PHILADELPHIA HOUSE PRICE INDICES

September 13, 2021



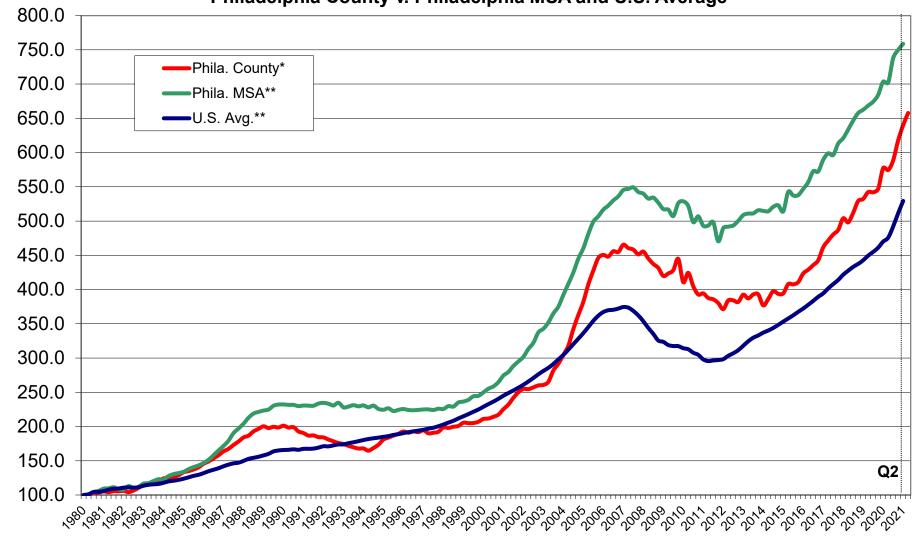
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House Price Indices 1980-2021: 1980Q1=100 Philadelphia County v. Philadelphia MSA and U.S. Average



These HPIs are current through 2021Q1 only.

"MSA"=Metropolitan Statistical Area, which is the entire 10-county region.



^{*} Empirically estimated by Kevin C. Gillen, Ph.D.

^{**}Courtesy of the Federal Housing Finance Agency (FHFA).

Total House Price Appreciation Rates by Geographic Market

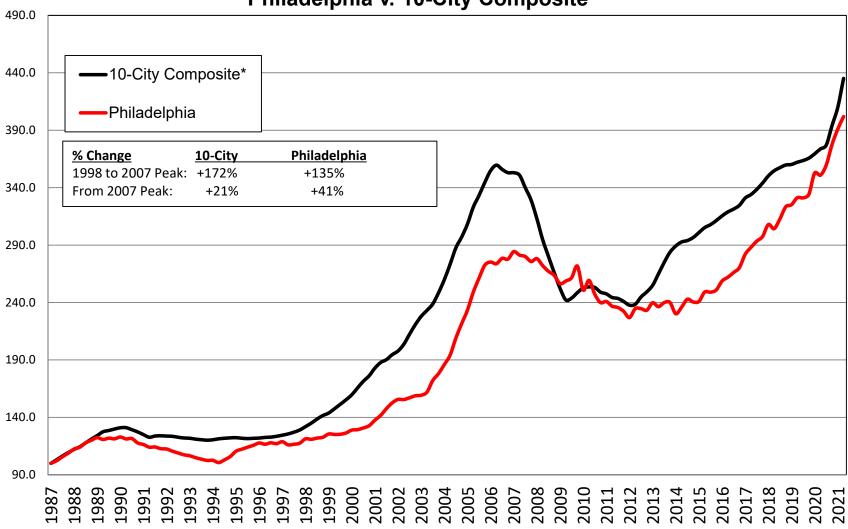
Period	Philadelphia County*	Philadelphia MSA**	U.S.A.**
41-Year	557.8%	658.8%	429.4%
10-Year	69.7%	53.9%	77•7%
1-Year	14.5%	7.9%	12.6%
1-Quarter	2.8%	1.2%	3.5%

^{*}Empirically estimated by Kevin C. Gillen Ph.D.



^{**}Source: U.S. Federal Housing Finance Agency (FHFA). These numbers are through 2021Q1 only. "MSA"="Metropolitan Statistical Area", which is the entire 10-county region.

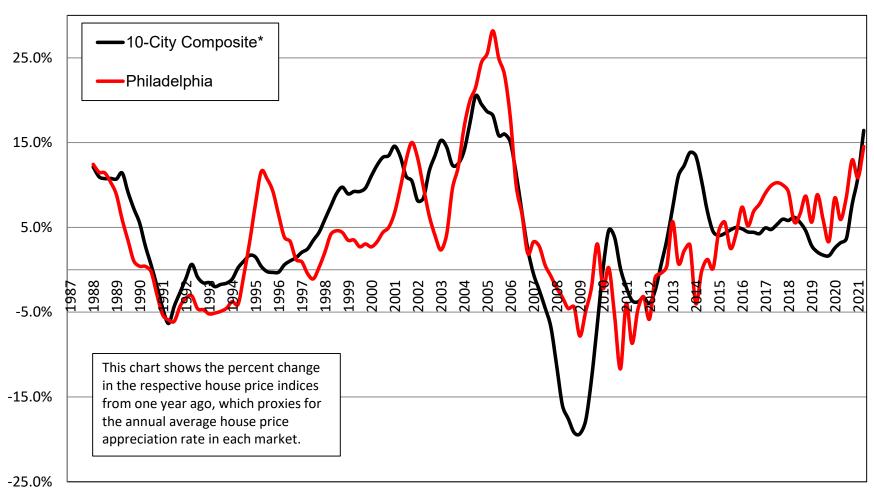
House Price Appreciation 1987-2021: Philadelphia v. 10-City Composite





^{*}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.

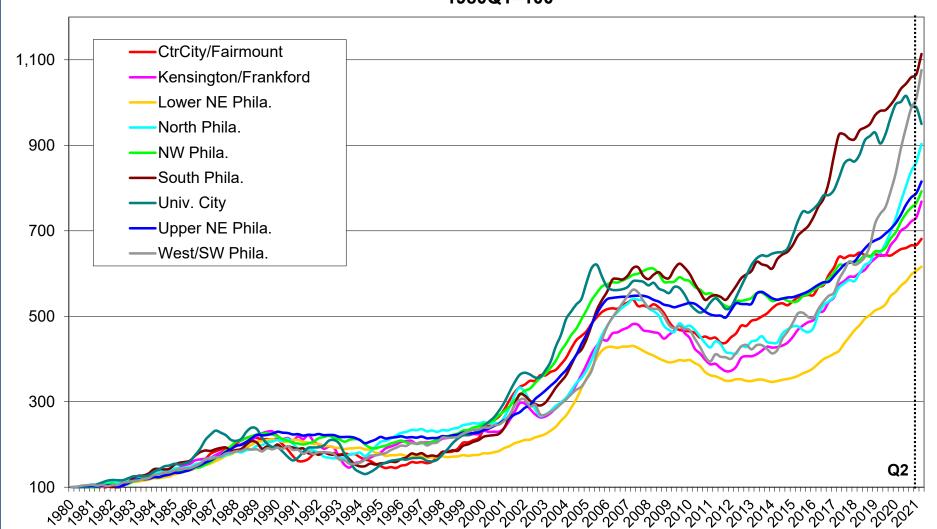
YoY House Price Change (%) 1987-2021: Philadelphia v. 10-City Composite





^{*}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: 1980-2021 1980Q1=100





^{*} All indices empirically estimated by Kevin C. Gillen, Ph.D.

