

FHFA

**House Price Index (HPI)
Quarterly Report**

2022Q3 & SEPTEMBER 2022



November 29, 2022

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FEDERAL HOUSING FINANCE AGENCY



NEWS RELEASE

For Immediate Release
November 29, 2022

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U.S. House Prices Rise 12.4 Percent over the Last Year; Up 0.1 Percent from the Second Quarter

Washington, D.C. – U.S. house prices rose **12.4 percent** from the third quarter of 2021 to the third quarter of 2022 according to the Federal Housing Finance Agency House Price Index (FHFA HPI®). House prices were up **0.1 percent** compared to the second quarter of 2022. FHFA’s seasonally adjusted monthly index for September was up **0.1 percent** from August.

“House prices were flat for the third quarter but continued to remain above levels from a year ago.” said William Doerner, Ph.D., Supervisory Economist in FHFA’s Division of Research and Statistics. “The rate of U.S. house price growth has substantially decelerated. This deceleration is widespread with about one-third of all states and metropolitan statistical areas registering annual growth below 10 percent.”

View highlights video featuring William Doerner at <https://youtu.be/kTsKryXilUg>.

Significant Findings

- Nationally, the U.S. housing market has experienced positive annual appreciation each quarter since the start of 2012.
- House prices rose in all 50 states and the District of Columbia between the third quarters of 2021 and 2022. The five areas with the highest annual appreciation were: 1) **Florida** 22.7 percent; 2) **South Carolina** 18.4 percent; 3) **Tennessee** 17.9 percent; 4) **North Carolina** 17.4 percent; and 5) **Georgia** 16.7 percent. The areas showing the lowest annual appreciation were: 1) **District of Columbia** 1.8 percent; 2) **Oregon** 7.6 percent; 3) **California** 7.6 percent; 4) **Minnesota** 7.7 percent and 5) **Louisiana** 8.3 percent.
- House prices rose in all but two of the top 100 largest metropolitan areas over the last four quarters. Annual price increase was greatest in **North Port-Sarasota-Bradenton, FL**, where price increased by 29.2 percent. Two metropolitan areas that experienced price declines are **San Francisco-San Mateo-Redwood City, CA** and **Oakland-Berkeley-Livermore, CA**, where prices decreased by 4.3 percent and 0.6 percent, respectively.
- Of the nine census divisions, the **South Atlantic** division recorded the strongest four-quarter appreciation, posting a 17.0 percent gain between the third quarters of 2021 and 2022. Annual house price appreciation was weakest in the **Pacific** division, where prices rose by 8.3 percent between the third quarters of 2021 and 2022.

- Trends in the Top 100 Metropolitan Statistical Areas are available in our interactive dashboard: <https://www.fhfa.gov/DataTools/Tools/Pages/FHFA-HPI-Top-100-Metro-Area-Rankings.aspx>. The first tab displays rankings while the second tab offers charts.

The FHFA HPI is the nation's only collection of public, freely available house price indexes that measure changes in single-family home values based on data from all 50 states and over 400 American cities that extend back to the mid-1970s. The FHFA HPI incorporates tens of millions of home sales and offers insights about house price fluctuations at the national, census division, state, metro area, county, ZIP code, and census tract levels. FHFA uses a fully transparent methodology based upon a weighted, repeat-sales statistical technique to analyze house price transaction data.

FHFA releases HPI data and reports on a quarterly and monthly basis. The flagship FHFA HPI uses seasonally adjusted, purchase-only data from Fannie Mae and Freddie Mac. Additional indexes use other data including refinances, FHA mortgages, and real property records. All the indexes, including their historic values, and information about future HPI release dates are available on FHFA's website: <https://www.fhfa.gov/HPI>.

Tables and graphs showing home price statistics for metropolitan areas, states, census divisions, and the U.S. are included on the following pages.

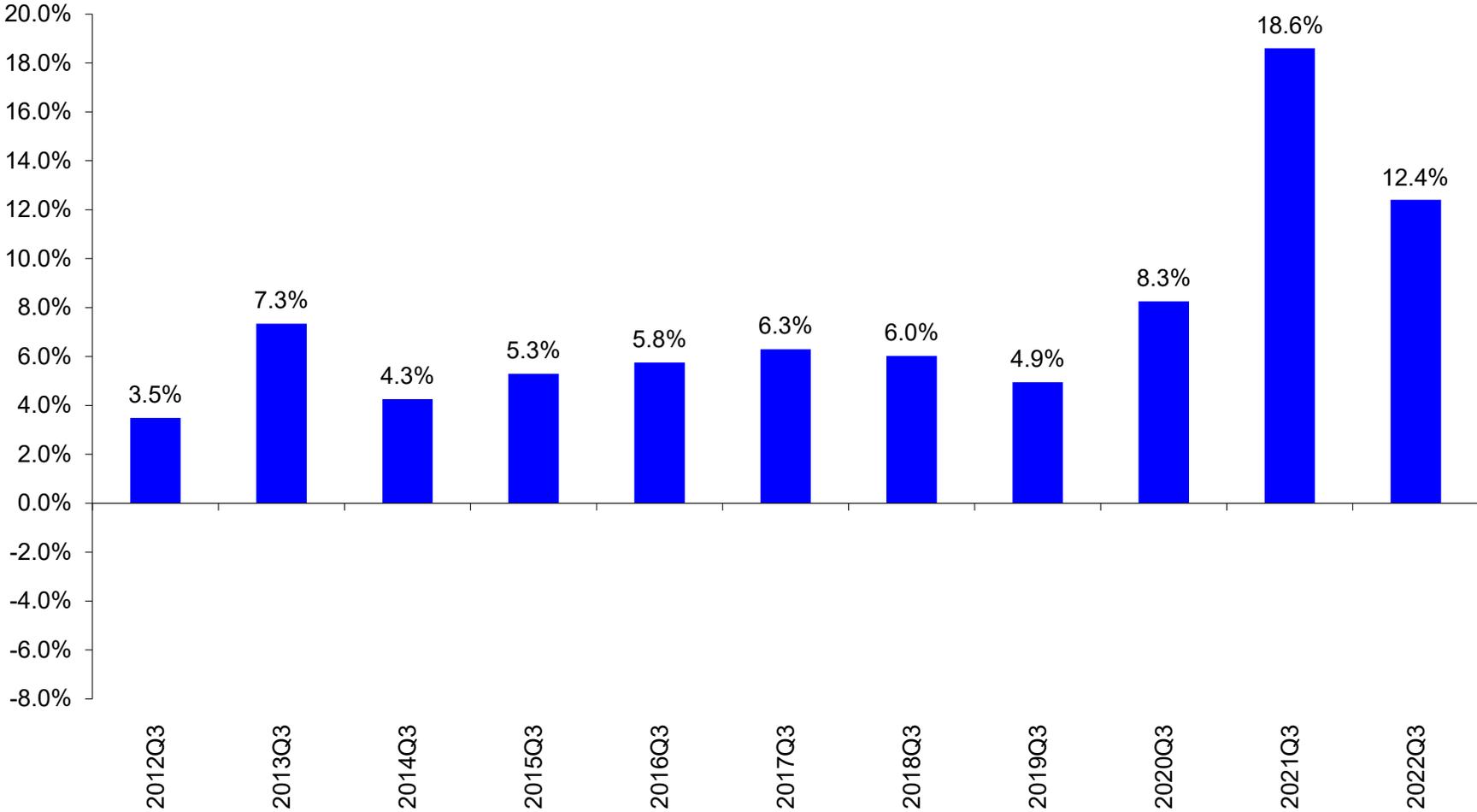
Notes

- The next monthly HPI report (including data through October 2022) will be released December 27, 2022, and the next quarterly HPI report (including data for the fourth quarter of 2022 and monthly data for December) will be released February 28, 2023.
- Release dates for the remainder of 2022 and all of 2023 are posted at <https://www.fhfa.gov/DataTools/Downloads/Pages/House-Price-Index.aspx#ReleaseDates>.
- Follow @FHFA on Twitter, LinkedIn, Facebook, and YouTube for more HPI news.

The Federal Housing Finance Agency regulates Fannie Mae, Freddie Mac, and the 11 Federal Home Loan Banks. These government-sponsored enterprises provide more than \$8.1 trillion in funding for the U.S. mortgage markets and financial institutions.

