ATHENAHEALTH INC Form SC 13G February 11, 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.)*

athenahealth Inc

(Name of Issuer)

Common Stock

(Title of Class of Securities)

04685W103

(CUSIP Number)

December 31, 2009

(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).

Page 1 of 16

CUSIP	No. 04685	5W1	03 13G	
1 NA	ME OF REPO	DRT	ING PERSON	
P	rtisan Pa	rtn	ers Holdings LP	
	ECK THE AN		OPRIATE BOX IF A MEMBER OF A GROUP ons)	[_]
Ν	Not Applica	abl	e	
3 SE	C USE ONLY	Y		
4 CI	TIZENSHIP	OR	PLACE OF ORGANIZATION	
Γ	elaware			
		5	SOLE VOTING POWER	
	R OF		None	
BENEFI	RES CIALLY	6	SHARED VOTING POWER	
EA	D BY CH		2,848,300	
PEF	RTING SON	7	SOLE DISPOSITIVE POWER	
WITH	.1H		None	
		8	SHARED DISPOSITIVE POWER	
			2,964,000	
9 AG	GREGATE AN	NOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
2	,964,000			
	IECK BOX II see Instruc		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ons)	 [_]
Ν	Not Applica	abl	e	
11 PE	RCENT OF (CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
8	.8%			
	PE OF REPOsee Instruc		ING PERSON ons)	
H	IC			

Page 2 of 16

1 NAME	OF REPORTING PERSON	
Arti	san Investment Corporation	
		ı) [_]
Not	Applicable	
3 SEC U	SE ONLY	
4 CITIZ	ENSHIP OR PLACE OF ORGANIZATION	
Wisc	onsin	
	5 SOLE VOTING POWER	
NUMBER C	F None	
	LLY 6 SHARED VOTING POWER	
OWNED E EACH	2,848,300	
REPORTIN		
WITH	None	
	8 SHARED DISPOSITIVE POWER	
	2,964,000	
9 AGGRE	GATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
2,96	4,000	
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see Instructions)		[_]
Not	Applicable	
11 PERCE	VT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
8.88		
	DF REPORTING PERSON Instructions)	
HC		
	Page 3 of 16	
	RAGE Y OF LE	

Page 3 of 16

	Artisan Pa	rtn	ers Limited Partnership		
2	(see Instructions) (a)				[_] [_]
	Not Applic	abl	e		
3	SEC USE ONL	Y			
4	CITIZENSHIP	OR	PLACE OF ORGANIZATION		
	Delaware				
		5	SOLE VOTING POWER		
			None		
		6	SHARED VOTING POWER		
	WNED BY EACH		2,843,400		
		7	SOLE DISPOSITIVE POWER		
	WITH		None		
		8	SHARED DISPOSITIVE POWER		
			2,959,100		
9	AGGREGATE A	MOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	2,959,100				
10	CHECK BOX I (see Instru		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ons)		[_]
	Not Applic	abl	e		
11	PERCENT OF	CLA	SS REPRESENTED BY AMOUNT IN ROW (9)		
	8.8%				
12	TYPE OF REP (see Instru				
	IA				
			Page 4 of 16		

CUSIP No. 04685W103

13G

1 NAME OF REPORTING PERSON

Artisan Investments GP LLC

				[_] [_]
Not Applic	cabl	e		
3 SEC USE ONI	LY			
4 CITIZENSHIE	P OR	PLACE OF ORGANIZATION		
Delaware				
	5	SOLE VOTING POWER		
NUMBER OF SHARES		None		
BENEFICIALLY	6	SHARED VOTING POWER		
OWNED BY EACH		2,843,400		
	7	SOLE DISPOSITIVE POWER		
WITH		None		
	8	SHARED DISPOSITIVE POWER		
		2,959,100		
9 AGGREGATE A	AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
2,959,100				
10 CHECK BOX I (see Instru		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ons)	3	[_]
Not Applic	abl	e		
11 PERCENT OF	CLA	SS REPRESENTED BY AMOUNT IN ROW (9)		
8.8%				
12 TYPE OF REF (see Instru				
HC				
		Page 5 of 16		
		rage 5 01 10		
CUSIP No. 0468				
1 NAME OF REP				
ZFIC, Inc.				
2 CHECK THE A	APPR	OPRIATE BOX IF A MEMBER OF A GROUP		

