INDEPENDENCE REALTY TRUST, INC

Form SC 13G/A February 16, 2016

SECURITIES

AND

EXCHANGE

COMMISSION

Washington,

D.C. 20549

SCHEDULE

13G/A

Under the

Securities

Exchange Act of

1934

(Amendment

No. 2)*

Independence

Realty Trust,

Inc.

(Name of

Issuer)

Common Stock,

\$0.01 par value

(Title of Class

of Securities)

45378A106

(CUSIP

Number)

December 31,

2015

(Date of Event

Which Requires

Filing of This

Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is

C* 1	1	
T11	$\Delta \alpha$	

" Rule 13d-1(b)

x Rule 13d-1(c)

" Rule 13d-1(d)

(Page 1 of 15 Pages)

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

^{*}The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

CUSIP No. 45378A106 13G/A Page 2 of 15 Pages

1	NAME OF REPORTING PERSON		
	Ardsley Partners Fund II, L.P. CHECK THE		
2	APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION		
3			
4			
	Delaw	are SOLE VOTING	
	5	POWER	
NUMBER OF SHARES BENEFICIALLY OWNED BY	6	0 SHARED VOTING POWER 133,800	
EACH REPORTING PERSON WITH:	7	SOLE DISPOSITIVE POWER	
	8	0 SHARED DISPOSITIVE POWER	
9	AMO BENE OWN	EFICIALLY ED BY EACH PRTING	
	133,80	00	

CHECK BOX

IF THE

AGGREGATE AMOUNT IN ...

10 AMOUN ROW (9)

EXCLUDES CERTAIN SHARES PERCENT OF

CLASS

REPRESENTED BY AMOUNT IN ROW

(9)

0.3% TYPE OF REPORTING PERSON

11

12

PN

CUSIP No. 45378A106 13G/APage 3 of 15 Pages

1	NAME OF REPORTING PERSON	
1	Ardsley Partners Institutional Fund, L.P.	
	CHECK THE APPROPRIATE	
2	BOX IF A MEMBER (b) " OF A CROUP	
3	GROUP SEC USE ONLY CITIZENSHIP OR PLACE OF	
4	ORGANIZATION	
	Delaware SOLE VOTING 5 POWER	
NUMBER OF SHARES	0 SHARED VOTING 6 POWER	
BENEFICIALLY OWNED BY EACH REPORTING	116,200 SOLE DISPOSITIVE 7 POWER	
PERSON WITH:	0 SHARED DISPOSITIVE 8 POWER	
9	116,200 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	

116,200

CHECK BOX

IF THE

AGGREGATE

AMOUNT IN ..

ROW (9)

EXCLUDES

CERTAIN

SHARES

PERCENT OF

CLASS

REPRESENTED BY

11 AMOUNT IN ROW

(9)

0.2%

TYPE OF

REPORTING

12 PERSON

10

PN

CUSIP No. 45378A106 13G/APage 4 of 15 Pages

1	NAME OF REPORTING PERSON		
1	Ardsley Partners Advanced Healthcare Fund, L.P. CHECK THE		
2	APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION		
3			
4			
	Delaw	SOLE	
	5	VOTING POWER	
NUMBER OF SHARES	6	0 SHARED VOTING POWER	
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	7	391,769 SOLE DISPOSITIVE POWER	
	8	0 SHARED DISPOSITIVE POWER	
9	AMO BENE OWN	FICIALLY ED BY EACH RTING	

391,769

CHECK BOX

IF THE

AGGREGATE

AMOUNT IN ..