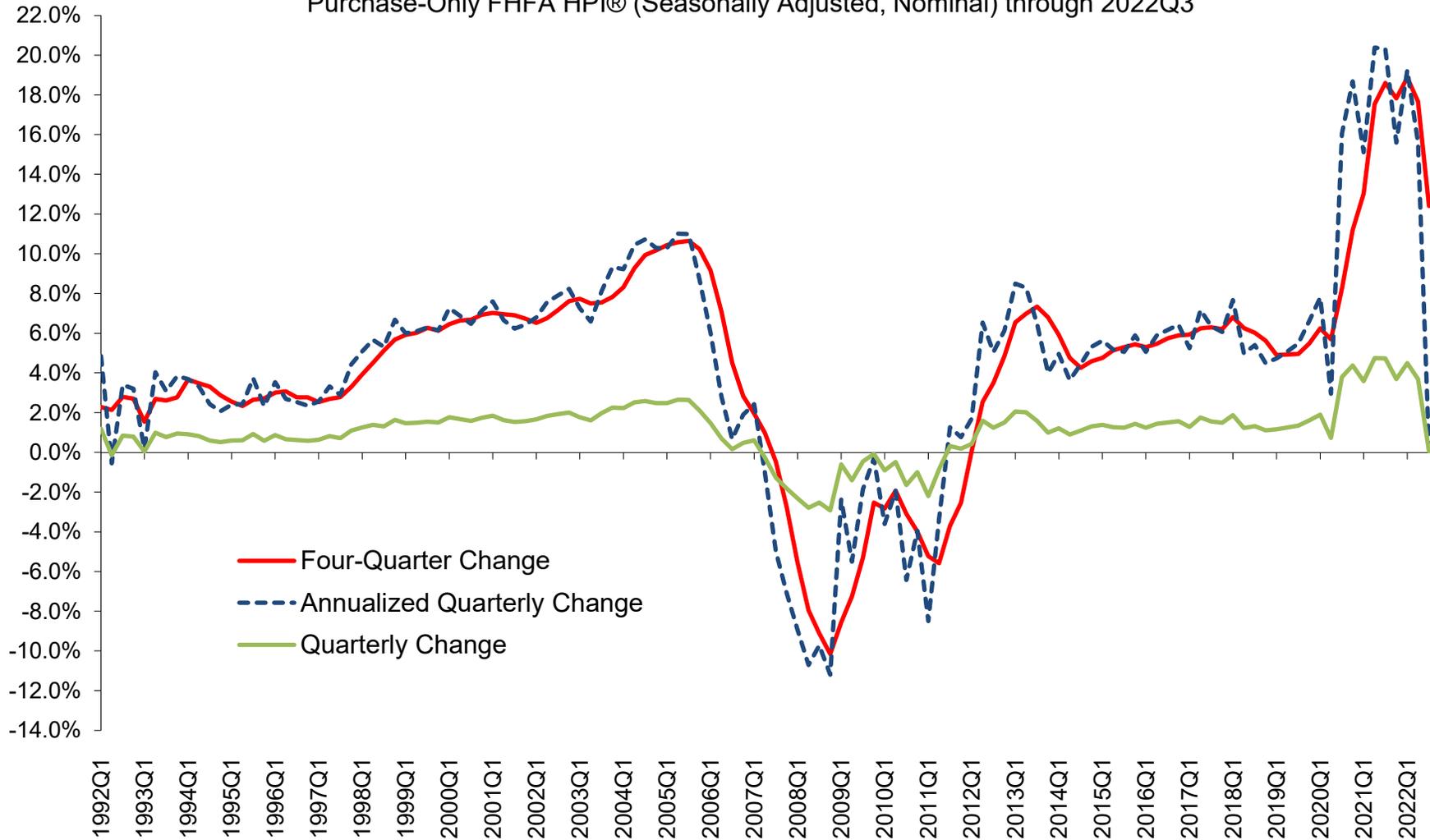
Quarterly Figures

House Price Appreciation Over Previous Four Quarters for U.S.
Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal) through 2022Q3



Source: FHFA

House Price Appreciation for U.S.
Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal) through 2022Q3

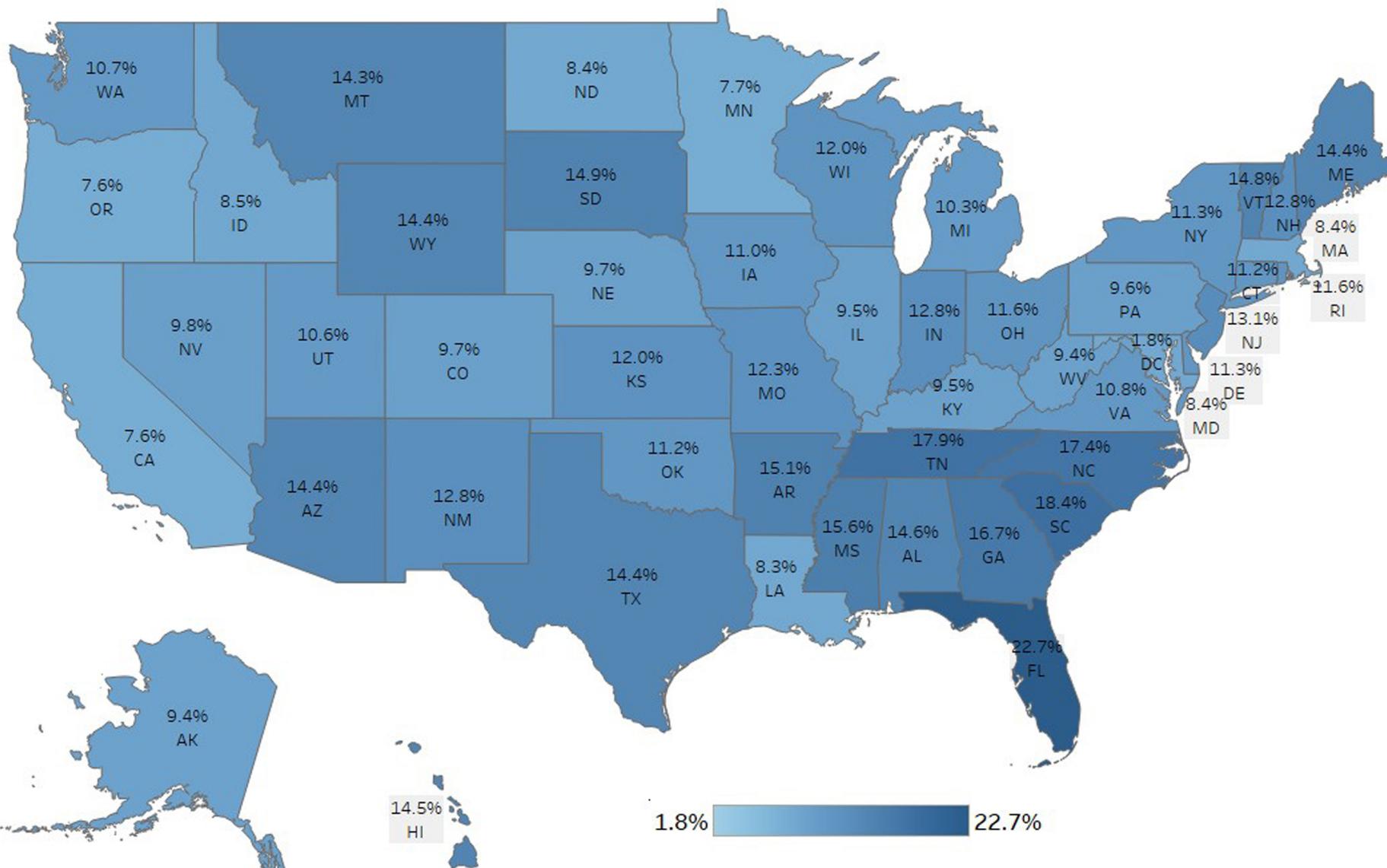


Source: FHFA

Four-Quarter House Price Change by State

Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

U.S. Four-Quarter Appreciation = 12.4% (2021Q3-2022Q3)

