Kurtz Neil M Form 4 June 02, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

OMB APPROVAL

3235-0287

Expires:

January 31, 2005

0.5

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if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box

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

2. Issuer Name and Ticker or Trading

Medidata Solutions, Inc. [MDSO]

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * Kurtz Neil M

(First)

(Street)

(State)

05/31/2011

Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Last)

FLOOR

(City)

(Middle)

3. Date of Earliest Transaction

(Check all applicable)

C/O MEDIDATA SOLUTIONS. INC., 79 FIFTH AVENUE, 8TH

(Month/Day/Year)

05/31/2011

X_ Director 10% Owner Officer (give title Other (specify below)

(Zip)

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

NEW YORK, NY 10003

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

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

5. Amount of Securities Beneficially Owned Following Reported

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

(A) or

(2)

Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

\$0

Common Stock

A

4,078 (1)

12,535

D

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

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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 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. Transactic Code (Instr. 8)	5. Number proof Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. I Der Sec (In:
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (right to buy)	\$ 22.99	05/31/2011		A	2,857	(3)	05/31/2021	Common Stock	2,857	\$

Reporting Owners

Reporting Owner Name / Address	Relationships					
· · · · · · · · · · · · · · · · · · ·	Director	10% Owner	Officer	Other		
Kurtz Neil M						
C/O MEDIDATA SOLUTIONS, INC.	X					
79 FIFTH AVENUE, 8TH FLOOR	Λ					

Signatures

NEW YORK, NY 10003

/s/ Michael I. Otner, Attorney-in-Fact 06/02/2011

**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) Represents shares of restricted stock. The restrictions lapse with respect to one-half of the shares on each of May 18, 2012 and May 18, 2013.
- (2) Granted as compensation for services.
- (3) These options vest in 24 equal monthly installments commencing one month after the grant date, subject to continued employment.
- (4) Granted as compensation for services.

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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