	(see Instructions) (a) (b)			[_] [_]
	Not Applic	able		
3	SEC USE ONL	Υ		
4	CITIZENSHIP	OR PLACE OF ORGANIZATION		
	Wisconsin			
		5 SOLE VOTING POWER		
	MBER OF	None		
BENEF	SHARES EFICIALLY WNED BY	6 SHARED VOTING POWER		
	EACH	2,848,300		
	PERSON WITH	7 SOLE DISPOSITIVE POWER		
		None		
		8 SHARED DISPOSITIVE POWER		
		2,964,000		
 10	2,964,000 CHECK BOX I (see Instru	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	Not Applic	able		
11	PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	8.8%			
12	TYPE OF REP (see Instru	ORTING PERSON ctions)		
	НС			
		Page 6 of 16		
CUS	IP No. 0468	5W103 13G		
1	NAME OF REP	ORTING PERSON		
	Andrew A.	Ziegler		
2	CHECK THE A (see Instru	PPROPRIATE BOX IF A MEMBER OF A GROUP ctions)	(a) (b)	[] []

Not Applic	able	
3 SEC USE ONL	у У	
4 CITIZENSHIP	OR PLACE OF ORGANIZATION	
U.S.A.		
	5 SOLE VOTING POWER	
NUMBER OF	None	
SHARES BENEFICIALLY	6 SHARED VOTING POWER	
OWNED BY EACH	2,848,300	
REPORTING		
PERSON WITH	7 SOLE DISPOSITIVE POWER	
	None	
	8 SHARED DISPOSITIVE POWER	
	2,964,000	
9 AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
2,964,000		
10 CHECK BOX II (see Instru	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ctions)	[_]
Not Applic	able	
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
8.8%		
12 TYPE OF REPO (see Instru	ORTING PERSON ctions)	
IN		
	Page 7 of 16	
CUSIP No. 0468	5W103 13G	
1 NAME OF REP	ORTING PERSON	
Carlene M.		
2 CHECK THE A (see Instru		a) [_]
Not Applic		,]

3 SEC USE	ONLY	
4 CITIZENS	HIP OR PLACE OF ORGANIZATION	
U.S.A.		
	5 SOLE VOTING POWER	
NUMBER OF	None	
SHARES BENEFICIALLY	6 SHARED VOTING POWER	
OWNED BY EACH	2,848,300	
REPORTING PERSON WITH	7 SOLE DISPOSITIVE POWER	
	None	
	8 SHARED DISPOSITIVE POWER	
	2,964,000	
9 AGGREGAI	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
2,964,0	00	
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see Instructions) [_]		
Not App	licable	
11 PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
8.8%		
	REPORTING PERSON tructions)	
IN		
	Page 8 of 16	
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

Item 2(b) Address of Principal Business Office:

Artisan Holdings, Artisan Corp., Artisan Partners, Artisan Investments, ZFIC, Mr. Ziegler and Ms. Ziegler 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

Item 2(d) Title of Class of Securities:

Common Stock

Item 2(e) CUSIP Number:

04685W103

Item 3 Type of Person:

(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.

Page 9 of 16

Item 4 Ownership (at December 31, 2009):

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

2,964,000

(b) Percent of class:

8.8% (based on 33,689,235 shares outstanding as of October 29, 2009)

(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:2,848,300
- (iii) sole power to dispose or to direct the disposition of:

None

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

2,964,000

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. Persons other than Artisan Partners and Artisan Holdings are entitled to receive all dividends from, and proceeds from the sale of, those shares. None of those persons, to the knowledge of Artisan Partners, Artisan Corp., ZFIC, Mr. Ziegler or Ms. Ziegler, has an economic interest in more than 5% of the class.

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.

Page 10 of 16

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 11, 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* -----*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.

Page 11 of 16

Ziegler

Exhibit Index

Exhibit 1 Joint Filing Agreement dated February 11, 2010 by and among Artisan Partners Holdings LP, Artisan Investment Corporation, Artisan Partners Limited Partnership, Artisan Investments GP LLC, ZFIC, Inc., Andrew A. Ziegler and Carlene M. Ziegler

- 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

Page 12 of 16

EXHIBIT 1

JOINT FILING AGREEMENT

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

Dated: February 11, 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*

*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

Page 13 of 16

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 19th 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 19th day of March, 2007.

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

Page 14 of 16

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 19th day of March, 2007.

/s/ Andrew A. Ziegler Andrew A. Ziegler

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 19th day of March, 2007.

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

Page 15 of 16

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 19th day of March, 2007.

/s/ Carlene M. Ziegler Carlene M. Ziegler

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 19th day of March, 2007.

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

Page 16 of 16