ATHENAHEALTH INC Form SC 13G/A February 03, 2017

SCHEDULE 13G

(Rule 13d-102)

Information to be Included in Statements Filed Pursuant to Rule 13d-1(b), (c) and (d) and Amendments Thereto Filed Pursuant to Rule 13d-2.

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

Under the Securities Exchange Act of 1934 (Amendment No. 11)*

athenahealth, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

04685W103

(CUSIP Number)

12/31/2016

(Date of Event Which Requires Filing of this Statement)

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

[X] Rule 13d-1(b)

[_] Rule 13d-1(c)

[_] Rule 13d-1(d)

* 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.

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).

CUSIP No. 04685W103

13G

1 NAME OF REPORTING PERSON Artisan Partners Limited Partnership

2	(see Instru		OPRIATE BOX IF A MEMBER OF A GROUP		[_] [_]
	Not Applic	abl	9	(- ,	
3	SEC USE ONL	 Ү			
4	CITIZENSHIP Delaware	OR	PLACE OF ORGANIZATION		
	MBER OF SHARES	5	SOLE VOTING POWER None		
BENEFICIALLY OWNED BY EACH REPORTING		6	SHARED VOTING POWER 1,247,698		
	PERSON WITH	7	SOLE DISPOSITIVE POWER None		
		8	SHARED DISPOSITIVE POWER 1,392,117		
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,392,117				
10	CHECK BOX II (see Instru Not Applic	cti			[_]
11	PERCENT OF	CLA:	SS REPRESENTED BY AMOUNT IN ROW (9)		
12	TYPE OF REP				
CUS	IP No. 0468	5W1	03 13G 		
1	NAME OF REP		ING PERSON tments GP LLC		
2	CHECK THE A		OPRIATE BOX IF A MEMBER OF A GROUP		[_]
	Not Applic	abl	e	(5)	L — J
3	SEC USE ONL	Υ			
4	CITIZENSHIP Delaware	OR	PLACE OF ORGANIZATION		
	MBER OF SHARES EFICIALLY	5	SOLE VOTING POWER None		

OWNED BY EACH REPORTING PERSON WITH		6	SHARED VOTING POWER 1,247,698		
		7	SOLE DISPOSITIVE POWER None		
		8	SHARED DISPOSITIVE POWER 1,392,117		
9	AGGREGATE AI 1,392,117	MOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see Instructions) Not Applicable				[_]
11	PERCENT OF (PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 3.5%			
12	TYPE OF REPORTING PERSON (see Instructions) HC				
CUS	IP No. 0468	5W1	03 13G		
1	NAME OF REPO		ING PERSON ers Holdings LP		
2	(see Instru	cti		(a) (b)	
 3	Not Application Not SEC USE ONL		e 		
4	CITIZENSHIP Delaware	OR	PLACE OF ORGANIZATION		
EACH		5	SOLE VOTING POWER None		
		6	SHARED VOTING POWER 1,247,698		
	PORTING PERSON WITH	7	SOLE DISPOSITIVE POWER None		
		8	SHARED DISPOSITIVE POWER 1,392,117		
9	AGGREGATE AI 1,392,117	MOU:	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10	CHECK BOX II (see Instru-	cti	·		[_]

11	PERCENT OF 3.5%	CLA	SS REPRESENTED BY AMOUNT IN ROW (9)			
12	2 TYPE OF REPORTING PERSON (see Instructions) HC					
CUS	IP No. 0468	5W1	03 13G			
1	NAME OF REP Artisan Pa		ING PERSON ers Asset Management Inc.			
2	CHECK THE A		OPRIATE BOX IF A MEMBER OF A GROUP ons)	(a) (b)		
	Not Applic	abl	e 			
3	SEC USE ONL	Y 				
4	CITIZENSHIP Delaware	OR	PLACE OF ORGANIZATION			
	MBER OF SHARES	5	SOLE VOTING POWER None			
BENEFICIALLY OWNED BY EACH		6	SHARED VOTING POWER 1,247,698			
	PERSON WITH	RSON 7 SO	SOLE DISPOSITIVE POWER None			
		8	SHARED DISPOSITIVE POWER 1,392,117			
9	AGGREGATE A 1,392,117	MOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
10	O CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see Instructions) [Not Applicable				[_]	
	3.5%		SS REPRESENTED BY AMOUNT IN ROW (9)			
	2 TYPE OF REPORTING PERSON (see Instructions) HC					
CUS	IP No. 0468		03 13G			
1	NAME OF REPORTING PERSON Artisan Partners Funds, Inc.					
2	CHECK THE A	PPR	OPRIATE BOX IF A MEMBER OF A GROUP			

