INDICES

February 5, 2018



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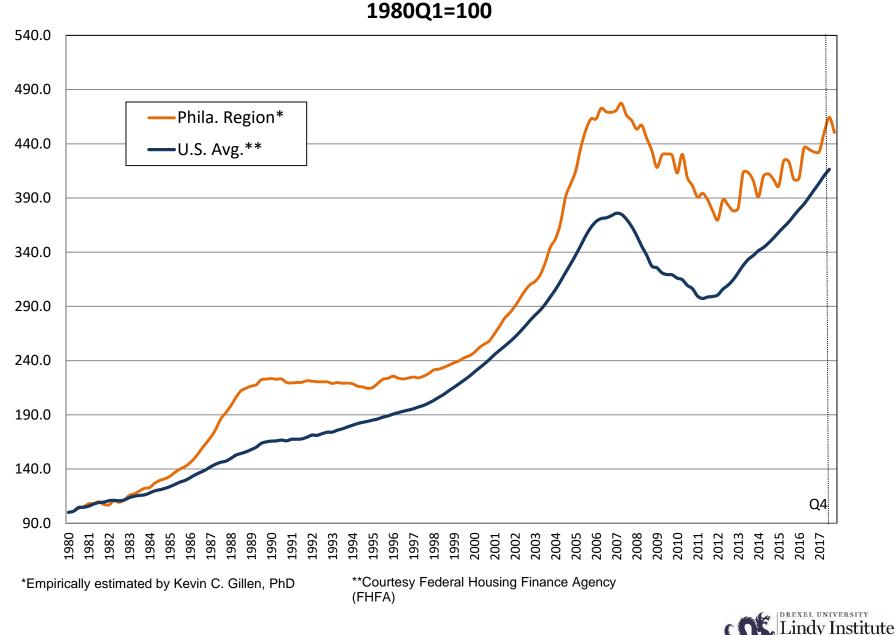
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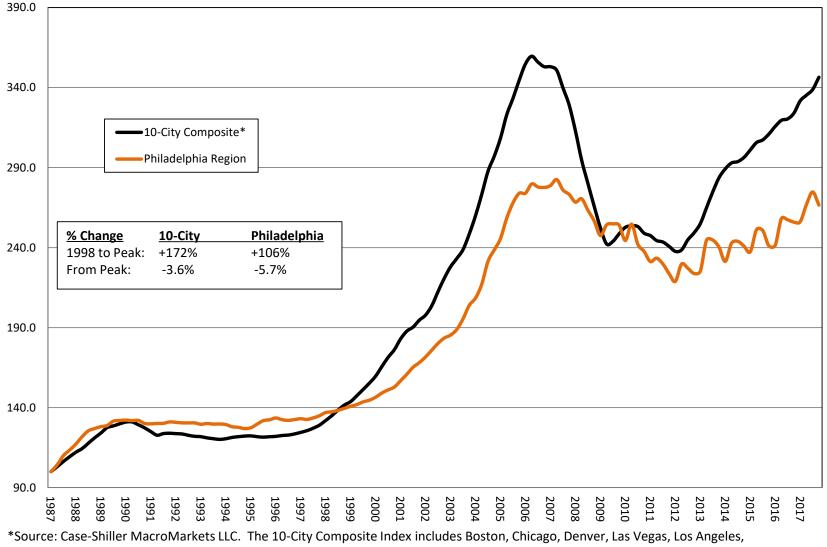


Philadelphia Regional House Price Indices 1980-2017



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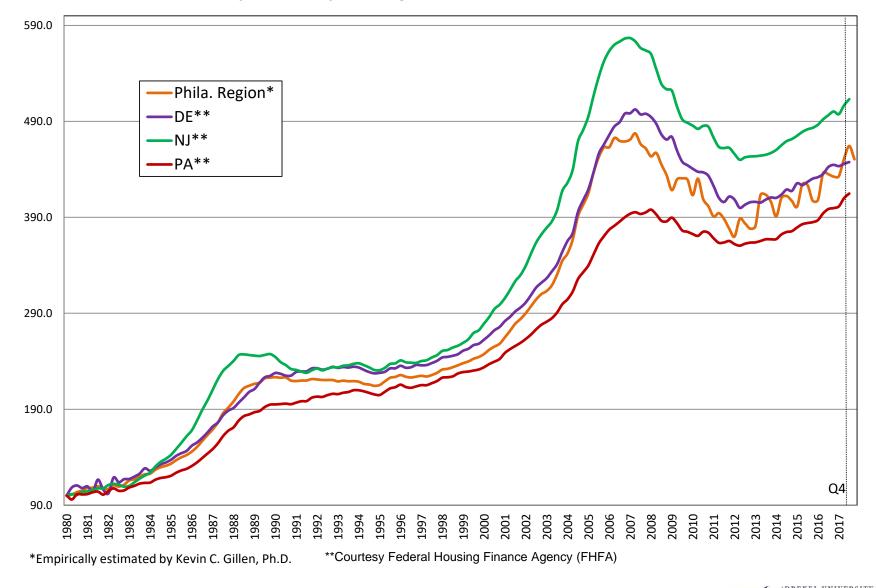
House Price Appreciation 1987-2017: Philadelphia Region v. 10-City U.S. Composite



Miami, New York, San Diego, San Francisco and Washington DC. It does not include Philadelphia.

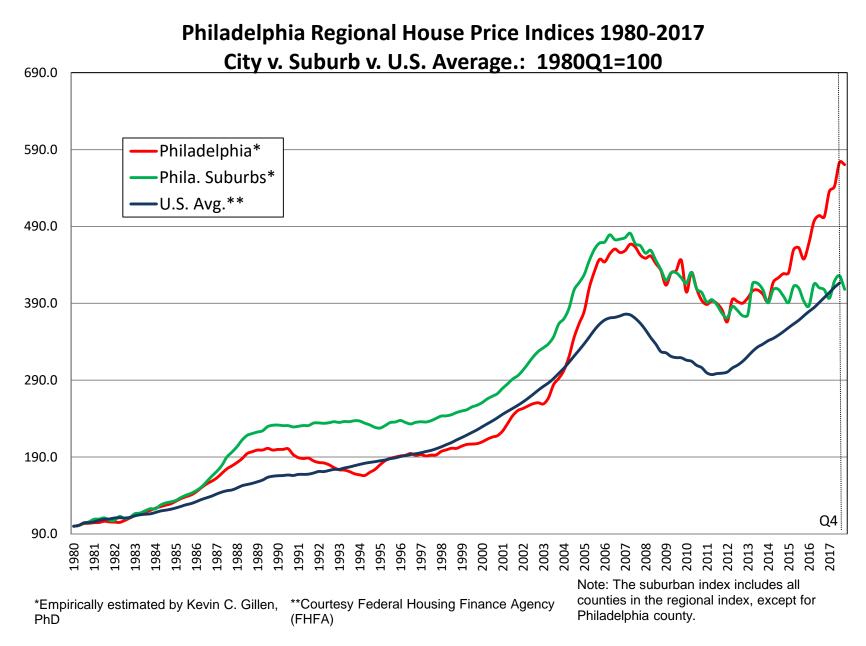


Philadelphia Regional House Price Indices 1980-2017 by Philadelphia Region and State: 1980Q1=100

