Medidata Solutions, Inc. Form 4

June 30, 2016

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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OMB APPROVAL

response...

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

Check this box

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 Address of Reporting Person * Hirschfeld Steven Isaac

2. Issuer Name and Ticker or Trading Symbol

Medidata Solutions, Inc. [MDSO]

5. Relationship of Reporting Person(s) to

(Check all applicable)

Vice Chairman

Issuer

below)

(Last)

(City)

(First)

(Middle)

(Zip)

3. Date of Earliest Transaction

Director

X_ Officer (give title

10% Owner Other (specify

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

(Street)

(State)

4. If Amendment, Date Original

(Month/Day/Year)

06/29/2016

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

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 10014

| | | Tubic 1 Tion 2 of Tubic 5 occurred Troquite at 2 is possed on, of 2 of the a | | | | | | | | | | |
|------------|---------------------|--|-----------------------------------|-----------|-----|--------------|------------------|--------------|--------------|--|--|--|
| 1.Title of | 2. Transaction Date | 2A. Deemed | 3. 4. Securities Acquired | | | | 5. Amount of | 6. | 7. Nature of | | | |
| Security | (Month/Day/Year) | Execution Date, if | Transaction(A) or Disposed of (D) | | | | Securities | Ownership | Indirect | | | |
| (Instr. 3) | | any | Code (Instr. 3, 4 and 5) | | | Beneficially | Form: Direct | Beneficial | | | | |
| | | (Month/Day/Year) | (Instr. 8) | Instr. 8) | | | Owned | (D) or | Ownership | | | |
| | | | | | | | Following | Indirect (I) | (Instr. 4) | | | |
| | | | | | (4) | | Reported | (Instr. 4) | | | | |
| | | | | | (A) | | Transaction(s) | | | | | |
| | | | C + V | A | or | ъ. | (Instr. 3 and 4) | | | | | |
| | | | Code V | Amount | (D) | Price | | | | | | |
| Common | | | | 10,000 | | \$ | | | | | | |
| | 06/29/2016 | | S | (1) | D | 45.66 | 100,166 | D | | | | |
| Stock | | | | (-) | | (2) | | | | | | |

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 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. Transaction Code (Instr. 8) | 5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) | | ate Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | of ng s | 8. Price of Derivative Security (Instr. 5) | 9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr |
|---|---|---|---|---|---|---------------------|--------------------|---|---------------|---|---|
| | | | | Code V | (Instr. 3, 4, and 5) (A) (D) | Date Exercisable | Expiration Date | or Title Nu of | umber | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Hirschfeld Steven Isaac C/O MEDIDATA SOLUTIONS, INC 350 HUDSON STREET, 9TH FLOOR NEW YORK, NY 10014

Vice Chairman

Signatures

/s/ Kathryn E. Schneider, Attorney-in-Fact

06/30/2016

**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 March 10, 2016.
- Such transaction was executed in multiple trades at prices ranging from \$45.02 to \$46.03. The price reported reflects the weighted 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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