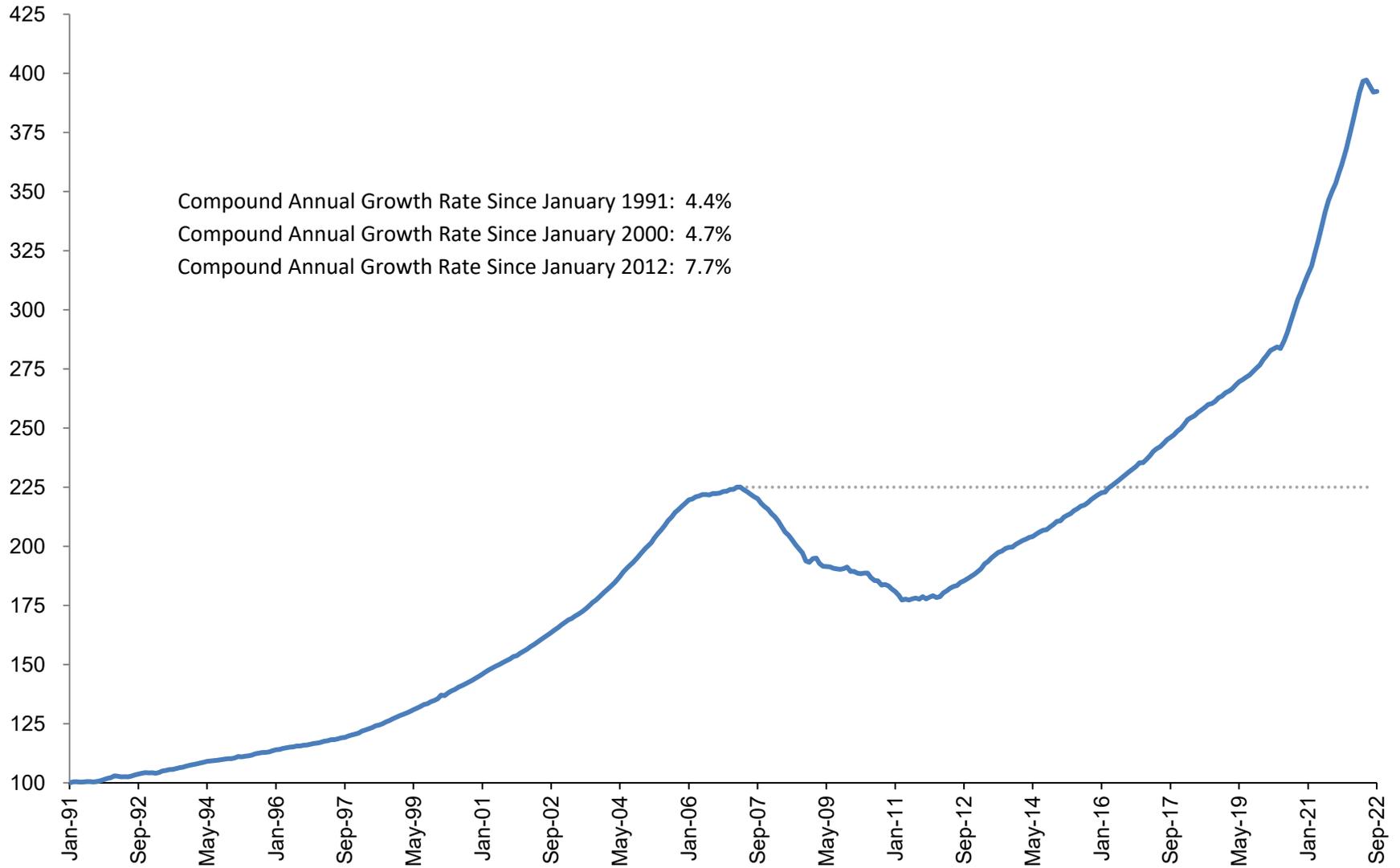


Source: FHFA HPI®

Monthly Figures

Monthly House Price Index for U.S. from January 1991 - Present

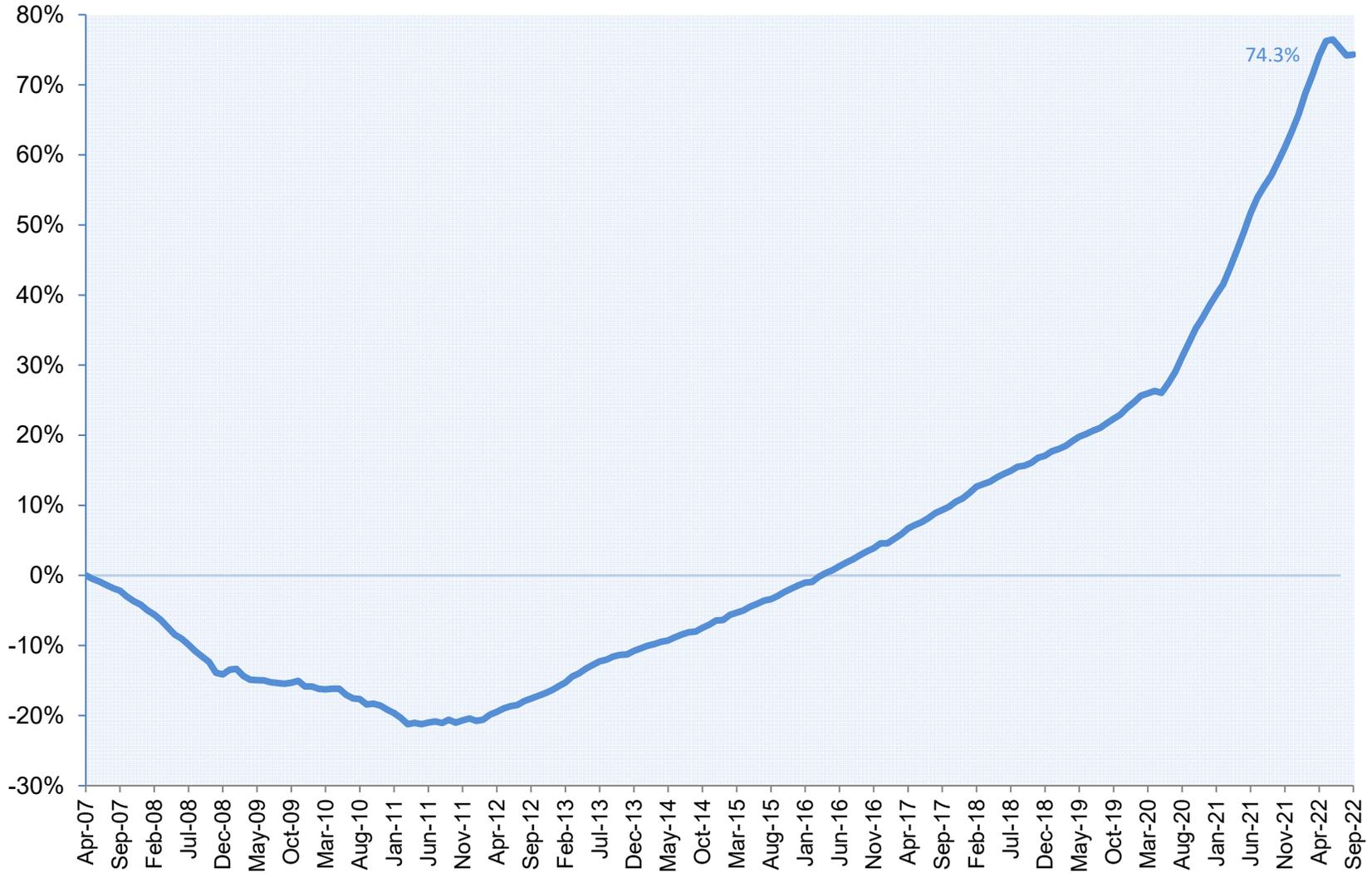
Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)



Source: FHFA

Cumulative Monthly House Price Change Relative to the Prior Peak for U.S.

Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

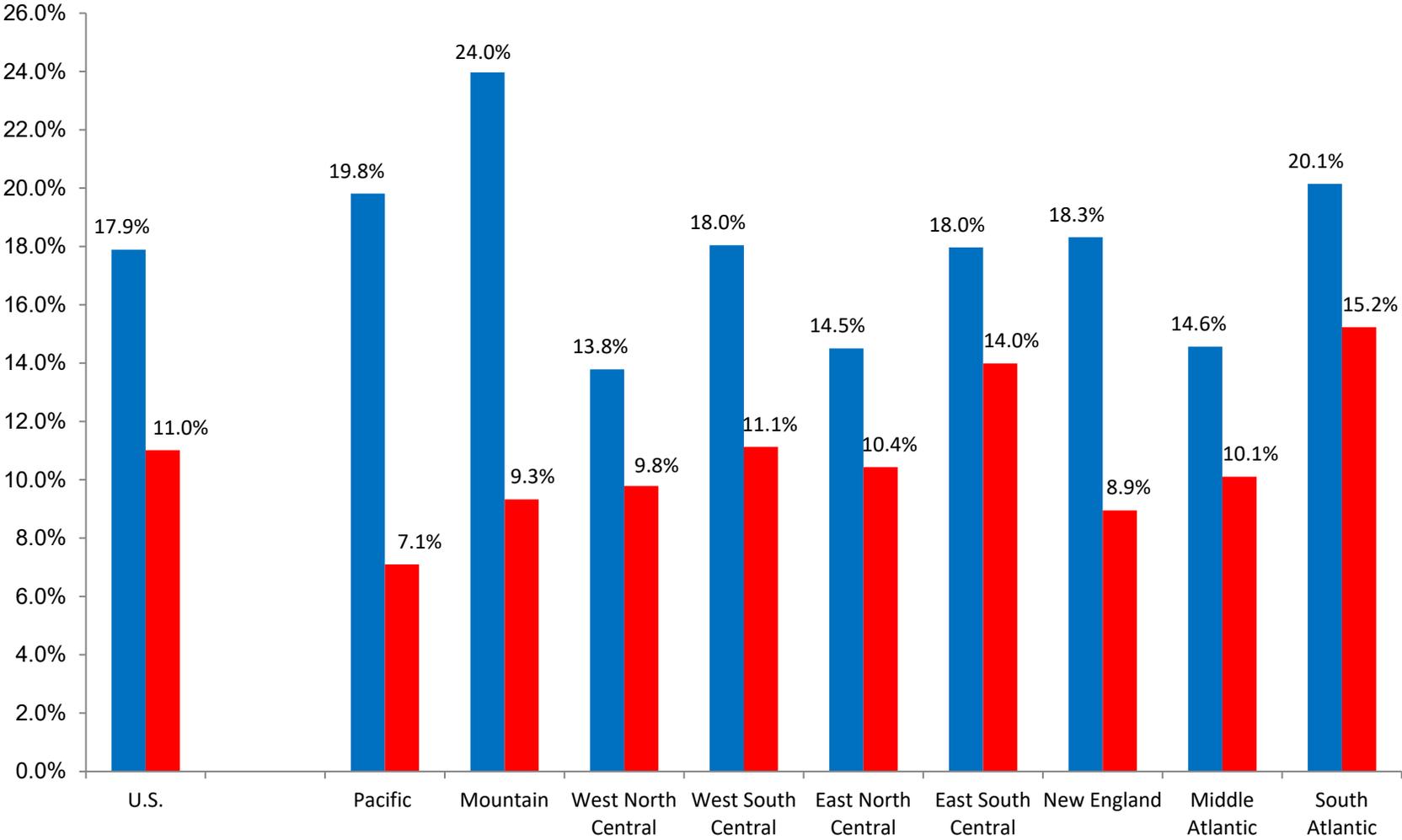


Source: FHFA

Twelve-Month House Price Changes – Prior Year vs. Most Recent Year

Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

■ Price Change: 09/2020 - 09/2021 ■ Price Change: 09/2021 - 09/2022



Source: FHFA

Quarterly Tables

FHFA HPI for U.S.
Percent Change in House Prices
Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

1991Q2 - 2022Q3

Quarter	House Price Quarterly Appreciation	House Price Quarterly Appreciation Annualized	House Price Appreciation From Same Quarter One Year Earlier
2022Q3	0.05%	0.19%	12.40%
2022Q2	3.69%	15.59%	17.67%
2022Q1	4.50%	19.25%	18.87%
2021Q4	3.69%	15.59%	17.82%
2021Q3	4.73%	20.32%	18.60%
2021Q2	4.75%	20.38%	17.54%
2021Q1	3.58%	15.11%	13.03%
2020Q4	4.37%	18.68%	11.19%
2020Q3	3.79%	16.05%	8.25%
2020Q2	0.73%	2.96%	5.70%
2020Q1	1.90%	7.80%	6.24%
2019Q4	1.61%	6.61%	5.48%
2019Q3	1.34%	5.48%	4.95%
2019Q2	1.25%	5.09%	4.93%
2019Q1	1.16%	4.73%	4.90%
2018Q4	1.10%	4.49%	5.63%
2018Q3	1.32%	5.40%	6.02%
2018Q2	1.22%	4.98%	6.26%
2018Q1	1.86%	7.67%	6.81%
2017Q4	1.48%	6.07%	6.20%
2017Q3	1.55%	6.34%	6.29%
2017Q2	1.75%	7.17%	6.25%
2017Q1	1.28%	5.24%	5.93%
2016Q4	1.57%	6.43%	5.88%
2016Q3	1.51%	6.17%	5.75%
2016Q2	1.44%	5.89%	5.47%
2016Q1	1.24%	5.05%	5.29%
2015Q4	1.44%	5.89%	5.44%
2015Q3	1.24%	5.06%	5.29%
2015Q2	1.27%	5.17%	5.14%
2015Q1	1.38%	5.62%	4.75%
2014Q4	1.30%	5.32%	4.59%
2014Q3	1.09%	4.44%	4.26%
2014Q2	0.90%	3.64%	4.76%
2014Q1	1.22%	4.96%	5.92%
2013Q4	0.98%	3.99%	6.80%
2013Q3	1.58%	6.47%	7.34%
2013Q2	2.01%	8.29%	6.98%
2013Q1	2.06%	8.49%	6.54%
2012Q4	1.50%	6.13%	4.84%
2012Q3	1.24%	5.05%	3.49%
2012Q2	1.59%	6.53%	2.54%
2012Q1	0.42%	1.71%	0.07%
2011Q4	0.19%	0.77%	-2.54%
2011Q3	0.32%	1.27%	-3.70%
2011Q2	-0.85%	-3.37%	-5.58%

FHFA HPI for U.S.
Percent Change in House Prices
Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

1991Q2 - 2022Q3

Quarter	House Price Quarterly Appreciation	House Price Quarterly Appreciation Annualized	House Price Appreciation From Same Quarter One Year Earlier
2011Q1	-2.19%	-8.49%	-5.23%
2010Q4	-1.00%	-3.95%	-3.99%
2010Q3	-1.65%	-6.42%	-3.10%
2010Q2	-0.49%	-1.94%	-1.93%
2010Q1	-0.91%	-3.61%	-2.84%
2009Q4	-0.08%	-0.31%	-2.53%
2009Q3	-0.47%	-1.85%	-5.30%
2009Q2	-1.41%	-5.50%	-7.26%
2009Q1	-0.60%	-2.38%	-8.56%
2008Q4	-2.92%	-11.18%	-10.14%
2008Q3	-2.52%	-9.72%	-9.12%
2008Q2	-2.79%	-10.71%	-7.95%
2008Q1	-2.31%	-8.94%	-5.55%
2007Q4	-1.82%	-7.07%	-2.73%
2007Q3	-1.27%	-4.99%	-0.47%
2007Q2	-0.26%	-1.03%	0.98%
2007Q1	0.60%	2.43%	1.95%
2006Q4	0.47%	1.90%	2.83%
2006Q3	0.16%	0.66%	4.51%
2006Q2	0.70%	2.81%	7.09%
2006Q1	1.48%	6.04%	9.17%
2005Q4	2.11%	8.71%	10.24%
2005Q3	2.64%	10.98%	10.64%
2005Q2	2.65%	11.01%	10.57%
2005Q1	2.48%	10.28%	10.43%
2004Q4	2.48%	10.29%	10.17%
2004Q3	2.58%	10.72%	9.93%
2004Q2	2.52%	10.45%	9.28%
2004Q1	2.23%	9.23%	8.31%
2003Q4	2.25%	9.33%	7.82%
2003Q3	1.97%	8.12%	7.55%
2003Q2	1.61%	6.59%	7.49%
2003Q1	1.77%	7.25%	7.74%
2002Q4	2.00%	8.24%	7.62%
2002Q3	1.92%	7.90%	7.17%
2002Q2	1.84%	7.56%	6.75%
2002Q1	1.66%	6.79%	6.53%
2001Q4	1.57%	6.43%	6.73%
2001Q3	1.52%	6.23%	6.90%
2001Q2	1.62%	6.65%	6.96%
2001Q1	1.85%	7.60%	7.02%
2000Q4	1.74%	7.13%	6.93%
2000Q3	1.58%	6.46%	6.69%
2000Q2	1.68%	6.88%	6.64%
2000Q1	1.77%	7.26%	6.45%
1999Q4	1.50%	6.14%	6.13%