	(see Ins	tructions)	(a) [_] (b) []		
	Not App	licable	(5) [_]		
3	SEC USE	DNLY			
4	CITIZENS Wiscons	HIP OR PLACE OF ORGANIZATION in			
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		5 SOLE VOTING POWER None			
		6 SHARED VOTING POWER 767,988			
		7 SOLE DISPOSITIVE POWER None			
		8 SHARED DISPOSITIVE POWER 767,988			
9	AGGREGAT: 767,988	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
10	(see Ins	BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES Instructions) [_ Applicable			
11	PERCENT (OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
12		REPORTING PERSON tructions)			
Ite	em 1(a)	Name of Issuer:			
		athenahealth, Inc.			
Ite	em 1(b)	Address of Issuer's Principal Executive Offices:			
		311 Arsenal Street, Watertown, Massachusetts, 02472			
Ite	em 2(a)	Name of Person Filing:			
		Artisan Partners Limited Partnership ("APLP") Artisan Investments GP LLC ("Artisan Investments") Artisan Partners Holdings LP ("Artisan Holdings") Artisan Partners Asset Management Inc. ("APAM") Artisan Partners Funds, Inc. ("Artisan Funds")			
Ite	em 2(b)	Address of Principal Business Office:			
		APLP, Artisan Investments, Artisan Holdings, APAM, and Art Funds are all located at:	isan		
		875 East Wisconsin Avenue, Suite 800			

Milwaukee, WI 53202

Item 2(c) Citizenship:

APLP is a Delaware limited partnership
Artisan Investments is a Delaware limited liability company
Artisan Holdings is a Delaware limited partnership
APAM is a Delaware corporation
Artisan Funds is a Wisconsin corporation

Item 2(d) Title of Class of Securities:

Common Stock

Item 2(e) CUSIP Number:

04685W103

- (d) Artisan Funds is an Investment Company under section 8 of the Investment Company Act.
- (e) APLP is an investment adviser registered under section 203 of the Investment Advisers Act of 1940.
- (g) Artisan Holdings is the sole limited partner of APLP and the sole member of Artisan Investments; Artisan Investments is the general partner of APLP; APAM is the general partner of Artisan Holdings.

Item 4 Ownership(at 12/31/2016):

- (a) Amount owned "beneficially" within the meaning of rule 13d-3: 1,392,117
- (b) Percent of class:
 - 3.5% (based on 39,460,267 shares outstanding as of 10/18/2016)
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote:

None

(ii) shared power to vote or to direct the vote:

1,247,698

(iii) sole power to dispose or to direct the disposition
 of:

None

(iv) shared power to dispose or to direct the disposition of:

1,392,117

Item 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 five percent of the class of securities, check the following [X].

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: 2/3/2017

ARTISAN PARTNERS ASSET MANAGEMENT INC, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez *

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez *

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ARTISAN PARTNERS FUNDS, INC.

By: Gregory K. Ramirez *

*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez Senior Vice President of Artisan Partners Asset Management Inc.

Vice President of Artisan Investments GP LLC

Chief Financial Officer, Vice President and Treasurer of Artisan Partners Funds, Inc.

Exhibit Index

Exhibit 1 Joint Filing Agreement dated 2/3/2017 by and among Artisan Partners Limited Partnership, Artisan Investments GP LLC, Artisan Partners Holdings LP, Artisan Partners Asset Management Inc., and Artisan Partners Funds, Inc.

EXHIBIT 1

JOINT FILING AGREEMENT

The undersigned hereby agree to the joint filing of the Schedule $13\mathrm{G}$ to which this Agreement is attached.

Dated: 2/3/2017

ARTISAN PARTNERS ASSET MANAGEMENT INC, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez *

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez *

ARTISAN PARTNERS FUNDS, INC.

By: Gregory K. Ramirez *

*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez
Senior Vice President of
Artisan Partners Asset
Management Inc.
Vice President of Artisan
Investments GP LLC
Chief Financial Officer, Vice
President and Treasurer of
Artisan Partners Funds, Inc.