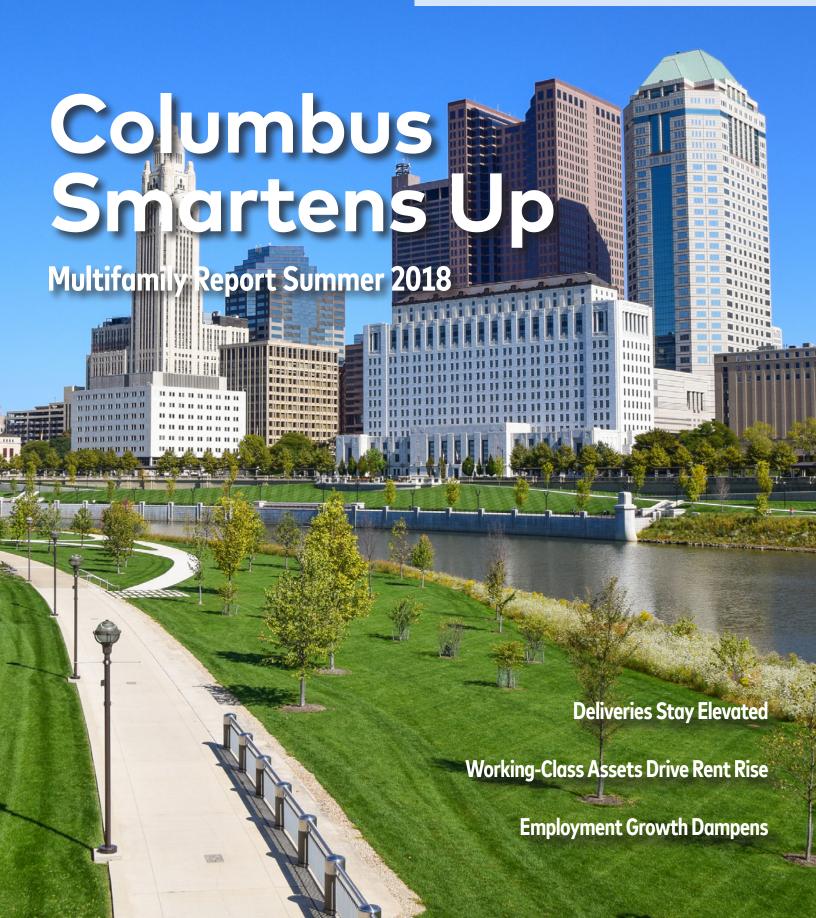
Yardi[®] Matrix



Market Analysis Summer 2018

Contacts

Paul Fiorilla

Associate Director of Research Paul.Fiorilla@Yardi.com (800) 866-1124 x5764

Jack Kern

Director of Research and Publications Jack.Kern@Yardi.com (800) 866-1124 x2444

Author

Alex Girda

Senior Editor

Columbus Grows at Its Own Pace

Columbus is one of the fastest-growing large cities in the U.S. and its multifamily market shows it. Rents in Columbus were up 4.2% year-over-year as of June, well above the national rate and by far the fastest-growing major Midwestern metro. With the area boasting a low unemployment rate, as well as a rapidly growing population, housing demand has picked up considerably, leading to a second wind for development activity in the multifamily sector.

With all but one employment sector adding jobs over the 12 months ending in April, Columbus continues to strengthen its economic profile. Trade, transportation and utilities led improvement through that interval, adding 4,600 jobs. The city is improving and expanding its transit network even further by adding a new Bus Rapid Transit line, as well as using Department of Transportation funding to add electric buses, pushing its "smart city" bid.

Improvement has led to high demand levels, keeping development elevated in the process. With 1,600 units delivered through the year's midpoint and 7,300 units underway, completions are lined up to have another solid year. With developers focusing on the more cost-effective high-end segment, working-class assets will carry the bulk of the load for rent growth. As a result, we expect 4.3% rent improvement in 2018.

