ATHENAHEALTH INC Form SC 13G/A February 07, 2013

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. 5)\*

athenahealth, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

04685W103

(CUSIP Number)

December 31, 2012

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

(Date of Event Which Requires Filing of this Statement)

- [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).

Page 1 of 17

CUS	IP No. 0468	5W1	03 13G	
1	NAME OF REP	ORT	ING PERSON	 
	Artisan Pa	rtn	ers Holdings LP	
2	CHECK THE A		OPRIATE BOX IF A MEMBER OF A GROUP	[_] [_]
	Not Applica	abl	е	
3	SEC USE ONL	Υ		 
4	CITIZENSHIP Delaware	OR	PLACE OF ORGANIZATION	 
		5	SOLE VOTING POWER	 
	MBER OF SHARES		None	
BEN		6	SHARED VOTING POWER	
	EACH		3,329,615	
	PORTING PERSON WITH	7	SOLE DISPOSITIVE POWER	 
	WIIH		None	
		8	SHARED DISPOSITIVE POWER	
			3,500,200	
9	AGGREGATE AI	MOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	 
	3,500,200			 
10 CHECK BOX IF THE AGGREGATE AMOU. (see Instructions)			HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ons)	[_]
	Not Applica	abl	e 	 
11	PERCENT OF	CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
	9.6%			 
12	TYPE OF REPO			
	HC			

Page 2 of 17

1 NAME OF R	REPORTING PERSON	
Artisan	Investment Corporation	
		) [_]
Not Appl	Licable	
3 SEC USE O		
4 CITIZENSH	HIP OR PLACE OF ORGANIZATION	
Wisconsi	in	
	5 SOLE VOTING POWER	
NUMBER OF		
	6 SHARED VOTING POWER	
OWNED BY EACH	3,329,615	
	7 SOLE DISPOSITIVE POWER	
WITH	None	
	8 SHARED DISPOSITIVE POWER	
	3,500,200	
9 AGGREGATE	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
3,500,20	00	
	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (ructions)	[_]
Not Appl	icable	
11 PERCENT O	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
9.6%		
	REPORTING PERSON cructions)	
НС		
	Page 3 of 17	
	rage 5 or 17	
CUSIP No. 04	1685W103 13G	
1 NAME OF R	REPORTING PERSON	

3

Artisan Pa	rtners Limited Partnership	
2 CHECK THE A	PPROPRIATE BOX IF A MEMBER OF A GROUP ctions)	(a) [_] (b) [_]
Not Applic	able	
3 SEC USE ONL	Y	
4 CITIZENSHIP	OR PLACE OF ORGANIZATION	
Delaware		
	5 SOLE VOTING POWER	
NUMBER OF SHARES	None	
	6 SHARED VOTING POWER	
EACH REPORTING	3,329,615	
PERSON WITH	7 SOLE DISPOSITIVE POWER	
WIIH	None	
	8 SHARED DISPOSITIVE POWER	
	3,500,200	
9 AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
3,500,200		
10 CHECK BOX I	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ctions)	[_]
Not Applic	able	
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
9.6%		
12 TYPE OF REP	ORTING PERSON ctions)	
IA		
	Page 4 of 17	
CUSIP No. 0468	5W103 13G	
1 NAME OF REP	ORTING PERSON	

Artisan Investments GP LLC

,

2	2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see Instructions)		a) b)		
	Not Applic	cable			
3	SEC USE ONI	LY			
4	CITIZENSHIP	P OR PLACE OF ORGANIZATION			
	Delaware				
		5 SOLE VOTING POWER			
	MBER OF	None			
BENI		6 SHARED VOTING POWER			
	WNED BY EACH	3,329,615			
		7 SOLE DISPOSITIVE POWER			
	WITH	None			
		8 SHARED DISPOSITIVE POWER			
		3,500,200			
9	AGGREGATE A	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	3,500,200				
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see Instructions)				[_]	
	Not Applic	cable			
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	9.6%				
12	TYPE OF REPORTING PERSON (see Instructions)				
	НС				
		Page 5 of 17			
		rage 5 01 17			
CUS	IP No. 0468	35W103 13G			
1	NAME OF REP				
	ZFIC, Inc.				
2	 CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP			

