The Chase Housing Confidence Index™
Q1 2018

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INDEX LEVELS: 4-Year Change Sort

ALL-TENURE

Headline Index Levels — Housing Confidence

	Index	2 Yr	3 Yr	4 Yr
United States	66.3	n.a.	n.a.	n.a.
REGIONS Midwest	63.9	n.a.	n.a.	n.a.
Northeast	64.1	n.a.	n.a.	n.a.
South	66.8	n.a.	n.a.	n.a.
West	69.5	n.a.	n.a.	n.a.
Metro Areas				
Composite 25	68.8	n.a.	n.a.	n.a.
Composite 20	68.7	▲ 1.8	▲ 2.2	▲ 5.0
Columbus	67.0	n.a.	n.a.	n.a.
Houston	69.0	n.a.	n.a.	n.a.
Indianapolis	66.3	n.a.	n.a.	n.a.
Orlando	71.7	n.a.	n.a.	n.a.
San Antonio	70.1	n.a.	n.a.	n.a.
Detroit	68.7	▲ 2.8	▲ 5.0	▲ 9.3
Dallas	73.2	▲ 3.5	▲ 5.5	▲ 8.8
Las Vegas	72.5	▲ 5.6	▲ 4.3	▲ 8.4
Denver	72.8	▲ 3.8	▲ 2.5	▲ 8.4
Seattle	71.5	▲ 2.2	▲ 0.8	▲ 7.3
Tampa	69.8	▲ 4.3	▲ 3.6	▲ 7.2
Atlanta	69.5	▲ 2.3	▲ 2.6	▲ 6.6
Minneapolis	68.8	▲ 2.3	▲ 2.9	▲ 6.2
San Francisco	71.9	▲ 4.0	▲ 3.2	▲ 5.5
Boston	68.8	▲ 0.8	▲ 2.6	▲ 5.4
St. Louis	64.3	▲ 4.0	▲ 3.0	▲ 5.4
Los Angeles	69.2	▼ -1.5	▲ 0.9	▲ 4.8
Phoenix	71.1	▲ 0.7	▲ 1.5	▲ 4.4
Philadelphia	64.7	▲ 3.1	▲ 2.4	▲ 3.9
Washington DC	69.3	▲ 1.8	▲ 0.2	▲ 3.5
New York	66.3	▲ 1.7	▲ 2.5	▲ 3.4
Miami	70.5	▲ 1.5	▲ 0.9	▲ 3.0
Chicago	65.4	▲ 0.8	▲ 0.3	▲ 2.8
San Jose	71.9	▲ 1.4	▼ -0.1	▲ 2.5
San Diego	69.0	▲ 0.4	▲ 2.1	▲ 1.8

Indicator (Sub-Index) Levels — Housing Market Conditions

	Index	2 Yr	3 Yr	4 Yr
United States	67.4	n.a.	n.a.	n.a.
REGIONS Midwest	66.6	n.a.	n.a.	n.a.
Northeast	63.5	n.a.	n.a.	n.a.
South	68.0	n.a.	n.a.	n.a.
West	70.4	n.a.	n.a.	n.a.
Metro Areas				
Composite 25	70.2	n.a.	n.a.	n.a.
Composite 20	70.1	▲ 0.5	▲ 0.6	▲ 10.1
Columbus	70.1	n.a.	n.a.	n.a.
Houston	70.4	n.a.	n.a.	n.a.
Indianapolis	70.3	n.a.	n.a.	n.a.
Orlando	75.1	n.a.	n.a.	n.a.
San Antonio	72.9	n.a.	n.a.	n.a.
Atlanta	73.3	▲ 4.0	▲ 5.0	▲ 19.0
St. Louis	67.2	▲ 6.2	▲ 5.6	▲ 17.6
Detroit	71.6	▲ 2.6	▲ 2.9	▲ 17.2
Las Vegas	77.5	▲ 7.7	▲ 7.3	▲ 17.0
Tampa	74.5	▲ 5.9	▲ 5.0	▲ 16.5
Dallas	75.4	▲ 0.6	▲ 2.8	▲ 14.0
Chicago	66.2	▲ 3.0	▲ 1.1	▲ 13.5
Minneapolis	75.7	▲ 4.1	▲ 1.9	▲ 13.5
Philadelphia	64.9	▲ 4.6	▲ 2.0	▲ 12.7
Denver	77.1	▲ 1.0	▼ -0.8	▲ 11.6
Boston	71.6	▼ -1.6	▼ -1.7	▲ 10.5
Seattle	74.0	▼ -1.1	▼ -2.7	▲ 10.4
Miami	72.9	▲ 2.2	▲ 1.0	▲ 9.8
Phoenix	75.0	▼ -4.0	▲ 1.2	▲ 8.0
Washington DC	70.1	▲ 1.1	▼ -3.4	▲ 7.0
New York	64.6	▼ -1.9	▼ -0.2	▲ 5.9
Los Angeles	68.5	▼ -5.2	▼ -2.5	▲ 4.8
San Diego	68.8	▼ -4.4	▼ -1.4	▲ 3.3
San Francisco	72.4	▲ 0.1	▼ -2.8	▲ 2.7
San Jose	72.7	▲ 0.6	▼ -1.7	▲ 2.1

