ATHENAHEALTH INC Form SC 13G/A April 09, 2010

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. 1)*

ATHENAHEALTH INC.

(NAME OF ISSUER)

COMMON STOCK

(TITLE OF CLASS OF SECURITIES)

04685W103

(CUSIP NUMBER)

MARCH 31, 2010

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).

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CUSIP No. 04	685W103	13G	
1 NAME OF F	EPORTING PER	RSON	
Artisan	Partners Hol	dings LP	
	APPROPRIATE) [_]
Not Appl	icable		
3 SEC USE C	DNLY		
4 CITIZENSE		OF ORGANIZATION	
	5 SOLE V	OTING POWER	
NUMBER OF	None		
SHARES BENEFICIALLY	6 SHARED	O VOTING POWER	
OWNED BY EACH	3,681	.,900	
REPORTING PERSON	7 SOLE D	DISPOSITIVE POWER	
WITH	None		
	8 SHARED	DISPOSITIVE POWER	
	3,860	700	
9 AGGREGATE	AMOUNT BENE	EFICIALLY OWNED BY EACH REPORTING PERSON	
3,860,70	0		
	IF THE AGGR	REGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	[_]
Not Appl	icable		
11 PERCENT C	F CLASS REPF	RESENTED BY AMOUNT IN ROW (9)	
11.3%			
	REPORTING PER	RSON	
HC			

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1 NAME OF REP	ORTING PERSON	
Artisan In	vestment Corporation	
2 CHECK THE A (see Instru	APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [(b) [
Not Applic	cable	
3 SEC USE ONL	Y	
4 CITIZENSHIP Wisconsin	OR PLACE OF ORGANIZATION	
	5 SOLE VOTING POWER	
NUMBER OF	None	
OWNED BY	6 SHARED VOTING POWER	
EACH REPORTING	3,681,900	
PERSON WITH	7 SOLE DISPOSITIVE POWER None	
	8 SHARED DISPOSITIVE POWER	
	3,860,700	
9 AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
3,860,700		
10 CHECK BOX I (see Instru	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (ctions)	_]
Not Applic	cable	
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
11.3%		
12 TYPE OF REP (see Instru	PORTING PERSON	
HC		
	Page 3 of 17	
CUSIP No. 0468	35W103 13G	

1 NAME OF REPORTING PERSON				
Artisan Pa	rtners Limited Partnership			
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see Instructions) (a) [. (b) [.				
Not Applic	able			
3 SEC USE ONL	Y			
4 CITIZENSHIP	OR PLACE OF ORGANIZATION			
Delaware				
	5 SOLE VOTING POWER			
NUMBER OF	None			
	6 SHARED VOTING POWER			
OWNED BY EACH	3,673,800			
REPORTING PERSON	7 SOLE DISPOSITIVE POWER			
WITH	None			
	8 SHARED DISPOSITIVE POWER			
	3,852,600			
9 AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
3,852,600				
	10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see Instructions)			
Not Applic	able			
11 PERCENT OF	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
11.3%				
12 TYPE OF REP	DRTING PERSON			
IA				
	Page 4 of 17			
CUSIP No. 0468	5W103 13G			

1 NAME OF REPORTING PERSON

4

Artisan	Investments GP LLC	
	E APPROPRIATE BOX IF A MEMBER OF A GROUP tructions)	(a) [_] (b) [_]
Not App	licable	
3 SEC USE	ONLY	
4 CITIZENS	HIP OR PLACE OF ORGANIZATION	
Delawar	е	
	5 SOLE VOTING POWER	
NUMBER OF	None	
SHARES BENEFICIALLY	6 SHARED VOTING POWER	
OWNED BY EACH	3,673,800	
REPORTING PERSON		
WITH	None	
	8 SHARED DISPOSITIVE POWER	
	3,852,600	
9 AGGREGAT: 3,852,6	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHAR tructions)	ES [_]
	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
11.3%	OF CLASS REFRESENTED BY AMOUNT IN NOW (9)	
12 TYPE OF 1	REPORTING PERSON tructions)	
HC		
	Page 5 of 17	
CUSIP No. 0	4685W103 13G	
1 NAME OF 1	REPORTING PERSON	

