Medidata Solutions, Inc. Form 4

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

may continue.

Form 5

February 12, 2016

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

OMB

OMB APPROVAL

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

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Otner Michael I.

2. Issuer Name and Ticker or Trading Symbol

Issuer

Medidata Solutions, Inc. [MDSO]

(Check all applicable)

5. Relationship of Reporting Person(s) to

(Last)

(First) (Middle) 3. Date of Earliest Transaction

(Month/Day/Year) 02/10/2016

Director 10% Owner X_ Officer (give title

EVP-General Counsel

below)

Other (specify

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

(Street)

(State)

02/10/2016

(City)

4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year) Applicable Line)

(A)

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

NEW YORK, NY 10014

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

(Zip)

4. Securities Acquired 5. Amount of 3. Transaction(A) or Disposed of Code (D) (Instr. 3, 4 and 5) (Instr. 8)

Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Ownership Indirect (I) (Instr. 4) (Instr. 4)

or Code V Amount (D) Transaction(s) (Instr. 3 and 4)

Price F 398 (1) D

111,160 32.3

D

Stock

Common

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

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SEC 1474 (9-02)

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 Exer	cisable and	7. Title	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ties	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired	cquired					Follo
	·				(A) or						Repo
					Disposed						Trans
		of (D)								(Instr	
				(Instr. 3,							Ì
			4, and 5)								
									Amount		
						Date Exercisable	Expiration Date		or		
								Title	Number		
									of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Otner Michael I. C/O MEDIDATA SOLUTIONS, INC., 350 HUDSON STREET, 9TH FLOOR NEW YORK, NY 10014

EVP-General Counsel

Signatures

/s/ Michael I.

Otner 02/12/2016

**Signature of Date
Reporting Person

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) Shares withheld by Medidata to satisfy the tax withholding obligation in connection with the vesting of previously awarded restricted stock.

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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