FHFA HPI for U.S.
Percent Change in House Prices
Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

1991Q2 - 2022Q3

Quarter	House Price Quarterly Appreciation	House Price Quarterly Appreciation Annualized	House Price Appreciation From Same Quarter One Year Earlier
1999Q3	1.54%	6.30%	6.27%
1999Q2	1.49%	6.10%	6.02%
1999Q1	1.47%	5.99%	5.91%
1998Q4	1.63%	6.68%	5.68%
1998Q3	1.30%	5.31%	5.12%
1998Q2	1.39%	5.66%	4.51%
1998Q1	1.25%	5.09%	3.92%
1997Q4	1.09%	4.43%	3.30%
1997Q3	0.71%	2.89%	2.78%
1997Q2	0.82%	3.31%	2.69%
1997Q1	0.63%	2.56%	2.53%
1996Q4	0.58%	2.35%	2.77%
1996Q3	0.63%	2.52%	2.77%
1996Q2	0.66%	2.68%	3.07%
1996Q1	0.87%	3.53%	3.00%
1995Q4	0.58%	2.32%	2.72%
1995Q3	0.92%	3.73%	2.65%
1995Q2	0.60%	2.42%	2.33%
1995Q1	0.59%	2.40%	2.55%
1994Q4	0.51%	2.07%	2.87%
1994Q3	0.60%	2.42%	3.31%
1994Q2	0.82%	3.31%	3.48%
1994Q1	0.91%	3.69%	3.66%
1993Q4	0.95%	3.83%	2.77%
1993Q3	0.76%	3.08%	2.61%
1993Q2	0.99%	4.03%	2.69%
1993Q1	0.04%	0.17%	1.54%
1992Q4	0.79%	3.20%	2.70%
1992Q3	0.84%	3.40%	2.80%
1992Q2	-0.14%	-0.56%	2.13%
1992Q1	1.19%	4.85%	2.27%
1991Q4	0.88%	3.58%	
1991Q3	0.18%	0.74%	
1991Q2	0.00%	0.00%	

Source: FHFA

FHFA HPI by Census Division Percent Change in House Prices

Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

Period ended 2022Q3

Division	Division Ranking*	1-Yr**	Qtr	5-Yr	Since 1991Q1
USA		12.40%	0.05%	60.58%	288.73%
South Atlantic	1	16.98%	0.60%	71.16%	315.14%
East South Central	2	14.74%	1.44%	64.46%	263.62%
West South Central	3	13.29%	0.50%	55.59%	302.18%
Mountain	4	11.73%	-2.20%	78.92%	469.51%
Middle Atlantic	5	11.07%	0.56%	51.88%	237.06%
East North Central	6	11.07%	0.91%	55.07%	210.49%
New England	7	10.91%	-0.17%	57.68%	257.98%
West North Central	8	10.65%	0.61%	51.70%	265.80%
Pacific	9	8.32%	-2.23%	57.57%	344.74%

Source: FHFA

*Rankings based on annual percentage change.

**1-Yr changes are relative to the value four quarters ago.

FHFA HPI by State

Percent Change in House Prices

Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

Period ended 2022Q3

State	Rank*	1-Yr**	Qtr	5-Yr	Since 1991Q1
Florida (FL)	1	22.70%	1.44%	89.31%	429.75%
South Carolina (SC)	2	18.41%	2.79%	72.65%	288.07%
Tennessee (TN)	3	17.92%	1.08%	82.09%	338.51%
North Carolina (NC)	4	17.35%	-0.68%	76.73%	291.85%
Georgia (GA)	5	16.67%	0.28%	75.13%	282.14%
Mississippi (MS)	6	15.64%	3.40%	48.66%	197.18%
Arkansas (AR)	7	15.14%	2.51%	57.73%	226.58%
South Dakota (SD)	8	14.86%	2.08%	61.53%	352.04%
Vermont (VT)	9	14.77%	3.41%	65.14%	265.54%
Alabama (AL)	10	14.62%	2.28%	63.96%	236.38%
Hawaii (HI)	11	14.54%	2.80%	52.15%	277.01%
Maine (ME)	12	14.41%	-0.46%	75.55%	311.89%
Wyoming (WY)	13	14.41%	1.81%	53.69%	399.27%
Arizona (AZ)	14	14.37%	-2.25%	89.35%	449.89%
Texas (TX)	15	14.35%	0.14%	61.03%	331.03%
Montana (MT)	16	14.30%	-1.98%	77.08%	553.83%
New Jersey (NJ)	17	13.07%	1.89%	53.67%	248.20%
New Hampshire (NH)	18	12.82%	0.31%	69.05%	296.30%
New Mexico (NM)	19	12.82%	-0.34%	57.52%	261.18%
Indiana (IN)	20	12.79%	1.26%	65.51%	217.49%
USA		12.40%	0.05%	60.58%	288.73%
Missouri (MO)	21	12.31%	0.81%	59.21%	250.32%
Kansas (KS)	22	11.97%	1.55%	54.67%	253.22%
Wisconsin (WI)	23	11.96%	1.56%	57.86%	280.07%
Ohio (OH)	24	11.64%	1.12%	59.62%	196.90%
Rhode Island (RI)	25	11.57%	-1.08%	65.55%	254.16%

*Rankings based on annual percentage change.

**1-Yr changes are relative to the value four quarters ago.

FHFA HPI by State

Percent Change in House Prices

Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

Period ended 2022Q3

State	Rank*	1-Yr**	Qtr	5-Yr	Since 1991Q1
New York (NY)	26	11.32%	0.02%	52.62%	249.09%
Delaware (DE)	27	11.28%	-0.22%	50.07%	193.45%
Oklahoma (OK)	28	11.21%	0.19%	49.46%	242.42%
Connecticut (CT)	29	11.19%	-0.03%	47.86%	147.79%
Iowa (IA)	30	11.00%	0.88%	42.51%	230.98%
Virginia (VA)	31	10.85%	0.39%	51.29%	266.45%
Washington (WA)	32	10.66%	-0.96%	74.46%	469.35%
Utah (UT)	33	10.61%	-2.42%	89.64%	598.21%
Michigan (MI)	34	10.31%	0.61%	58.59%	229.68%
Nevada (NV)	35	9.82%	-3.89%	74.50%	295.44%
Colorado (CO)	36	9.68%	-2.27%	63.91%	578.78%
Nebraska (NE)	37	9.66%	-0.34%	54.20%	275.58%
Pennsylvania (PA)	38	9.61%	0.34%	49.99%	216.89%
Illinois (IL)	39	9.54%	0.38%	38.68%	167.13%
Kentucky (KY)	40	9.49%	-0.32%	50.87%	240.31%
West Virginia (WV)	41	9.40%	-0.68%	38.89%	186.06%
Alaska (AK)	42	9.36%	2.53%	35.27%	242.22%
Idaho (ID)	43	8.53%	-2.70%	115.87%	516.22%
North Dakota (ND)	44	8.38%	1.21%	29.29%	295.77%
Maryland (MD)	45	8.37%	-0.43%	38.10%	230.52%
Massachusetts (MA)	46	8.36%	-0.67%	52.35%	308.31%
Louisiana (LA)	47	8.35%	1.25%	32.96%	258.20%
Minnesota (MN)	48	7.74%	-0.27%	47.69%	292.71%
California (CA)	49	7.61%	-2.94%	54.47%	304.53%
Oregon (OR)	50	7.58%	-1.43%	57.32%	516.45%
District of Columbia (DC)	51	1.80%	-2.11%	29.44%	544.07%

*Rankings based on annual percentage change.