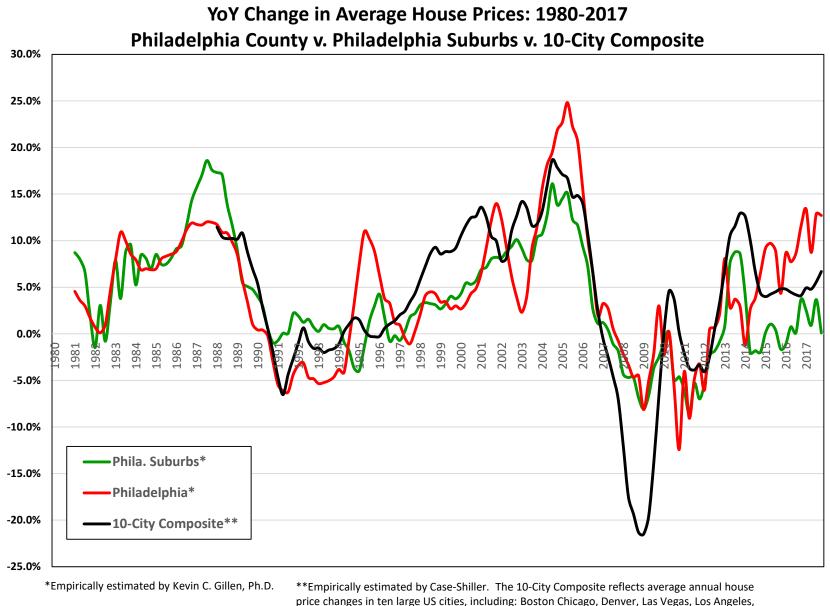


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Miami, New York, San Diego, San Francisco and Washington DC. It does not include Philadelphia.



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

Period	Philadelphia County*	Philadelphia Suburbs*	U.S.A. **
38-Year	174.1%	140.6%	142.7%
10-Year	23.1%	-13.0%	11.7%
1-Year	12.7%	0.1%	6.3%
1-Quarter	-0.5%	-4.2%	1.4%

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

**Source: U.S. Federal Housing Finance Agency (FHFA). These numbers are through 2017Q3 only. "MSA"="Metropolitan Statistical Area", which is the entire 10-county region.

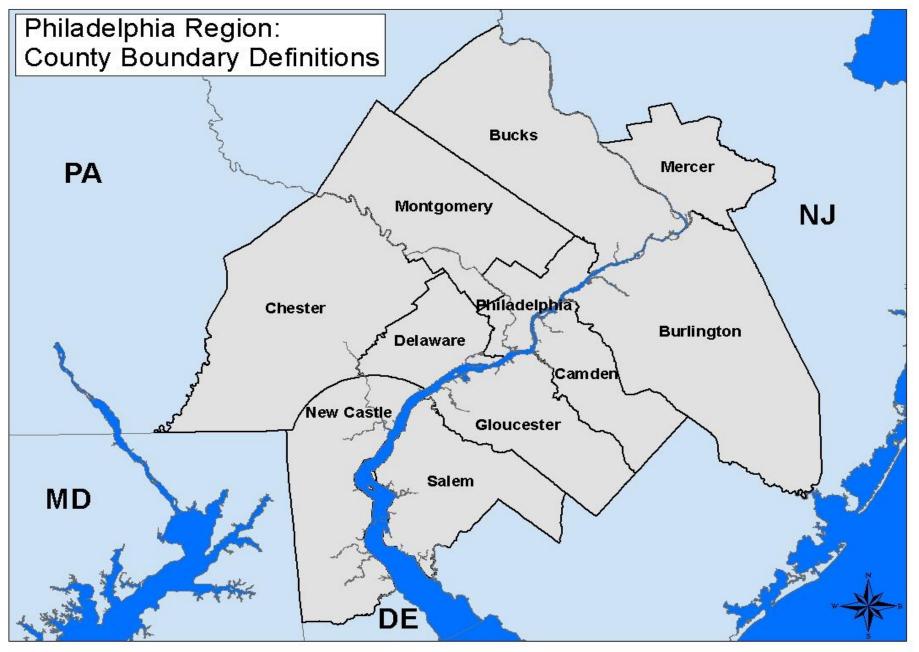


Philadelphia Region House Price Appreciation Rates by County

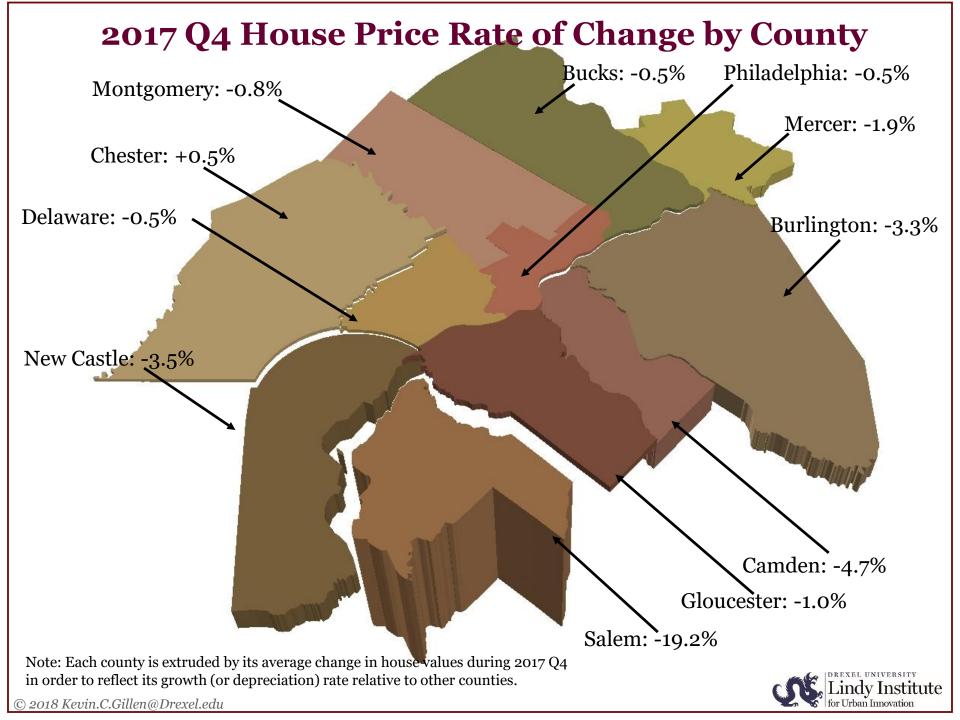
Period	Philadelphia	Bucks	Chester	Delaware	Montgomery	New Castle	Mercer	Burlington	Camden	Gloucester	Salem
38-Year	174%	164%	160%	137%	150%	133%	161%	120%	114%	133%	93%
10-Year	23.1%	-1.1%	2.4%	-10.4%	-5.4%	-15.6%	-11.2%	-25.3%	-31.4%	-19.5%	-60.7%
1-Year	12.7%	6.2%	5.2%	5.7%	4.7%	1.0%	4.0%	1.1%	0.1%	0.4%	-15.2%
1-Quarter	-0.5%	-0.5%	0.5%	-0.5%	-0.8%	-3.5%	-1.9%	-3.3%	-4.7%	-1.0%	-19.2%

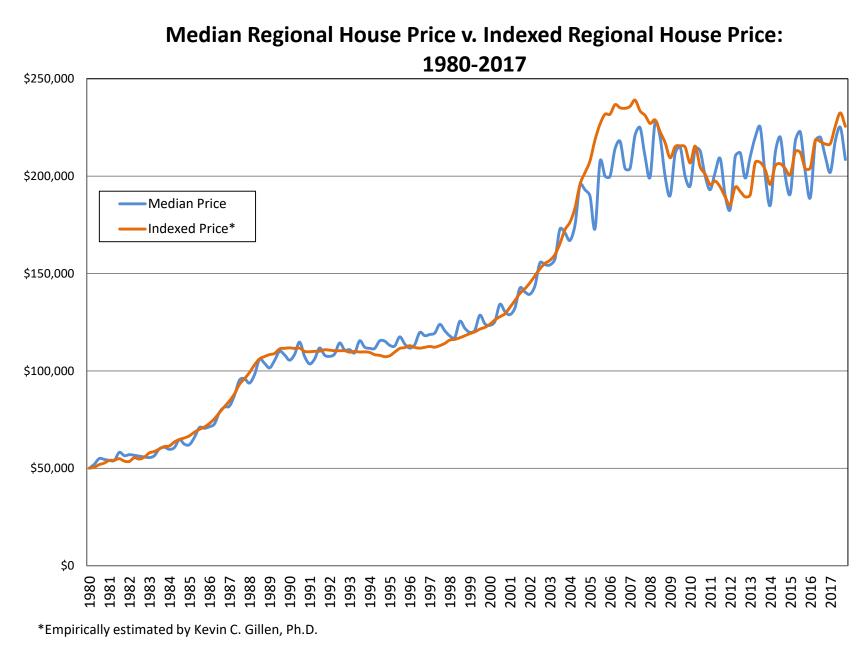
All county-level indices and appreciation rates estimated by Kevin C. Gillen, Ph.D.





