



6.6.3 Testing Rules in Rule Designer

Testing a New Rule in Rule Designer

OpenClinica Rule Designer offers an easy interface to test the rules so that you will be able to instantaneously observe the simulation of the rule that you just created on CRF Items. The Test tab serves as a "mock-up" of rules if it were to be deployed on actual CRF Items. Based on the outcome of the test, you can determine if further changes to the rule are necessary.

1. In order to test a rule, you must ensure that your rule is valid. Refer to Building a New Rule in Rule Designer section for more information. Once complete, access the Test tab on the center pane.
2. Initially, you will notice that there will be only 2 tabs displayed on the Test tab. The upper tab contains the information pertaining to the action you selected on the Designer tab. The bottom tab contains data fields for the impacted CRF items. You can modify the input variables on this tab as desired.
3. Modify the input parameters of the impacted CRF Items. Once complete, click "Test"
4. Once run, there will be an additional tab displayed on the bottom of the second tab named "Verify Results". This tab contains the outcome of the test if the rule were to be deployed as is in OpenClinica. You can evaluate the result and determine if you need to commit further edits on the rule. You can also modify the input variables from step 2 and rerun the test again as many times as possible.

The screenshot shows the 'RULE DESIGNER' interface with the 'Test' tab selected. The interface displays the following information:

- Target: I_DEMOG_SCD_ITEM3
- Rule OID: RD_9
- Rule Expression: I_DEMOG_SCD_ITEM3 eq I_DEMOG_NONSCD_ITEM4 + 3

Below this information is a 'Discrepancy Note Action' section with the following details:

- Evaluates to: true
- Message: Not applicable entry
- Specify the mode where this action should run:

Admin data entry	Initial data entry	Double data entry	Batch
true	true	true	true

Below the discrepancy note action is a section titled 'Step 2: Specify test values for variables in your rule expression' with the following input fields:

- I_DEMOG_SCD_ITEM3: Male - 1 (dropdown menu)
- I_DEMOG_NONSCD_ITEM4: 1 (text input field)

A 'Test' button is located in the bottom right corner of the interface.

The Test tab before the rule is executed. Note that there are only 2 tabs available.

RULE DESIGNER

Designer XML **Test** Test

Target: L_DEMOG_SCD_ITEM3
Rule OID: RD_9
Rule Expression: L_DEMOG_SCD_ITEM3 eq L_DEMOG_NONSCD_ITEM4 + 3

Discrepancy Note Action +

Evaluates to: true
Message: Not applicable entry

Specify the mode where this action should run

Admin data entry	Initial data entry	Double data entry	Batch
true	true	true	true

Step 2: Specify test values for variables in your rule expression

L_DEMOG_SCD_ITEM3: Male - 1
L_DEMOG_NONSCD_ITEM4: 1

Step 3: Verify results

Expression Evaluates To: false
Actions Fired: N
Rule Validation: Rule Valid

Test

The Test tab is displayed after the rule is executed (tested) for the first time. Note that "Verify Results" tab is now displayed.

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