MEDICINES CO/DE

Form 4

February 07, 2017

FORM 4

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005 Estimated average

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

burden hours per response...

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * O'Connor William Bernard			2. Issuer Name and Ticker or Trading Symbol MEDICINES CO /DE [MDCO]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(
8 SYLVAN WAY			(Month/Day/Year) 02/03/2017	Director 10% OwnerX Officer (give title Other (specify below) Chief Financial Officer			
(Street) PARSIPPANY, NJ 07054			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) (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. Transactio Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	(msu. +)
Common Stock	02/03/2017		M	10,833	A	\$ 22.04	30,935	D	
Common Stock	02/03/2017		S	10,833 (1)	D	\$ 45	20,102	D	
Common Stock	02/07/2017		M	15,000	A	\$ 28.6	35,102	D	
Common Stock	02/07/2017		S	12,100 (1)	D	\$ 46.98 (2)	23,002	D	
Common Stock	02/07/2017		S	2,900 (1)	D	\$ 47.45	20,102	D	

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(3)

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. Transactio Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed o (D) (Instr. 3, 4, and 5)	Expiration I (Month/Day	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount Underlying Securitie (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha	
Stock Option (right-to-buy)	\$ 22.04	02/03/2017		M	10,833	3 (4)	02/24/2022	Common Stock	10,8	
Stock Option (right-to-buy)	\$ 28.6	02/07/2017		M	15,000	(5)	02/16/2017	Common Stock	15,0	

Reporting Owners

Relationships Reporting Owner Name / Address Officer Other Director 10% Owner

O'Connor William Bernard 8 SYLVAN WAY PARSIPPANY, NJ 07054

Chief Financial Officer

Signatures

/s/ Stephen M. Rodin, Attorney-in-Fact for William B. 02/07/2017 O'Connor

> **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) Sales were effected pursuant to a Rule 10b5-1 program adopted by the reporting person.
 - Represents the weighted average sales price of the shares sold ranging from a low of \$46.35 to a high of \$47.34 per share. The
- (2) undersigned undertakes, upon request by the Commission staff, the issuer or a security holder of the issuer, to provide full information regarding the number of shares sold at each separate price.

Reporting Owners 2

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- Represents the weighted average sales price of the shares sold ranging from a low of \$47.35 to a high of \$47.67 per share. The
- (3) undersigned undertakes, upon request by the Commission staff, the issuer or a security holder of the issuer, to provide full information regarding the number of shares sold at each separate price.
- (4) This option vested in forty-eight equal monthly installments beginning March 24, 2012.
- (5) This option vested in forty-eight equal monthly installments beginning March 16, 2007.
- (6) Not applicable.

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.