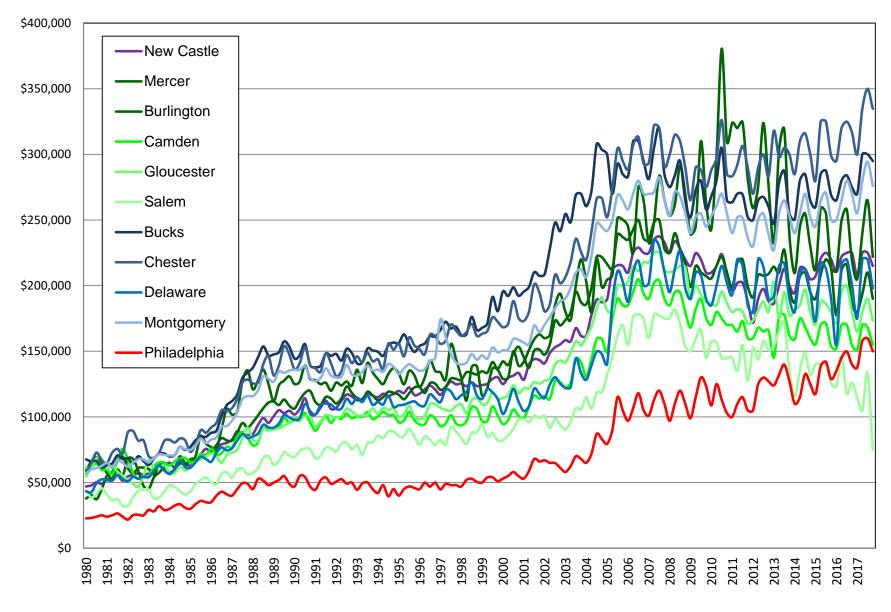






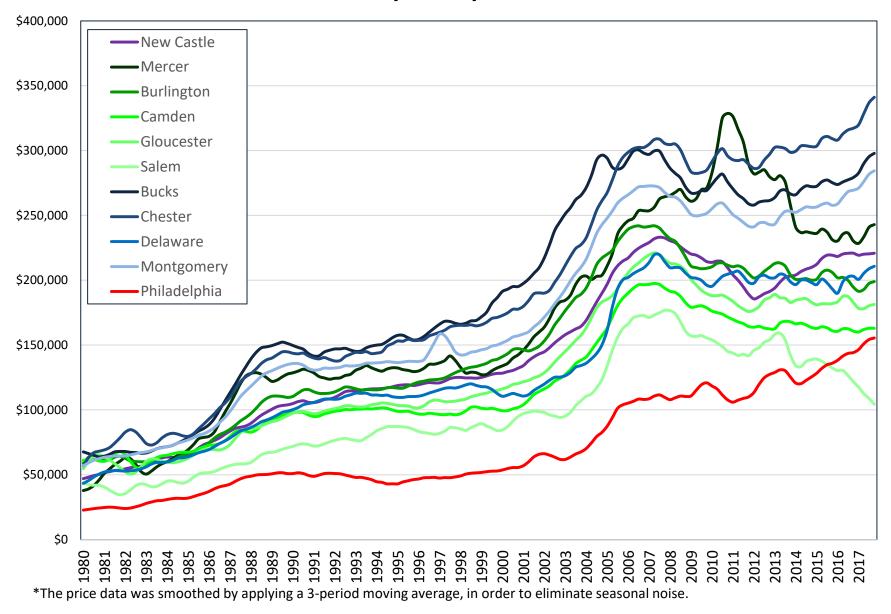


Median House Price by County: 1980-2017

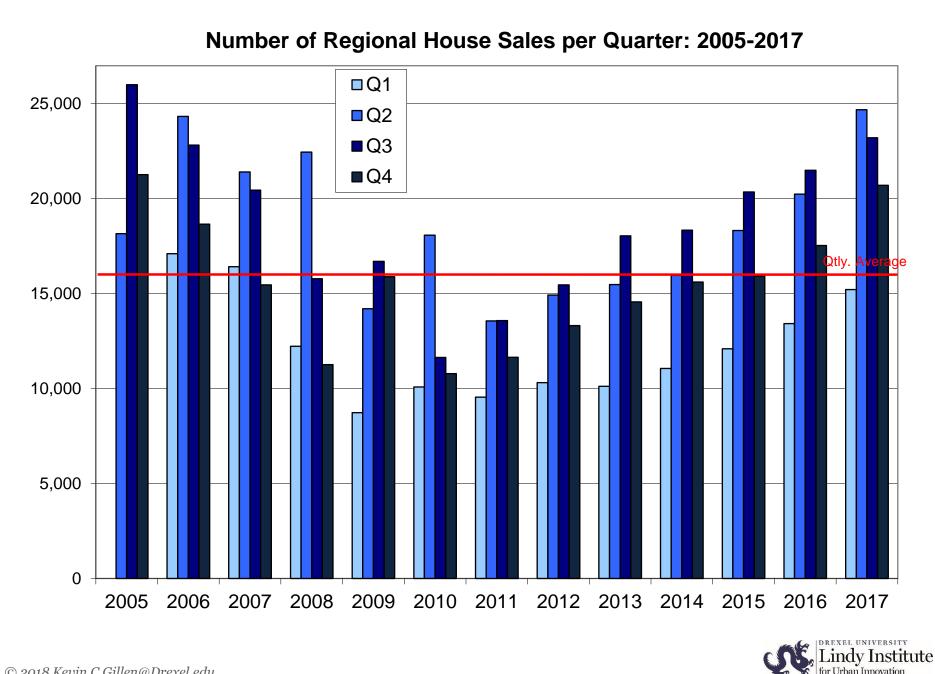


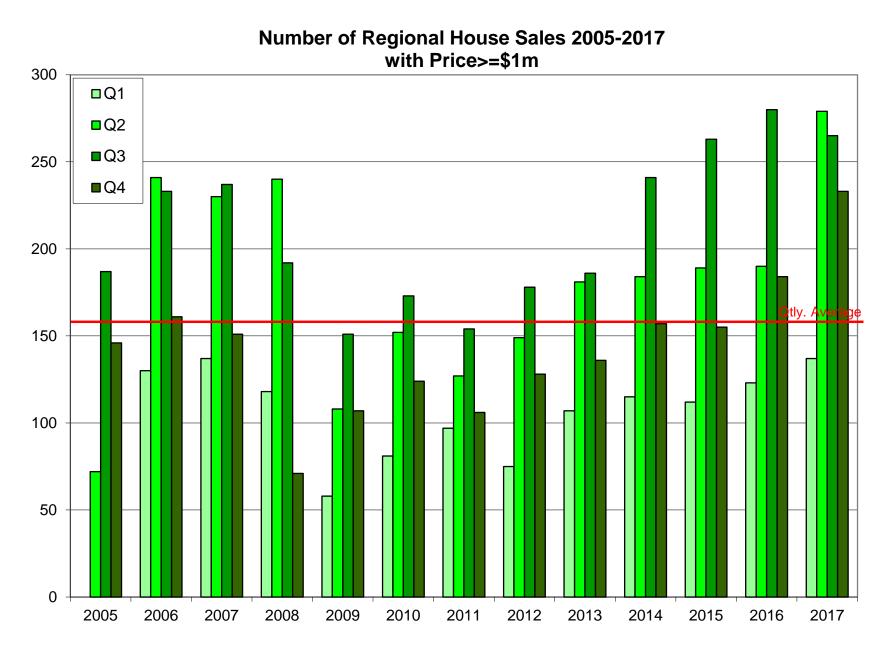


Median House Price by County, Smoothed*: 1980-2017



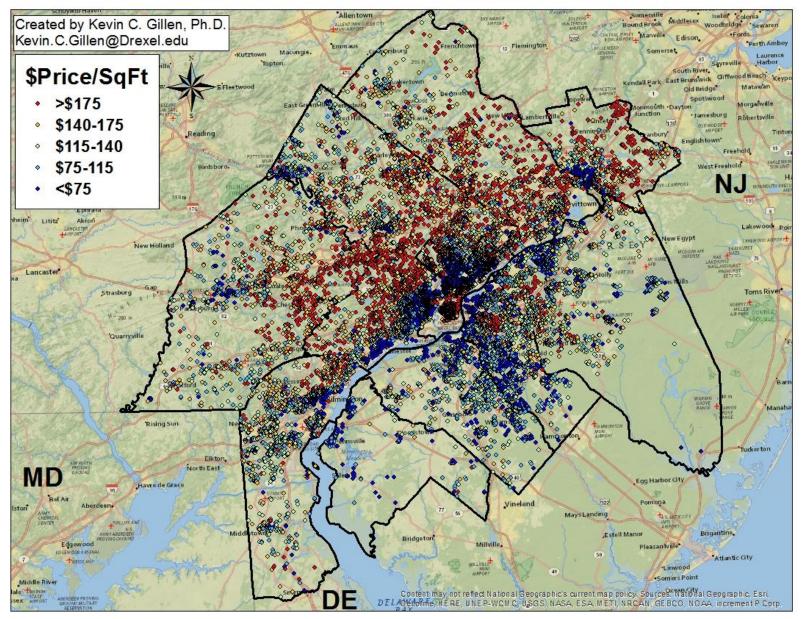






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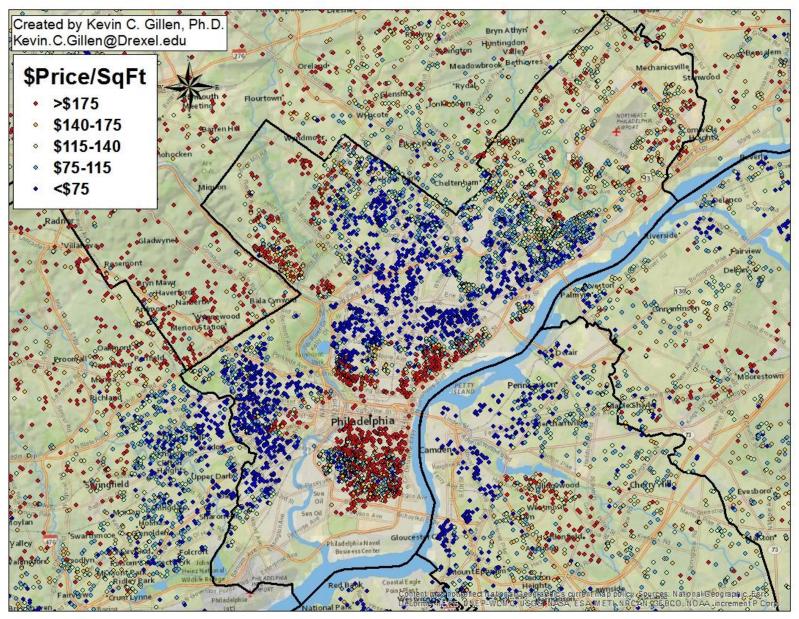
Philadelphia Region House Sales in 2017 Q4



Note: the categories for \$price/sqft are based upon the quintiles of its distribution. Hence, exactly 20% of all sales fall into each one of the five categories.



