PHILADELPHIA HOUSE PRICE INDICES



April 28, 2015

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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 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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Total House Price Appreciation Rates by Geographic Market

| Period | Philadelphia County* | Philadelphia MSA** | U.S.A.** |
|-----------|-------------------------|-----------------------|----------|
| 36-Year | 137.8% | 169.1% | 127.6% |
| 10-Year | 4.5% | 19.3% | 8.4% |
| 1-Year | 4.1% | 2.0% | 4.8% |
| 1-Quarter | -0.3% | -1.0% | 1.3% |

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

**Source: U.S. Federal Housing Finance Agency (FHFA). These numbers are through 2014Q4 only. "MSA"="Metropolitan Statistical Area", which is the entire 10-county region.

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*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 Philadel Philatel Phila



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| Period | Center City/ Fairmount | Kensington /Frankford | Lower NE Phila. | North Phila. | NW Phila. | South Phila. | Univ. City | Upper NE Phila. | West Phila. |
|-----------|------------------------------|--------------------------|-----------------------|-----------------|--------------|-----------------|---------------|-----------------------|----------------|
| 36-year | 162.0% | 150.3% | 125.3% | 150.9% | 163.8% | 193.7% | 186.1% | 161.9% | 157.7% |
| 10-year | 7.8% | 15.5% | -1.3% | 19.2% | 0.3% | 44.0% | 13.6% | 9.0% | 31.5% |
| 1-Year | -1.8% | 0.0% | 1.4% | 0.6% | -3.6% | 6.3% | 10.2% | 1.1% | 8.9% |
| 1-Quarter | -1.4% | -1.7% | -0.8% | -4.1% | -2.6% | 1.0% | 6.9% | 0.5% | 0.4% |

Philadelphia House Price Appreciation Rates by Neighborhood

This table gives the total % change in house prices by neighborhood, through 2015 Q1, from different starting points in time.



Philadelphia Submarket Boundaries



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

*Only arms-length transactions between private sector entities were included in these numbers. **MEYERS RESEARCH** © 2015 Drexel University | Kevin.C.Gillen@Drexel.edu *a Kennedy Wilson Company*

Number of Philadelphia Home Sales* per Quarter with Price>=\$1 Million: 1997-2015 □Q1 ■Q2 ■Q3 ■Q4 Qtly. Average

*Only arms-length transactions between private sector entities were included in these numbers. **MEYERS RESEARCH** © 2015 Drexel University | Kevin.C.Gillen@Drexel.edu

Philadelphia House Sales in 2015 Q1



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Center City House Sales in 2015 Q1





South Philadelphia House Sales in 2015 Q1



Kensington/Frankford House Sales in 2015 Q1



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West Philadelphia House Sales in 2015 Q1

North Philadelphia House Sales in 2015 Q1



Northwest Philadelphia House Sales in 2015 Q1



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Northeast Philadelphia House Sales in 2015 Q1



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+\$1 Million Dollar House Sales in 2015 Q1

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Philadelphia House Price Diffusion Index



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Philadelphia House Prices: Declines v. House Price Index



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Dispersion Index of Philadelphia Housing



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Philadelphia Housing Affordability* Index: 1980-2015



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





Source: finance

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%Market Share of Philadelphia Home Sales by Price Category: 2000-2015



Philadelphia House Price Index and 1-Year Forecast



Zillow currently rates the Philadelphia housing market as "cold", which is a downgrade from its previous quarter's rating of "cool". However, Zillow is also forecasting Philadelphia house prices to rise an average of 2.3% over the next year, which is an upgrade of its previous quarter's annual forecast of 0.5%.

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