de Vries Glen Michael Form 4/A December 02, 2010

## FORM 4

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

**OMB** Number:

January 31, Expires: 2005

3235-0287

0.5

**OMB APPROVAL** 

Estimated average burden hours per response...

Check this box if no longer subject to Section 16. Form 4 or

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

Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and A de Vries Gle	-	orting Person *	2. Issuer Name <b>and</b> Ticker or Trading Symbol Medidata Solutions, Inc. [MDSO]	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	(Check all applicable)  X Director 10% Owner			
C/O MEDIDATA SOLUTIONS, INC., 79 FIFTH AVENUE, 8TH FLOOR			(Month/Day/Year) 08/13/2010	X Director 10% OwnerX Officer (give title Other (specify below) President			
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year) 08/17/2010	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
NEW YORK, NY 10003				Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-Derivative Securities A	canired Disposed of or Reneficially Own			

(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)	Execution Date, if any	Code	4. Securition(A) or Dis (Instr. 3, 4	spose	d of (D)	5. Amount of Securities Beneficially	6. Ownership Form: Direct (D) or	Indirect Beneficial
		(Month/Day/Year)	(Instr. 8)		(A) or		Owned Following Reported Transaction(s) (Instr. 3 and 4)	Indirect (I) (Instr. 4)	Ownership (Instr. 4)
Common Stock	08/13/2010		Code V F	Amount 2,203 (1)	(D)	Price \$ 16.74	1,395,945	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)

#### Edgar Filing: de Vries Glen Michael - Form 4/A

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Title a	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	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	3		(Instr. 3	and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
								٨	mount		
								01			
						Date	Expiration		umber		
						Exercisable	Date	of			
				Code V	(A) (D)				hares		

# **Reporting Owners**

Reporting Owner Name / Address	Relationships						
and the state of t	Director	10% Owner	Officer	Other			
de Vries Glen Michael C/O MEDIDATA SOLUTIONS, INC. 79 FIFTH AVENUE, 8TH FLOOR NEW YORK, NY 10003	X		President				

## **Signatures**

/s/ Michael I. Otner, 12/02/2010 Attorney-in-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).

On August 17, 2010, the reporting person filed a Form 4 reporting the forfeiture, in satisfaction of tax withholding liability, of shares deliverable upon vesting of restricted stock. The tax withholding calculations used in preparation of that filing, and therefore the numbers of shares reported as forfeited, were in error. This amendment corrects the number of shares forfeited.

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.

Reporting Owners 2