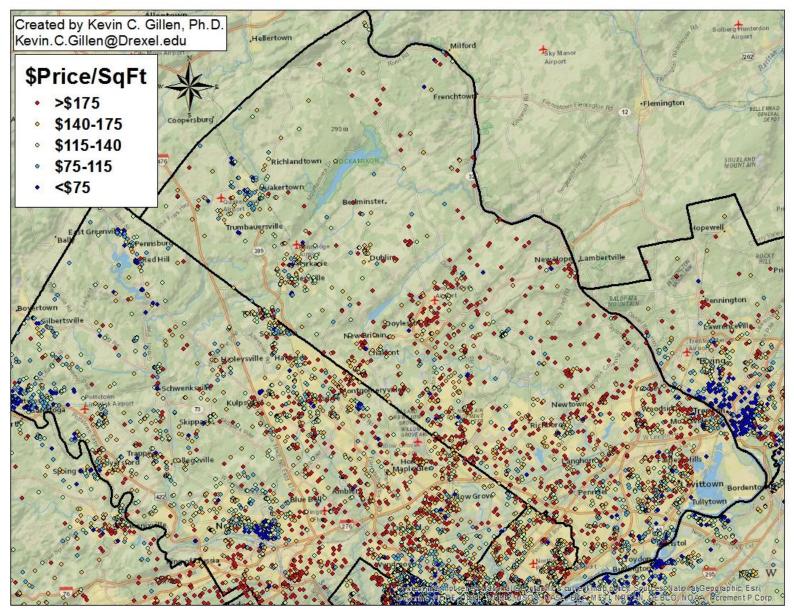
Philadelphia County House Sales in 2017 Q4



Note: the categories for \$price/sqft are based upon the quintiles of its distribution. Hence, exactly 20% of all sales fall into each one of the five categories.



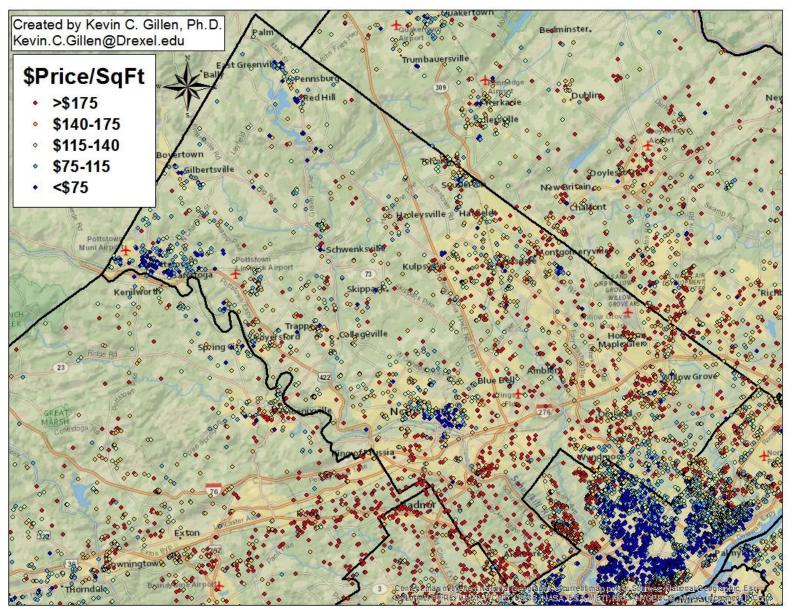
Bucks County House Sales in 2017 Q4



Note: the categories for \$price/sqft are based upon the quintiles of its distribution. Hence, exactly 20% of all sales fall into each one of the five categories.