Indicator (Sub-Index) Levels — Housing Expectations

	Index	2 Yr	3 Yr	4 Yr
United States	68.8	n.a.	n.a.	n.a.
REGIONS Midwest	64.7	n.a.	n.a.	n.a.
Northeast	66.5	n.a.	n.a.	n.a.
South	69.8	n.a.	n.a.	n.a.
West	72.7	n.a.	n.a.	n.a.
Metro Areas				
Composite 25	71.0	n.a.	n.a.	n.a.
Composite 20	71.1	▲ 3.6	▲ 4.1	▲ 4.8
Columbus	68.7	n.a.	n.a.	n.a.
Houston	69.7	n.a.	n.a.	n.a.
Indianapolis	67.0	n.a.	n.a.	n.a.
Orlando	73.2	n.a.	n.a.	n.a.
San Antonio	73.2	n.a.	n.a.	n.a.
Denver	74.9	▲ 6.2	▲ 4.3	▲ 9.4
Dallas	75.3	▲ 6.4	▲ 7.7	▲ 9.3
Las Vegas	75.4	▲ 9.9	▲ 7.3	▲ 9.0
Detroit	69.6	▲ 3.9	▲ 6.8	▲ 8.7
Seattle	75.1	▲ 5.0	▲ 2.9	▲ 8.3
San Francisco	75.4	▲ 6.0	▲ 6.1	▲ 6.6
Los Angeles	72.1	▲ 0.5	▲ 2.8	▲ 5.8
Tampa	71.5	▲ 5.1	▲ 3.8	▲ 5.0
Boston	70.6	▲ 1.5	▲ 3.5	▲ 4.7
New York	69.9	▲ 4.9	▲ 6.2	▲ 4.6
Minneapolis	69.2	▲ 1.7	▲ 3.8	▲ 4.4
San Jose	75.9	▲ 2.6	▲ 2.0	▲ 4.3
Miami	72.7	▲ 3.7	▲ 3.0	▲ 4.1
Phoenix	72.8	▲ 3.6	▲ 2.9	▲ 4.0
Atlanta	70.6	▲ 3.2	▲ 4.5	▲ 3.9
San Diego	72.9	▲ 3.5	▲ 4.4	▲ 3.1
St. Louis	65.3	▲ 4.1	▲ 3.0	▲ 2.7
Philadelphia	67.0	▲ 3.1	▲ 3.7	▲ 2.4
Washington DC	71.1	▲ 2.1	▲ 1.7	▲ 2.2
Chicago	66.2	▲ 0.6	▬ 0.0	▼ -0.5