ROW (9)

EXCLUDES CERTAIN

SHARES

PERCENT OF

CLASS

REPRESENTED BY

11 AMOUNT IN ROW

(9)

0.8%

TYPE OF

REPORTING

12 PERSON

10

PN

CUSIP No. 45378A106 13G/APage 5 of 15 Pages

	NAME OF
	REPORTING
	PERSON
1	
-	Ardsley Partners US
	Equity UCITS Fund
	ple
	CHECK
	THE
	APPROPRI ATE
2	BOX IF A
2	MEMBER (b) "
	OF A
	GROUP
3	SEC USE ONLY
3	
	CITIZENSHIP OR
4	PLACE OF ORGANIZATION
4	ORGANIZATION
	Danublic of Indone
	Republic of Ireland
	SOLE
	VOTING 5 POWER
	5 POWER
	0 SHADED
	SHARED
NUMBER OF	VOTING
SHARES	6 POWER
BENEFICIALLY	
OWNED BY	0
EACH	SOLE
REPORTING	DISPOSITIVE
PERSON WITH:	7 POWER
	0
	SHARED
	DISPOSITIVE
	8 POWER
	0
0	0
9	AMOUNT
	AMOUNT DENIETICIALLY
	BENEFICIALLY OWNED BY EACH
	OWNED BY EACH
	REPORTING
	PERSON

0

CHECK BOX

IF THE

AGGREGATE

AMOUNT IN ..

ROW (9)

EXCLUDES

CERTAIN SHARES

PERCENT OF

CLASS

REPRESENTED BY

11 AMOUNT IN ROW

(9)

0%

TYPE OF

REPORTING

12 PERSON

00

CUSIP No. 45378A106 13G/APage 6 of 15 Pages

1	NAME OF REPORTING PERSON		
	Ardsley Advisory Partners CHECK THE APPROPRIATE		
2	BOX IF A MEMBER (b) " OF A GROUP SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION		
3			
4			
	New 5	York SOLE VOTING POWER	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	6 7 8	0 SHARED VOTING POWER 641,769 SOLE DISPOSITIVE POWER 0 SHARED DISPOSITIVE POWER	
9	AMC BEN OWN		

CHECK BOX

IF THE

AGGREGATE AMOUNT IN ...

10 AMOUN ROW (9)

EXCLUDES CERTAIN SHARES PERCENT OF

CLASS

REPRESENTED BY AMOUNT IN ROW

(9)

1.4% TYPE OF

REPORTING

12 PERSON

11

PN; IA

CUSIP No. 45378A106 13G/APage 7 of 15 Pages

1	NAME OF REPORTING PERSON		
2	Ardsley Partners I CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A		
3	GROUP SEC USE ONLY CITIZENSHIP OR		
4	PLACE OF ORGANIZATION		
	New '	York SOLE	
	5	VOTING POWER	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH	6	0 SHARED VOTING POWER 641,769 SOLE	
REPORTING PERSON WITH:	7	DISPOSITIVE POWER	
	8	0 SHARED DISPOSITIVE POWER	
9	641,769 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10	641,70	69	

CHECK BOX

IF THE

AGGREGATE

AMOUNT IN

ROW (9)

EXCLUDES

CERTAIN

SHARES

PERCENT OF

CLASS

REPRESENTED BY

11 AMOUNT IN ROW

(9)

1.4%

TYPE OF

REPORTING

12 PERSON

PN

CUSIP No. 45378A106 13G/APage 8 of 15 Pages

1	NAMI REPO PERS	RTING
2	Philip J. Hempleman CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP SEC USE ONLY CITIZENSHIP OR PLACE OF	
3		
4	ORGANIZATION	
	United	l States SOLE VOTING
	5	POWER
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	6	0 SHARED VOTING POWER 641,769 SOLE DISPOSITIVE POWER
	8	0 SHARED DISPOSITIVE POWER 641,769
9	AMO BENE OWN	REGATE UNT EFICIALLY ED BY EACH PRTING
10	641,76	

CHECK BOX

IF THE

AGGREGATE

AMOUNT IN

ROW (9)

EXCLUDES

CERTAIN

SHARES

PERCENT OF

CLASS

REPRESENTED BY

11 AMOUNT IN ROW

(9)

1.4%

TYPE OF

REPORTING

12 PERSON

IN

CUSIP No. 45378A106 13G/A Page 9 of 15 Pages

Item 1(a). NAME OF ISSUER

The name of the issuer is Independence Realty Trust, Inc. (the "Company").

Item 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES

The Company's principal executive offices are located at Cira Centre, 2929 Arch St., 17th Floor, Philadelphia, PA 19104.