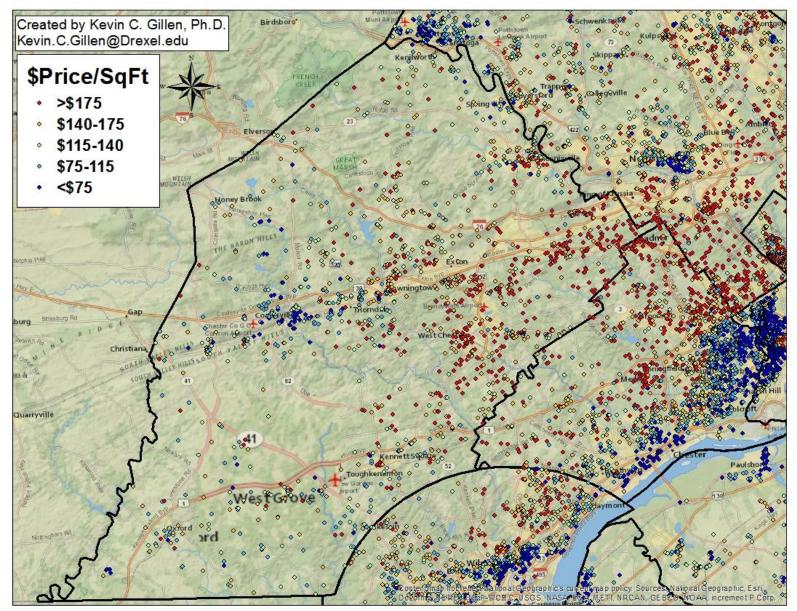
Montgomery County House Sales in 2017 Q4



Note: the categories for \$price/sqft are based upon the quintiles of its distribution. Hence, exactly 20% of all sales fall into each one of the five categories.



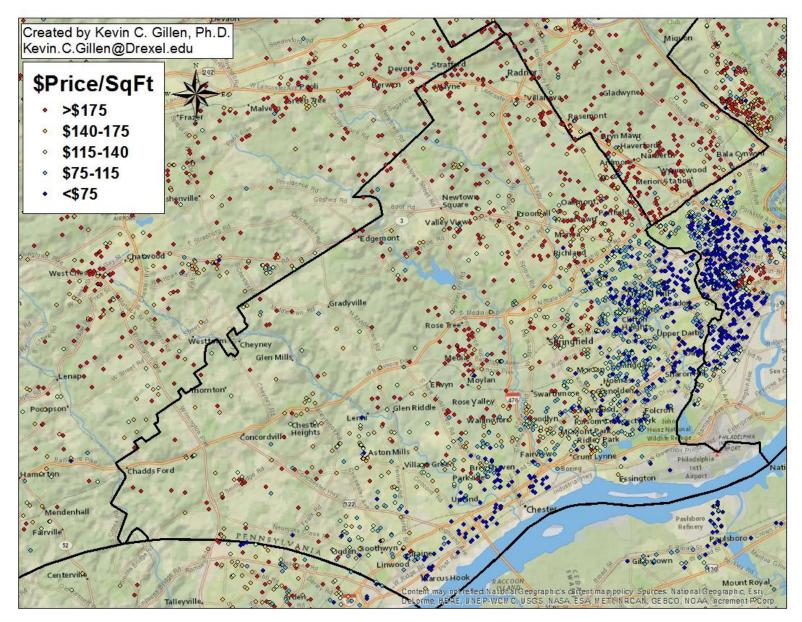
Chester County House Sales in 2017 Q4



Note: the categories for \$price/sqft are based upon the quintiles of its distribution. Hence, exactly 20% of all sales fall into each one of the five categories.



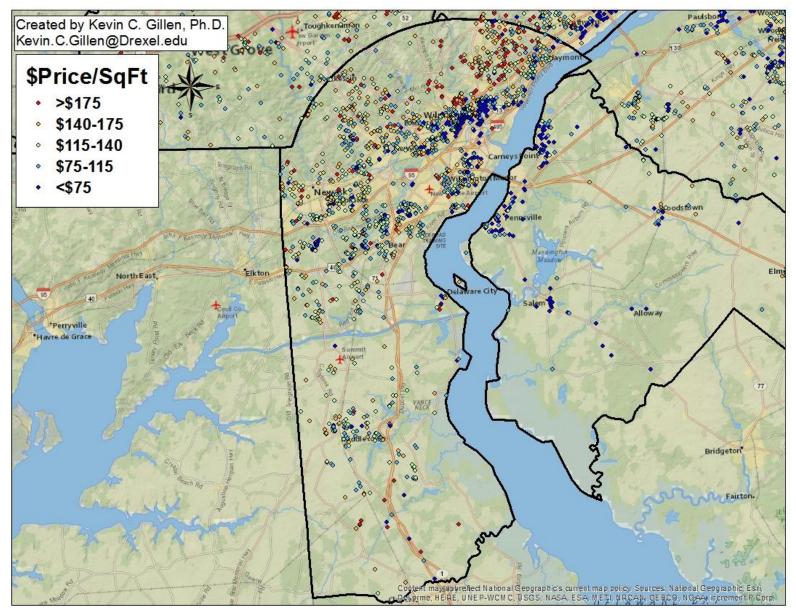
Delaware County House Sales in 2017 Q4



Note: the categories for \$price/sqft are based upon the quintiles of its distribution. Hence, exactly 20% of all sales fall into each one of the five categories.



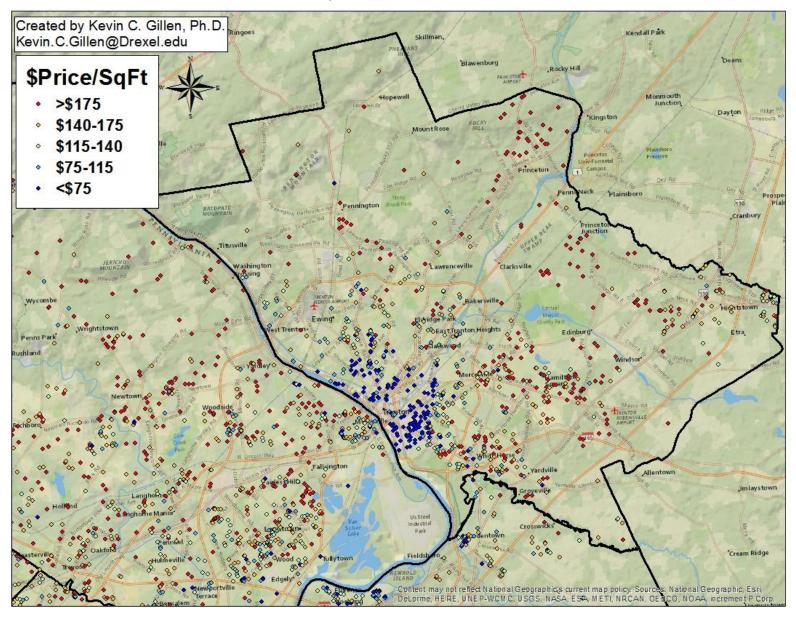
New Castle County House Sales in 2017 Q4



Note: the categories for \$price/sqft are based upon the quintiles of its distribution. Hence, exactly 20% of all sales fall into each one of the five categories.