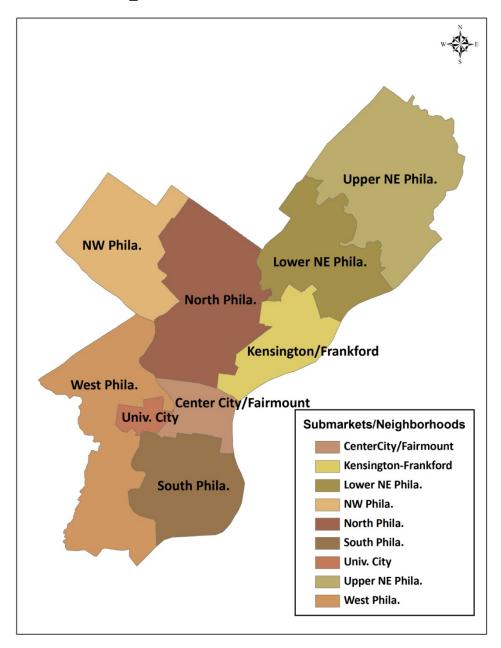
Philadelphia House Price Appreciation Rates by Submarket

Period	Center City/ Fairmount	Kensington /Frankford	Lower NE Phila.	North Phila.	NW Phila.	South Phila.	Univ. City	Upper NE Phila.	West/ SW Phila.
41-year	581.1%	668.3%	516.1%	803.3%	692.3%	1013.6%	850.0%	715.3%	976.0%
10-year	51.4%	97.6%	71.4%	104.7%	44.9%	102.7%	75.3%	62.5%	161.8%
1-Year	3.7%	9.7%	7.8%	17.6%	9.9%	7.9%	-5.2%	10.5%	20.5%
1-Quarter	2.2%	5.0%	1.5%	4.9%	3.6%	4.4%	-3.9%	3.4%	6.5%

This table gives the total % change in average house values by submarket, through 2021 Q2, from different starting points in time.

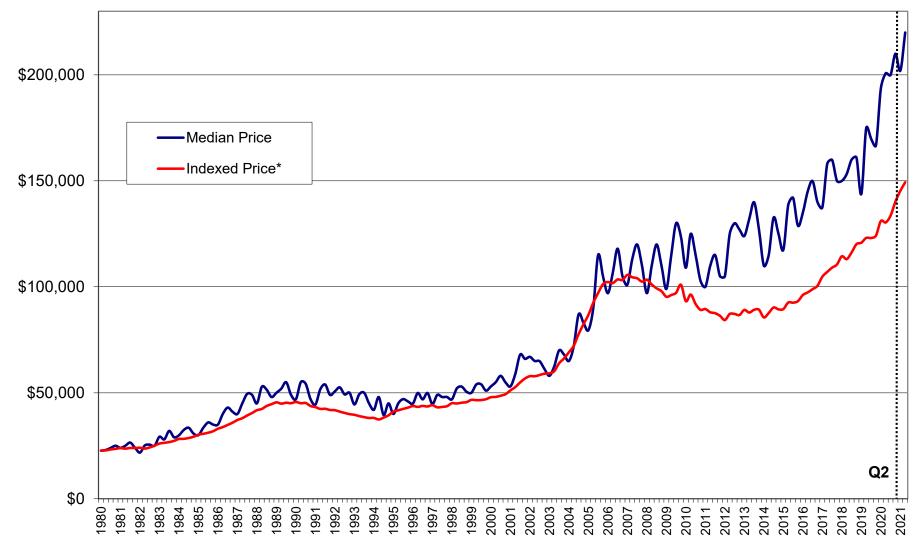


Philadelphia Submarket Boundaries





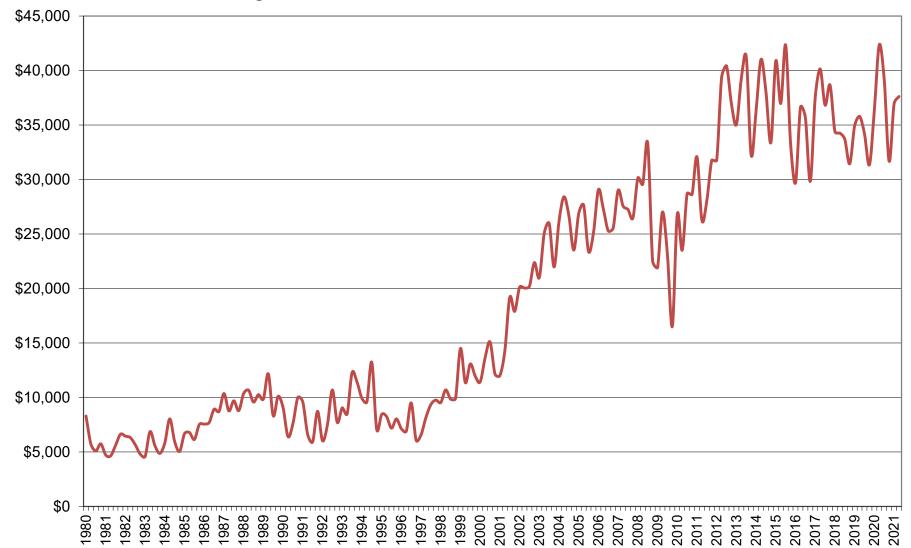
Median Philadelphia House Price v. Indexed Philadelphia House Price 1980-2021





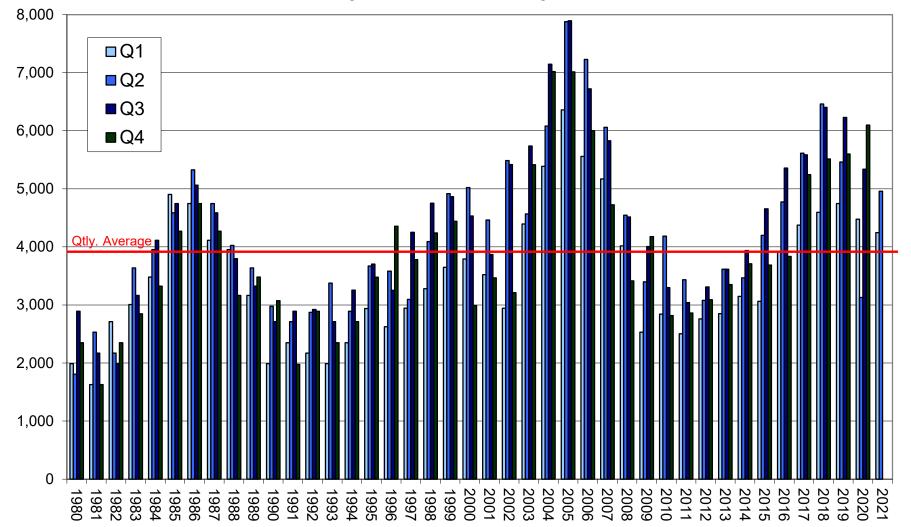
^{*} Empirically estimated by Kevin C. Gillen, Ph.D.

