

New Features in RippleDown: Version 7.4

This document focuses on New Features in RippleDown.



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## **Knowledge Builder**

Below is a list of what is new in the Knowledge Builder for the latest release of RippleDown<sup>®</sup>.

## **Editing of Rules**

Knowledge builders are now able to edit rule conditions from the Project Explorer.

Search for cases	
<b>२</b> न Type here to filter the tree	Added Comment, 25 Oct 12 16:12, admin
Added Comment, 08 Nov 12 13:17, admin Removed Feature, 08 Nov 12 13:14, admin Added Autovalidation, 06 Nov 12 16:30, admin Disabled Report Section, 06 Nov 12 16:29, admin Disabled Report Section, 06 Nov 12 16:29, admin Added Report Section, 06 Nov 12 16:28, admin Added Feature, 06 Nov 12 16:28, admin Replaced Comment, 06 Nov 12 16:15, admin	Search for cases Edit Conditions
Added Comment, 06 Nov 12 16:07, admin Removed Comment, 06 Nov 12 16:05, admin Added Comment, 06 Nov 12 15:54, admin Added Comment, 06 Nov 12 15:41, admin Removed Comment, 06 Nov 12 15:21, admin Added Comment, 25 Oct 12 16:15, admin Added Comment, 25 Oct 12 16:107, admin Added Comment, 25 Oct 12 15:58, admin Added Comment, 25 Oct 12 15:58, admin Added Comment, 25 Oct 12 15:53, admin Added Comment, 25 Oct 12 15:33, admin Added Comment, 25 Oct 12 15:33, admin Added Feature, 25 Oct 12 15:25, admin Added Feature, 25 Oct 12 15:21, admin Added Feature, 25 Oct 12 15:25, admin Added Comment, 25 Oct 12 15:08, admin	Added Comment If patient has fasted 9 to 12 hours prior to performing lipid studies, increased chylomicrons may be due to a defect in lipoprotein lipase activity. in report section Comments: Objective Report sections - Current Episode - C2 User admin Date 25 Oct 12 16:12

Firstly, the user needs to locate the Rule Session concerning the rule that they wish to edit, which can be facilitated by using the search bar at the top left hand side of the Project Explorer. Once located, by right clicking on the conditions the user can select to edit these conditions. The following window will appear, giving you the option to add, remove or edit the conditions.



#### Before Edit.

Conditions	Lipid_Cat_C2	Add
		/ Edit
		<b>X</b> emove
Cornerston	es: 0 Show	
Corporcton	es: 0 Show	

After Edit.

Conditions	Fasted_specimen is true	🕂 Add
	Lipid_Cat_C2	<u>/</u> Edit
		<b>R</b> emove
Cornerston	es: 5 <u>S</u> how <b>4</b>	

The user now should review the cornerstone cases that would have a different interpretation following this rule edit, by selecting 'show...'

There are three different tabs available to review the cornerstones impacted by this rule change. The first tab shows the cornerstone case in its original form prior to the edit, the second, how it would be interpreted under the new rule conditions, and a comparison tab highlighting the differences in the case before and after the rule was edited. These views can be seen in the following screen shots:



#### Cornerstone before edit.

. Cornerstone Before Chai	nge 2. Corners	tone After Change	3. Difference	s			
5575524 Sex F					P		
	Range	14 Nov 06 00:00	04 Sep 07 00:00			) Mar 08 ):00	
Lipid Lowering The		false	false	false			
Cholesterol	< 5.5	3.3	3.3	3.4			
HDL chol	1.0-2.2	0.8*	0.9*	0.8*			
Delta_TEST1				true			
u testmergedattribute	10.00-22.00	8.00*	9.00*	8.00*			
LDL chol		1.0	1.0	0.5			
LDL Inferences							
Triglycerides	03-20	2.7*	3.1*	4.6*			
TG Inferences				the second se			
Total Chol HDL Ratio		3.8	3.7	42			
	30-110	59	68	58			
ALP							
	0-55	41	30	31			
ALP ALT alculated LDL is unrel asted 9 to 12 hours pr ipoprotein lipase acti	0-55 iable when trig ior to perform:	dlyceride levels e	exceed 4.4 mmol	L/L and is not r			>
ALT	0-55 iable when trig ior to perform:	dlyceride levels e	exceed 4.4 mmol	L/L and is not r			3
ALT alculated LDL is unrel asted 9 to 12 hours pr	0-55 iable when tri; ior to perform: vity.	dlyceride levels e	exceed 4.4 mmoi increased chy	L/L and is not r	e due to a d		2
ALT alculated LDL is unrel asted 9 to 12 hours pr ipoprotein lipase acti	0-55 iable when tri; ior to perform: vity.	plyceride levels e ing lipid studies,	exceed 4.4 mmo: increased chy	L/L and is not r (lomicrons may b	e due to a d Dat	efect in	