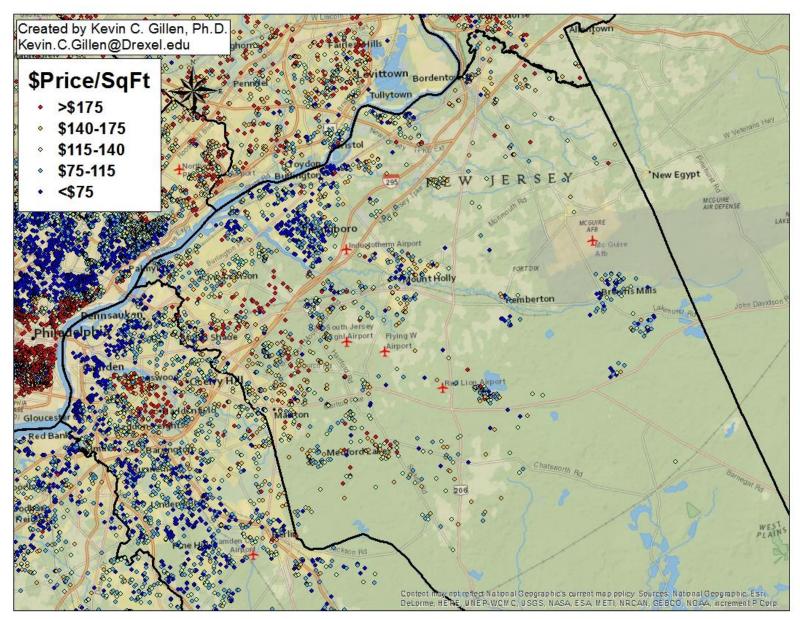
Mercer County House Sales in 2017 Q4



Note: the categories for \$price/sqft are based upon the quintiles of its distribution. Hence, exactly 20% of all sales fall into each one of the five categories.



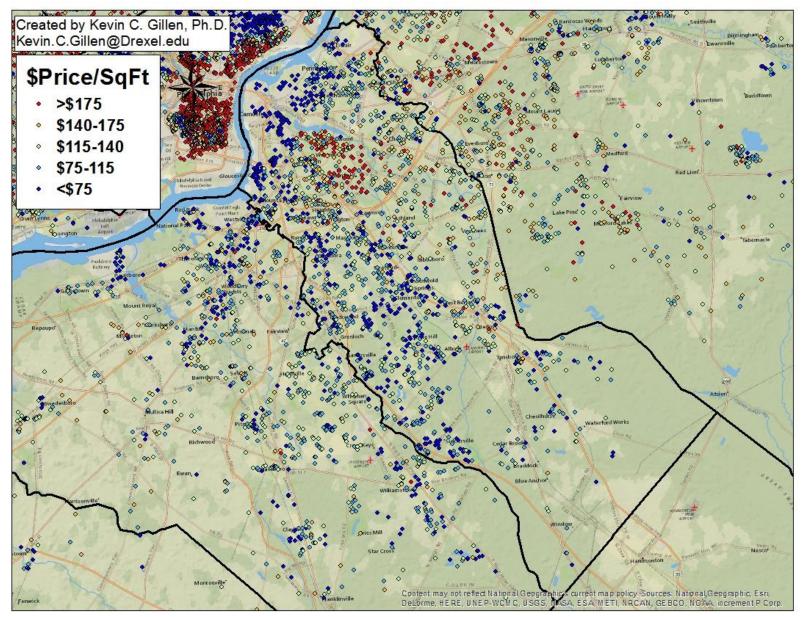
Burlington County House Sales in 2017 Q4



Note: the categories for \$price/sqft are based upon the quintiles of its distribution. Hence, exactly 20% of all sales fall into each one of the five categories.



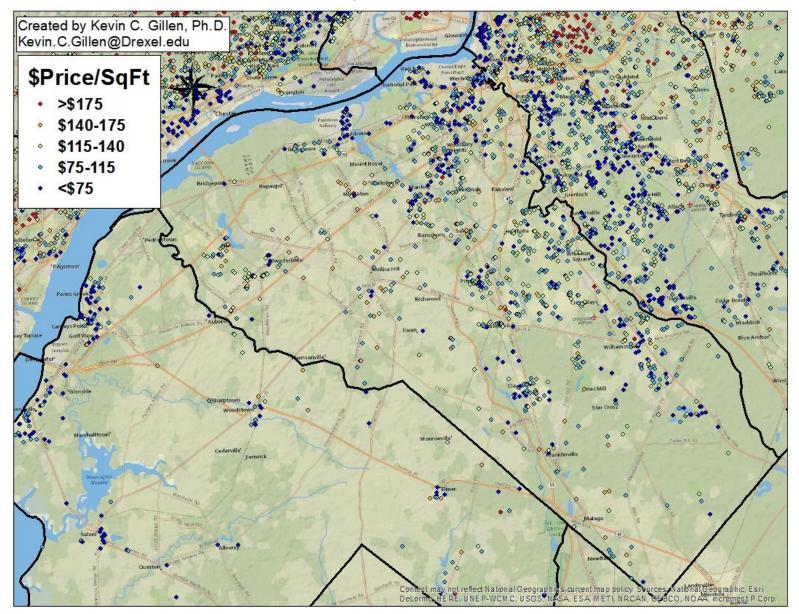
Camden County House Sales in 2017 Q4



Note: the categories for \$price/sqft are based upon the quintiles of its distribution. Hence, exactly 20% of all sales fall into each one of the five categories.



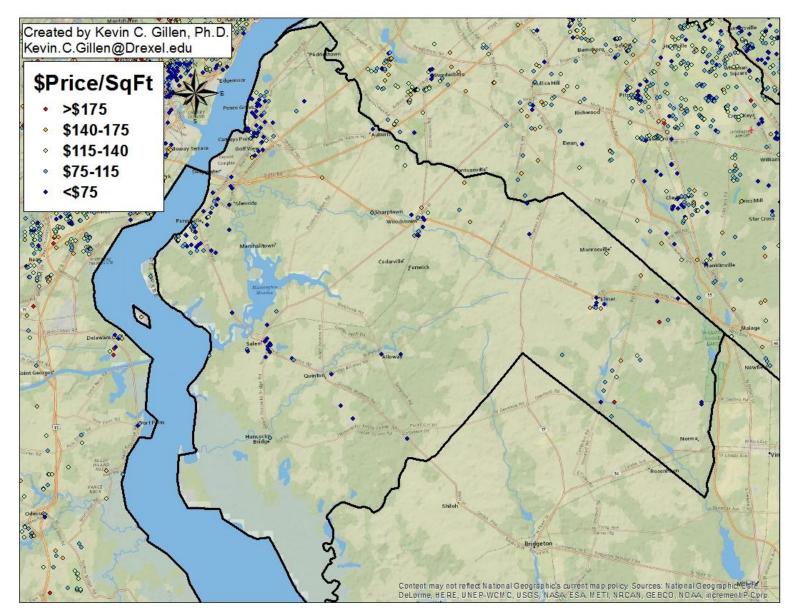
Gloucester County House Sales in 2017 Q3



Note: the categories for \$price/sqft are based upon the quintiles of its distribution. Hence, exactly 20% of all sales fall into each one of the five categories.