(see Instructions)			(a) (b)	[_] [_]	
Not	Applica	able	<u> </u>		
3 SEC	USE ONL	 Ľ			
4 CITI	 ZENSHIP	OR	PLACE OF ORGANIZATION		
Wis	consin				
		5	SOLE VOTING POWER		
NUMBER			None		
	ALLY	6	SHARED VOTING POWER		
OWNED EACH			3,329,615		
PERSO	PORTING PERSON	7	SOLE DISPOSITIVE POWER		
WITH			None		
		8	SHARED DISPOSITIVE POWER		
			3,500,200		
(see	K BOX II Instruc Applica	ctio			[_]
11 PERC 9.6		CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)		
 12 TYPE			ING PERSON ons)		
			Page 6 of 17		
CUSIP No	. 04685	5W1(	13G		
1 NAME	OF REPO	ORTI	ING PERSON		
And	rew A. 2	Zie			
	K THE AI		DPRIATE BOX IF A MEMBER OF A GROUP	(a)	[_]

	Not Applic	able			
3	SEC USE ONL	Υ			
4	CITIZENSHIP	OR	PLACE OF ORGANIZATION		
	U.S.A.				
		5	SOLE VOTING POWER		
	MBER OF		None		
BEN	SHARES EFICIALLY WNED BY	6	SHARED VOTING POWER		
RE	EACH PORTING		3,329,615 		
	PERSON WITH	7	SOLE DISPOSITIVE POWER		
			None		
		8	SHARED DISPOSITIVE POWER		
			3,500,200		
9	AGGREGATE A	MOUN	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	3,500,200				
10	CHECK BOX I		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		[_]
	Not Applic	able	9		
11	PERCENT OF	CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)		
	9.6%				
12	TYPE OF REP				
	IN				
			Page 7 of 17		
CUS	IP No. 0468	5W1(	13G		
1	NAME OF REP	ORTI	ING PERSON		
	Carlene M.	Zie			
2	CHECK THE A		DPRIATE BOX IF A MEMBER OF A GROUP	(a)	[_] [_]
	Not Applic	able			

3	SEC USE ONL	Υ			
4	CITIZENSHIP	OR	PLACE OF ORGANIZATION		
	U.S.A.				
		5	SOLE VOTING POWER		
	MBER OF		None		
BEN		6	SHARED VOTING POWER		
	WNED BY EACH		3,329,615		
	PORTING PERSON	7	SOLE DISPOSITIVE POWER		
	WITH		None		
		8	SHARED DISPOSITIVE POWER		
			3,500,200		
9	AGGREGATE AI	MOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	3,500,200				
10			HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	(see Instru				[_]
	Not Applica				
11		CLA:	SS REPRESENTED BY AMOUNT IN ROW (9)		
	9.6%				
12	TYPE OF REPO				
	IN				
			Page 8 of 17		
CUS	IP No. 0468	5W1	03 13G		
1	NAME OF REPO	ORT:	ING PERSON		
	Artisan Pa	rtne	ers Funds, Inc.		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see Instructions) (			(a)	[_]
				(b)	[_]
	Not Applica	abl	e 		
2	SEC HEE ONL	V			

4 CITIZENSH	IP OR PLACE OF ORGANIZATION
Wisconsi	n 
	5 SOLE VOTING POWER
NUMBER OF	None
BENEFICIALLY OWNED BY	6 SHARED VOTING POWER
EACH	1,984,715
REPORTING PERSON	7 SOLE DISPOSITIVE POWER
WITH	None
	8 SHARED DISPOSITIVE POWER
	1,984,715
9 AGGREGATE	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
1,984,71	5
10 CHECK BOX (see Inst	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ructions)
Not Appl	,
	F CLASS REPRESENTED BY AMOUNT IN ROW (9)
5.5%	CEMBO NEINEBERTED ET TEROONT IN NOW (5)
	EPORTING PERSON
(see Inst	
IC	
	Page 9 of 17
Item 1(a) N	ame of Issuer:
	athenahealth, Inc.
Item 1(b) A	ddress of Issuer's Principal Executive Offices:
	311 Arsenal Street, Watertown, MA 02472
Item 2(a) N	ame of Person Filing:
	Artisan Partners Holdings LP ("Artisan Holdings") Artisan Investment Corporation, the general partner of Artisan Holdings ("Artisan Corp.") Artisan Partners Limited Partnership ("Artisan Partners") Artisan Investments GP LLC, the general partner of Artisan Partners ("Artisan Investments")

ZFIC, Inc., the sole stockholder of Artisan Corp. ("ZFIC") Andrew A. Ziegler Carlene M. Ziegler Artisan Partners Funds, Inc. ("Artisan Funds")

Item 2(b) Address of Principal Business Office:

Artisan Holdings, Artisan Corp., Artisan Partners, Artisan Investments, ZFIC,
Mr. Ziegler, Ms. Ziegler and Artisan Funds are all located at:

875 East Wisconsin Avenue, Suite 800 Milwaukee, WI 53202

Item 2(c) Citizenship:

Artisan Holdings is a Delaware limited partnership Artisan Corp. is a Wisconsin corporation Artisan Partners is a Delaware limited partnership Artisan Investments is a Delaware limited liability company ZFIC is a Wisconsin corporation Mr. Ziegler and Ms. Ziegler are U.S. citizens 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) Artisan Partners is an investment adviser registered under section 203 of the Investment Advisers Act of 1940; Artisan Holdings is the sole limited partner of Artisan Partners; Artisan Investments is the general partner of Artisan Partners; Artisan Corp is the general partner of Artisan Holdings; ZFIC is the sole stockholder of Artisan Corp.; Mr. Ziegler and Ms. Ziegler are the principal stockholders of ZFIC.