ZFIC, Inc.		
2 CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) [_] (b) [_]
Not Applic	cable	
3 SEC USE ONI	, _Y	
4 CITIZENSHIP Wisconsin	OR PLACE OF ORGANIZATION	
	5 SOLE VOTING POWER	
NUMBER OF	None	
SHARES BENEFICIALLY	6 SHARED VOTING POWER	
OWNED BY EACH	3,681,900	
REPORTING PERSON	7 SOLE DISPOSITIVE POWER	
WITH	None	
	8 SHARED DISPOSITIVE POWER	
	3,860,700	
9 AGGREGATE A 3,860,700	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10 CHECK BOX I (see Instru	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARE	 [_]
Not Applic	able	
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
11.3%		
12 TYPE OF REP (see Instru	PORTING PERSON actions)	
НС		
	Page 6 of 17	
CUSIP No. 0468	35W103 13G	
1 NAME OF REP	PORTING PERSON	
Andrew A.	Ziegler	

6

2	CHECK THE A		a) b)	[_]
	Not Applic	cable		
3	SEC USE ONL	LY		
4	CITIZENSHIP	P OR PLACE OF ORGANIZATION		
	U.S.A.			
		5 SOLE VOTING POWER		
NU	MBER OF SHARES	None		
		6 SHARED VOTING POWER		
DE	EACH PORTING	3,681,900		
		7 SOLE DISPOSITIVE POWER		
		None		
		8 SHARED DISPOSITIVE POWER		
		3,860,700		
9	AGGREGATE A	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	3,860,700			
10	CHECK BOX I	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		[_]
	Not Applic	cable		
11	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	11.3%			
12	TYPE OF REP	PORTING PERSON uctions)		
	IN			
		Page 7 of 17		
CUS	IP No. 0468	85W103 13G		
1	NAME OF REP	PORTING PERSON		
	Carlene M.	. Ziegler		

2 CHECK THE A		(a) (b)	[_]
Not Applic	cable		
3 SEC USE ONI	 LY		
4 CITIZENSHIE	P OR PLACE OF ORGANIZATION		
U.S.A.			
	5 SOLE VOTING POWER		
NUMBER OF	None		
SHARESBENEFICIALLY 6 SHARED VOTING POWER OWNED BY			
EACH REPORTING	3,681,900		
PERSON WITH	7 SOLE DISPOSITIVE POWER		
	None		
	8 SHARED DISPOSITIVE POWER		
	3,860,700		
9 AGGREGATE A	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
3,860,700			
10 CHECK BOX I	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES uctions)		[_]
Not Applic	cable		
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)		
11.3%			
12 TYPE OF REF	PORTING PERSON uctions)		
IN			
	Page 8 of 17		
CUSIP No. 0468	85W103 13G		
Artisan Fu	unds, Inc.		
2 CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP		

		a) [_] b) [_]
Not App	plicable	
3 SEC USE	ONLY	
	SHIP OR PLACE OF ORGANIZATION	
Wiscons	sin 	
	5 SOLE VOTING POWER	
NUMBER OF	None	
SHARES BENEFICIALLY	Y 6 SHARED VOTING POWER	
OWNED BY EACH	1,984,500	
REPORTING PERSON	7 SOLE DISPOSITIVE POWER	
WITH	None	
	8 SHARED DISPOSITIVE POWER	
	1,984,500	
9 AGGREGA	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
1,984,	500	
	OX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES structions)	[_]
Not App	plicable 	
11 PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
5.8%		
	REPORTING PERSON structions)	
IC		
	Page 9 of 17	
ITEM 1(A)	NAME OF ISSUER:	
	athenahealth Inc.	
ITEM 1(B)	ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:	
	311 Arsenal Street, Watertown, MA 02472	
ITEM 2(A)	NAME 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 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

ITEM 3 TYPE OF PERSON:

- (d) Artisan Funds is an Investment Company under section 8 of the Investment Company Act.
- (e) Artisan Partners and Artisan Holdings are investment advisers 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.

