MEDICINES CO /DE Form SC 13G/A January 18, 2007

> SECURITIES & EXCHANGE COMMISSION Washington, D.C. 20549

> > SCHEDULE 13G/A\* (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2(b)

(Amendment No. 2)

THE MEDICINES COMPANY (Name of Issuer)

Common Stock, \$0.001 par value per share (Title of Class of Securities)

584688105 (CUSIP Number)

December 31, 2006 (Date of event which requires filing of this statement)

Check the appropriate box to designate the rule pursuant to which this Schedule 13G/A is filed:

[ ] Rule 13d-1(b)
[X] Rule 13d-1(c)
[ ] Rule 13d-1(d)

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\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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(1) NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

	Adage	Capital Partners, L.P.				
(2)	CHECK		[ ] [X]			
(3)	SEC US	SEC USE ONLY				
(4)		CITIZENSHIP OR PLACE OF ORGANIZATION Delaware				
NUMBER OF	(5)	 ) SOLE VOTING POWER -0-				
SHARES						
BENEFICIALLY	Y (6)	SHARED VOTING POWER -0-				
OWNED BY						
EACH	(7)	SOLE DISPOSITIVE POWER -0-				
REPORTING						
PERSON WITH	(8)	SHARED DISPOSITIVE POWER -0-				
(9)	AGGRI -0-	EGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PE	RSON			
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ** []					
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0%					
(12)	TYPE OF REPORTING PERSON ** PN					
		** SEE INSTRUCTIONS BEFORE FILLING OUT!				

CUSIP No. 5	584688105	13G/A	Page 3	3 of 11 Pages
(1)	PERSONS (ENTITIE	ING PERSONS I.R.S. IDENTI S ONLY) artners GP, L.L.C.	FICATION NO. (	DF ABOVE
(2)	CHECK THE APPROF	RIATE BOX IF A MEMBER OF	A GROUP **	(a) [] (b) [X]
(3)	SEC USE ONLY			
(4)	CITIZENSHIP OR E Delaware	PLACE OF ORGANIZATION		
NUMBER OF	(5) SOLE VOI -0-	ING POWER		

SHARES					
	. ,	SHARED VOTING POWER -0-			
OWNED BY EACH REPORTING	( )	SOLE DISPOSITIVE POWER -0-			
		SHARED DISPOSITIVE POWER -0-			
(9)	AGGREG	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPO	DRTING PERSON		
(10)		BOX IF THE AGGREGATE AMOUNT (9) EXCLUDES CERTAIN SHARES **	[ ]		
(11)	PERCEN 0%	T OF CLASS REPRESENTED BY AMOUNT IN ROW (	)		
(12)	TYPE O	F REPORTING PERSON **			
CUSIP No. 58 	NAMES O	13G/A Pa  F REPORTING PERSONS IDENTIFICATION NO.	age 4 of 11 Pages		
	OF ABOVE PERSONS (ENTITIES ONLY) Adage Capital Advisors, L.L.C.				
(2)	CHECK T	HE APPROPRIATE BOX IF A MEMBER OF A GROUP	** (a) [] (b) [X]		
(3)	SEC USE	ONLY			
(4)	CITIZEN	SHIP OR PLACE OF ORGANIZATION Delaware			
	(5)	SOLE VOTING POWER -0-			
SHARES BENEFICIALLY OWNED BY		SHARED VOTING POWER -0-			
EACH	(7)	SOLE DISPOSITIVE POWER -0-			
REPORTING PERSON WITH					
	(8)	SHARED DISPOSITIVE POWER -0-			