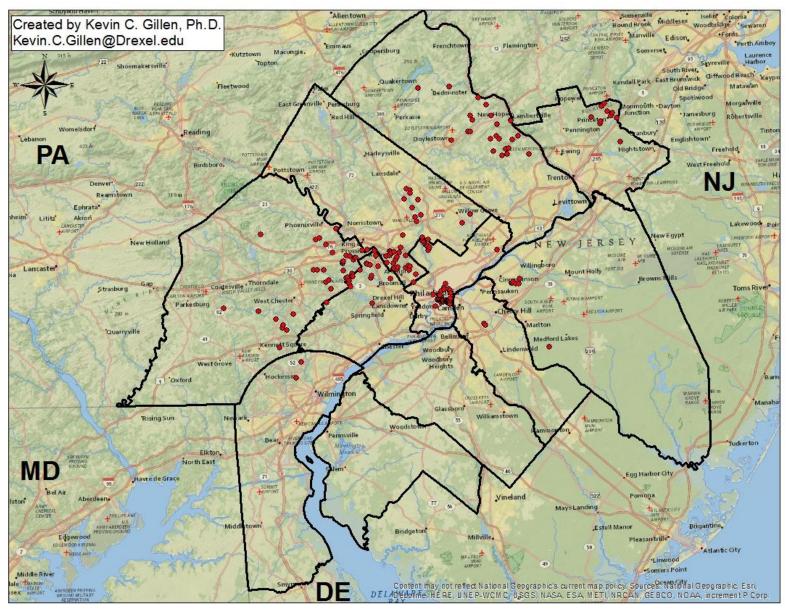
Salem County House Sales in 2017 Q4



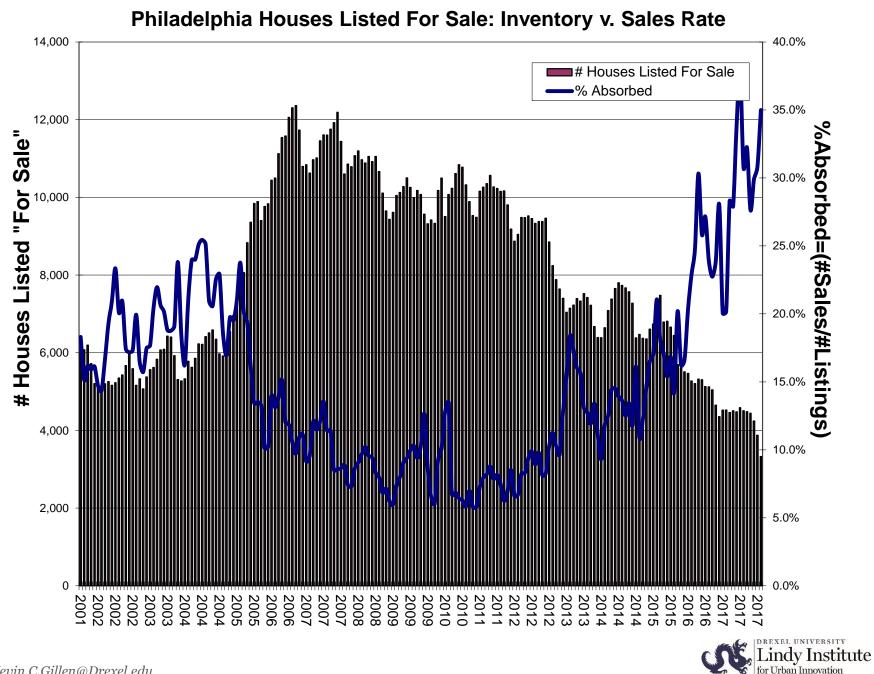
Note: the categories for \$price/sqft are based upon the quintiles of its distribution. Hence, exactly 20% of all sales fall into each one of the five categories.

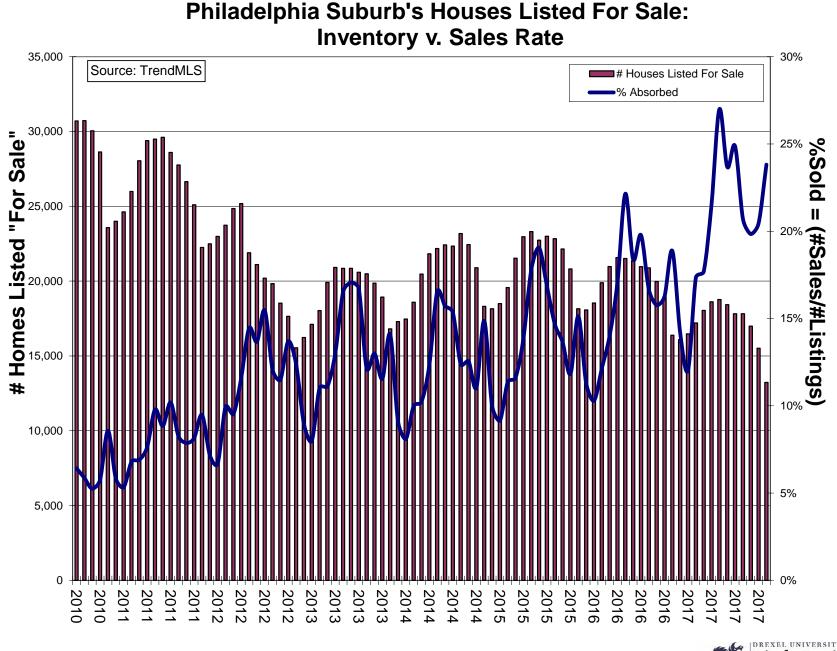


+\$1 Million Dollar House Sales in 2017 Q4



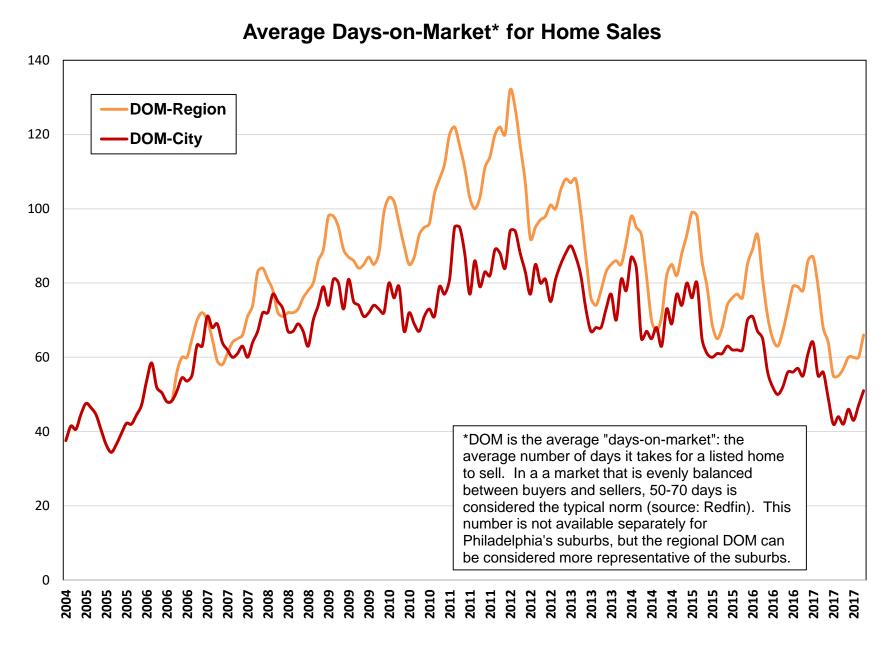






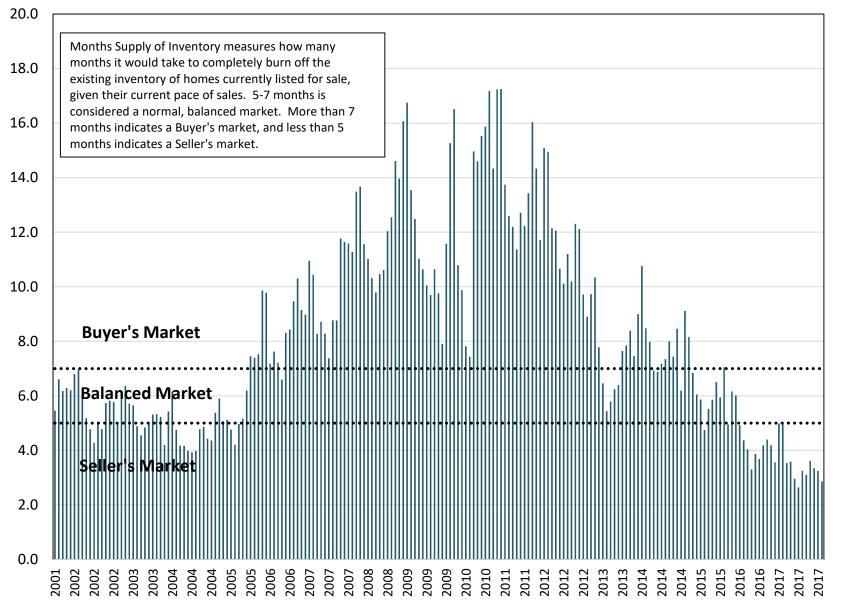
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Months Supply of Inventory in Philadelphia