Indicator (Sub-Index) Levels — Homeownership Aspirations

	Index	2 Yr	3 Yr	4 Yr
United States	60.2	n.a.	n.a.	n.a.
REGIONS Midwest	59.6	n.a.	n.a.	n.a.
Northeast	59.7	n.a.	n.a.	n.a.
South	59.5	n.a.	n.a.	n.a.
West	62.3	n.a.	n.a.	n.a.
Metro Areas				
Composite 25	62.9	n.a.	n.a.	n.a.
Composite 20	62.8	▼ -0.2	▲ 0.2	▲ 0.4
Columbus	60.5	n.a.	n.a.	n.a.
Houston	66.4	n.a.	n.a.	n.a.
Indianapolis	60.9	n.a.	n.a.	n.a.
Orlando	65.2	n.a.	n.a.	n.a.
San Antonio	61.0	n.a.	n.a.	n.a.
San Francisco	64.2	▲ 3.6	▲ 3.4	▲ 6.1
Denver	64.2	▲ 1.7	▲ 1.9	▲ 3.3
Los Angeles	64.1	▼ -1.9	▲ 0.4	▲ 2.9
Detroit	64.0	▲ 0.9	▲ 3.4	▲ 2.7
Washington DC	65.2	▲ 2.1	▲ 1.3	▲ 2.7
Dallas	66.6	▲ 0.3	▲ 3.7	▲ 2.3
Tampa	61.6	▲ 1.2	▲ 1.6	▲ 2.2
Minneapolis	60.8	▲ 1.3	▲ 1.7	▲ 2.1
Seattle	61.7	▼ -0.1	▲ 0.1	▲ 2.0
Phoenix	63.8	▼ -0.6	▼ -0.7	▲ 1.7
Boston	62.4	▲ 1.7	▲ 5.0	▲ 1.5
Atlanta	63.5	▼ -1.0	▼ -3.7	▼ -0.3
San Jose	62.9	▼ -0.5	▼ -2.9	▼ -0.9
Las Vegas	61.7	▼ -5.0	▼ -4.6	▼ -1.2
St. Louis	59.6	▲ 2.0	▲ 0.4	▼ -1.2
Chicago	63.2	▼ -0.9	▲ 0.2	▼ -1.2
New York	60.8	▼ -1.2	▼ -2.1	▼ -1.7
Philadelphia	60.0	▲ 1.5	▲ 0.4	▼ -1.7
San Diego	61.7	▼ -0.7	▲ 1.1	▼ -2.0
Miami	63.7	▼ -3.6	▼ -3.3	▼ -6.0

● The Composite 20 index excludes Columbus, Houston, Indianpolis, Orlando, and San Antonio.

● The complete HCI methodology, including details concerning index factors & components, composite index constituents and weights, is available here: https://pulsenomics.com/Housing_Confidence_Index.html

● The Chase Home Lending Housing Confidence Index™ (HCI) is calculated by Pulsenomics LLC using data collected from The U.S. Housing Confidence Survey™ (HCS). HCS is managed by Pulsenomics. A minimum of 500 household heads residing within each of the 25 metropolitan areas complete the HCS questionnaire every time the survey is fielded. To calculate each edition of HCI, Pulsenomics compiles more than 700,000 HCS response data points that are collected from 15,500 completed questionnaires (500 from each of 25 individual metropolitan statistical areas, plus 3,000 from a national sample). Detailed information concerning HCS and HCI can be found at www.pulsenomics.com (https://pulsenomics.com/Housing_Confidence_Survey.html).

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The Chase Housing Confidence Index™
Q1 2018

