COSINUKE ROBERT

Form 4

November 13, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

Number: 3235-0287

January 31,

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

Form 5
obligations
may continue.

See Instruction

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

1(b).

(Print or Type Responses)

| 1. Name and A COSINUKE | * | rting Person * | 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) | 3. Date of Earliest Transaction | | | | |
| 311 ARSENAL STREET | | | (Month/Day/Year) 11/12/2012 | Director 10% Owner Nother (give title Other (specify below) SVP, Chief Marketing Officer | | | |
| (Street) WATERTOWN, MA 02472 | | | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Check | | | |
| | | | Filed(Month/Day/Year) | Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person | | | |
| (City) | (State) | (7in) | | | | | |

| (City) | (State) | (Zip) Tabl | e I - Non-D | Perivative | Secur | rities Acq | uired, Disposed o | f, or Beneficial | ly Owned | |
|--------------------------------------|---|---|-------------|--------------|-------|---------------------|--|--|---|--|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if any (Month/Day/Year) | | | | cquired d of (D) 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | | | Code V | Amount | | Price | (Instr. 3 and 4) | | | |
| Common Stock | 11/12/2012 | | M | 3,000 | A | \$ 35.26 | 54,472 | D | | |
| Common Stock | 11/12/2012 | | S | 3,000 (1) | D | \$ 60.24 | 51,472 | D | | |

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

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SEC 1474

(9-02)

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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. Transactic Code (Instr. 8) | 5. Number out 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) | |
|---|---|---|---|--|--|-------|--|--------------------|---|--|
| | | | | Code V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Stock Option (Right to Buy) | \$ 35.26 | 11/12/2012 | | M | | 3,000 | 12/03/2008 | 01/02/2018 | Common Stock | 3,000 |

 \mathbf{D}

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

COSINUKE ROBERT 311 ARSENAL STREET WATERTOWN, MA 02472

SVP, Chief Marketing Officer

Signatures

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

11/13/2012

**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 sale reported on this Form 4 was made pursuant to a written trading plan adopted by the Reporting Person on September 16, 2011, in accordance with Rule 10b5-1.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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