**1-Yr changes are relative to the value four quarters ago.

FHFA HPI by Metropolitan Statistical Area Percent Change in House Prices

Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

Period ended 2022Q3

Metropolitan Statistical Area or Division	1-Yr	Qtr	5-Yr	Since 1991Q1
Akron, OH	9.37%	-0.54%	54.50%	174.46%
Albany-Schenectady-Troy, NY	9.33%	-0.77%	43.05%	170.53%
Albuquerque, NM	13.36%	0.53%	61.98%	261.43%
Allentown-Bethlehem-Easton, PA-NJ	12.73%	1.68%	60.03%	180.53%
Anaheim-Santa Ana-Irvine, CA (MSAD)	9.68%	-4.44%	48.82%	345.84%
Atlanta-Sandy Springs-Alpharetta, GA	16.15%	-1.24%	74.37%	301.17%
Austin-Round Rock-Georgetown, TX	8.84%	-5.07%	85.60%	681.63%
Bakersfield, CA	11.49%	-0.61%	60.70%	204.00%
Baltimore-Columbia-Towson, MD	8.65%	-0.21%	34.58%	232.30%
Baton Rouge, LA	7.91%	0.81%	29.83%	243.39%
Birmingham-Hoover, AL	12.79%	1.83%	58.79%	264.09%
Boise City, ID	2.79%	-5.14%	117.80%	594.30%
Boston, MA (MSAD)	7.34%	-0.50%	51.05%	342.81%
Bridgeport-Stamford-Norwalk, CT	12.12%	-0.01%	49.56%	195.74%
Buffalo-Cheektowaga, NY	12.06%	0.14%	63.06%	216.61%
Cambridge-Newton-Framingham, MA (MSAD)	7.27%	-2.32%	49.26%	335.40%
Camden, NJ (MSAD)	14.77%	3.58%	64.91%	194.34%
Cape Coral-Fort Myers, FL	21.99%	-2.37%	89.65%	376.56%
Charleston-North Charleston, SC	24.83%	2.99%	75.62%	500.01%
Charlotte-Concord-Gastonia, NC-SC	17.79%	1.92%	83.44%	328.81%
Chicago-Naperville-Evanston, IL (MSAD)	8.69%	0.14%	37.53%	182.44%
Cincinnati, OH-KY-IN	11.70%	0.38%	61.35%	214.50%
Cleveland-Elyria, OH	10.78%	0.41%	57.06%	166.53%
Colorado Springs, CO	9.74%	-0.68%	78.16%	473.95%
Columbia, SC	17.74%	3.52%	61.63%	216.20%
Columbus, OH	13.17%	1.18%	65.71%	268.35%
Dallas-Plano-Irving, TX (MSAD)	17.44%	-0.64%	63.07%	340.80%
Dayton-Kettering, OH	9.46%	-0.01%	59.93%	155.27%
Denver-Aurora-Lakewood, CO	8.28%	-2.81%	59.31%	626.43%
Detroit-Dearborn-Livonia, MI (MSAD)	8.77%	-1.04%	53.87%	193.99%
El Paso, TX	17.83%	2.77%	59.95%	206.28%
Elgin, IL (MSAD)	10.59%	0.22%	45.17%	143.24%
Fort Lauderdale-Pompano Beach-Sunrise, FL (MSAD)	23.00%	3.25%	81.08%	460.82%
Fort Worth-Arlington-Grapevine, TX (MSAD)	15.88%	-0.56%	68.67%	320.04%
Frederick-Gaithersburg-Rockville, MD (MSAD)	8.56%	0.48%	38.33%	252.00%
Fresno, CA	11.79%	-2.34%	58.80%	253.46%
Gary, IN (MSAD)	10.06%	1.60%	60.86%	213.71%
Grand Rapids-Kentwood, MI	11.45%	0.00%	71.04%	284.33%

FHFA HPI by Metropolitan Statistical Area Percent Change in House Prices

Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

Period ended 2022Q3

Metropolitan Statistical Area or Division	1-Yr	Qtr	5-Yr	Since 1991Q1
Greensboro-High Point, NC	20.53%	5.02%	71.36%	203.65%
Greenville-Anderson, SC	18.73%	1.74%	77.60%	315.99%
Hartford-East Hartford-Middletown, CT	11.37%	-0.29%	43.70%	118.74%
Houston-The Woodlands-Sugar Land, TX	12.62%	2.30%	44.58%	310.04%
Indianapolis-Carmel-Anderson, IN	13.23%	-0.63%	69.33%	228.91%
Jacksonville, FL	20.74%	2.35%	87.30%	416.71%
Kansas City, MO-KS	12.18%	1.01%	63.53%	280.89%
Knoxville, TN	18.35%	0.94%	91.30%	333.45%
Lake County-Kenosha County, IL-WI (MSAD)	11.22%	1.35%	40.93%	152.10%
Las Vegas-Henderson-Paradise, NV	14.53%	-1.83%	82.80%	277.23%
Little Rock-North Little Rock-Conway, AR	13.76%	2.23%	45.32%	198.59%
Los Angeles-Long Beach-Glendale, CA (MSAD)	5.28%	-4.57%	49.55%	314.76%
Louisville/Jefferson County, KY-IN	8.54%	0.52%	49.01%	259.83%
Memphis, TN-MS-AR	13.81%	1.55%	63.68%	211.83%
Miami-Miami Beach-Kendall, FL (MSAD)	21.47%	1.88%	78.87%	561.41%
Milwaukee-Waukesha, WI	10.85%	0.76%	53.37%	265.31%
Minneapolis-St. Paul-Bloomington, MN-WI	6.61%	-0.25%	46.35%	294.89%
Montgomery County-Bucks County-Chester County, PA (MSAD)	9.88%	0.78%	49.83%	216.15%
Nashville-Davidson--Murfreesboro--Franklin, TN	19.85%	-0.01%	84.49%	470.00%
Nassau County-Suffolk County, NY (MSAD)	10.32%	0.05%	50.62%	327.00%
New Haven-Milford, CT	10.64%	0.50%	52.32%	146.52%
New Orleans-Metairie, LA	7.25%	0.78%	38.78%	307.52%
New York-Jersey City-White Plains, NY-NJ (MSAD)	9.41%	-1.25%	39.06%	276.84%
Newark, NJ-PA (MSAD)	11.60%	1.16%	46.75%	256.89%
North Port-Sarasota-Bradenton, FL	29.20%	2.51%	95.85%	483.73%
Oakland-Berkeley-Livermore, CA (MSAD)	-0.57%	-5.93%	43.25%	364.98%
Oklahoma City, OK	10.07%	-0.46%	47.01%	263.70%
Omaha-Council Bluffs, NE-IA	11.24%	0.03%	58.80%	273.53%
Orlando-Kissimmee-Sanford, FL	22.81%	3.39%	82.81%	357.25%
Oxnard-Thousand Oaks-Ventura, CA	8.57%	-1.07%	48.13%	296.15%
Philadelphia, PA (MSAD)	7.53%	0.57%	45.16%	274.83%
Phoenix-Mesa-Chandler, AZ	14.70%	-3.42%	93.31%	509.82%
Pittsburgh, PA	7.97%	0.50%	48.55%	244.78%
Portland-Vancouver-Hillsboro, OR-WA	6.41%	-2.37%	48.15%	528.42%
Providence-Warwick, RI-MA	10.97%	-0.70%	62.00%	262.43%
Raleigh-Cary, NC	16.67%	-2.74%	78.14%	333.05%
Richmond, VA	11.29%	0.21%	56.83%	278.12%
Riverside-San Bernardino-Ontario, CA	12.59%	-1.45%	72.44%	296.99%

FHFA HPI by Metropolitan Statistical Area Percent Change in House Prices

Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

Period ended 2022Q3

Metropolitan Statistical Area or Division	1-Yr	Qtr	5-Yr	Since 1991Q1
Rochester, NY	11.31%	-0.34%	57.96%	147.61%
Sacramento-Roseville-Folsom, CA	5.33%	-4.58%	52.63%	256.33%
Salt Lake City, UT	7.87%	-4.78%	82.39%	655.57%
San Antonio-New Braunfels, TX	14.93%	0.63%	64.27%	369.37%
San Diego-Chula Vista-Carlsbad, CA	8.43%	-3.52%	57.37%	385.32%
San Francisco-San Mateo-Redwood City, CA (MSAD)	-4.27%	-14.11%	22.29%	418.69%
San Jose-Sunnyvale-Santa Clara, CA	1.06%	-8.53%	41.18%	422.48%
Seattle-Bellevue-Kent, WA (MSAD)	7.23%	-3.73%	56.36%	489.55%
St. Louis, MO-IL	10.07%	-0.21%	48.23%	222.28%
Stockton, CA	6.06%	-2.54%	59.42%	248.28%
Syracuse, NY	12.79%	1.64%	53.59%	149.49%
Tacoma-Lakewood, WA (MSAD)	9.36%	-1.39%	81.75%	462.77%
Tampa-St. Petersburg-Clearwater, FL	23.81%	1.76%	101.29%	493.59%
Tucson, AZ	15.89%	1.22%	80.88%	364.63%
Tulsa, OK	14.62%	0.72%	59.62%	246.25%
Urban Honolulu, HI	9.75%	0.02%	35.80%	245.74%
Virginia Beach-Norfolk-Newport News, VA-NC	10.61%	0.15%	46.07%	255.60%
Warren-Troy-Farmington Hills, MI (MSAD)	8.33%	-0.58%	49.31%	213.05%
Washington-Arlington-Alexandria, DC-VA-MD-WV (MSAD)	4.47%	-1.96%	36.03%	285.74%
West Palm Beach-Boca Raton-Boynton Beach, FL (MSAD)	24.62%	3.69%	88.59%	456.47%
Wichita, KS	13.94%	2.61%	58.59%	218.74%
Wilmington, DE-MD-NJ (MSAD)	12.11%	-0.21%	50.23%	181.78%
Winston-Salem, NC	12.58%	-2.95%	68.05%	203.30%
Worcester, MA-CT	10.24%	1.01%	58.47%	245.68%

Note: Purchase-Only indexes, which omit appraisal values, are available for the 100 largest metro areas at <https://www.fhfa.gov/DataTools/Downloads/Pages/House-Price-Index-Datasets.aspx#qpo>.

