

Subject: Spectre and Meltdown

The security of our customers information is of paramount importance to Medidata. In this spirit, we wanted to share some recent information and is related to our ongoing efforts in providing scalable, stable and secure services to our customers and the patients they support.

During the first two weeks of January 2018, a pair of vulnerabilities were disclosed by a number of security researchers, who tagged them as “Spectre” and “Meltdown”.

Specifically, these are flaws in the processors that account for almost all data processing in the world. These flaws can be theoretically compromised using a very specific set of techniques.

There is an excellent and detailed analysis of these attacks at <https://spectreattack.com>.

We are taking a proactive, risk-based approach to evaluating and updating our systems. Updates have already been applied; more updates will be tested and deployed as they become available.

Medidata has a rich, robust and state-of-the-art set of Information Security controls, including segregated environments, at-rest and in-transit encryption, multi-factor authentication, secure keys, tight SDLC and many other components to protect our systems.

Managing this environment are dedicated teams staffed 24X7X365 by best of breed, certified security analysts whose credentials meet or surpass industry standards using a military-grade SEIM system to monitor all aspect of the environment.

All of these controls help provide an effective barrier between malintended individuals and your data. These systems and controls are audited annually both internally and by multiple third parties including PriceWaterHouseCoopers, DQS, Coalfire and Optiv.

It is important to note that there is no evidence that any weaponized attack has been delivered that takes advantage of these vulnerabilities.

Details of our control regime can be found at <http://www.mdsol.com/security-certifications>.

In the meantime, if you have any questions comments or concerns, please contact our Medidata team at: helpdesk@mdsol.com.

Thank you again for your ongoing partnership with Medidata.