INDEX LEVELS: 4-Year Change Sort

HOMEOWNERS

Headline Index Levels — Housing Confidence

	Index	2 Yr	3 Yr	4 Yr
United States	**68.6**	n.a.	n.a.	n.a.
Midwest	66.1	n.a.	n.a.	n.a.
Northeast	66.0	n.a.	n.a.	n.a.
South	69.5	n.a.	n.a.	n.a.
West	71.7	n.a.	n.a.	n.a.
Metro Areas				
Composite 25	71.6	n.a.	n.a.	n.a.
Composite 20	71.6	▲ 1.3	▲ 2.0	▲ 4.7
Columbus	69.4	n.a.	n.a.	n.a.
Houston	71.6	n.a.	n.a.	n.a.
Indianapolis	69.7	n.a.	n.a.	n.a.
Orlando	75.3	n.a.	n.a.	n.a.
San Antonio	73.8	n.a.	n.a.	n.a.
Dallas	76.0	▲ 2.7	▲ 4.5	▲ 10.3
Detroit	71.5	▲ 4.4	▲ 5.3	▲ 9.2
Tampa	73.2	▲ 4.8	▲ 5.8	▲ 9.2
Denver	75.4	▲ 3.0	▲ 3.2	▲ 9.1
Las Vegas	75.5	▲ 4.7	▲ 3.1	▲ 8.6
Seattle	75.9	▲ 4.0	▲ 1.5	▲ 8.4
Atlanta	72.5	▲ 1.6	▲ 4.6	▲ 7.1
Boston	72.3	▲ 0.6	▲ 1.7	▲ 6.5
Minneapolis	71.5	▲ 2.9	▲ 2.8	▲ 6.0
Phoenix	74.4	▲ 1.9	▲ 1.1	▲ 5.2
St. Louis	67.0	▲ 3.3	▲ 4.7	▲ 5.2
San Francisco	76.4	▲ 2.4	▲ 3.4	▲ 5.2
New York	69.0	▼ -1.0	▲ 2.3	▲ 4.3
Miami	73.7	▲ 1.7	▲ 1.0	▲ 4.1
San Jose	75.1	▲ 1.8	▲ 0.2	▲ 1.9
Philadelphia	66.7	▲ 1.4	▲ 2.6	▲ 1.8
Washington DC	70.4	▲ 0.6	▼ -1.5	▲ 1.5
Los Angeles	72.8	▼ -3.5	▲ 0.5	▲ 1.3
Chicago	67.7	▲ 2.2	▼ -1.5	▲ 0.7
San Diego	71.7	▼ -0.9	▼ -0.4	▼ -1.1

Indicator (Sub-Index) Levels — Housing Market Conditions

	Index	2 Yr	3 Yr	4 Yr
United States	**72.1**	n.a.	n.a.	n.a.
Midwest	71.1	n.a.	n.a.	n.a.
Northeast	67.2	n.a.	n.a.	n.a.
South	73.6	n.a.	n.a.	n.a.
West	74.6	n.a.	n.a.	n.a.
Metro Areas				
Composite 25	75.9	n.a.	n.a.	n.a.
Composite 20	75.7	▲ 3.0	▲ 3.0	▲ 13.1
Columbus	76.9	n.a.	n.a.	n.a.
Houston	75.7	n.a.	n.a.	n.a.
Indianapolis	76.7	n.a.	n.a.	n.a.
Orlando	82.2	n.a.	n.a.	n.a.
San Antonio	79.8	n.a.	n.a.	n.a.
Tampa	82.1	▲ 10.9	▲ 11.1	▲ 23.9
Atlanta	79.9	▲ 6.4	▲ 8.3	▲ 22.6
St. Louis	72.9	▲ 9.1	▲ 8.8	▲ 20.4
Detroit	77.3	▲ 6.0	▲ 5.8	▲ 19.4
Las Vegas	83.5	▲ 9.0	▲ 7.4	▲ 17.5
Dallas	80.9	▲ 2.1	▲ 2.7	▲ 17.2
Minneapolis	80.8	▲ 7.2	▲ 2.7	▲ 15.5
Chicago	71.7	▲ 6.3	▲ 3.7	▲ 14.5
Boston	77.6	▼ -0.7	═ 0.0	▲ 13.8
Philadelphia	69.6	▲ 5.7	▲ 3.5	▲ 13.7
Miami	79.0	▲ 4.5	▲ 1.5	▲ 13.2
Denver	81.1	▲ 2.5	▲ 0.6	▲ 13.1
Seattle	78.7	▲ 1.0	▼ -1.4	▲ 12.6
Phoenix	81.4	▼ -0.4	▲ 4.6	▲ 11.0
New York	69.3	▲ 0.5	▲ 3.7	▲ 10.6
Washington DC	73.4	▲ 3.7	▼ -3.3	▲ 8.1
Los Angeles	75.6	▼ -2.9	▲ 1.4	▲ 7.7
San Francisco	77.4	▲ 0.1	▼ -0.2	▲ 4.5
San Diego	74.6	▼ -3.1	▼ -3.2	▲ 2.7
San Jose	77.1	▲ 1.6	▲ 1.6	▲ 1.0