Note: All-Transactions indexes, which include appraisal values, are available for the select metro areas at <https://www.fhfa.gov/DataTools/Downloads/Pages/House-Price-Index-Datasets.aspx#qat>.

For composition of metropolitan statistical areas and divisions see FHFA HPI FAQs #7 and #8 or <https://www.whitehouse.gov/wp-content/uploads/2020/03/Bulletin-20-01.pdf>.

Source: FHFA

Top 20 Metropolitan Areas Ranked by Annual Appreciation

Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

Period ended 2022Q3

Metropolitan Statistical Area or Division	National Ranking*	1-Yr	Qtr	5-Yr	Since 1991Q1
North Port-Sarasota-Bradenton, FL	1	29.20%	2.51%	95.85%	483.73%
Charleston-North Charleston, SC	2	24.83%	2.99%	75.62%	500.01%
West Palm Beach-Boca Raton-Boynton Beach, FL (MSAD)	3	24.62%	3.69%	88.59%	456.47%
Tampa-St. Petersburg-Clearwater, FL	4	23.81%	1.76%	101.29%	493.59%
Fort Lauderdale-Pompano Beach-Sunrise, FL (MSAD)	5	23.00%	3.25%	81.08%	460.82%
Orlando-Kissimmee-Sanford, FL	6	22.81%	3.39%	82.81%	357.25%
Cape Coral-Fort Myers, FL	7	21.99%	-2.37%	89.65%	376.56%
Miami-Miami Beach-Kendall, FL (MSAD)	8	21.47%	1.88%	78.87%	561.41%
Jacksonville, FL	9	20.74%	2.35%	87.30%	416.71%
Greensboro-High Point, NC	10	20.53%	5.02%	71.36%	203.65%
Nashville-Davidson--Murfreesboro--Franklin, TN	11	19.85%	-0.01%	84.49%	470.00%
Greenville-Anderson, SC	12	18.73%	1.74%	77.60%	315.99%
Knoxville, TN	13	18.35%	0.94%	91.30%	333.45%
El Paso, TX	14	17.83%	2.77%	59.95%	206.28%
Charlotte-Concord-Gastonia, NC-SC	15	17.79%	1.92%	83.44%	328.81%
Columbia, SC	16	17.74%	3.52%	61.63%	216.20%
Dallas-Plano-Irving, TX (MSAD)	17	17.44%	-0.64%	63.07%	340.80%
Raleigh-Cary, NC	18	16.67%	-2.74%	78.14%	333.05%
Atlanta-Sandy Springs-Alpharetta, GA	19	16.15%	-1.24%	74.37%	301.17%
Tucson, AZ	20	15.89%	1.22%	80.88%	364.63%

Note: Purchase-Only indexes, which omit appraisal values, are available for the 100 largest metro areas at <https://www.fhfa.gov/DataTools/Downloads/Pages/House-Price-Index-Datasets.aspx#gpo>.

Note: All-Transactions indexes, which include appraisal values, are available for the select metro areas at <https://www.fhfa.gov/DataTools/Downloads/Pages/House-Price-Index-Datasets.aspx#gat>.

For composition of metropolitan statistical areas and divisions see FHFA HPI FAQs or <https://www.whitehouse.gov/wp-content/uploads/2020/03/Bulletin-20-01.pdf>.

Source: FHFA

Bottom 20 Metropolitan Areas Ranked by Annual Appreciation

Purchase-Only FHFA HPI® (Seasonally Adjusted, Nominal)

Period ended 2022Q3

Metropolitan Statistical Area or Division	National Ranking*	1-Yr	Qtr	5-Yr	Since 1991Q1
San Francisco-San Mateo-Redwood City, CA (MSAD)	100	-4.27%	-14.11%	22.29%	418.69%
Oakland-Berkeley-Livermore, CA (MSAD)	99	-0.57%	-5.93%	43.25%	364.98%
San Jose-Sunnyvale-Santa Clara, CA	98	1.06%	-8.53%	41.18%	422.48%
Boise City, ID	97	2.79%	-5.14%	117.80%	594.30%
Washington-Arlington-Alexandria, DC-VA-MD-WV (MSAD)	96	4.47%	-1.96%	36.03%	285.74%
Los Angeles-Long Beach-Glendale, CA (MSAD)	95	5.28%	-4.57%	49.55%	314.76%
Sacramento-Roseville-Folsom, CA	94	5.33%	-4.58%	52.63%	256.33%
Stockton, CA	93	6.06%	-2.54%	59.42%	248.28%
Portland-Vancouver-Hillsboro, OR-WA	92	6.41%	-2.37%	48.15%	528.42%
Minneapolis-St. Paul-Bloomington, MN-WI	91	6.61%	-0.25%	46.35%	294.89%
Seattle-Bellevue-Kent, WA (MSAD)	90	7.23%	-3.73%	56.36%	489.55%
New Orleans-Metairie, LA	89	7.25%	0.78%	38.78%	307.52%
Cambridge-Newton-Framingham, MA (MSAD)	88	7.27%	-2.32%	49.26%	335.40%
Boston, MA (MSAD)	87	7.34%	-0.50%	51.05%	342.81%
Philadelphia, PA (MSAD)	86	7.53%	0.57%	45.16%	274.83%
Salt Lake City, UT	85	7.87%	-4.78%	82.39%	655.57%
Baton Rouge, LA	84	7.91%	0.81%	29.83%	243.39%
Pittsburgh, PA	83	7.97%	0.50%	48.55%	244.78%
Denver-Aurora-Lakewood, CO	82	8.28%	-2.81%	59.31%	626.43%
Warren-Troy-Farmington Hills, MI (MSAD)	81	8.33%	-0.58%	49.31%	213.05%

Note: Purchase-Only indexes, which omit appraisal values, are available for the 100 largest metro areas at <https://www.fhfa.gov/DataTools/Downloads/Pages/House-Price-Index-Datasets.aspx#gpo>.

Note: All-Transactions indexes, which include appraisal values, are available for the select metro areas at <https://www.fhfa.gov/DataTools/Downloads/Pages/House-Price-Index-Datasets.aspx#gat>.

For composition of metropolitan statistical areas and divisions see FHFA HPI FAQs or <https://www.whitehouse.gov/wp-content/uploads/2020/03/Bulletin-20-01.pdf>.