Average House Price Minus Median House Price: 1980-2021



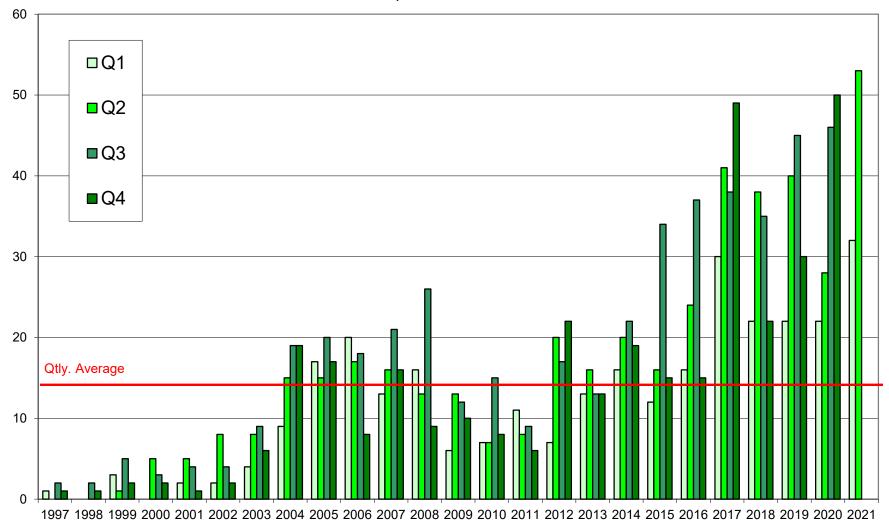


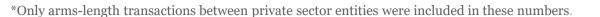
Number of Philadelphia House Sales* per Quarter: 1980-2021





Number of Philadelphia House Sales* per Quarter with Price>=\$1 Million: 1997-2021