Indicator (Sub-Index) Levels — Housing Expectations

	Index	2 Yr	3 Yr	4 Yr
United States	**70.4**	n.a.	n.a.	n.a.
Midwest	66.2	n.a.	n.a.	n.a.
Northeast	67.5	n.a.	n.a.	n.a.
South	72.0	n.a.	n.a.	n.a.
West	74.4	n.a.	n.a.	n.a.
Metro Areas				
Composite 25	72.7	n.a.	n.a.	n.a.
Composite 20	72.8	▲ 1.0	▲ 2.1	▲ 2.0
Columbus	68.5	n.a.	n.a.	n.a.
Houston	71.3	n.a.	n.a.	n.a.
Indianapolis	69.0	n.a.	n.a.	n.a.
Orlando	75.6	n.a.	n.a.	n.a.
San Antonio	77.5	n.a.	n.a.	n.a.
Dallas	77.6	▲ 4.4	▲ 6.3	▲ 9.8
Denver	77.3	▲ 2.6	▲ 4.1	▲ 8.0
Detroit	71.8	▲ 4.2	▲ 5.9	▲ 7.5
Seattle	78.9	▲ 5.5	▲ 2.0	▲ 7.5
Las Vegas	77.4	▲ 7.3	▲ 4.6	▲ 7.0
San Francisco	80.5	▲ 3.2	▲ 6.5	▲ 6.2
Tampa	74.5	▲ 3.1	▲ 4.4	▲ 5.6
Boston	73.1	▼ -1.2	▲ 0.6	▲ 4.4
Miami	74.8	▲ 2.4	▲ 2.4	▲ 3.6
Minneapolis	71.2	▲ 1.3	▲ 3.4	▲ 3.1
Phoenix	74.9	▲ 2.8	▼ -0.1	▲ 2.7
New York	71.7	▼ -0.3	▲ 3.6	▲ 2.6
San Jose	79.1	▲ 2.0	▲ 2.2	▲ 2.4
Atlanta	72.5	▲ 1.2	▲ 5.0	▲ 1.6
St. Louis	66.9	▲ 1.5	▲ 3.6	▼ -0.1
Los Angeles	74.2	▼ -3.3	▲ 0.3	▼ -1.8
San Diego	74.8	▲ 2.1	▲ 1.0	▼ -2.2
Washington DC	70.5	▼ -1.9	▼ -2.6	▼ -2.2
Philadelphia	67.4	▼ -0.4	▲ 1.6	▼ -3.1
Chicago	66.6	▼ -0.3	▼ -5.1	▼ -5.7

Indicator (Sub-Index) Levels — Homeownership Aspirations

	Index	2 Yr	3 Yr	4 Yr
United States	**61.3**	n.a.	n.a.	n.a.
Midwest	60.8	n.a.	n.a.	n.a.
Northeast	61.9	n.a.	n.a.	n.a.
South	60.1	n.a.	n.a.	n.a.
West	63.6	n.a.	n.a.	n.a.
Metro Areas				
Composite 25	65.1	n.a.	n.a.	n.a.
Composite 20	65.1	▲ 0.1	▲ 1.0	▲ 1.7
Columbus	63.6	n.a.	n.a.	n.a.
Houston	68.2	n.a.	n.a.	n.a.
Indianapolis	63.9	n.a.	n.a.	n.a.
Orlando	67.8	n.a.	n.a.	n.a.
San Antonio	60.4	n.a.	n.a.	n.a.
Denver	66.1	▲ 4.3	▲ 4.2	▲ 7.4
Seattle	67.1	▲ 4.1	▲ 3.4	▲ 5.9
Dallas	67.9	▲ 0.1	▲ 2.6	▲ 4.5
Phoenix	66.5	▲ 2.5	▲ 0.3	▲ 4.5
San Francisco	67.0	▲ 2.7	▲ 0.5	▲ 3.8
Boston	65.5	▲ 5.5	▲ 5.6	▲ 3.6
Las Vegas	63.9	▼ -4.4	▼ -4.0	▲ 2.8
Atlanta	65.2	▼ -2.3	═ 0.0	▲ 2.6
Minneapolis	62.8	▲ 1.5	▲ 1.8	▲ 2.4
Detroit	65.0	▲ 3.3	▲ 3.3	▲ 2.3
Washington DC	67.1	▲ 2.4	▲ 2.4	▲ 2.3
San Jose	65.3	▲ 1.9	▼ -5.0	▲ 2.1
Tampa	61.6	▲ 2.0	▲ 3.3	▲ 1.7
New York	63.2	▼ -3.9	▼ -1.6	▲ 1.1
Los Angeles	67.2	▼ -4.5	▲ 0.1	▲ 0.8
St. Louis	61.5	▲ 1.1	▲ 3.1	▲ 0.7
Philadelphia	62.4	▲ 0.5	▲ 3.5	▼ -0.3
Chicago	66.0	▲ 3.1	▲ 0.7	▼ -0.4
San Diego	62.3	▼ -5.0	▼ -0.5	▼ -3.0
Miami	66.0	▼ -2.6	▼ -2.7	▼ -4.2

