Medidata Solutions, Inc. Form S-1MEF December 08, 2009

As filed with the Securities and Exchange Commission on December 8, 2009

Registration No. 333-

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-1

REGISTRATION STATEMENT

UNDER

THE SECURITIES ACT OF 1933

Medidata Solutions, Inc.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of 7389 (Primary Standard Industrial 13-4066508 (I.R.S. Employer

incorporation or organization)

Classification Code Number)

Identification Number)

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79 Fifth Avenue, 8th Floor

New York, New York 10003

(212) 918-1800

(Address, including zip code, and telephone number, including area code, of registrant s principal executive offices)

Tarek A. Sherif, Chief Executive Officer

79 Fifth Avenue, 8th Floor

New York, New York 10003

(212) 918-1800

(Name, address, including zip code, and telephone number, including area code, of agent for service)

With copies to:

Paul Jacobs, Esq.	Christopher J. Austin, Esq.	
Warren J. Nimetz, Esq.	Ropes & Gray LLP	
Fulbright & Jaworski L.L.P.	One International Place	
666 Fifth Avenue	Boston, MA 02110-2624	
New York, New York 10103	Telephone (617) 951-7000	
Telephone (212) 318-3000	Fax (617) 951-7050	

Fax (212) 318-3400

Approximate date of commencement of proposed sale to the public:

As soon as practicable after the effective date of this Registration Statement.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. x <u>File</u> No. 333-163235

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

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If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act.

Large accelerated filer "

Non-accelerated filer x (Do not check if a smaller reporting company)

CALCULATION OF REGISTRATION FEE

	Proposed Maximum			
Title of Each Class of	Amount to Be	Offering Price	Proposed Maximum Aggregate	Amount of
Securities to be Registered	Registered (1)(2)	Per Unit (3)	Offering Price (4)	Registration Fee
Common Stock par value \$0.01 per share	575,000	\$15.00	\$8,625,000	\$481.28

- (1) Includes 75,000 shares that the underwriters have the option to purchase to cover overallotments.
- (2) The 575,000 shares being registered under this Registration Statement are in addition to the 5,750,000 shares registered pursuant to the Registration Statement on Form S-1 (File No. 333-163235), which was declared effective on December 8, 2009.
- (3) Based on the public offering price.
- (4) In accordance with Rule 462(b) promulgated under the Securities Act of 1933, as amended, an additional amount of securities having a proposed maximum aggregate offering price of no more than 20% of the maximum aggregate offering price of the securities eligible to be sold under the related Registration Statement on Form S-1 (File No. 333-163235), as amended, is hereby registered.

This Registration Statement shall become effective immediately upon filing with the Securities and Exchange Commission in accordance with Rule 462(b) under the Securities Act of 1933, as amended.

Accelerated filer

Smaller reporting company

EXPLANATORY NOTE AND INCORPORATION BY REFERENCE

This registration statement on Form S-1 is being filed with respect to the registration of additional shares of common stock, par value \$0.01 per share, of Medidata Solutions, Inc., a Delaware corporation (the Company), pursuant to Rule 462(b) under the Securities Act of 1933, as amended. The contents of the Registration Statement on Form S-1 (File No. 333-163235) filed by the Company with the Commission on November 19, 2009, as amended on December 2, 2009, including each of the documents included therein or incorporated by reference therein and all exhibits thereto, which was declared effective by the Securities and Exchange Commission (the Commission) on December 8, 2009, are incorporated in this registration statement by reference.

The required opinions and consents are listed on an Exhibit Index attached hereto and filed herewith.

UNDERTAKING

The Company hereby certifies to the Commission that (i) it has instructed its bank to pay the Commission the filing fee set forth on the cover page of this registration statement by wire transfer of such amount to the Commission s account as soon as practicable (but no later than the close of business on December 9, 2009); (ii) it will not revoke such instruction; (iii) it has sufficient funds in the relevant account to cover the amount of such filing fee; and (iv) it will confirm receipt of such instructions by its bank during the bank s regular business hours no later than December 9, 2009.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the registrant has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of New York, State of New York, on December 8, 2009.

MEDIDATA SOLUTIONS, INC.

By:

/s/ Tarek A. Sherif Tarek A. Sherif

Chairman and Chief Executive Officer

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed by the following persons in the capacities indicated on December 8, 2009.

Signature	Title		
/s/ Tarek A. Sherif Tarek A. Sherif	Chairman, Chief Executive Officer (<i>Principal Executive Officer</i>) and Director		
/s/ BRUCE D. DALZIEL Bruce D. Dalziel	Chief Financial Officer (Principal Financial Officer)		
/s/ Cory Douglas Cory Douglas	Controller (Principal Accounting Officer)		
* Glen M. de Vries	Director		
* Carlos Dominguez	Director		
* Neil M. Kurtz, M.D.	Director		
* George McCulloch	Director		
* Peter Sobiloff	Director		
* Robert B. Taylor	Director		

* By:

/s/ TAREK A. SHERIF Tarek A. Sherif

Attorney-in-Fact

EXHIBIT INDEX

Exhibit

No. Description

- 5.1 Opinion of Fulbright & Jaworski L.L.P.
- 23.1 Consent of Fulbright & Jaworski L.L.P. (included in Exhibit 5.1).
- 23.2 Consent of Deloitte & Touche LLP.
- 23.3 Consent of Deloitte & Touche LLP.
- 24.1 * Power of Attorney of Tarek A. Sherif.
- 24.2 * Power of Attorney of Bruce D. Dalziel.
- 24.3 * Power of Attorney of Cory Douglas.
- 24.4 * Power of Attorney of Glen M. de Vries.
- 24.5 * Power of Attorney of Carlos Dominguez.
- 24.6 * Power of Attorney of Neil M. Kurtz, M.D.
- 24.7 * Power of Attorney of George McCulloch.
- 24.8 * Power of Attorney of Peter Sobiloff.
- 24.9 * Power of Attorney of Robert B. Taylor.
- * Incorporated by reference to the same numbered exhibit to Medidata Solutions, Inc. s Registration Statement on Form S-1 (SEC File No. 333-163235) filed on November 19, 2009.