REYNOLDS FRANCIS

Form 4

December 26, 2012

FORM 4

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

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

January 31, Expires: 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

burden hours per response...

Estimated average

See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * **REYNOLDS FRANCIS**

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]

(Check all applicable)

(Last)

(First)

(Middle)

(Zin)

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

_X__ 10% Owner _X__ Director X__ Officer (give title _ Other (specify

CEO, CFO

C/O INVIVO THERAPEUTICS **HOLDINGS CORP., ONE**

(Street)

(State)

KENDALL SQUARE, SUITE

B14402

(City)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

12/21/2012

Applicable Line)

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

below)

CAMBRIDGE, MA 02139

Security (Instr. 3)	(City)	(State) (ZI	Table I	I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
COMMON STOCK 12/21/2012 S(1) 3,750 D \$ 14,327,160 D COMMON STOCK 12/21/2012 S(1) 500 D \$ 14,326,660 D COMMON STOCK 12/24/2012 S(1) 2,000 D \$ 14,324,660 D COMMON STOCK 12/24/2012 S(1) 2,000 D \$ 14,324,660 D	Security		Execution Date, if any	Transaction Code (Instr. 8)	on(A) or D (D) (Instr. 3,	4 and (A) or	d of 5)	Securities Beneficially Owned Following Reported Transaction(s)	Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
STOCK 12/21/2012 S <u>(1)</u> 500 D 1.63 14,326,660 D COMMON STOCK 12/24/2012 S <u>(1)</u> 2,000 D \$ 14,324,660 D COMMON \$		12/21/2012		Couc ,		, ,	\$	14,327,160	D			
STOCK 12/24/2012 S <u>G</u> 2,000 D 1.63 14,324,660 D		12/21/2012		S(1)	500	D		14,326,660	D			
COMMON \$ 12/24/2012 \$(1) 2.250 D \$ 14.322.410 D		12/24/2012		S(1)	2,000	D		14,324,660	D			
STOCK 55 2,250 D 1.64 14,322,410 D		12/24/2012		S <u>(1)</u>	2,250	D		14,322,410	D			

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COMMON STOCK	12/26/2012	S(1)	4,250	D	\$ 1.65	14,318,160	D	
COMMON STOCK						13,603	I	By 401(k) Plan

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.		5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Amor Unde Secur	le and ant of rlying ities . 3 and 4)	8. Price of Derivative Security (Instr. 5)
				Code	V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships						
FS	Director	10% Owner	Officer	Other			
REYNOLDS FRANCIS							
C/O INVIVO THERAPEUTICS HOLDINGS CORP.	X	X	CEO, CFO				
ONE KENDALL SQUARE, SUITE B14402		**	czc, cr c				
CAMBRIDGE, MA 02139							

Signatures

/S/ ELIZABETH FRASER, AS ATTORNEY IN 12/26/2012 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 in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on December 4, 2012.

Reporting Owners 2

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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.