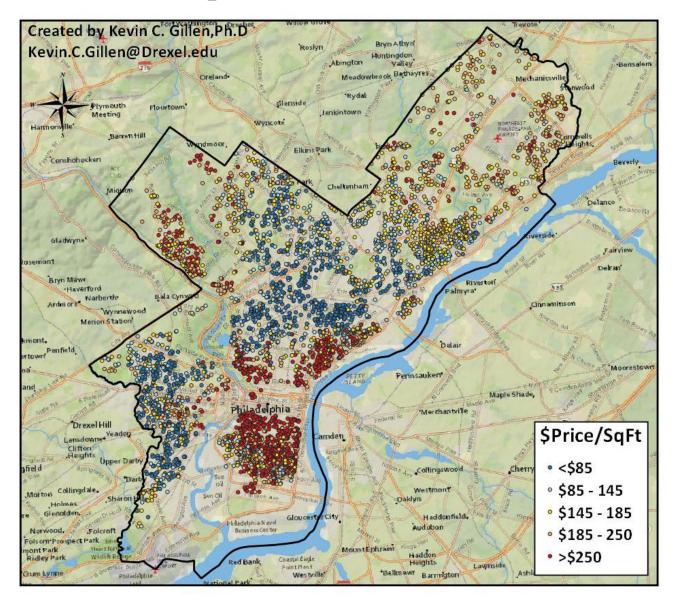


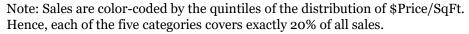






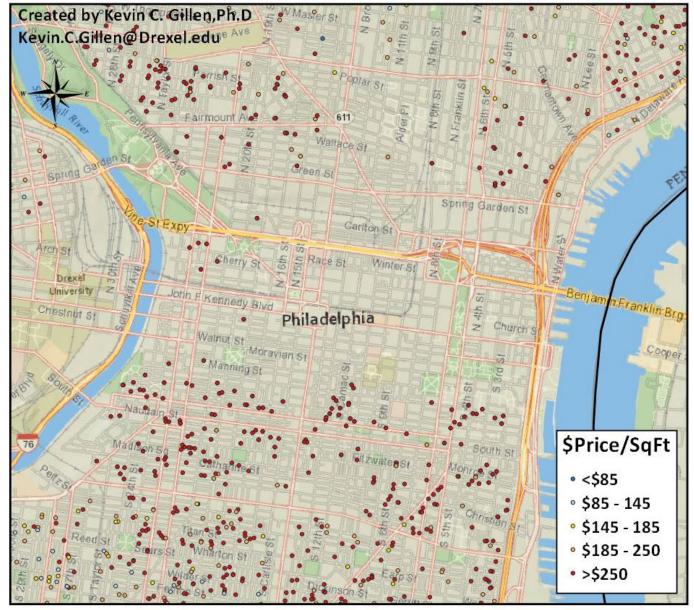
Philadelphia House Sales in 2021 Q2





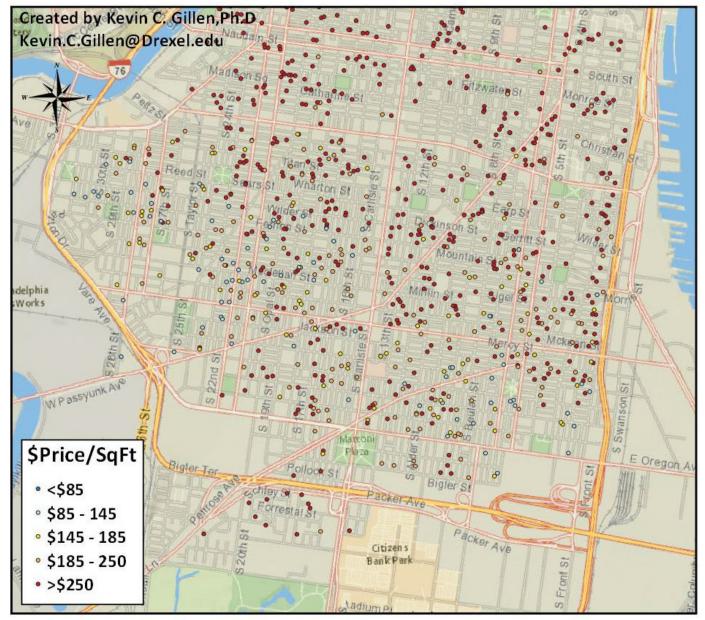


Center City House Sales in 2021 Q2



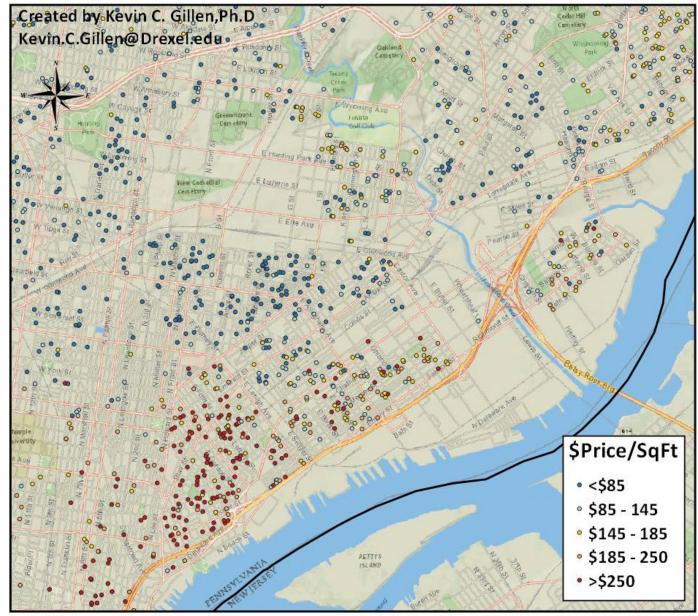


South Philadelphia House Sales in 2021 Q2



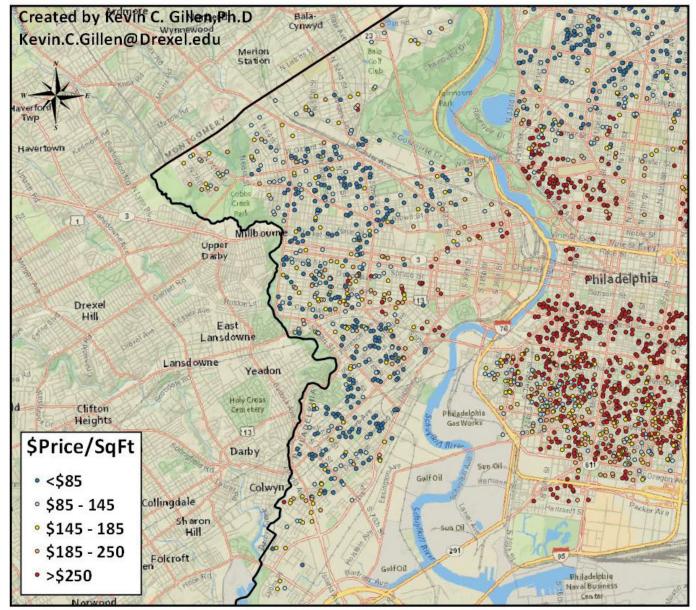


Kensington/Frankford House Sales in 2021 Q2



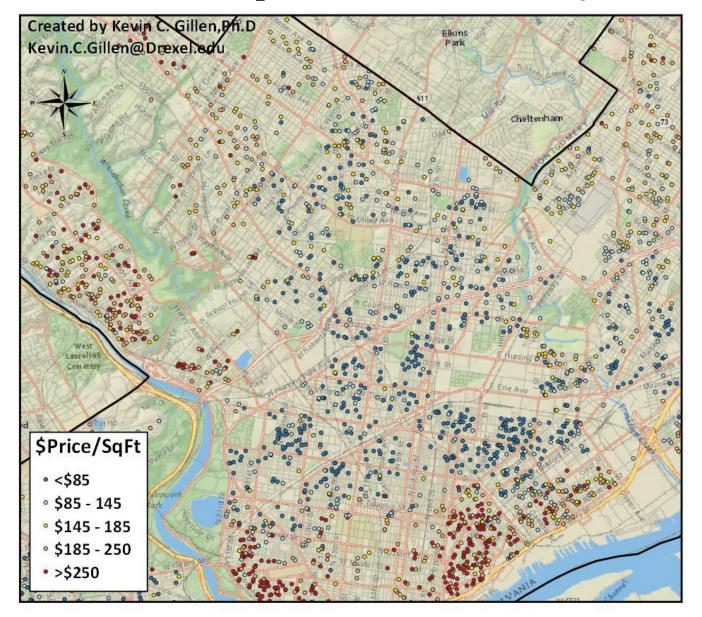


West/Southwest Philadelphia House Sales in 2021 Q2



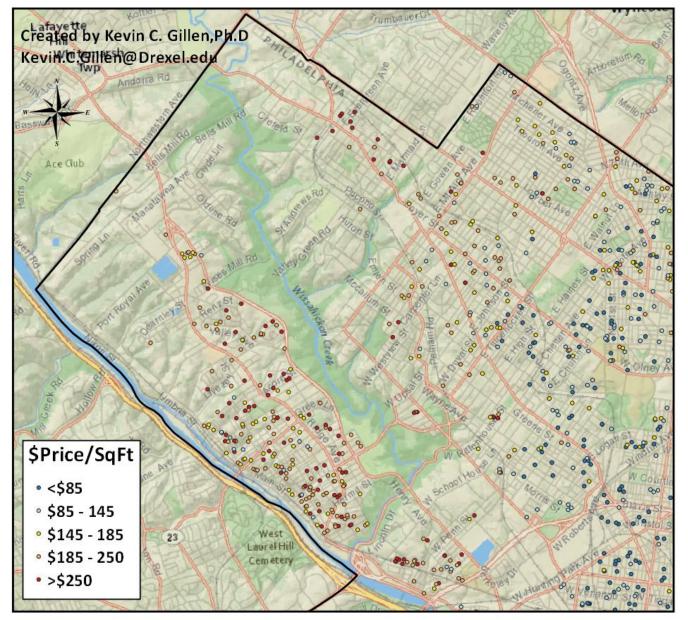


North Philadelphia House Sales in 2021 Q2

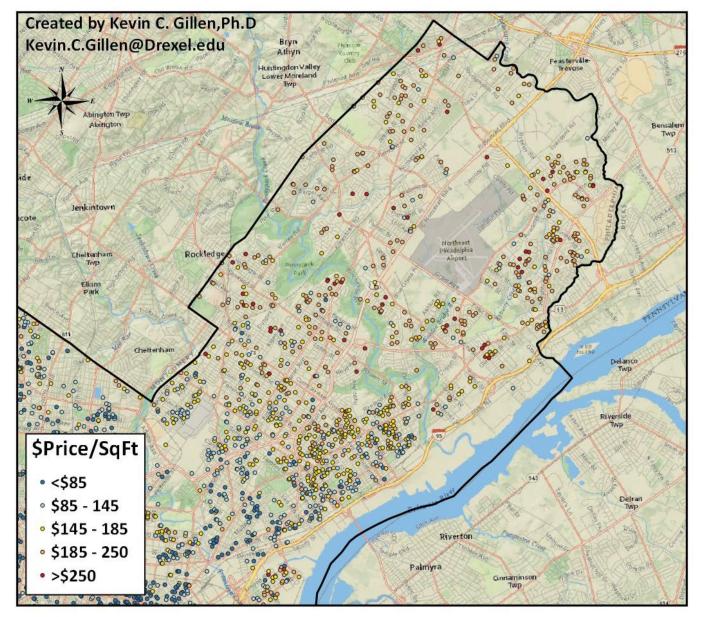




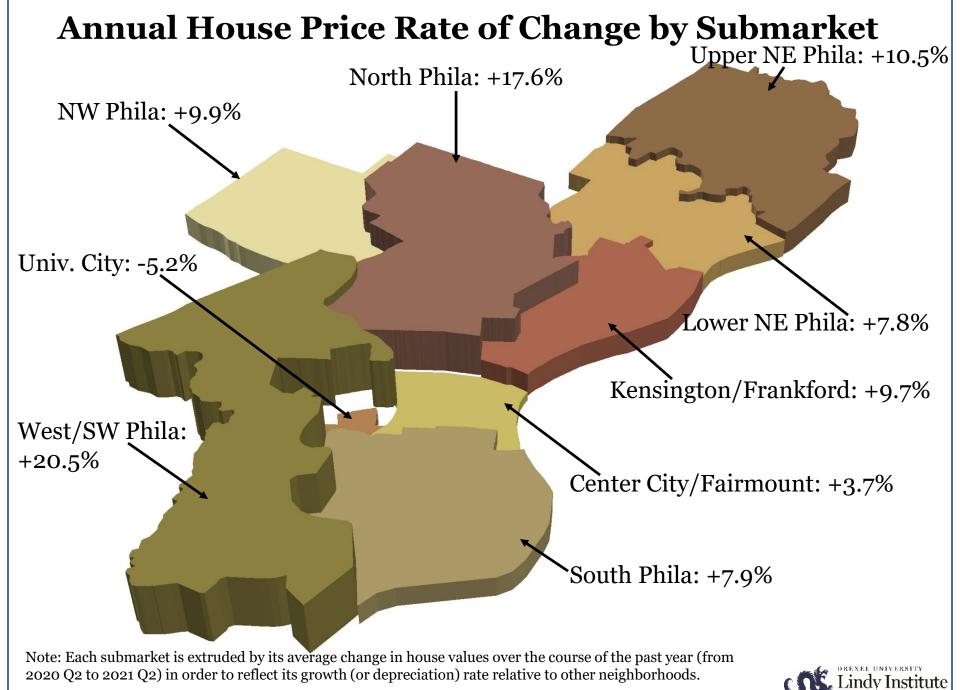
Northwest Philadelphia House Sales in 2021 Q2



