Wasnington, D.C. 20549 Number:								3235-0287 January 31, 2005 Iverage	
(Print or Type Responses)									
1. Name and Address of Repo Pray Michael	Issuer Name and Ticker or Trading nbol edidata Solutions, Inc. [MDSO]				5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last) (First) C/O MEDIDATA SOLU INC., 350 HUDSON ST FLOOR	6. Date of Earliest Transaction Month/Day/Year))3/01/2019				Director 10% Owner X Officer (give title Other (specify below) below) EVP, GM Global Sales				
(Street) NEW YORK, NY 1001	Filed	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			
(City) (State)	(Zip)	able I - Non-Der	·ivative Se	curitie	es Acqu	iired, Disposed of	, or Beneficial	ly Owned	
	n Date 2A. Deemed Year) Execution Date any (Month/Day/Ye	ned 3. 4. Securit n Date, if Transaction(A) or Dis Code (Instr. 3, 4		, 4 and 5) (A)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of	
Common 03/01/2019 Stock	9		Amount 10,000	<u>,</u> 5	Price \$ 49.7	(Instr. 3 and 4) 77,134	D		
Common 03/01/2019 Stock	9	S 1	10,000		\$ 76.5	67,134	D		
Common 03/01/2019 Stock	9	S 5	5,000	D a	\$ 76.5	62,134	D		

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

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information contained in this form are not
required to respond unless the formSEC 1474
(9-02)

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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. Transactio Code (Instr. 8)	5. Number of orDerivative 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 C S (]
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Options (right to buy)	\$ 49.7	03/01/2019		М	10,000	(1)	10/14/2026	Common Stock	10,000	

Reporting Owners

Reporting Owner Name / Address	Relationships						
1	Director	10% Owner	Officer	Other			
Pray Michael C/O MEDIDATA SOLUTIONS, INC. 350 HUDSON STREET, 9TH FLOOR NEW YORK, NY 10014			EVP, GM Global Sales				
Signatures							
/s/ Michael I. Otner, Attorney-in-Fact	03/04/2	2019					

<u>**</u>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 14, 2017 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. 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.