20.0 Months Supply of Inventory measures how many months it would take to completely burn off the 18.0 existing inventory of homes currently listed for sale, given their current pace of sales. 5-7 months is considered a normal, balanced market. More than 7 months indicates a Buyer's market, and less 16.0 than 5 months indicates a Seller's market. 14.0 12.0 10.0 8.0 **Buyer's Market** 6.0 **Balanced Market** 4.0 Seller's Marke 2.0 0.0 $\begin{array}{c} 2010\\ 2010\\ 2011\\ 2011\\ 2011\\ 2011\\ 2011\\ 2011\\ 2012\\ 2012\\ 2012\\ 2012\\ 2012\\ 2012\\ 2012\\ 2012\\ 2012\\ 2012\\ 2012\\ 2013\\ 2012\\ 2012\\ 2012\\ 2013\\ 2012\\ 2012\\ 2013\\ 2014\\ 2015\\ 2015\\ 2016\\ 2017\\$

Months Supply of Inventory in Philadelphia Suburbs

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Pennsylvania Foreclosure Rates

FORECLOSURE RATES FOR PENNSYLVANIA

Pennsylvania 1 in every 1767

Top 5 Counties

Delaware 1 in every 767

Berks 1 in every 920

Lackawanna

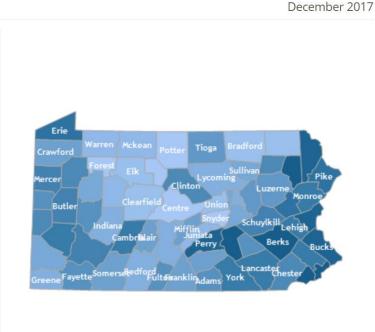
1 in every 948 Philadelphia

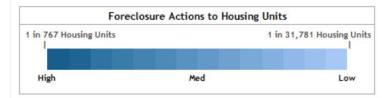
1 in every 1084

Dauphin 1 in every 1097

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1 out of every 1,084 homes in Philadelphia is currently in the process of foreclosure, which is up from 1 out of every 1,105 homes in the previous quarter.

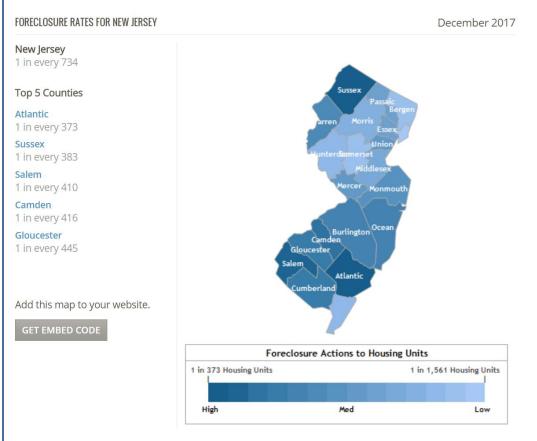
In the entire

Commonwealth, 1 out of every 1,767 homes in Pennsylvania is in the process of foreclosure, which is also up from 1 out of every 1,912 homes in the previous quarter.



Source: http://www.realtytrac.com/statsandtrends/foreclosuretrends/pa © 2018 Kevin.C.Gillen@Drexel.edu

New Jersey Foreclosure Rates



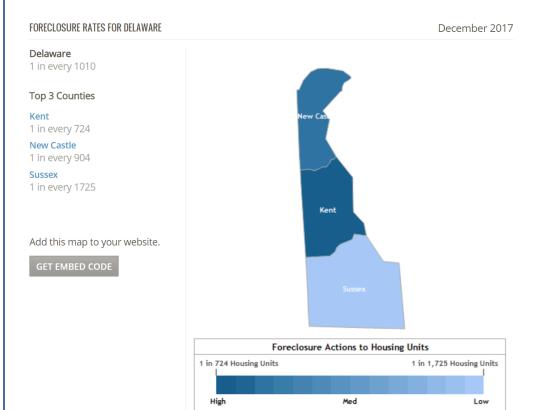
South Jersey's foreclosure rate continues to remain the highest in the region, but showed significant improvement this quarter.

The six counties in Southern NJ (excluding Cape May) collectively have a foreclosure rate averaging one in every 450 homes. This is well above the statewide average of 1 in every 734 homes.

But, the foreclosure rate for South Jersey dropped substantially this quarter, from its previous level of 1 in every 285 homes in the previous quarter.



Delaware Foreclosure Rates

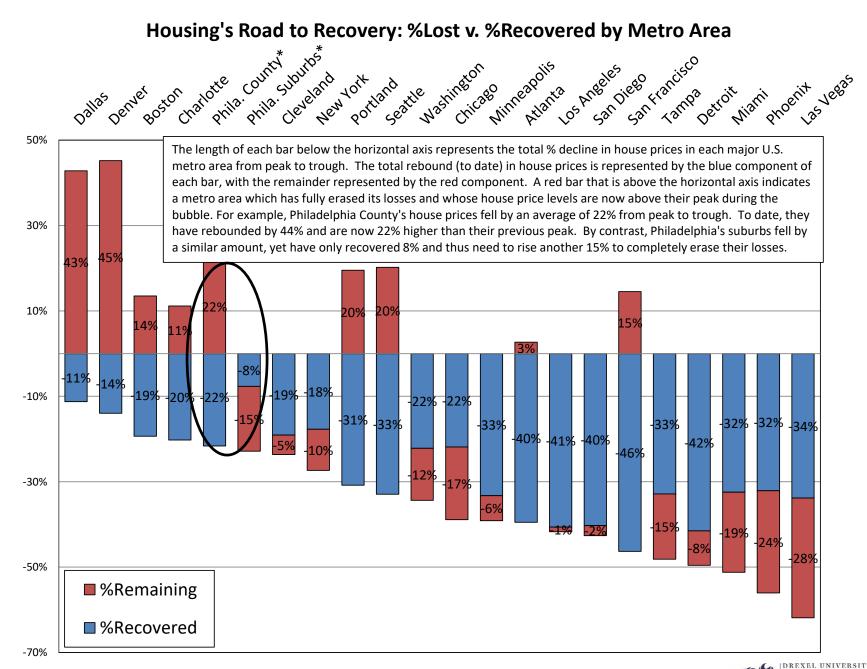


Kent county in central Delaware leads the state with the highest foreclosure rate, with one in every 724 homes.

Next is New Castle county, with one in every 904 homes, followed by Sussex county with one in every 1,725 homes being in the process of foreclosure.



Source: http://www.realtytrac.com/statsandtrends/foreclosuretrends/de © 2018 Kevin.C.Gillen@Drexel.edu



*Empirically estimated by Kevin C. Gillen, Ph.D. All other metros courtesy of S&P Case-Shiller.

