

## Edit Check Testing, automated

TrialGrid creates tests for your Edit Checks, runs them and collects documented evidence of the results.

## Manually Testing Edit Checks

Testing Edit Check and Derivation logic is time-consuming, error prone manual work. Creating test values requires understanding of the Check to be tested and attention to detail in documenting the data entry steps. Executing the steps requires the tester to log into Medidata Rave EDC, create subjects, enter data and document the pass/fail of each step. It's easy to make a mistake in the test data or in the execution and testing can take hours or even days of work.

## Automating the Testing Process

TrialGrid Automated User Acceptance Testing (UAT) manages each step of the testing process. Tests can be created manually using the Test Case editor or generated directly from Edit Checks.

```

1  @EditCheck:DM002
2
3
4  Feature: Test Edit Check DM002
5
6  Background:
7  Given I am logged in with role "Investigator"
8  And a subject exists
9
10 Scenario: Check Actions are run
11 When I enter data:
12   | DataPoint | Value |
13   | SCREEN_DM_RACE[0] | AMERICAN INDIAN OR ALASKA NATIVE |
14   | SCREEN_DM_RACE0TH[0] | OTHER |
15
16 Then I should see the following query on "SCREEN_DM_RACE0TH[0]"
17   ===
18   Race is not Other and Specify Other Race is provided. Please review and correct.
19   ===
  
```

Tests are human-readable and the editor checks that field and query references are correct.

Tests can be added and values adjusted simply by editing the test text.

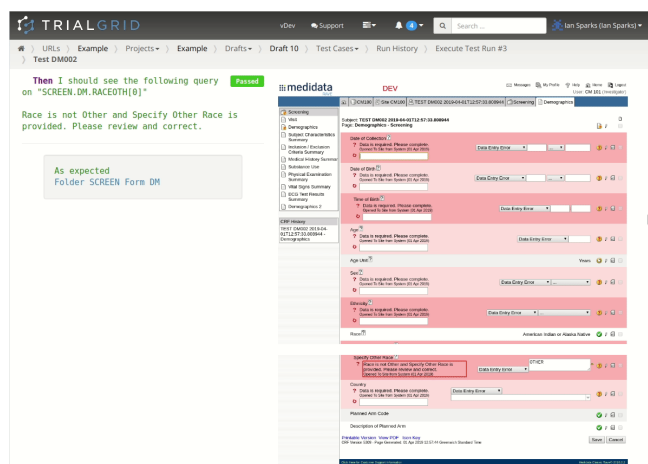
One or more tests can then be run in a single test job.

The UAT system reads the tests and enters the data into Medidata Rave.

Expected values are checked and each step is marked pass or fail – exactly as a human tester would.

Screenshots are collected direct from Rave as evidence of testing and packaged into PDF results. Archives of all test result PDFs may be downloaded from the system.

All UAT actions are fully automated and run unattended saving hours of manual work.



## About TrialGrid

TrialGrid was founded in 2016 by Andrew Newbigging and Ian Sparks, Medidata veterans each with more than 20 years experience building software applications for clinical trials. In early 2017 Steve Heath joined as Chief Commercial Officer after a 13 year career at Medidata and over 30 years selling in the technology and life sciences space.

## Medidata Rave® Focused

TrialGrid empowers Data Managers and Clinical Programmers to build better Medidata Rave studies, faster and with assured quality. Our goal is to reduce study build time by more than 50%.

## Generating Tests

The TrialGrid UAT module examines each Edit Check as a logic problem and generates test data which will make the Edit Check fire.

## Rave EDC and Classic

Whether you are using Rave EDC or Rave Classic, TrialGrid UAT can take screenshots and provide testing evidence as a PDF.

## Contact

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