Recent Columbus Transactions

The Quarry



City: Columbus, Ohio Buyer: The Solomon Org. Purchase Price: \$121 MM Price per Unit: \$180,000

Runaway Bay



City: Columbus, Ohio Buyer: Oro Capital Advisors Purchase Price: \$60 MM Price per Unit: \$138,297

Worthington Meadows



City: Worthington, Ohio Buyer: PIRHL Purchase Price: \$58 MM Price per Unit: \$109,859

Creekside at Taylor Square

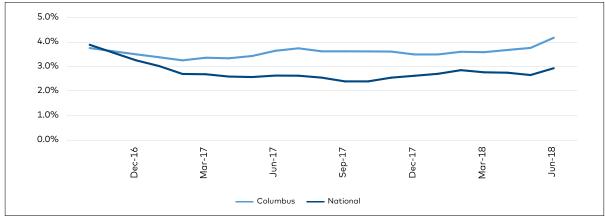


City: Reynoldsburg, Ohio Buyer: Monarch Investment and Management Group Purchase Price: \$55 MM Price per Unit: \$103,378

Rent Trends

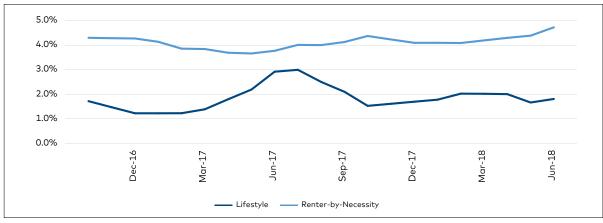
- Columbus rents were up 4.2% year-over-year in June, 130 basis points higher than the national appreciation rate. Continued above-trend improvement over the past 18 months has led to an overall average rent of \$949, up \$100 compared to the 2015 value.
- Continued job growth in the metro has aggravated the need for workforce-level housing. With demand for working-class Renter-by-Necessity units at high levels, rents in the segment were up 4.7% as of June, to an average of \$865. Meanwhile, rents in Lifestyle communities improved at a more tepid rate, as the bulk of new multifamily stock is in upscale properties. As a result, Lifestyle rents were up just 1.8% year-over-year, to an average of \$1,292.
- Rents rose the fastest in submarkets where the bulk of inventory consists of workforce-level housing: The Far South (8.3% year-over-year), Clintonville (7.3%), Northeast Columbus (7.0%), Greater Hilltop (6.9%) and Obetz (6.5%).
- With sustained economic improvement pushing Columbus closer to full employment, we expect rent growth to continue at a good rate. Yardi Matrix forecasts 4.3% growth for the year.

Columbus vs. National Rent Growth (Sequential 3 Month, Year-Over-Year)



Source: YardiMatrix

Columbus Rent Growth by Asset Class (Sequential 3 Month, Year-Over-Year)

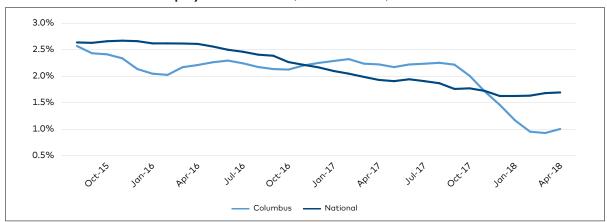


Source: YardiMatrix

Economic Snapshot

- Columbus added 15,100 jobs in the 12 months ending in April, up 1.0% year-over-year. Employment expansion has slowed down through the first third of the year, but growth has continued in all sectors except information, which contracted by 200 jobs. With the metro's unemployment rate at 3.4%, Columbus is vastly outperforming the state and other major Ohio metros, slowly nearing full employment.
- Trade, transportation and utilities led all sectors, gaining 4,600 positions. A recent federal grant fund totaling \$37.5 million was awarded to the Central Ohio Transit Authority for the creation of a new Bus Rapid Transit line in Columbus. With the city growing at a strong rate, the local administration is attempting to address congestion issues by expanding its transit network. Looking ahead, the city aims to enhance its Smart City status, boosted by a \$40 million grant from the Department of Transportation.
- Columbus had an office pipeline of 1.2 million square feet of space underway as of July, nearly three quarters taking shape in the metro's urban quadrants. The largest asset under construction is The Daimler Group's 80 on the Commons, a 390,000-square-foot downtown property that topped out last year and is slated for a November 2018 completion.