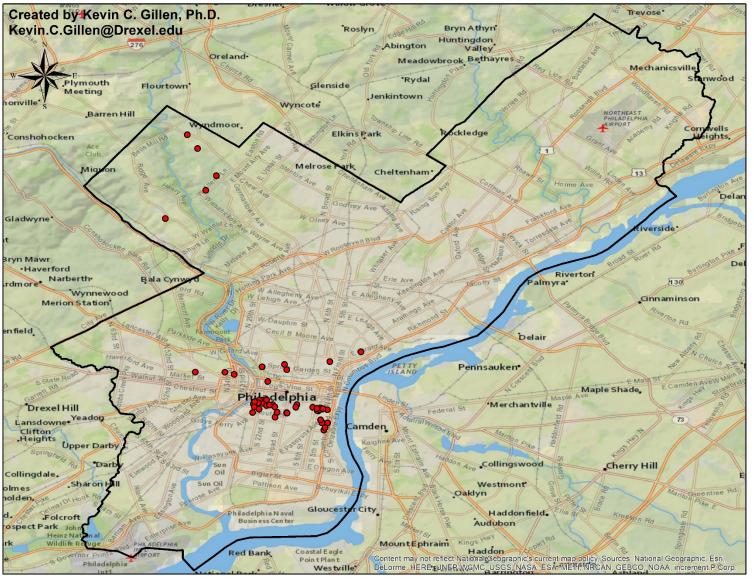
Northeast Philadelphia House Sales in 2021 Q2







+\$1 Million Dollar House Sales in 2021 Q2



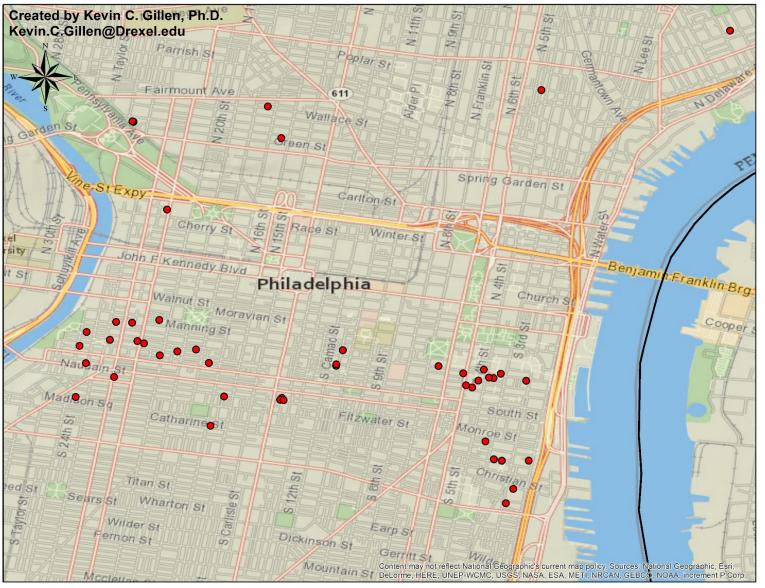
This map shows the location of all houses that sold at a recorded price of one million dollars or more in 2021 Q2.

PRICE	ADDRESS
	2216 RITTENHOUSE SQ
\$1,020,000	320 QUINCE ST
	2150 KATER ST
\$1,048,000	1637 CHRISTIAN ST
\$1,049,000	776 S FRONT ST
\$1,050,000	3625 SPRING GARDE ST
\$1,050,000	408 W GEORGE ST
	2328 SAINT ALBANS ST
	523 E THOMPSON ST
\$1,100,000	1725 ADDISON ST
	1005 S 2ND ST
	317 LAWRENCE CT
	122 CHRISTIAN ST
	1711 NORTH ST
	309 SPRUCE ST
	2415 DELANCEY PL
	526 S 24TH ST
	330 QUINCE ST
	235 CATHARINE ST
	302 S 2ND ST
	7401 CRESHEIM RD
	504 SPRUCE ST
	307 PEMBERTON ST
	1620 BAINBRIDGE ST 1614 GREEN ST
	3313 BARING ST
	1341 BAINBRIDGE ST
	258 S 4TH ST
	247 QUINCE ST
	617 SPRUCE ST
	1336 KATER ST
	2102 SPRING ST
	1333 BAINBRIDGE ST
	217 CATHARINE ST
	2427 WAVERLY ST
	2022 LOCUST ST
	339 S 5TH ST
	2225 PANAMA ST
	1907 PINE ST
	8850 GERMANTOWN AV
	336 SPRUCE ST
	215 W GRAVERS LN
	704 SAINT GEORGE RD
	419 PINE ST
	404 FOUNTAIN ST
	326 SPRUCE ST
	2345 PENNSYLVANIA AV
	2347 PENNSYLVANIA AVI
	326 S 21ST ST
\$2,870,000	2001 WAVERLY ST
	1812 DELANCEY PL
\$3,650,000	
\$3,650,000 \$3,825,000	2032 DELANCEY PL 258 S VAN PELT ST

