

Byers Carl B.
Form 4
September 17, 2008

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Check this box
if no longer
subject to
Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction
1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF
SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
30(h) of the Investment Company Act of 1940

OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person *
Byers Carl B.

(Last) (First) (Middle)

C/O ATHENAHEALTH, INC., 311
ARSENAL STREET

(Street)

WATERTOWN, MA 02472

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading
Symbol
ATHENAHEALTH INC [ATHN]

3. Date of Earliest Transaction
(Month/Day/Year)

09/15/2008

4. If Amendment, Date Original
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director _____ 10% Owner
____X____ Officer (give title _____ Other (specify
below) below)

Senior VP, CFO and Treasurer

6. Individual or Joint/Group Filing(Check
Applicable Line)
____X____ Form filed by One Reporting Person
____ Form filed by More than One Reporting
Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock	09/15/2008		S	100 ⁽¹⁾ D	\$ 32.89 279,555 ⁽²⁾	D	
Common Stock	09/15/2008		S	100 ⁽¹⁾ D	\$ 32.91 279,455	D	
Common Stock	09/15/2008		S	100 ⁽¹⁾ D	\$ 32.68 279,355	D	
Common Stock	09/15/2008		S	100 ⁽¹⁾ D	\$ 32.97 279,255	D	
Common Stock	09/15/2008		S	100 ⁽¹⁾ D	\$ 32.74 279,155	D	

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Common Stock	09/15/2008	S	100 ⁽¹⁾	D	\$ 32.53	279,055	D
Common Stock	09/15/2008	S	100 ⁽¹⁾	D	\$ 33.27	278,955	D
Common Stock	09/15/2008	S	100 ⁽¹⁾	D	\$ 32.56	278,855	D
Common Stock	09/15/2008	S	100 ⁽¹⁾	D	\$ 32.92	278,755	D
Common Stock	09/15/2008	S	100 ⁽¹⁾	D	\$ 32.75	278,655	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Report Transaction (Instr. 6)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Byers Carl B. C/O ATHENAHEALTH, INC. 311 ARSENAL STREET WATERTOWN, MA 02472	Senior VP, CFO and Treasurer

Signatures

/s/ Daniel H. Orenstein
Attorney-in-Fact

09/17/2008

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The sales reported on this Form 4 were made pursuant to a written trading plan adopted by the Reporting Person on January 8, 2008 in accordance with SEC Rule 10b5-1.
- (2) Includes 455 shares purchased pursuant to the Issuer's 2007 Employee Stock Purchase Plan on September 2, 2008, which transaction is considered exempt pursuant to Rule 16b-3(c) promulgated under the Securities Exchange Act of 1934.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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