Columbus vs. National Employment Growth (Year-Over-Year)



Sources: YardiMatrix, Bureau of Labor Statistics (not seasonally adjusted)

Columbus Employment Growth by Sector (Year-Over-Year)

		Current Employment		Year Change	
Code	Employment Sector	(000)	% Share	Employment	%
40	Trade, Transportation and Utilities	209	19.1%	4,600	2.3%
90	Government	179	16.3%	1,800	1.0%
60	Professional and Business Services	179	16.3%	1,700	1.0%
65	Education and Health Services	163	14.9%	1,700	1.1%
80	Other Services	42	3.8%	1,600	3.9%
30	Manufacturing	73	6.7%	1,500	2.1%
55	Financial Activities	86	7.9%	1,400	1.7%
70	Leisure and Hospitality	106	9.7%	500	0.5%
15	Mining, Logging and Construction	40	3.7%	500	1.3%
50	Information	17	1.6%	-200	-1.2%

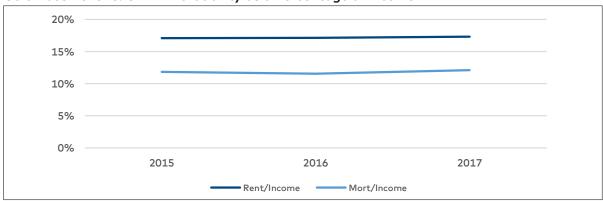
Sources: YardiMatrix, Bureau of Labor Statistics

Demographics

Affordability

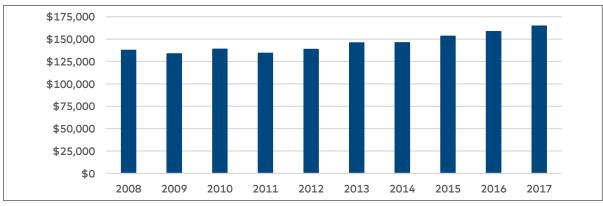
- Home prices have gained significant traction throughout the cycle, with the average reaching \$164,693 in 2017, a new cycle peak. That's more than \$30,000 higher than the expansion's 2009 low point. Although the median home price has risen rapidly, the effects of Columbus' steady economic development are offsetting the climbing costs.
- Rents improved at a high rate during the past 24 months, outperforming the nation through the better part of the interval. As a result, renting remains significantly less affordable than owning. The average rent accounts for 17% of incomes, while the average mortgage equates to only 11%.

Columbus Rent vs. Own Affordability as a Percentage of Income



Sources: YardiMatrix, Moody's Analytics

Columbus Median Home Price



Source: Moody's Analytics

Population

- Columbus added 107,000 residents between 2013 and 2017, being one of the fastestgrowing Midwestern metros through the interval.
- The metro's population rose by 32,000 people in 2017 for a 1.6% expansion.

Columbus vs. National Population

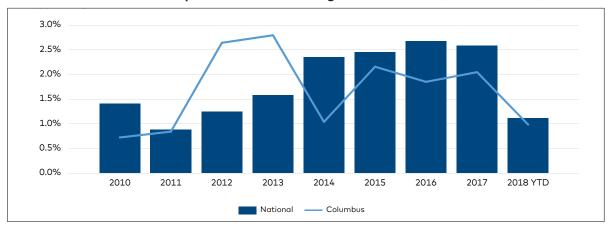
	2013	2014	2015	2016	2017
National	316,234,505	318,622,525	321,039,839	323,405,935	325,719,178
Columbus Metro	1,971,120	1,998,460	2,023,198	2,046,977	2,078,725