ADDDESS



+\$1 Million Dollar House Sales in 2021 Q2



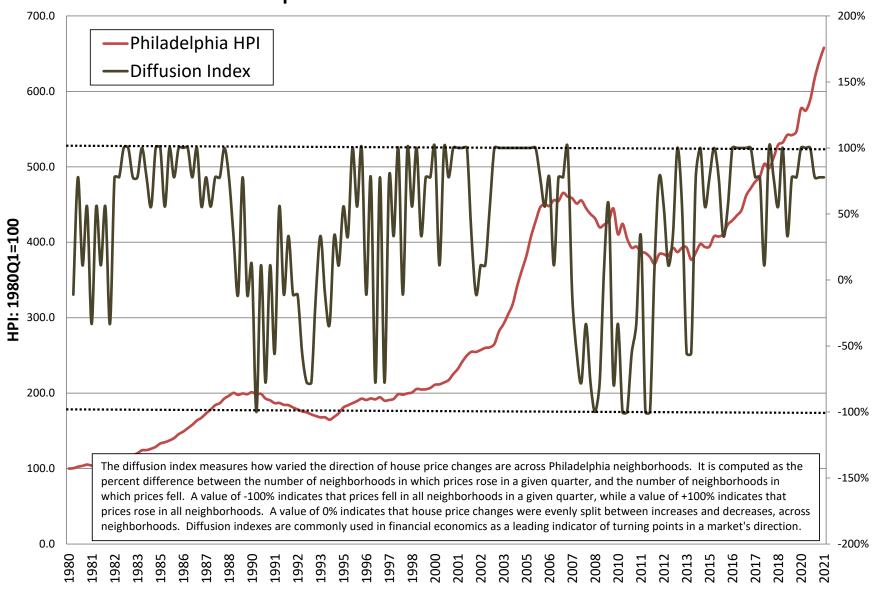
	PRICE	ADDRESS
	\$1,020,000	2216 RITTENHOUSE SQ
	\$1,020,000	320 QUINCE ST
		2150 KATER ST
17		1637 CHRISTIAN ST
11	\$1,049,000	776 S FRONT ST
		3625 SPRING GARDE ST
E		408 W GEORGE ST
		2328 SAINT ALBANS ST
30		523 E THOMPSON ST
e		1725 ADDISON ST
3		1005 S 2ND ST
		317 LAWRENCE CT
		122 CHRISTIAN ST
		1711 NORTH ST
		309 SPRUCE ST
(2)		2415 DELANCEY PL
1		526 S 24TH ST
		330 QUINCE ST
		235 CATHARINE ST
		302 S 2ND ST
		7401 CRESHEIM RD
		504 SPRUCE ST
-		307 PEMBERTON ST
1		1620 BAINBRIDGE ST
-		1614 GREEN ST
		3313 BARING ST
7-		1341 BAINBRIDGE ST
71	\$1,350,000	258 S 4TH ST
1		247 QUINCE ST
-		617 SPRUCE ST
0	\$1,390,000	1336 KATER ST
	\$1,395,000	2102 SPRING ST
-	\$1,485,000	1333 BAINBRIDGE ST
11	\$1,485,841	217 CATHARINE ST
36	\$1,487,000	2427 WAVERLY ST
_	\$1,540,000	2022 LOCUST ST
	\$1,550,000	339 S 5TH ST
	\$1,574,800	2225 PANAMA ST
	\$1,625,000	1907 PINE ST
	\$1,657,000	8850 GERMANTOWN AVE
	\$1,665,000	336 SPRUCE ST
1	\$1,730,000	215 W GRAVERS LN
11	\$1,950,000	704 SAINT GEORGE RD
3/	\$2,000,000	419 PINE ST
15	\$2,025,000	404 FOUNTAIN ST
E	\$2,175,000	326 SPRUCE ST
0	\$2,375,000	2345 PENNSYLVANIA AVE
-		2347 PENNSYLVANIA AVE
		326 S 21ST ST
K		2001 WAVERLY ST
=		1812 DELANCEY PL
-		2032 DELANCEY PL
		258 S VAN PELT ST
	75,555,500	