(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON $-0-$					
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ** []					
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0%					
	TYPE OF 00	REPORTING PERSON **				
		** SEE INSTRUCTIONS BEFORE FILLING OUT!				
CUSIP No. 58	4688105	13G/A Page	e 5 of 11 Pages			
(	I.R.S. OF ABOV	F REPORTING PERSONS IDENTIFICATION NO. E PERSONS (ENTITIES ONLY) Atchinson				
(2)	CHECK I	THE APPROPRIATE BOX IF A MEMBER OF A GROUP **	(a) [ ] (b) [X]			
(3)	SEC USE	ONLY				
(4)	CITIZEN	SHIP OR PLACE OF ORGANIZATION United States				
NUMBER OF	(5)	SOLE VOTING POWER -0-				
BENEFICIALLY	(6)	SHARED VOTING POWER -0-				
OWNED BY EACH	(7)	SOLE DISPOSITIVE POWER -0-				
REPORTING PERSON WITH		SHARED DISPOSITIVE POWER -0-				
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON -0-					
	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ** []					
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0%					
(12)	TYPE C IN	F REPORTING PERSON **				
		** SEE INSTRUCTIONS BEFORE FILLING OUT!				

CUSIP No. 58	IP No. 584688105		13G/A		of 11 Pages	3	
(1)	I.R.S.	F REPORTING PERSON IDENTIFICATION NO. E PERSONS (ENTITIE Gross				_	
(2)	CHECK I	HE APPROPRIATE BOX	IF A MEMBER OF	(	(a) [] (b) [X]		
(3)	SEC USE	ONLY					
	CITIZEN	CITIZENSHIP OR PLACE OF ORGANIZATION United States					
NUMBER OF	(5)	SOLE VOTING POWEF -0-	3				
	<u>(</u> 6)	SHARED VOTING POW -0-	IER				
OWNED BY	(7)	SOLE DISPOSITIVE	POWER				
REPORTING PERSON WITH		SHARED DISPOSITIV -0-	VE POWER				
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON -0-						
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ** []						
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0%						
(12)	TYPE C IN	F REPORTING PERSON	1 **				
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\*\* SEE INSTRUCTIONS BEFORE FILLING OUT!

CUSIP No. 584688105 13G/A Page 7 of 11 Pages Item 1(a). Name of Issuer: The name of the issuer is THE MEDICINES COMPANY (the "Company").

Item 1(b). Address of Issuer's Principal Executive Offices:

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The Company's principal executive offices are located at 8 Campus Drive, Parsippany, NJ 07054.

Item 2(a). Name of Person Filing:

- This statement is filed by:
  - (i) Adage Capital Partners, L.P., a Delaware limited partnership ("ACP") with respect to the shares of Common Stock directly owned by it;
  - (ii) Adage Capital Partners GP, L.L.C., a limited liability company organized under the laws of the State of Delaware ("ACPGP"), as general partner of ACP with respect to the shares of Common Stock directly owned by ACP;
  - (iii) Adage Capital Advisors, L.L.C., a limited liability company organized under the laws of the State of Delaware ("ACA"), as managing member of ACPGP, general partner of ACP, with respect to the shares of Common Stock directly owned by ACP;
  - (iv) Phillip Gross ("Mr. Gross"), as managing member of ACA, managing member of ACPGP, general partner of ACP with respect to the shares of Common Stock directly owned by ACP; and
  - (v) Robert Atchinson ("Mr. Atchinson"), as managing member of ACA, managing member of ACPGP, general partner of ACP with respect to the shares of Common Stock directly owned by ACP.

The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons." Any disclosures herein with respect to persons other than the Reporting Persons are made on information and belief after making inquiry to the appropriate party.

Item 2(b). Address of Principal Business Office or, if None, Residence:

The address of the business office of each of the Reporting Persons is 200 Clarendon Street, 52nd floor, Boston, Massachusetts 02116.

Item 2(c). Citizenship:

ACP is a limited partnership organized under the laws of the State of Delaware. ACPGP and ACA are limited liability companies organized under the laws of the State of Delaware. Messrs. Gross and Atchinson are citizens of the United States.

Item 2(d). Title of Class of Securities:

Common Stock, \$0.001 par value (the "Common Stock").