● The Composite 20 index excludes Columbus, Houston, Indianapolis, Orlando, and San Antonio.

● The complete HCI methodology, including details concerning index factors & components, composite index constituents and weights, is available here: https://pulsenomics.com/Housing_Confidence_Index.html

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The Chase Housing Confidence Index™
Q1 2018

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INDEX LEVELS: 4-Year Change Sort

RENTERS

Headline Index Levels — Housing Confidence

REGIONS	Index	2 Yr	3 Yr	4 Yr
United States	62.4	n.a.	n.a.	n.a.
Midwest	58.8	n.a.	n.a.	n.a.
Northeast	60.8	n.a.	n.a.	n.a.
South	62.1	n.a.	n.a.	n.a.
West	66.3	n.a.	n.a.	n.a.
Metro Areas				
Composite 25	64.6	n.a.	n.a.	n.a.
Composite 20	64.7	▲ 3.2	▲ 2.9	▲ 6.7
Columbus	63.4	n.a.	n.a.	n.a.
Houston	65.2	n.a.	n.a.	n.a.
Indianapolis	60.2	n.a.	n.a.	n.a.
Orlando	66.2	n.a.	n.a.	n.a.
San Antonio	64.0	n.a.	n.a.	n.a.
Detroit	62.4	▼ -0.6	▲ 4.8	▲ 11.7
Las Vegas	69.2	▲ 7.5	▲ 6.5	▲ 10.3
Philadelphia	60.7	▲ 7.0	▲ 2.4	▲ 9.7
Los Angeles	65.9	▲ 2.6	▲ 1.5	▲ 9.4
Denver	68.2	▲ 5.2	▲ 1.2	▲ 8.7
Chicago	61.4	▼ -1.5	▲ 4.1	▲ 8.6
Dallas	68.8	▲ 5.0	▲ 7.3	▲ 8.2
Atlanta	64.4	▲ 4.6	▼ -0.6	▲ 8.1
Washington DC	67.6	▲ 4.1	▲ 3.6	▲ 8.1
St. Louis	58.3	▲ 6.4	▼ -0.8	▲ 7.6
Minneapolis	62.4	▲ 1.0	▲ 3.3	▲ 7.4
Seattle	64.8	▼ -0.4	▲ 0.1	▲ 7.0
San Diego	66.1	▲ 2.2	▲ 5.2	▲ 6.7
San Francisco	66.6	▲ 5.9	▲ 3.2	▲ 6.5
San Jose	67.5	▲ 0.8	▼ -0.5	▲ 4.8
Phoenix	65.8	▼ -0.9	▲ 3.2	▲ 4.6
Tampa	64.0	▲ 4.4	▲ 0.2	▲ 4.5
Boston	63.4	▲ 1.3	▲ 4.4	▲ 4.4
New York	63.4	▲ 4.4	▲ 2.7	▲ 3.1
Miami	65.7	▲ 1.7	▲ 1.6	▲ 2.7

