Medidata Solutions, Inc. Form 4

May 29, 2014

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

Estimated average burden hours per response... 0.5

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Number:

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OMB APPROVAL

3235-0287

January 31,

2005

Form 4 or Form 5 obligations may continue.

Check this box

if no longer

subject to

Section 16.

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 See Instruction

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * Sherif Tarek

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

Medidata Solutions, Inc. [MDSO]

(Check all applicable)

Chairman & CEO

(Middle) (Last) (First)

(Month/Day/Year) 05/27/2014

_X__ Director 10% Owner Other (specify X_ Officer (give title

C/O MEDIDATA SOLUTIONS. INC., 350 HUDSON STREET, 9TH **FLOOR**

(Street)

(State)

(Zip)

4. If Amendment, Date Original

3. Date of Earliest Transaction

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

below)

NEW YORK, NY 10014

(City)

(City)	(State)	(Zip) Tab	ole I - Non-	Derivative S	Securit	ties Acquir	ed, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if any (Month/Day/Year)		Code (Instr. 8)		d of (D and 5) (A) or)) 	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	05/27/2014		Code V S	20 000	D 4	Price \$ 40.1001 (2)	869,223	D	

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title a	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration D	ate	Amount	of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underlyi	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securitie	es	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
								Α.			
									mount		
						Date	Expiration	or			
							Date	Title Number			
								of			
				Code V	(A) (D)			Sł	hares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
Reporting Owner Name / Address	Director	10% Owner	Officer	Other			
Sherif Tarek C/O MEDIDATA SOLUTIONS, INC. 350 HUDSON STREET, 9TH FLOOR NEW YORK, NY 10014	X		Chairman & CEO				

Signatures

/s/ Michael I. Otner, Attorney-in-Fact 05/29/2014

**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 sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on September 12, 2013.

Such transaction was executed in multiple trades at prices ranging from \$40.00 to \$40.32. The price reported reflects the weighted

(2) average sale price. The reporting person hereby undertakes to provide upon request to the SEC staff, the issuer or a security holder of the issuer full information regarding the number of shares and prices at which the transaction was effected.

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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