Sources: U.S. Census, Moody's Analytics

Supply

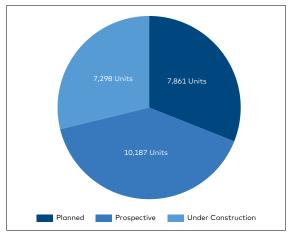
- Roughly 1,600 units were added through the year's first half in Columbus, 1.0% of total stock. The rate of development is largely on par with the larger trend of the cycle's second half, when an average of 3,200 units were added each year.
- The metro's multifamily pipeline is robust, as 7,300 units are underway, while another 18,000 are in the planning and permitting stages. The occupancy rate in stabilized properties continued its slide to 95.5% in May, down 80 basis points year-over-year. With deliveries coming in at an elevated rate for the past four years, occupancy has consistently decreased, although the average rate is still very strong compared to historic levels. With most of the metro's inventory consisting of Renter-by-Necessity properties, and incoming inventory directed at the upscale segment, rent growth is occurring across asset classes.
- With developer interest continuing to focus on the market's core, downtown Columbus had the largest pipeline as of June (1,291 units under construction). Development also remained high in Hillard (1,041 units), University (715), Westerville (670) and Dublin (575).

Columbus vs. National Completions as a Percentage of Total Stock (as of June 2018)



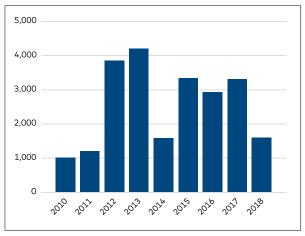
Source: YardiMatrix

Development Pipeline (as of June 2018)



Source: YardiMatrix

Columbus Completions (as of June 2018)

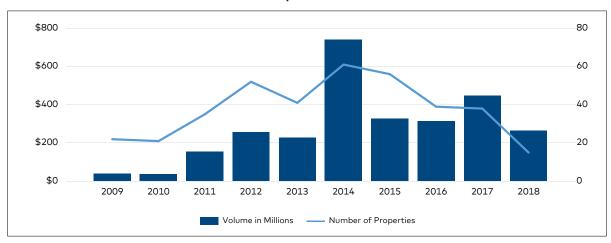


Source: YardiMatrix

Transactions

- Although hitting their high point in 2014, investment sales volumes witnessed a resurgence over the past 18 months, with roughly \$700 million in confirmed transaction prices through that interval. Investors acquired 15 multifamily assets during this year's first six months, 13 in the value-add Renterby-Necessity segment.
- Columbus acquisition yields are compressing, with Class B value-add opportunities claiming as much as 7.5% through 2017 and likely compressing further this year. Per-unit prices have soared over the past two quarters, leading the average to \$128,913, roughly \$50,000 higher than the 2017 figure.
- The bulk of transaction activity was completed in submarkets located around Interstate 270, in more fringe areas of the metro: Franklinton (\$182 million), Worthington (\$58 million), Reynoldsburg (\$55 million), Northwest Columbus (\$52 million) and Canal Winchester (\$46 million).

Columbus Sales Volume and Number of Properties Sold (as of June 2018)



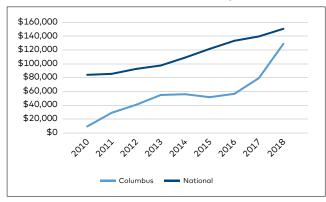
Source: YardiMatrix

Top Submarkets for Transaction Volume¹

Submarket	Volume (\$MM)
Franklinton	182
Worthington	58
Reynoldsburg	55
Northwest Columbus	52
Canal Winchester	46
Gahanna	37
Obetz	30
Grove City	21

Source: YardiMatrix

Columbus vs. National Sales Price per Unit



Source: YardiMatrix

¹ From July 2017 to June 2018

News in The Metro

Brought to you by:





Class C Community Claims Investor's Attention

The buyer took out a 10-year Freddie Mac acquisition mortgage to finance the transfer. Pinnacle Financial originated the loan.



OH Community Lands Refi

Trilogy Real Estate refinanced the 292-unit Class B asset with a \$28.2 million Fannie Mae loan originated by CBRE Capital Markets.



AMG Realty Offloads Ohio Community

A private investor acquired the 66-unit asset in Columbus' North Linden submarket for \$2.1 million. This marks the community's second ownership transfer this year.



JLL Hires Midwest Multifamily Services Expert

Matt McCune is an investment sales professional with more than 10 years of experience. In his new role as senior vice president, he will advise on multifamily asset sales around central Ohio.



