

Medidata Solutions, Inc.  
 Form 4  
 April 30, 2015

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2015  
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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 \*  
 Schloss Eileen

(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)  
 04/29/2015

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_ Director \_\_\_ 10% Owner  
 \_\_\_ Officer (give title below) \_\_\_X\_\_\_ Other (specify below)  
 EVP, HUMAN RESOURCES

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 Ownership (Instr. 4)
				(A) or (D)	Price		
			Code	V	Amount		
Common Stock	04/29/2015		M		851	A	\$ 18.75 39,357 D
Common Stock	04/29/2015		M		3,315	A	\$ 18.75 42,672 D
Common Stock	04/29/2015		S		4,166	D	\$ 55.2 38,506 D

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

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SEC 1474 (9-02)

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)

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)	\$ 18.755	04/29/2015		M	851	<u>(1)</u> 10/29/2022	Common Stock	851
Stock Option (right to buy)	\$ 18.755	04/29/2015		M	3,315	<u>(1)</u> 10/29/2022	Common Stock	3,315

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Schloss Eileen C/O MEDIDATA SOLUTIONS, INC., 350 HUDSON STREET, 9TH FLOOR NEW YORK, NY 10014				EVP, HUMAN RESOURCES

## Signatures

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

04/30/2015

\*\*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 options vested as to 25% of the shares on October 29, 2013 and 1/36th of the remaining options will become exercisable each month thereafter for the next 36 months

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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