

Medidata Solutions, Inc.
Form 4
December 16, 2013

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
Hirschfeld Steven Isaac

(Last) (First) (Middle)

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

(Street)

NEW YORK, NY 10014

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
Medidata Solutions, Inc. [MDSO]

3. Date of Earliest Transaction
(Month/Day/Year)
12/12/2013

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
X Officer (give title below) ___ Other (specify below)
EVP- Customer Operations

6. Individual or Joint/Group Filing(Check Applicable Line)
X Form filed by One Reporting Person
___ Form filed by More than One Reporting Person

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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)
				(A) or (D)	Price		
				Code	V	Amount	
Common Stock	12/12/2013		M		5,097	A	\$ 14 43,548 D
Common Stock	12/12/2013		S		5,097	D	\$ 113.0783 38,451 D
Common Stock	12/13/2013		M		3,766	A	\$ 14 42,217 D
Common Stock	12/13/2013		S		3,766	D	\$ 112.9446 38,451 D

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Common Stock	12/13/2013	M	1,137	D	\$ 15.35	39,588	D
Common Stock	12/13/2013	S	1,137	D	\$ 112.9446 (2)	38,451	D

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

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(9-02)

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

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. Number of 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. Amount or Number of Shares
Stock Option (right to buy)	\$ 14	12/12/2013		M	5,097	(3) 06/24/2019	Common Stock	5,097
Stock Option (right to buy)	\$ 14	12/13/2013		M	3,766	(3) 06/24/2019	Common Stock	3,766
Stock Option (right to buy)	\$ 15.35	12/13/2013		M	1,137	(4) 05/18/2020	Common Stock	1,137

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Hirschfeld Steven Isaac C/O MEDIDATA SOLUTIONS, INC.			EVP- Customer Operations	

350 HUDSON STREET, 9TH FLOOR
NEW YORK, NY 10014

Signatures

/s/ Michael I. Otner,
Attorney-in-Fact

12/16/2013

__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).

Such transaction was executed in multiple trades at prices ranging from \$113.00 to \$113.29. The price reported reflects the weighted
(1) 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.

Such transaction was executed in multiple trades at prices ranging from \$112.19 to \$113.07. 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.

(3) These options are fully vested and exercisable.

(4) These options vest in 48 equal monthly installments commencing one month after the grant date, subject to continued employment.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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