



DIVISION OF  
CORPORATION FINANCE

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

October 15, 2018

Rouven Bergmann  
Chief Financial Officer  
Medidata Solutions, Inc.  
350 Hudson Street  
9th Floor  
New York, NY 10014

**Re: Medidata Solutions, Inc.**  
**Form 10-K for the Year Ended December 21, 2017**  
**Filed February 28, 2018**  
**Form 10-Q for the Quarter Ended March 31, 2018**  
**Filed May 4, 2018**  
**File No. 001-34387**

Dear Mr. Bergmann:

We have completed our review of your filings. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Sincerely,

Division of Corporation Finance  
Office of Information Technologies  
and Services

cc: Randy Rasmussen