Indicator (Sub-Index) Levels — Housing Market Conditions

REGIONS	Index	2 Yr	3 Yr	4 Yr
United States	59.2	n.a.	n.a.	n.a.
Midwest	56.1	n.a.	n.a.	n.a.
Northeast	57.2	n.a.	n.a.	n.a.
South	58.0	n.a.	n.a.	n.a.
West	64.4	n.a.	n.a.	n.a.
Metro Areas				
Composite 25	62.0	n.a.	n.a.	n.a.
Composite 20	62.0	▼ -2.8	▼ -2.7	▲ 6.2
Columbus	59.6	n.a.	n.a.	n.a.
Houston	62.3	n.a.	n.a.	n.a.
Indianapolis	58.6	n.a.	n.a.	n.a.
Orlando	64.4	n.a.	n.a.	n.a.
San Antonio	61.5	n.a.	n.a.	n.a.
Las Vegas	71.1	▲ 7.5	▲ 8.6	▲ 18.3
Atlanta	62.2	▲ 1.0	▲ 0.5	▲ 14.3
Detroit	58.8	▼ -4.7	▼ -3.4	▲ 13.5
Chicago	56.5	▼ -2.4	▼ -3.1	▲ 13.1
St. Louis	54.5	▲ 0.2	▼ -1.0	▲ 12.4
Philadelphia	55.4	▲ 2.9	▼ -0.7	▲ 11.4
Minneapolis	64.0	▼ -3.0	▲ 0.7	▲ 9.9
Dallas	67.1	▼ -1.1	▲ 3.5	▲ 9.9
Denver	70.2	▼ -1.4	▼ -3.0	▲ 9.6
Seattle	66.8	▼ -4.2	▼ -4.5	▲ 7.4
Boston	62.4	▼ -2.4	▼ -3.9	▲ 6.0
Miami	63.6	▼ -0.9	▲ 1.3	▲ 5.3
Washington DC	64.4	▼ -3.3	▼ -3.3	▲ 5.3
San Diego	62.1	▼ -5.7	▲ 1.0	▲ 4.7
Phoenix	64.7	▼ -9.1	▼ -3.5	▲ 4.5
San Jose	66.9	▼ -0.5	▼ -6.0	▲ 4.4
Tampa	61.2	▼ -2.3	▼ -5.1	▲ 3.6
Los Angeles	61.9	▼ -5.3	▼ -5.9	▲ 2.4
San Francisco	66.6	▲ 0.2	▼ -5.6	▲ 0.9
New York	59.4	▼ -4.8	▼ -4.5	▲ 0.7

Indicator (Sub-Index) Levels — Housing Expectations

REGIONS	Index	2 Yr	3 Yr	4 Yr
United States	66.0	n.a.	n.a.	n.a.
Midwest	61.0	n.a.	n.a.	n.a.
Northeast	64.9	n.a.	n.a.	n.a.
South	66.0	n.a.	n.a.	n.a.
West	70.3	n.a.	n.a.	n.a.
Metro Areas				
Composite 25	68.4	n.a.	n.a.	n.a.
Composite 20	68.5	▲ 7.7	▲ 7.3	▲ 10.1
Columbus	69.0	n.a.	n.a.	n.a.
Houston	67.3	n.a.	n.a.	n.a.
Indianapolis	63.3	n.a.	n.a.	n.a.
Orlando	69.5	n.a.	n.a.	n.a.
San Antonio	66.2	n.a.	n.a.	n.a.
Philadelphia	66.1	▲ 10.6	▲ 8.2	▲ 15.0
Los Angeles	70.3	▲ 6.5	▲ 5.6	▲ 14.5
Denver	70.8	▲ 12.6	▲ 4.8	▲ 13.7
Detroit	64.6	▲ 3.6	▲ 9.4	▲ 13.7
Las Vegas	73.3	▲ 14.1	▲ 11.3	▲ 13.7
Seattle	69.5	▲ 4.6	▲ 4.8	▲ 11.3
St. Louis	61.7	▲ 10.5	▲ 1.8	▲ 11.1
Washington DC	72.0	▲ 9.0	▲ 9.2	▲ 11.0
Chicago	65.4	▲ 2.3	▲ 9.9	▲ 10.9
Atlanta	67.4	▲ 7.7	▲ 3.9	▲ 10.7
San Diego	70.6	▲ 5.1	▲ 8.4	▲ 10.7
Dallas	71.8	▲ 10.2	▲ 10.2	▲ 10.6
San Jose	71.8	▲ 3.7	▲ 2.0	▲ 8.8
Minneapolis	64.5	▲ 2.7	▲ 5.2	▲ 8.5
Phoenix	69.5	▲ 5.7	▲ 9.1	▲ 7.8
San Francisco	69.4	▲ 9.3	▲ 5.7	▲ 7.7
New York	68.0	▲ 10.3	▲ 8.9	▲ 7.5
Miami	69.4	▲ 6.1	▲ 4.4	▲ 6.1
Boston	66.7	▲ 5.9	▲ 8.5	▲ 6.1
Tampa	66.4	▲ 10.0	▲ 3.5	▲ 5.3