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ITEM 4 OWNERSHIP (AT MARCH 31, 2010):

(a) Amount owned "beneficially" within the meaning of rule 13d-3: 3,860,700

(b) Percent of class:

11.3% (based on 34,034,323 shares outstanding as of March $12,\ 2010$)

- (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:

3,681,900

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

None

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

3,860,700

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 and Artisan Holdings; as reported herein, Artisan Partners and Artisan Holdings hold 3,860,700 shares, including 1,984,500 shares on behalf of Artisan Funds. Persons other than Artisan Partners and Artisan Holdings are entitled to receive all dividends from, and proceeds from the sale of, those shares.

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:

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.

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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: April 9, 2010

ARTISAN INVESTMENT CORPORATION, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Janet D. Olsen*

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

By: Janet D. Olsen*

ZFIC, INC.

By: Janet D. Olsen*

ANDREW A. ZIEGLER

Andrew A. Ziegler*

CARLENE M. ZIEGLER

Carlene M. Ziegler*

ARTISAN FUNDS, INC.

By: Janet D. Olsen*

*By: /s/ Janet D. Olsen

Janet D. Olsen

Vice President 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

General Counsel and Secretary of Artisan Funds, Inc.

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Exhibit Index

Exhibit 1	Joint Filing Agreement dated April 9, 2010 by and among Artisan
	Partners Holdings LP, Artisan Investment Corporation, Artisan
	Partners Limited Partnership, Artisan Investments GP LLC, ZFIC,
	Inc., Andrew A. Ziegler, Carlene M. Ziegler and Artisan Funds,
	Inc.

Exhibit 2 Power of Attorney of ZFIC, Inc., dated March 19, 2007

Exhibit 3 Power of Attorney of Andrew A. Ziegler dated March 19, 2007

Exhibit 4 Power of Attorney of Carlene M. Ziegler dated March 19, 2007

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EXHIBIT 1

JOINT FILING AGREEMENT

The undersigned hereby agree to the joint filing of the Schedule 13G to which this Agreement is attached.

Dated: April 9, 2010

ARTISAN INVESTMENT CORPORATION, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Janet D. Olsen*

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

By: Janet D. Olsen*

ZFIC, INC.

By: Janet D. Olsen*

ANDREW A. ZIEGLER

Andrew A. Ziegler*

CARLENE M. ZIEGLER

Carlene M. Ziegler*

ARTISAN FUNDS, INC.

By: Janet D. Olsen*

*By: /s/ Janet D. Olsen

Janet D. Olsen
Vice President 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

General Counsel and Secretary of Artisan Funds, Inc.

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EXHIBIT 2

POWER OF ATTORNEY

The undersigned, ZFIC, Inc., hereby appoints Lawrence A. Totsky, Janet D. Olsen, and Sarah A. Johnson, 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 19/th/ day of March, 2007.

ZFIC, INC.

By: /s/ Andrew A. Ziegler

Andrew A. Ziegler Vice President

STATE OF WISCONSIN)
) SS.
COUNTY OF MILWAUKEE)

I, Timothy K. Weston, 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 19/th/day of March, 2007.

/s/ Timothy K. Weston
----Notary Public

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EXHIBIT 3

POWER OF ATTORNEY

The undersigned, Andrew A. Ziegler, hereby appoints Lawrence A. Totsky, Janet D. Olsen, and Sarah A. Johnson, 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 19/th/ day of March, 2007.

STATE OF WISCONSIN)

OUNTY OF MILWAUKEE)

I, Timothy K. Weston, 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 19/th/ day of March, 2007.

/s/ Timothy K. Weston
----Notary Public

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EXHIBIT 4

POWER OF ATTORNEY

The undersigned, Carlene M. Ziegler, hereby appoints Lawrence A. Totsky, Janet D. Olsen, and Sarah A. Johnson, 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 19/th/day of March, 2007.

STATE OF WISCONSIN)

, SS.
COUNTY OF MILWAUKEE)

I, Timothy K. Weston, 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 19/th/ day of March, 2007.

/s/ Timothy K. Weston
-----Notary Public

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