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Item 2(e). CUSIP Number:

584688105

Item 3. If this statement is filed pursuant to Rules 13d-1(b) or 13d-2(b) or (c), check whether the person filing is a:

(a) [ ] Broker or dealer registered under Section 15 of the Act,

(b) [ ] Bank as defined in Section 3(a)(6) of the Act,

- (c) [ ] Insurance Company as defined in Section 3(a)(19) of the Act,
- (d)[] Investment Company registered under Section 8 of the Investment Company Act of 1940,
- (e)[] Investment Adviser in accordance with Rule 13d-1
   (b)(1)(ii)(E),
- (f)[] Employee Benefit Plan or Endowment Fund in accordance with 13d-1 (b)(1)(ii)(F),
- (g)[] Parent Holding Company or control person in accordance with Rule 13d-1 (b) (1) (ii) (G),
- (h)[] Savings Association as defined in Section 3(b) of the Federal Deposit Insurance Act,
- (i) [ ] Church Plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940,
- (j) [] Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to 13d-1(c), check this box: [x]

Item 4. Ownership.

A. Adage Capital Partners, L.P., Adage Capital Partners GP, L.L.C. and Adage Capital Advisors, L.L.C.

- (a) Amount beneficially owned: -0-
- (b) Percent of class: 0%
- (c) (i) Sole power to vote or direct the vote: -0-
  - (ii) Shared power to vote or direct the vote: -0-
    - (iii) Sole power to dispose or direct the disposition: -0-
    - (iv) Shared power to dispose or direct the disposition:-0-.

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ACP has the power to dispose of and the power to vote the shares of Common Stock beneficially owned by it, which power may be exercised by its general partner, ACPGP. ACA, as managing member of ACPGP, directs ACPGP's operations. Neither ACPGP nor ACA directly own any shares of Common Stock. By reason of the provisions of Rule 13d-3 of the Securities Exchange Act of 1934 (the "Act"), ACPGP and ACA may be deemed to beneficially own the shares owned by ACP.

B. Robert Atchinson and Phillip Gross

- (a) Amount beneficially owned: -0-
- (b) Percent of class: 0%
- (c) (i) Sole power to vote or direct the vote: -0-
  - (ii) Shared power to vote or direct the vote: -0-
  - (iii) Sole power to dispose or direct the disposition: -0-
  - (iv) Shared power to dispose or direct the disposition: -0-.

Messrs. Atchinson and Gross, as managing members of ACA, have shared power to vote the Common Stock beneficially owned by ACP. Neither Mr. Atchinson nor Mr. Gross directly own any shares of Common Stock. By reason of the provisions

of Rule 13d-3 of the Act, each may be deemed to be neficially own the shares beneficially owned by ACP.

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the Reporting Persons have ceased to be the beneficial owner of more than five percent of the Common Stock, check the following [X].

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

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Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certification.

Each of the Reporting Persons hereby makes the following certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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#### SIGNATURES

After reasonable inquiry and to the best of our knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

DATED: January 18, 2007

ADAGE CAPITAL PARTNERS, L.P.

- By: Adage Capital Partners GP, L.L.C., its general partner
- By: Adage Capital Advisors, L.L.C., its managing member

/s/ Robert Atchinson

Name: Robert Atchinson Title: Managing Member

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ADAGE CAPITAL PARTNERS GP, L.L.C. By: Adage Capital Advisors, L.L.C., its managing member

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/s/ Robert Atchinson

Name: Robert Atchinson Title: Managing Member

ADAGE CAPITAL ADVISORS, L.L.C.

/s/ Robert Atchinson

Name: Robert Atchinson Title: Managing Member

ROBERT ATCHINSON

/s/ Robert Atchinson

ROBERT ATCHINSON, individually

PHILLIP GROSS

/s/ Phillip Gross

PHILLIP GROSS, individually