Page 10 of 17

Item 4 Ownership (at December 31, 2012):

- (a) Amount owned "beneficially" within the meaning of rule 13d-3:  $\,$
- (b) Percent of class:

3,500,200

9.6% (based on 36,272,219 shares outstanding as of October 15, 2012)

(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:

3,329,615

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

None

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

3,500,200

Item 5 Ownership of Five Percent or Less of a Class:

Not Applicable

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

The shares reported herein have been acquired on behalf of discretionary clients of Artisan Partners; as reported herein, Artisan Partners holds 3,500,200 shares, including 1,984,715 shares on behalf of Artisan Funds. Persons other than Artisan Partners are entitled to receive all dividends from, and proceeds from the sale of, those shares.

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.

Page 11 of 17

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: February 7, 2013

ARTISAN INVESTMENT CORPORATION, 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\*

ZFIC, INC.

By: Gregory K. Ramirez\*

ANDREW A. ZIEGLER

Andrew A. Ziegler\*

CARLENE M. ZIEGLER

Carlene M. Ziegler\*

ARTISAN PARTNERS FUNDS, INC.

By: Gregory K. Ramirez\*

\*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez
Senior Vice President-Chief
Accounting Officer & Assistant
Treasurer of Artisan Investment
Corporation

Vice President of Artisan
Investments GP LLC

Attorney-in-Fact for ZFIC, Inc. Attorney-in-Fact for Andrew A. Ziegler

Attorney-in-Fact for Carlene M. Ziegler

Chief Financial Officer, Vice President

and Treasurer of Artisan Partners Funds, Inc.

Page 12 of 17

Exhibit Index

	ů ů	
Exhibit 1	Artisan Partners Holding Artisan Partners Limited	dated February 7, 2013 by and among gs LP, Artisan Investment Corporation, d Partnership, Artisan Investments GP LLC, Legler, Carlene M. Ziegler and Artisan
Exhibit 2	Power of Attorney of ZFI	IC, Inc., dated August 31, 2012
Exhibit 3	Power of Attorney of And	drew A. Ziegler dated August 31, 2012
Exhibit 4	Power of Attorney of Car	clene M. Ziegler dated August 31, 2012
	Page	e 13 of 17
		EXHIBIT 1
	JOINT FII	LING AGREEMENT
	signed hereby agree to th greement is attached.	ne joint filing of the Schedule 13G to
Dated	: February 7, 2013	
		ARTISAN INVESTMENT CORPORATION, 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*
		ZFIC, INC.
		By: Gregory K. Ramirez*
		ANDREW A. ZIEGLER
		Andrew A. Ziegler*
		CARLENE M. ZIEGLER
		Carlene M. Ziegler*
		ARTISAN PARTNERS FUNDS, INC.
		By: Gregory K. Ramirez*
		*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez Senior Vice President-Chief Accounting Officer & Assistant Treasurer of Artisan Investment Corporation Vice President of Artisan Investments GP LLC Attorney-in-Fact for ZFIC, Inc. Attorney-in-Fact for Andrew A. Ziegler Attorney-in-Fact for Carlene M. Ziegler Chief Financial Officer, Vice President and Treasurer of Artisan Partners Funds, Inc.

Page 14 of 17

EXHIBIT 2

#### POWER OF ATTORNEY

The undersigned, ZFIC, Inc., hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, its true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on its behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this  $31st\ day\ of\ August,\ 2012.$ 

ZFIC, INC.

By: /s/ Andrew A. Ziegler

Andrew A. Ziegler

Vice President

STATE OF WISCONSIN )

OUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and

delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran
----Notary Public

Page 15 of 17

EXHIBIT 3

#### POWER OF ATTORNEY

The undersigned, Andrew A. Ziegler, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, his true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on his behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

STATE OF WISCONSIN )
) SS.
COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran
----Notary Public

Page 16 of 17

EXHIBIT 4

#### POWER OF ATTORNEY

The undersigned, Carlene M. Ziegler, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, her true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on her behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

STATE OF WISCONSIN )

OUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Carlene M. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that she signed and delivered the said instrument as her own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran
----Notary Public

Page 17 of 17