ATHENAHEALTH INC

Form 4

October 16, 2008

FORM 4

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

OMB Number: 3235-0287

Estimated average

burden hours per

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

response...

See Instruction 1(b).

(Print or Type Responses)

| 1. Name and Address of Reporting Person * Bush Jonathan | | | 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 | (Check all applicable) | | | |
| C/O ATHENAHEALTH, INC., 311 | | | (Month/Day/Year) 10/14/2008 | _X_ Director 10% OwnerX_ Officer (give title Other (specify | | | |
| ARSENAL STREET | | , 11 (0., 311 | 10/14/2000 | below) below) CEO and President | | | |
| (Street) | | | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Check | | | |
| WATERTON | VN MA OO | 1472 | Filed(Month/Day/Year) | Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting | | | |
| WATERTOWN, MA 02472 | | | | Person | | | |

| (City) | (State) | (Zip) Table | e I - Non-D | D erivative | Secur | ities Acq | uired, Disposed o | f, or Beneficial | ly Owned |
|--------------------------------------|---|---|--|----------------------------------|-------|-------------|--|--|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transactic Code (Instr. 8) | 4. Securi on(A) or Di (Instr. 3, | spose | d of (D) | 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) |
| Common Stock | 10/14/2008 | | S | 130 (1) | D | \$ 28.95 | 244,350 | I | See Footnote (2) |
| Common Stock | 10/14/2008 | | S | 100 (1) | D | \$ 29.78 | 244,250 | I | See Footnote |
| Common Stock | | | | | | | 375,190 | D | |
| Common Stock | | | | | | | 100,000 | I | See Footnote (3) |

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Common See See Stock 13,995 I Footnote

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474

(9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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. Transa Code (Instr. | of 8) Do Se Ao (A Di of (Ir | umber | | ate | Amor Unde Secur | le and unt of rlying ities . 3 and 4) | 8. Price of Derivative Security (Instr. 5) | |
|---|---|--------------------------------------|---|---------------------------------|--|--------|---------------------|--------------------|-----------------------|---|---|--|
| | | | | Code | V (A | A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | | |
|--------------------------------|---------------|-----------|-------------------|-------|--|--|--|--|
| | Director | 10% Owner | Officer | Other | | | | |
| Bush Jonathan | | | | | | | | |
| C/O ATHENAHEALTH, INC. | X | | CEO and President | | | | | |
| 311 ARSENAL STREET | Λ | | CEO and President | | | | | |
| WATERTOWN, MA 02472 | | | | | | | | |

Signatures

/s/ Daniel H. Orenstein 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) The sales reported on this Form 4 were made pursuant to a written trading plan adopted by the trustees of The Bush 2004 Gift Trust (see footnote 2) on January 7, 2008 in accordance with SEC Rule 10b5-1.

(2)

Reporting Owners 2

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These shares are owned by The Bush 2004 Gift Trust, the beneficiaries of which are certain of Mr. Bush's children. The Reporting Person disclaims beneficial ownership of these securities, and this report shall not be deemed an admission that the Reporting Person is the beneficial owner of the securities for purposes of Section 16 or for any other purpose.

- These shares are owned by The Jonathan J. Bush, Jr. Grantor Retained Annuity Trust Dated July 15, 2008, the beneficiaries of which are Mr. Bush and certain of his children. The Reporting Person disclaims beneficial ownership of these securities, and this report shall not be deemed an admission that the Reporting Person is the beneficial owner of the securities for purposes of Section 16 or for any other purpose.
- These shares are owned by The Jonathan J. Bush, Jr. 2007 Grantor Retained Annuity Trust, the beneficiaries of which are Mr. Bush and certain of his children. The Reporting Person disclaims beneficial ownership of these securities, and this report shall not be deemed an admission that the Reporting Person is the beneficial owner of the securities for purposes of Section 16 or for any other purpose.

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.