Indicator (Sub-Index) Levels — Homeownership Aspirations

REGIONS	Index	2 Yr	3 Yr	4 Yr
United States	58.3	n.a.	n.a.	n.a.
Midwest	56.9	n.a.	n.a.	n.a.
Northeast	56.2	n.a.	n.a.	n.a.
South	58.5	n.a.	n.a.	n.a.
West	60.4	n.a.	n.a.	n.a.
Metro Areas				
Composite 25	59.7	n.a.	n.a.	n.a.
Composite 20	59.5	▼ -0.2	▼ -0.8	▲ 0.2
Columbus	55.8	n.a.	n.a.	n.a.
Houston	63.8	n.a.	n.a.	n.a.
Indianapolis	55.4	n.a.	n.a.	n.a.
Orlando	61.4	n.a.	n.a.	n.a.
San Antonio	62.1	n.a.	n.a.	n.a.
San Francisco	61.0	▲ 4.8	▲ 6.9	▲ 9.9
Los Angeles	61.3	▲ 2.8	▲ 1.0	▲ 6.5
Detroit	61.8	▼ -4.6	▲ 3.8	▲ 6.0
Washington DC	61.9	▲ 1.6	▼ -0.6	▲ 4.9
Tampa	61.7	▼ -0.4	▼ -1.5	▲ 3.5
Minneapolis	56.3	▲ 1.2	▲ 2.0	▲ 2.5
Dallas	64.6	▲ 0.7	▲ 5.6	▲ 1.6
San Diego	60.9	▲ 4.1	▲ 3.0	▲ 0.5
Chicago	58.3	▼ -8.2	▼ -0.2	▼ -0.7
Boston	57.6	▼ -4.3	▲ 4.3	▼ -0.8
Phoenix	59.5	▼ -5.7	▼ -2.0	▼ -1.6
Denver	61.2	▼ -2.7	▼ -1.7	▼ -1.8
Seattle	53.5	▼ -6.5	▼ -4.8	▼ -1.9
San Jose	59.7	▼ -3.6	▲ 0.2	▼ -2.7
Philadelphia	55.3	▲ 4.0	▼ -5.9	▼ -2.7
Atlanta	60.6	▲ 1.9	▼ -10.5	▼ -3.3
New York	58.2	▲ 1.6	▼ -2.7	▼ -3.4
Las Vegas	59.3	▼ -5.4	▼ -4.9	▼ -4.1
St. Louis	55.5	▲ 4.4	▼ -5.5	▼ -4.1
Miami	60.2	▼ -4.8	▼ -4.0	▼ -7.2

● The Composite 20 index excludes Columbus, Houston, Indianpolis, Orlando, and San Antonio.

● The complete HCI methodology, including details concerning index factors & components, composite index constituents and weights, is available here: https://pulsenomics.com/Housing_Confidence_Index.html

● The Chase Home Lending Housing Confidence Index™ (HCI) is calculated by Pulsenomics LLC using data collected from The U.S. Housing Confidence Survey™ (HCS). HCS is managed by Pulsenomics. A minimum of 500 household heads residing within each of the 25 metropolitan areas complete the HCS questionnaire every time the survey is fielded. To calculate each edition of HCI, Pulsenomics compiles more than 700,000 HCS response data points that are collected from 15,500 completed questionnaires (500 from each of 25 individual metropolitan statistical areas, plus 3,000 from a national sample). Detailed information concerning HCS and HCI can be found at www.pulsenomics.com (https://pulsenomics.com/Housing_Confidence_Survey.html). Pulsenomics®, Housing Confidence Survey™, Housing Confidence Index™, Housing Market Conditions Index™, Housing Expectations Index™, and Homeownership Aspirations Index™ are trademarks of Pulsenomics LLC.