Item 2(a). NAME OF PERSON FILING

This statement is filed by:

- (i) Ardsley Partners Fund II, L.P., a Delaware limited partnership ("<u>AP II</u>"), with respect to the Shares (as defined in Item 2(d) below) directly owned by it;
- (ii) Ardsley Partners Institutional Fund, L.P., a Delaware limited partnership ("Ardsley Institutional"), with respect to the Shares directly owned by it;
- (iii) Ardsley Partners Advanced Healthcare Fund, L.P., a Delaware limited partnership ("<u>Ardsley Advanced</u>"), with respect to the Shares directly owned by it;
- (iv) Ardsley Partners US Equity UCITS Fund plc, an Irish UCITS plc ("Ardsley US Equity"), with respect to the Shares directly owned by it;
- Ardsley Advisory Partners, a New York general partnership ("<u>Ardsley</u>") which serves as Investment
 Adviser of AP II, Ardsley Institutional and Ardsley Advanced and as Sub-Advisor of Ardsley US Equity,
 with respect to the Shares directly owned by AP II, Ardsley Institutional, Ardsley Advanced and Ardsley
 US Equity;
- Ardsley Partners I, a New York general partnership ("<u>Ardsley Partners</u>") which serves as General Partner (vi) of AP II and Ardsley Institutional, with respect to the Shares owned by AP II and Ardsley Institutional; and
- Philip J. Hempleman ("Mr. Hempleman"), the Managing Partner of Ardsley and Ardsley Partners, with respect to the Shares owned by AP II, Ardsley Institutional, Ardsley Advanced and Ardsley US Equity.

The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons." Any disclosures herein with respect to persons other than the Reporting Persons are made on information and belief after making inquiry to the appropriate party. The filing of this statement should not be construed as an admission that any of the Reporting Persons is, for the purposes of Section 13(d) of the Act, the beneficial owner of the Shares reported herein.

CUSIP No. 45378A106 13G/A Page 10 of 15 Pages

Item 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE

The address of the business office of each of the Reporting Persons is 262 Harbor Drive, Stamford, Connecticut 06902.

Item 2(c). CITIZENSHIP

AP II, Ardsley Institutional and Ardsley Advanced are Delaware limited partnerships. Ardsley US Equity is an Irish UCITS plc. Ardsley and Ardsley Partners are New York general partnerships. Mr. Hempleman is a United States citizen.

Item 2(d). TITLE OF CLASS OF SECURITIES

Common stock, \$0.01 par value (the "Shares")

Item 2(e). CUSIP NUMBER

45378A106

Item IF THIS STATEMENT IS FILED PURSUANT TO Rules 13d-1(b), OR 13d-2(b) OR (c), CHECK 3. WHETHER THE PERSON FILING IS A:

- (a) "Broker or dealer registered under Section 15 of the Act;
- (b) Bank as defined in Section 3(a)(6) of the Act;
- (c) "Insurance company as defined in Section 3(a)(19) of the Act;
- (d)"Investment company registered under Section 8 of the Investment Company Act of 1940;
- (e) "An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);

An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);

(f) "

- (g)" A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G); A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (h)"

A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the (i) ...Investment Company Act;

- (j) "A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J);
- (k) "Group, in accordance with Rule 13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J), please specify the type of institution:

CUSIP No. 45378A106 13G/A Page 11 of 15 Pages

Item OWNERSHIP

The information required by Items 4(a) - (c) is set forth in Rows 5-11 of the cover page for each Reporting Person hereto and is incorporated herein by reference for each Reporting Person.

The percentages used in this Schedule 13G/A are calculated based upon 47,070,678 Shares reported to be outstanding as of November 6, 2015 in the Company's Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2015, filed with the Securities and Exchange Commission on November 9, 2015. The percentages used herein and in the rest of the Schedule 13G/A are based upon such number of Shares outstanding.

1tem 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS

If this statement is being filed to report the fact that as of the date hereof the Reporting Person has ceased to be the beneficial owner of more than 5 percent of the class of securities, check the following ý

Item 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON

Not applicable.