DDICE

ADDRESS

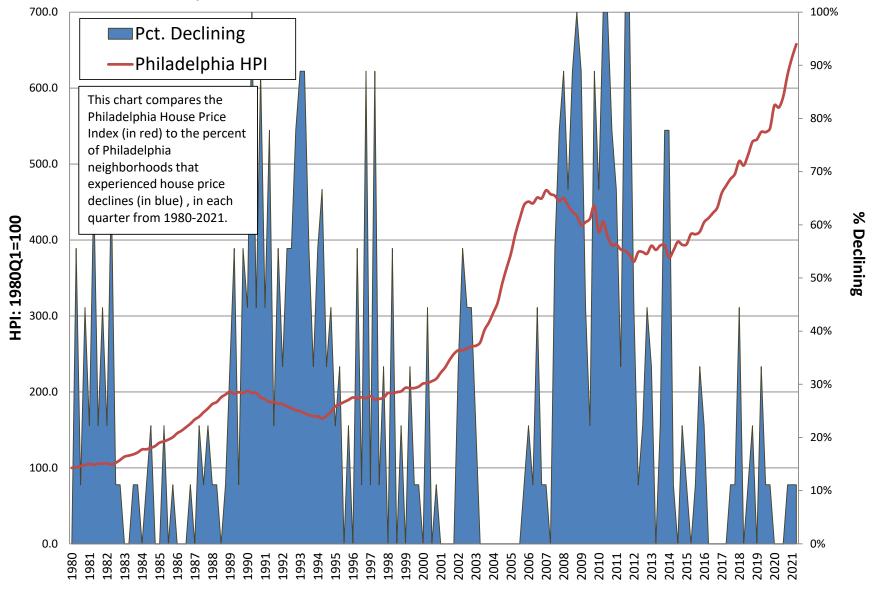


Philadelphia House Price Diffusion Index 1980-2021



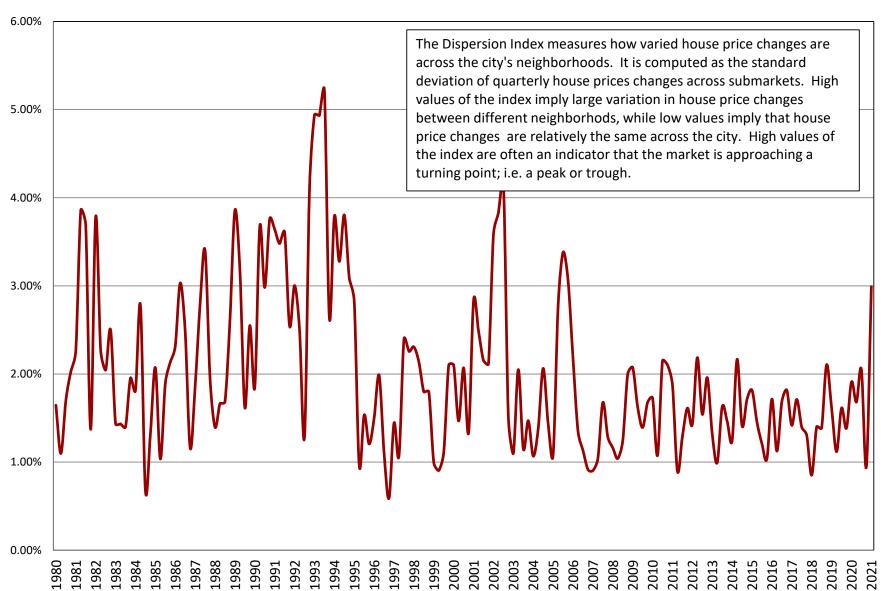


Philadelphia House Prices 1980-2021: Declines v. House Price Index

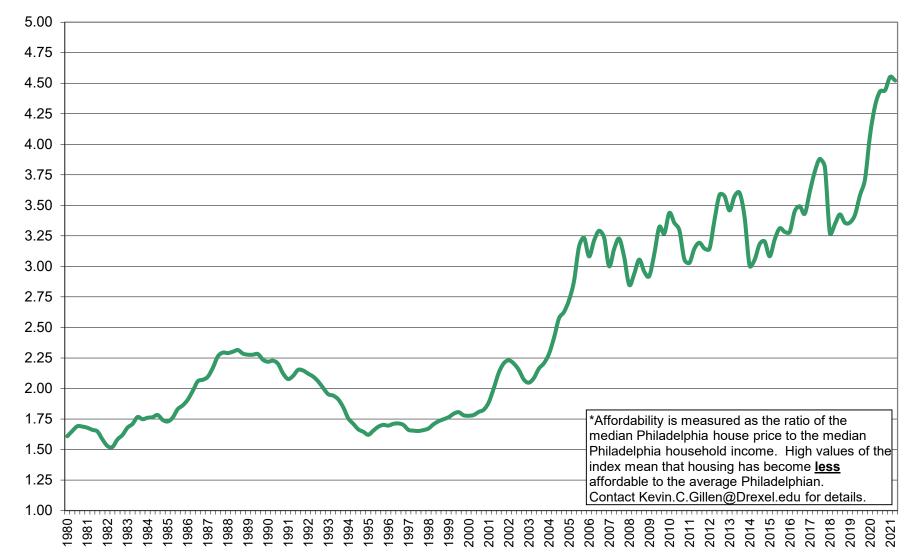




Dispersion Index of Philadelphia Housing 1980-2021



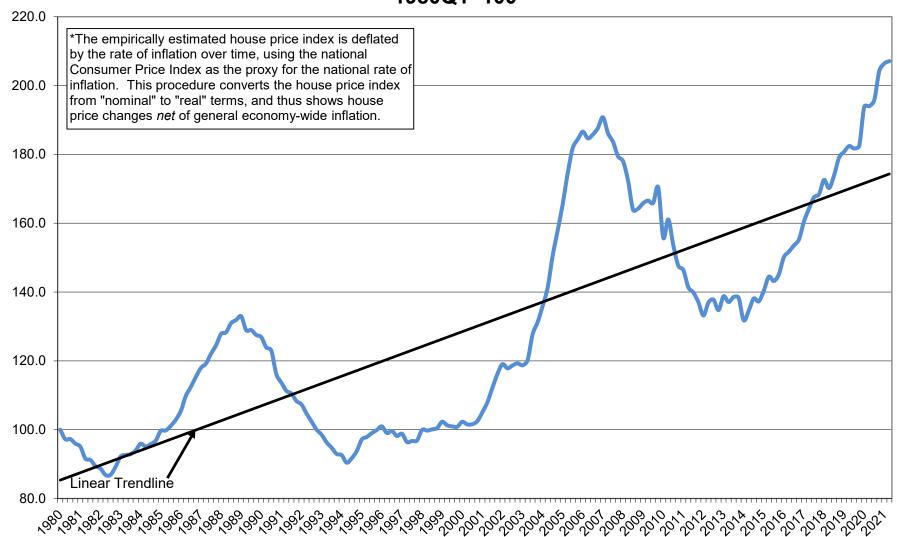
Philadelphia Housing Affordability* Index: 1980-2021



Source: US Bureau of Labor Statistics

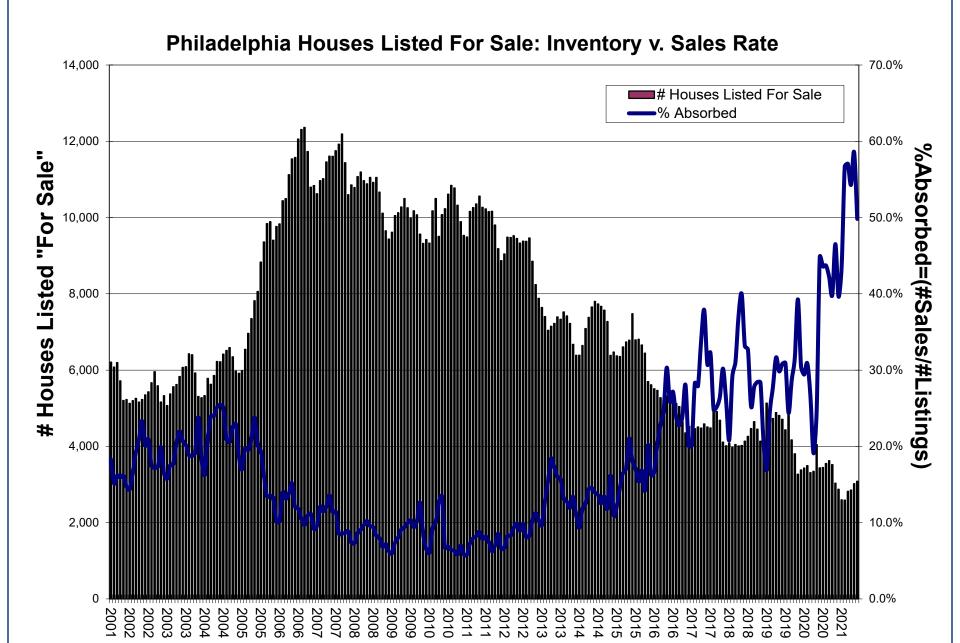


Inflation-Adjusted* Philadelphia House Price Index 1980-2021 1980Q1=100



Source: US Bureau of Labor Statistics

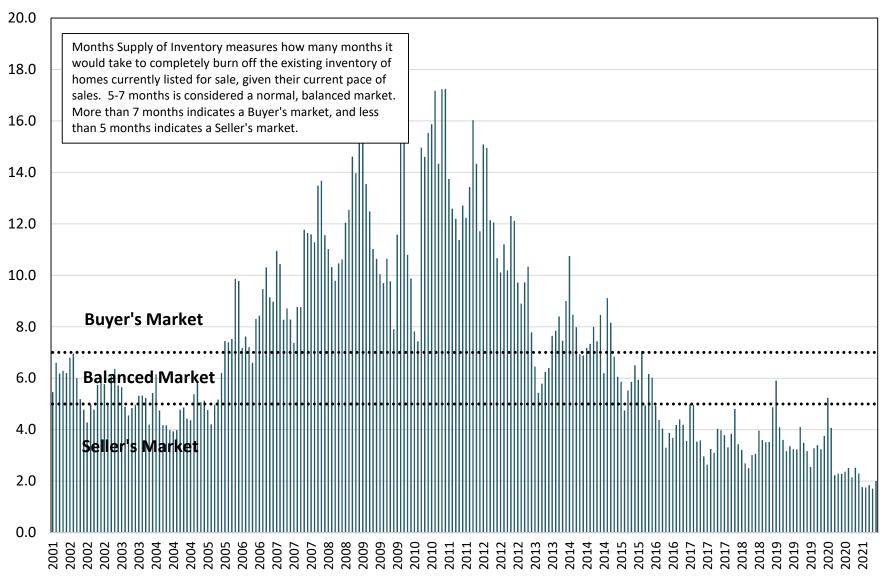




"%Absorbed" is defined as the percent of homes listed for sale in a given month that also sold in that same month.

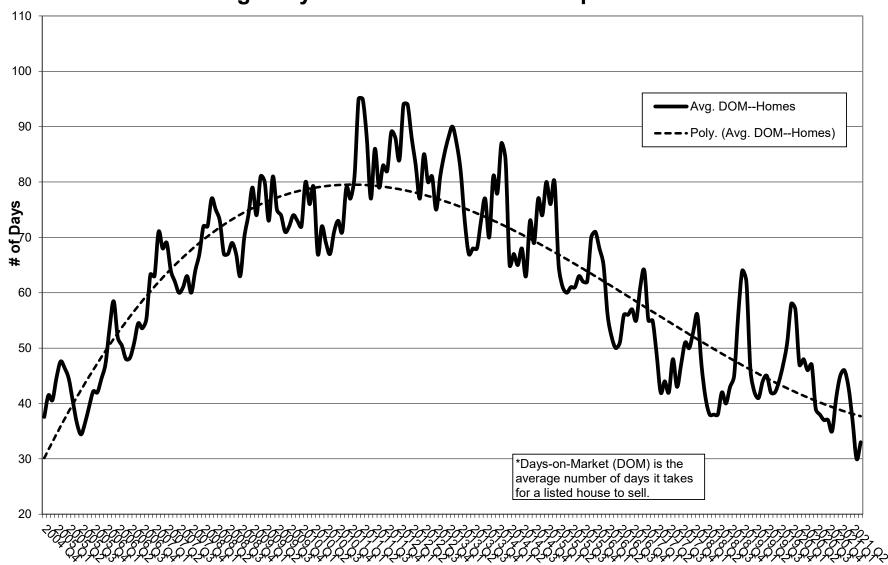
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Lindy Institute
for Urbau Innovation