NHI Acquires Ohio Senior Housing Portfolio for \$70M

Totaling 320 units, the communities will be leased to an affiliate of Bickford Senior Livina at an initial rate of 6.9 percent with annual fixed escalators and a 15-year maturity.



Waypoint Residential Nabs 4 Midwestern **Properties**

The company's acquisitions include three market-rate communities in Chicago and Columbus, Ohio, and a student housing asset near the University of Kansas in Lawrence, Kan.

Log on to Multi-HousingNews.com to get the latest metro-specific news.

Top 10 Columbus Multifamily Transactions

Yardi[®] Matrix

By Razvan Cimpean

With an expanding economy and relatively affordable housing, Columbus has seen increased multifamily demand of late. This year—when roughly 1,600 apartments came online in the first two quarters—is on track to have the highest number of units completed since 2013, according to Yardi Matrix data.

Ten properties totaling a little more than 2,100 units changed hands for a combined \$266.2 million. This represents an uptick of nearly 80 percent from the same period of 2017.

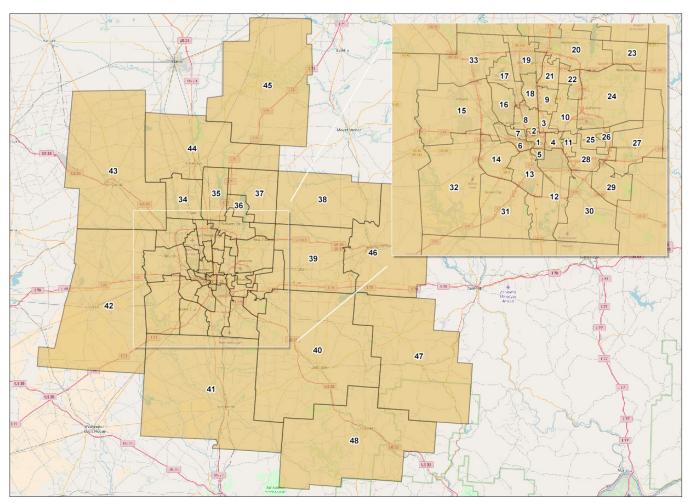
Property Name	Sale Date	Seller	Buyer	Unit Count	Total Sale Price (MM)
The Quarry	04/04/2018	Connolly Construction	The Solomon Org.	674	\$121.32
Runaway Bay	01/03/2018	JRK Property Holdings	Oro Capital Advisors	436	\$60.30
The Chelsea	02/22/2018	The Wolff Co.	Independence Realty Trust	312	\$36.80
Scioto Ridge	03/08/2018	Casto	Columbus Metropolitan Housing Authority	152	\$19.84
Shaker Square	02/20/2018	Everest Properties	29th Street Capital	194	\$11.61
Sawbury Commons at Primas Properties	04/03/2018	Primas Properties	Snyder Barker Investments	92	\$8.12
Arlington Heights	06/07/2018	Individual Investor	Pacific Redwood Investments	60	\$3.12
Cambridge	06/20/2018	AMG Realty Group	Individual Investor	66	\$2.09
Tamarack Arms	07/16/2018	Individual Investor	Individual Investor	54	\$1.71
Cambridge	01/16/2018	Individual Investor	AMG Realty Group	66	\$1.33

The Quarry

The Solomon Org.'s acquisition of the 674-unit The Quarry from Connolly Construction tops our list. The New Jersey-based company paid an estimated \$121.3 million for the 37-building property at 2550 Quarry Lake Drive in the submarket of Franklinton. The asset provides studios and one- to three-bedroom apartments with an average of 972 square feet. Community amenities include two swimming pools, a volleyball court, a spa, a clubhouse, a business center and a fitness center. The asset is situated in the proximity of Shrum Mound and Quarry Plaza.



