Bush Jonathan Form 4 April 14, 2010

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

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

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * **Bush Jonathan**

(First)

C/O ATHENAHEALTH, INC., 311

(Street)

(Ctata)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Last)

ARSENAL STREET

(Middle)

ATHENAHEALTH INC [ATHN]

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

04/13/2010

(Check all applicable)

_X__ Officer (give title below) CEO and President

Other (specify

10% Owner

OMB APPROVAL

3235-0287

January 31,

2005

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Number:

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Estimated average

burden hours per

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

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Director

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

WATERTOWN, MA 02472

(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. Transactic Code (Instr. 8)	4. Securi on(A) or Di (Instr. 3,	ispose	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	04/13/2010		S	190 (1)	` ′	\$ 35.96	224,034	I	See Footnote (2)	
Common Stock	04/13/2010		S	200 (1)	D	\$ 36.03	223,834	I	See Footnote (2)	
Common Stock	04/13/2010		S	100 (1)	D	\$ 36.2	223,734	I	See Footnote (2)	
Common Stock	04/13/2010		S	100 (1)	D	\$ 36.26	223,634	I	See Footnote	

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							(2)
Common Stock	04/13/2010	S	100 (1) D	\$ 36.09	223,534	I	See Footnote
Common Stock					382,232	D	
Common Stock					50,080	I	See Footnote (3)
Common Stock					2,354	I	See Footnote

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

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(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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	isable and	7. Title	e and	8. Price of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration Da	ate	Amour	nt of	Derivative
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ties	(Instr. 5)
	Derivative				Securities			(Instr.	3 and 4)	
	Security				Acquired					
					(A) or					
					Disposed					
					of (D)					
					(Instr. 3,					
					4, and 5)					
									Amount	
						Date	Expiration		or	
						Exercisable	Date		Number	
					<i>(</i> 1) (5)				of	
				Code V	(A) (D)				Shares	

Reporting Owners

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

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Relationshins

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Signatures

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

04/14/2010

**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 June 9, 2009, in accordance with Rule 10b5-1.
- These shares are owned by The Bush 2004 Gift Trust, the beneficiaries of which are certain of Mr. Bush's children. The Reporting Person (2) 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 Oscar W. Bush 2007 Gift Trust, the beneficiary of which is Mr. Bush's child. The Reporting Person (4) 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.

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