

Hueber Robert M
Form 4
September 22, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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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

(Print or Type Responses)

1. Name and Address of Reporting Person *
Hueber Robert M

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
311 ARSENAL STREET

(Street)

3. Date of Earliest Transaction (Month/Day/Year)
09/22/2010

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
SVP, Sales

WATERTOWN, MA 02472

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

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

(City) (State) (Zip)

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 Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | Code | V Amount (A) or (D) Price | | | |
| Common Stock | 09/15/2010 | | G | V 191 ⁽¹⁾ D \$ 0 10,382 | D | | |
| Common Stock | 09/15/2010 | | G | V 191 ⁽¹⁾ D \$ 0 10,191 | D | | |
| Common Stock | 09/15/2010 | | G | V 191 ⁽¹⁾ D \$ 0 10,000 | D | | |
| Common Stock | 09/22/2010 | | M | 163 A \$ 0.62 10,163 | D | | |
| Common Stock | 09/22/2010 | | M | 10,000 A \$ 0.62 20,163 | D | | |

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Common Stock 09/22/2010 S 10,163₍₂₎ D \$ 30.42₍₃₎ 10,000 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) | Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|
| Stock Option (Right to Buy) | \$ 0.62 | 09/22/2010 | | M | 163 | 04/16/2003 04/16/2013 | Common Stock | 163 |
| Stock Option (Right to Buy) | \$ 0.62 | 09/22/2010 | | M | 10,000 | 02/06/2004 02/06/2014 | Common Stock | 10,000 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|------------|-------|
| | Director | 10% Owner | Officer | Other |
| Hueber Robert M 311 ARSENAL STREET WATERTOWN, MA 02472 | | | SVP, Sales | |

Signatures

/s/ Daniel H. Orenstein 09/22/2010
Attorney-in-Fact

__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) These shares were a bona fide gift to the children of the Reporting Person.

(2) The sales reported on this Form 4 were made pursuant to a written trading plan adopted by the Reporting Person on June 11, 2009, in accordance with Rule 10b5-1.

This price represents the weighted average of sales ranging from \$30.18 to \$30.89. Upon request by the Commission staff, the Issuer, or a security holder of the Issuer, the Reporting Person will provide full information regarding the number of shares sold at each separate price.

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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