Months Supply of Inventory in Philadelphia



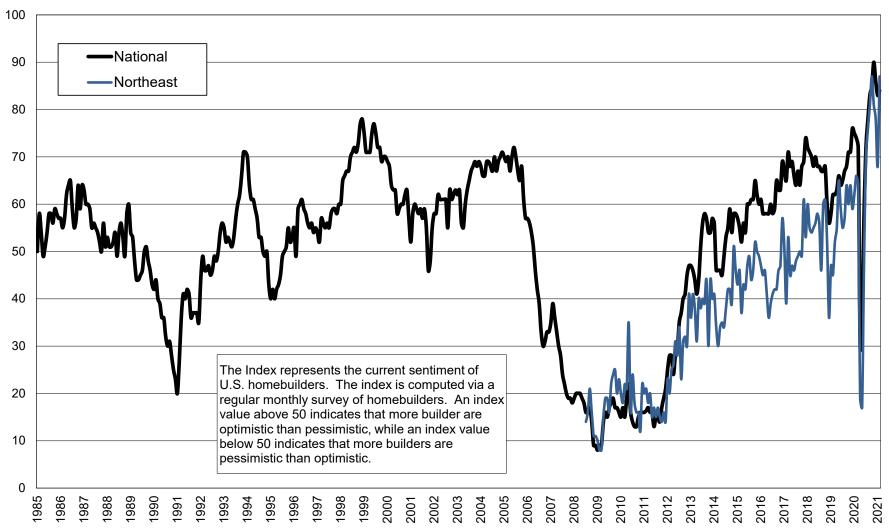


Average Days-on-Market* for Philadelphia Homes





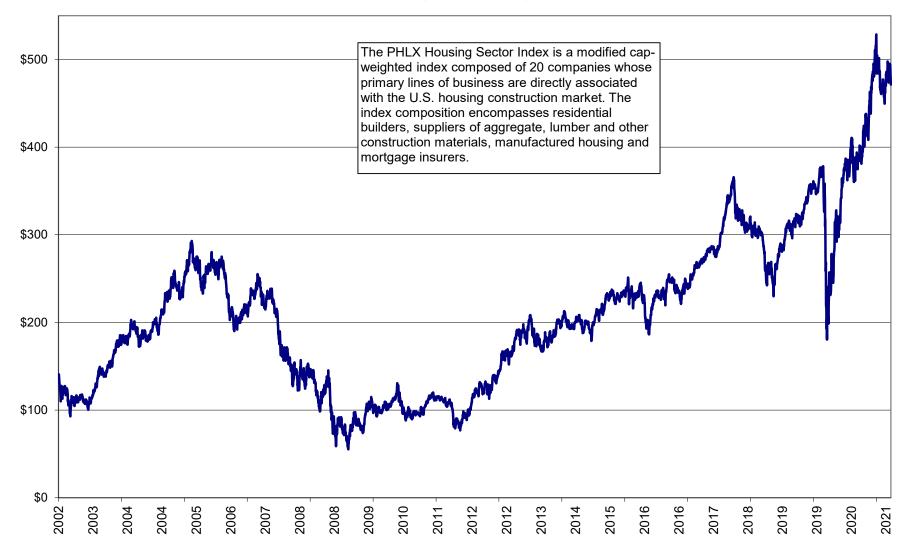
Index of Homebuilder Sentiment: 1985-2021 (Seasonally Adjusted)



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



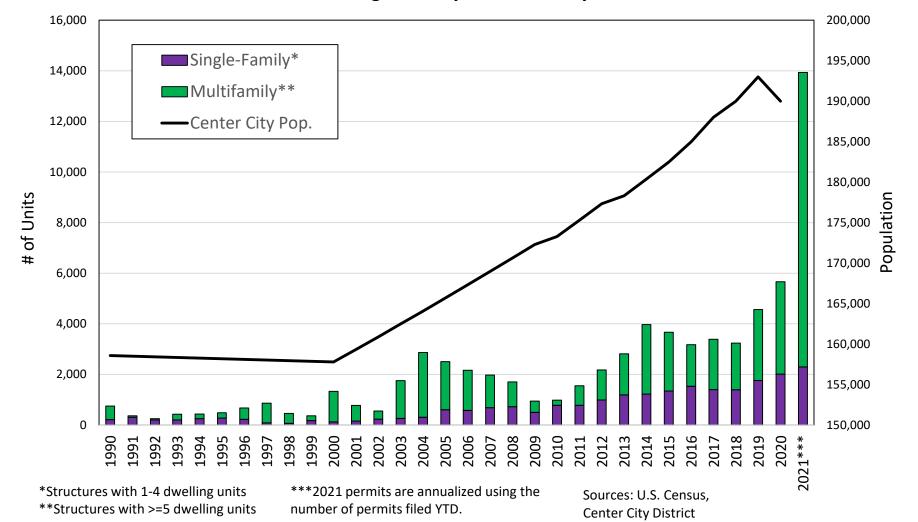
Philadelphia Stock Exchange Housing Sector Index: 2002-2021



Source: https://finance.yahoo.com/quote/%5EHGX/history



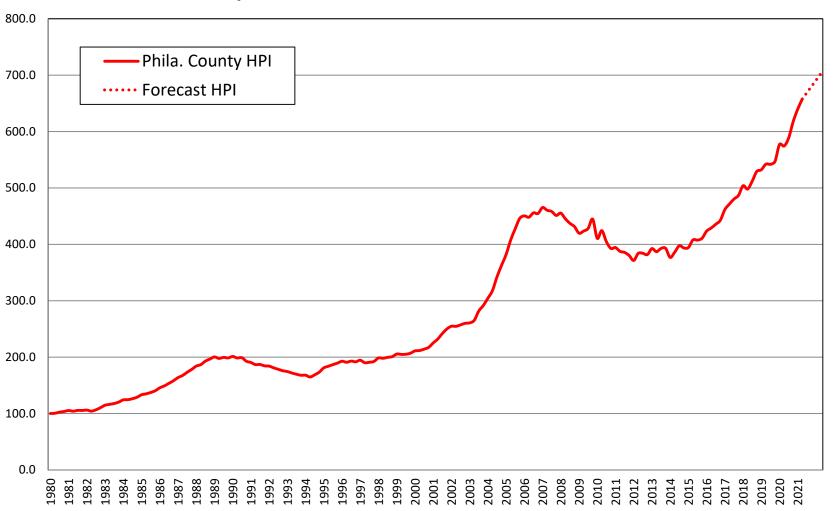
Building Permits Issued for Construction of Residential Units in Philadelphia 1990-2021: Single-Family v. Multifamily





Philadelphia House Price Index and 1-Year Forecast

Philadelphia House Price Index: Actual v. Forecast



Zillow's most recent forecast projects an increase of 6.5% in Philadelphia's general level of house prices over the next 12 months. This is a downgrade from their previous forecast of 8.3%.

Source: https://www.zillow.com/research/data/