Columbus Submarkets



Area #	Submarket
1	Columbus-Downtown
2	Victorian Village
3	South Linden
4	Near East
5	Columbus-Southside
6	Franklinton
7	Grandview Heights
8	University
9	North Linden
10	Northeast Columbus
11	Bexley
12	Far South
13	Southwest
14	Greater Hilltop
15	Hillard
16	Upper Arlington

Area #	Submarket
17	Northwest Columbus
18	Clintonville
19	Worthington
20	Westerville
21	Northland
22	Minerva Park
23	New Albany
24	Gahanna
25	Whitehall
26	Blacklick
27	Reynoldsburg
28	Obetz
29	Canal Winchester
30	Groveport
31	Grove City
32	Westland

Submarket
Dublin
Powell
Lewis Center
Galena
Sunbury
Johnstown
Pataskala
Fairfield
Pickaway
Madison
Union
Delaware
Morrow
Newark
Perry
Hocking

Definitions

Lifestyle households (renters by choice) have wealth sufficient to own but have chosen to rent. Discretionary households, most typically a retired couple or single professional, have chosen the flexibility associated with renting over the obligations of ownership.

Renter-by-Necessity households span a range. In descending order, household types can be:

- A young-professional, double-income-no-kids household with substantial income but without wealth needed to acquire a home or condominium;
- Students, who also may span a range of income capability, extending from affluent to barely getting by;
- Lower-middle-income ("gray-collar") households, composed of office workers, policemen, firemen, technical workers, teachers, etc.;
- Blue-collar households, which may barely meet rent demands each month and likely pay a disproportionate share of their income toward rent;
- Subsidized households, which pay a percentage of household income in rent, with the balance of rent paid through a governmental agency subsidy. Subsidized households, while typically low income, may extend to middle-income households in some high-cost markets, such as New York City;
- Military households, subject to frequency of relocation.

These differences can weigh heavily in determining a property's ability to attract specific renter market segments. The five-star resort serves a very different market than the down-and-outer motel. Apartments are distinguished similarly, but distinctions are often not clearly definitive without investigation. The Yardi® Matrix Context rating eliminates that requirement, designating property market positions as:

Market Position	Improvements Ratings
Discretionary	A+ / A
High Mid-Range	A- / B+
Low Mid-Range	B / B-
Workforce	C+/C/C-/D

The value in application of the Yardi® Matrix Context rating is that standardized data provides consistency; information is more meaningful because there is less uncertainty. The user can move faster and more efficiently, with more accurate end results.

The Yardi® Matrix Context rating is not intended as a final word concerning a property's status—either improvements or location. Rather, the result provides reasonable consistency for comparing one property with another through reference to a consistently applied standard.

To learn more about Yardi® Matrix and subscribing, please visit www.yardimatrix.com or call Ron Brock, Jr., at 480-663-1149 x2404.

Fogelman drives deals with Yardi® Matrix



DISCLAIMER

Although every effort is made to ensure the accuracy, timeliness and completeness of the information provided in this publication, the information is provided "AS IS" and Yardi Matrix does not guarantee, warrant, represent or undertake that the information provided is correct, accurate, current or complete. Yardi Matrix is not liable for any loss, claim, or demand arising directly or indirectly from any use or reliance upon the information contained herein.

COPYRIGHT NOTICE

This document, publication and/or presentation (collectively, "document") is protected by copyright, trademark and other intellectual property laws. Use of this document is subject to the terms and conditions of Yardi Systems, Inc. dba Yardi Matrix's Terms of Use (http://www.yardimatrix.com/Terms) or other agreement including, but not limited to, restrictions on its use, copying, disclosure, distribution and decompilation. No part of this document may be disclosed or reproduced in any form by any means without the prior written authorization of Yardi Systems, Inc. This document may contain proprietary information about software and service processes, algorithms, and data models which is confidential and constitutes trade secrets. This document is intended for utilization solely in connection with Yardi Matrix publications and for no other purpose.

Yardi®, Yardi Systems, Inc., the Yardi Logo, Yardi Matrix, and the names of Yardi products and services are trademarks or registered trademarks of Yardi Systems, Inc. in the United States and may be protected as trademarks in other countries. All other product, service, or company names mentioned in this document are claimed as trademarks and trade names by their respective companies.

© 2018 Yardi Systems, Inc. All Rights Reserved.