

DALZIEL BRUCE D

Form 4

June 26, 2009

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

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

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
DALZIEL BRUCE D

(Last) (First) (Middle)

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

(Street)

NEW YORK, NY 10003

(City) (State) (Zip)

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

3. Date of Earliest Transaction
(Month/Day/Year)
06/24/2009

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 & Chief Financial Officer

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)
			Code	V	Amount (1)	(A) or (D)	Price
Common Stock	06/24/2009		A		25,000	A	\$ 0
Common Stock	06/25/2009		P		12,000	A	\$ 14

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

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(9-02)

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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	06/24/2009		A	41,371	(2) 06/24/2019	Common Stock	41,371

Reporting Owners

Reporting Owner Name / Address	Relationships
DALZIEL BRUCE D C/O MEDIDATA SOLUTIONS, INC. 79 FIFTH AVENUE, 8TH FLOOR NEW YORK, NY 10003	Director 10% Owner Officer EVP & Chief Financial Officer

Signatures

/s/ Michael I. Otner,
Attorney-in-Fact
06/26/2009
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-fourth of the shares on each of June 24, 2010, June 24, 2011, June 24, 2012 and June 24, 2013.
 - (2) 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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