

## Rave Coder introduces enhancements enabling greater flexibility, increased precision, and reduced cycle times

Medidata is proud to announce enhanced revolutionary technology to reduce your organization's coding cycle times. Combined with the power of Medidata Rave, Medidata has introduced Coding Suggestions into Rave Coder.

To generate coding suggestions, Medidata has incorporated statistical analysis, natural language processing and machine learning in Rave Coder. Additionally, Rave Coder tracks usage statistics to quantify the impact of the feature and improve the suggestions algorithm.

### EXPERIENCE TRUE STUDY AGILITY

As sponsors strive to realize greater ROI, clinical trials are increasingly faced with changing requirements and priorities. Traditional coding systems were designed to import/export data, upload dictionaries and create reports that would list issues between EDC and Coder. Workflows were very cumbersome, involving various stakeholder such as DM, Coding, and Medical Monitors, and in most cases, introduced error in operational and quality management. Additionally, disparate systems were used and data reconciliation occurred frequently to ensure that data between the disparate sources match one another. Query volumes increased while the burden around maintaining the process work flows increase.

Rave Coder changes the landscape of how coding works, creating a system that works directly with Rave EDC. Rave EDC marks the verbatim on the form as "Requires Coder Coding" and transmits the term to Rave Coder for a coding decision. When Rave Coder returns a coding decision to Classic Rave EDC, the verbatim on the form automatically updates with the Rave Coder response information. Data is entered once in EDC, and through coding configurations, pre-defined data is then coded in accordance with the configuration. Adverse events or concomitant medications requiring manual coding are automatically flagged in the Rave EDC system making the process work flow more efficient.



Medidata has achieved up to 98% coding accuracy across 2,000 clinical trials when suggesting terms for adverse events and concomitant medications.



Rave Coder reduces manual coding time by 50%, a reduction of 26 seconds per manually coded term.

### A Complete Clinical Trial Solution

Rich features extend from design through operation

- Pre-validated coding components
- Ability to code in real-time
- Ability to use synonym lists
- Fast implementation to better meet the critical path timeline
- Coding suggestions
- Artificial Intelligence
- Natural Language Processing
- Self-generating specification documents and full audit trail
- Increase savings by streamlining workflow and improving coding accuracy

## RAVE CODER ENHANCEMENTS

- **Coding Suggestions and Algorithms** — Medidata has developed an algorithmic suggestion service for Adverse Events and Concomitant Medications coded using the MedDRA and WHODrug dictionaries respectively. Rave Coder displays suggestions for tasks awaiting manual coding. When viewing suggestions, coding specialists can view suggested coding decisions and elect to accept a suggestion or manually search for another. Coding Suggestions are available for all versions of WHODrug B3 format dictionaries.
- **Natural Learning Processing** — Rave Coder takes entered terms and maps to the standard coded terms. It “learns” from the various entries what the mapping should look like and determines how the terms should be coded.
- **Artificial Intelligence** — Addresses the analogous problem of assigning verbatim for adverse events and concomitant medications to standard terms in the MedDRA and WHODrug dictionary, respectively.

## CODING SOLUTION

Rave Coder is built on the Medidata Rave Clinical Cloud’s unified platform, which enables a single source of truth for all study-related data across your entire portfolio. This ensures that the right treatment is delivered to the right patient at the right time automatically eliminating the need for multiple data entry. This can be accomplished because once data is entered, the platform masters and populates it throughout the end-to-end suite of Rave applications.

The flexibility of Rave Coder provides for real-time parameter settings to code adverse events, medical history events, and concomitant medications. It combines coding suggestions, natural language processing, and artificial intelligence to provide coding accuracy and consistency, driving greater efficiency and streamlines work flows for sites and end users alike.

## The Platform of Choice for Clinical Research

The Medidata Rave Clinical Cloud is the cutting-edge platform that transforms the clinical trial experience for patients, sponsors, CROs, and research sites. Designed with a unified data platform, the Medidata Rave Clinical Cloud creates a single source of truth for all study-related data. Simply put, enter data once and let the platform master and populate it throughout the end-to-end suite of Rave applications. Optimize operational execution, decrease the data entry and maintenance burden, and reduce the number of clinical systems across your study teams. Throw away your list of passwords, you are now on a truly unified platform.

## About Medidata

Medidata is leading the digital transformation of life sciences, creating hope for millions of patients. Medidata helps generate the evidence and insights to help pharmaceutical, biotech, medical device and diagnostics companies, and academic researchers accelerate value, minimize risk, and optimize outcomes. More than one million registered users across 1,400 customers and partners access the world’s most-used platform for clinical development, commercial, and real-world data.

Medidata, a Dassault Systèmes company (Euronext Paris: #13065, DSY.PA), is headquartered in New York City and has offices around the world to meet the needs of its customers.

Discover more at [www.medidata.com](http://www.medidata.com) and follow us @medidata, The Operating System for Life Sciences™.

**info@medidata.com |**  
**+1 866 515 6044**