Item 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY OR CONTROL PERSON

Not applicable.

Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

Not applicable.

Item 9. NOTICE OF DISSOLUTION OF GROUP

Not applicable.

Item 10. CERTIFICATION

Each of the Reporting Persons hereby makes the following certification:

By signing below each Reporting Person certifies that, to the best of his or its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

CUSIP No. 45378A106 13G/A Page 12 of 15 Pages

SIGNATURES

After reasonable inquiry and to the best of his or its knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

DATE: February 16, 2016

ARDSLEY PARTNERS FUND II, L.P. BY: ARDSLEY PARTNERS I, GENERAL PARTNER

BY:/s/ Steve Napoli Steve Napoli General Partner

ARDSLEY PARTNERS INSTITUTIONAL FUND, L.P. BY: ARDSLEY PARTNERS I, GENERAL PARTNER

BY:/s/ Steve Napoli Steve Napoli General Partner

ARDSLEY PARTNERS ADVANCED HEALTHCARE FUND, L.P.

BY: PHILIP J. HEMPLEMAN

GENERAL PARTNER

BY:/s/ Steve Napoli Steve Napoli As attorney in fact for Philip J. Hempleman

ARDSLEY PARTNERS US EQUITY UCITS FUND

BY: ARDSLEY

ADVISORY PARTNERS,

SUB-ADVISOR

BY:/s/ Steve Napoli Steve Napoli Partner

ARDSLEY ADVISORY PARTNERS

BY:/s/ Steve Napoli Steve Napoli Partner

CUSIP No. 45378A106 13G/A Page 13 of 15 Pages

ARDSLEY PARTNERS I

BY:/s/ Steve Napoli Steve Napoli General Partner

PHILIP J. HEMPLEMAN, INDIVIDUALLY

BY:/s/ Steve Napoli Steve Napoli As attorney in fact for Philip J. Hempleman

* Evidence of Power of Attorney was filed with the Schedule 13G/A filed on February 15, 2006 (Acc-no: 0000902664-06-000895) and is incorporated by reference into this filing.

CUSIP No. 45378A106 13G/A Page 14 of 15 Pages

EXHIBIT 1

JOINT FILING AGREEMENT PURSUANT TO RULE 13d-1(k)

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G/A is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G/A shall be filed on behalf of each of the undersigned without the necessity of filing additional joint filing agreements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him or it contained herein and therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent that he or it knows or has reason to believe that such information is inaccurate.

DATE: February 16, 2016

ARDSLEY PARTNERS FUND II, L.P. BY: ARDSLEY PARTNERS I, GENERAL PARTNER

BY:/s/ Steve Napoli Steve Napoli General Partner

ARDSLEY PARTNERS INSTITUTIONAL FUND, L.P. BY: ARDSLEY PARTNERS I, GENERAL PARTNER

BY:/s/ Steve Napoli Steve Napoli General Partner

ARDSLEY PARTNERS ADVANCED HEALTHCARE FUND, L.P.

BY: PHILIP J. HEMPLEMAN

GENERAL PARTNER

BY:/s/ Steve Napoli Steve Napoli As attorney in fact for Philip J. Hempleman

ARDSLEY PARTNERS US EQUITY UCITS FUND BY: ARDSLEY ADVISORY PARTNERS, SUB-ADVISOR

BY:/s/ Steve Napoli Steve Napoli Partner

CUSIP No. 45378A106 13G/A Page 15 of 15 Pages

ARDSLEY ADVISORY PARTNERS

BY:/s/ Steve Napoli Steve Napoli Partner

ARDSLEY PARTNERS I

BY:/s/ Steve Napoli Steve Napoli General Partner

PHILIP J. HEMPLEMAN, INDIVIDUALLY

BY:/s/ Steve Napoli Steve Napoli As attorney in fact for Philip J. Hempleman

* Evidence of Power of Attorney was filed with the Schedule 13G/A filed on February 15, 2006 (Acc-no: 0000902664-06-000895) and is incorporated by reference into this filing.