Shannon Daniel Patrick Form 4 February 26, 2019

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

2. Issuer Name and Ticker or Trading

OMB APPROVAL OMB 3235-0287

Number: January 31, Expires:

2005

0.5

Estimated average burden hours per

response...

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

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * Shannon Daniel Patrick

Symbol Medidata Solutions, Inc. [MDSO] 5. Relationship of Reporting Person(s) to

Issuer

(Last)

(City)

Common

Stock

(First)

(Middle)

(Zip)

3. Date of Earliest Transaction

(Month/Day/Year)

02/23/2019

(Check all applicable)

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

EVP, Global Professional Svcs.

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

> (Street) 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

Person

NEW YORK, NY 10014

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

(State)

02/23/2019

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

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

F

or Code V Amount (D) Price 1.028 D

75.47

(A)

Transaction(s) (Instr. 3 and 4)

71,653 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)

(1)

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| 1. Title of Derivative | 2. Conversion | 3. Transaction Date (Month/Day/Year) | | 4. Transacti | 5. orNumber | | Date Exercisable and spiration Date | | and of | 8. Price of Derivative | 9. Nu Deriv |
|------------------------|---|--------------------------------------|----------------------|-----------------|--|---------------------|-------------------------------------|--|-----------|------------------------|---|
| Security (Instr. 3) | or Exercise Price of Derivative Security | | any (Month/Day/Year) | Code (Instr. 8) | of (Month/Day/Year) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | | Underlying Securities (Instr. 3 and 4) | | (Instr. 5) | Secur Bene Owne Follo Repo Trans (Instr |
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title N | lumber | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Shannon Daniel Patrick C/O MEDIDATA SOLUTIONS, INC. 350 HUDSON STREET, FLOOR 9 NEW YORK, NY 10014

EVP, Global Professional Svcs.

Signatures

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

02/25/2019

**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) Shares withheld by Medidata to satisfy the tax withholding obligation in connection with the vesting of previously awarded restricted stock.

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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