Source: FHFA

Monthly Table

Monthly Price Change Estimates for U.S. and Census Divisions

Purchase-Only FHFA HPI[®] (Seasonally Adjusted, Nominal)

	U.S.	Pacific	Mountain	West North Central	West South Central	East North Central	East South Central	New England	Middle Atlantic	South Atlantic
Aug 22 - Sep 22	0.1%	0.2%	-0.8%	0.1%	-0.3%	0.4%	1.0%	-1.0%	0.3%	0.1%
Jul 22 - Aug 22	-0.7%	-1.3%	-1.7%	-0.1%	-0.3%	-0.4%	-0.3%	0.1%	-0.8%	-0.7%
<i>(Previous Estimate)</i>	-0.7%	-1.3%	-2.0%	0.0%	-0.1%	-0.6%	-0.3%	0.4%	-0.8%	-0.7%
Jun 22 - Jul 22	-0.6%	-1.5%	-1.1%	0.0%	-0.6%	0.0%	-0.2%	-1.0%	-0.7%	-0.7%
<i>(Previous Estimate)</i>	-0.6%	-1.5%	-1.0%	-0.1%	-0.7%	0.0%	-0.2%	-1.1%	-0.6%	-0.6%
May 22 - Jun 22	0.1%	-0.4%	-0.7%	-0.5%	0.0%	-0.4%	1.1%	-0.6%	1.2%	0.8%
<i>(Previous Estimate)</i>	0.1%	-0.5%	-0.9%	-0.6%	-0.1%	-0.4%	1.2%	-0.5%	1.2%	0.7%
Apr 22 - May 22	1.2%	0.0%	1.2%	0.9%	1.8%	1.4%	1.4%	1.1%	0.9%	1.7%
<i>(Previous Estimate)</i>	1.2%	-0.1%	1.1%	0.9%	1.9%	1.3%	1.4%	1.1%	0.8%	1.7%
Mar 22 - Apr 22	1.6%	1.2%	1.6%	1.9%	2.4%	1.3%	0.8%	2.1%	1.2%	2.1%
<i>(Previous Estimate)</i>	1.6%	1.1%	1.6%	1.9%	2.3%	1.2%	0.8%	2.1%	1.3%	2.1%
12-Month Change:										
Sep 21 - Sep 22	11.0%	7.1%	9.3%	9.8%	11.1%	10.4%	14.0%	8.9%	10.1%	15.2%

Monthly Index Values for Latest 18 Months: U.S. and Census Divisions

Purchase-Only FHFA HPI[®] (Seasonally Adjusted, Nominal, January 1991 = 100)

	U.S.	Pacific	Mountain	West North Central	West South Central	East North Central	East South Central	New England	Middle Atlantic	South Atlantic
September-22	392.3	448.0	570.2	370.1	402.8	313.6	372.1	367.1	336.6	421.0
August-22	392.0	447.2	574.6	369.9	404.0	312.4	368.6	370.9	335.5	420.5
July-22	394.6	453.0	584.5	370.1	405.1	313.5	369.9	370.4	338.2	423.6
June-22	397.2	460.1	591.3	370.1	407.5	313.6	370.7	374.2	340.5	426.4
May-22	396.6	461.8	595.7	372.0	407.3	314.9	366.6	376.6	336.4	422.8
April-22	391.9	461.7	588.9	368.5	400.0	310.5	361.4	372.4	333.5	415.7
March-22	385.6	456.3	579.8	361.6	390.8	306.7	358.6	364.6	329.4	407.0
February-22	380.0	450.1	565.8	358.4	386.1	302.2	351.9	358.2	325.6	401.0
January-22	373.0	443.3	553.4	351.8	380.9	298.5	346.2	349.8	319.3	390.6
December-21	367.6	436.1	544.5	348.0	375.5	294.8	340.7	348.3	314.3	383.5
November-21	362.5	429.5	535.7	343.0	371.4	290.5	337.7	340.8	311.4	378.1
October-21	357.9	425.2	529.0	340.4	365.9	287.3	331.9	338.1	309.2	370.8
September-21	353.4	418.3	521.6	337.1	362.4	284.0	326.5	336.9	305.7	365.4
August-21	350.1	415.9	518.2	334.6	355.9	282.3	323.2	331.1	302.8	362.0
July-21	346.4	411.5	508.5	332.2	352.7	280.4	317.7	331.8	302.1	355.7
June-21	341.4	405.2	500.8	329.1	346.4	277.7	312.7	327.5	297.9	349.4
May-21	335.3	398.2	486.9	324.9	339.8	273.4	307.3	322.5	295.1	341.4
April-21	329.5	388.9	476.4	318.3	335.6	269.4	302.3	316.2	291.4	335.4

Source: FHFA

An overview of the FHFA HPI

The FHFA House Price Index® (FHFA HPI®) is a broad economic measure of the movement of single-family house prices in the United States. The production of the FHFA HPI is statutorily mandated (12 U.S.C. 4542) but it began in 1995 with one of FHFA's predecessor agencies, the Office of the Federal Housing Enterprise Oversight (OFHEO). The initial reports contained information about regional and national house price movements. Sample coverage has expanded with better access to new data sources and technological improvements for processing such information. Today, indexes cover all 50 states and over 400 American cities while extending back to the mid-1970s.

FHFA constructs several indexes for different market geographies and periods. The entire suite of indexes is often referenced, in a general sense, as the “FHFA HPI” to reflect that all indexes are created in the same technical manner. The flagship FHFA HPI is the purchase-only index which uses seasonally adjusted, purchase-only data; the index is the most common choice for press releases, news stories, and social media. Additional indexes have been created to address questions about house price changes in other market segments like with refinances, FHA mortgages, or the entire single-family property market. Data constraints preclude the production of some kinds of indexes in certain geographic areas, but multiple index types (flavors) are generally available. Quarterly reports usually contain index flavors such as:

- “Purchase-Only” HPI: Tracks changes in transaction prices for conforming, conventional mortgages that are purchased or securitized.
- “All-Transactions” HPI: Appraisal values from refinance mortgages are added to the Purchase-Only HPI data sample.
- “Expanded-Data” HPI: Sales price information sourced from county recorder offices and from FHA-backed mortgages are added to the Purchase-Only HPI data sample. This index is used to adjust the conforming loan limits, which establish the dollar amount of loans that can be acquired by Fannie Mae and Freddie Mac
- “Distress-Free” HPI: Sales of bank-owned properties and short sales are removed from the Purchase-Only dataset prior to estimation of the index.
- “Annual” HPI. Uses the All-Transactions data but indexes are constructed on a yearly basis to provide data for very small geographic areas like counties, ZIP codes, and census tracts.

The summary table below details the frequency and geography of the available indexes.

	National	Census Division	States	MSAs or Cities	ZIP3, Non-metro	ZIP Codes	Counties	Census Tracts
Monthly	✓	✓						
Quarterly	✓	✓	✓	✓	✓			
Annual	✓	✓	✓	✓	✓	✓	✓	✓

The FHFA HPI suite is built on tens of millions of home sales and offers insights about house price fluctuations at various geographic levels. For more information, see the HPI Frequently Asked Questions, available online at <https://www.fhfa.gov/Media/PublicAffairs/Pages/House-Price-Index-Frequently-Asked-Questions.aspx>.

FHFA HPI Release Dates for 2022

Public FHFA HPI® releases occur at 9AM ET and include a press release, tables, figures, and associated data.

Date	Release Type	Latest Included Data
Tuesday, January 25	Monthly Index	November 2021
Tuesday, February 22	Quarterly Index (with Monthly Tables)	December 2021 and 2021Q4
Tuesday, March 29	Monthly Index	January 2022
Tuesday, April 26	Monthly Index	February 2022
Tuesday, May 31	Quarterly Index (with Monthly Tables)	March 2022 and 2022Q1
Tuesday, June 28	Monthly Index	April 2022
Tuesday, July 26	Monthly Index	May 2022
Tuesday, August 30	Quarterly Index (with Monthly Tables)	June 2022 and 2022Q2
Tuesday, September 27	Monthly Index	July 2022
Tuesday, October 25	Monthly Index	August 2022
Tuesday, November 29	Quarterly Index (with Monthly Tables)	September 2022 and 2022Q3
Tuesday, December 27	Monthly Index	October 2022

All data are freely available for download from the FHFA HPI website at

<https://www.fhfa.gov/HPI>

FHFA HPI Release Dates for 2023

Public FHFA HPI® releases occur at 9AM ET and include a press release, tables, figures, and associated data.

Date	Release Type	Latest Included Data
Tuesday, January 31	Monthly Index	November 2022
Tuesday, February 28	Quarterly Index (with Monthly Tables)	December 2022 and 2022Q4
Tuesday, March 28	Monthly Index	January 2023
Tuesday, April 25	Monthly Index	February 2023
Tuesday, May 30	Quarterly Index (with Monthly Tables)	March 2023 and 2023Q1
Tuesday, June 27	Monthly Index	April 2023
Tuesday, July 25	Monthly Index	May 2023
Tuesday, August 29	Quarterly Index (with Monthly Tables)	June 2023 and 2023Q2
Tuesday, September 26	Monthly Index	July 2023
Tuesday, October 31	Monthly Index	August 2023
Tuesday, November 28	Quarterly Index (with Monthly Tables)	September 2023 and 2023Q3
Tuesday, December 26	Monthly Index	October 2023

All data are freely available for download from the FHFA HPI website at

<https://www.fhfa.gov/HPI>