### Cornerstone after edit

. Cornerstone Before Char	nge 2. Corner	stone After Chang	e 3. Differen	ces		
15575524 Sex F					P	
	Range	24 Jan 06 00:00	14 Nov 06 00:00	04 Sep 07 00:00		19 M 00:00
Lipid_Lowering_The		false	false	false	false	
Cholesterol	< 5.5	3.0	3.3	3.3	3.4	
HDL chol	1.0-2.2	0.7*	0.8*	0.9*	0.8*	
Delta TEST1			0.00	4582	true	
u testmergedattribute	10.00-22.00	7.00*	8.00*	9.00*	8.00*	
LDL chol		0.9	1.0	1.0	0.5	
LDL Inferences						
Triglycerides	0.3-2.0	4.0*	2.7*	3.1*	4.6*	
	0.5-2.0		And the second s	and a second	4.0	
	0.5-2.0	false	false	false	false	
TG_Inferences TG_Cut_Off_0 TG_Cut_Off_1 TG_Cut_Off_1		<	false true	false true	false false	>
TG_Inferences		<	false true	false true	false false	>
TG_Inferences TG_Cut_Off_0 TG_Cut_Off_1	iable when tri	glyceride levels	false true exceed 4.4 m	false true mol/L and is no	false false	a Items



#### Differences view

Cornerstone Before Change 2. Cornerstone A	fter Change	3. Differences
• • • •		
Cornerstone Before Change		2. Cornerstone After Change
Low HDL	95	95 Low_HDL
• Lo_HDL is true	96	96 • Lo_HDL is true
	97	97
[DERIVED FEATURES]	98	98 [DERIVED FEATURES]
HighRisk	99	99 HighRisk
• Age 60	100	100 • Age 60
• Diabetes	101	101 • Diabetes
Cat C2 General	102	102 Cat C2 General
<ul> <li>Fasted specimen is not true</li> </ul>	103	103 • Fasted specimen is not true
• Lipid Cat C2 is true	104	104 • Lipid Cat C2 is true
	105	105
[PREVIEW]	106	106 [PREVIEW]
Calculated LDL is unreliable when trigly	ceride 107	107 Calculated LDL is unreliable when triglyceride
	108	108
[COMMENTS]	109	109 [COMMENTS]
Comments:	110	110 Comments:
• Calculated LDL is unreliable when tr	iglycer 111	111 • Calculated LDL is unreliable when triglycer
• TG Cut Off 3	112	112 • TG Cut Off 3
• If patient has fasted 9 to 12 hours 1	prior t113	113 Recommendations:
• Lipid Cat C2	114	114 Therapeutic Guidelines
Recommendations:	115	115 Internal
Therapeutic Guidelines	116	116
Internal	117	117 [REPORT ITEMS]
	118	118 datasource
[REPORT ITEMS]	119	119
datasource	120	×
< C	>	
hanges		Changed Inserted Deleted
		Previous     Previous     Next     Close     A

Please note that this differences view is also available in the rule wizard for cornerstone checking.

Any rule session that is edited is recorded as "edited" in the project explorer and all details of these edits can be tracked in the corresponding update entries in the audit trail. The audit trail provides the facility to compare the current edit with previous versions of the rule.



## Audit Trail

Rules, Case Free Rules and Comments have now also been incorporated into the audit trail which already tracked changes for primary attributes and derived attributes.

		* End date	23 Sep 2016	
Date	User	Name	Туре	
23 Sep 20	admin	Removed Co	Rule	Action:Update Rule:Removed Comment
23 SC Compa	re with previ	ous version	Rule	Original:
23 Se			Text attrib	Comment: This patient is eligible under the PBS to comme
23 Sep 20	admin	TEXT_TEST1	Text attrib	In report section: Therapeutic Guidelines
23 Sep 20	admin	TEXT_TEST1	Text attrib	in report section:inerapeutic Guidelines
23 Sep 20	admin	Hx_CHD	Text attrib	Replacement:
23 Sep 20	admin	Hx_CHD	Text attrib	Comment: This patient is eligible under the PBS to comme
15 Sep 20	admin	Removed De	Rule	In report section:Therapeutic Guidelines
15 Sep 20	admin	Added Feature	Rule	
15 Sep 20	admin	TEXT_TEST1	Text attrib	Objective:Derived features for PBS eligibility Conditions:[
15 Sep 20	admin	Female_High	Numeric r	Age years < 40
15 Sep 20	admin	Hx_CHD	Text attrib	doctor.gp contains "N"
	admin	LOCATIONN	Primary att	Linid Lowering Therany is true

When reviewing in the Audit Trail, the user can compare an entry with previous entries for that item, by right clicking on the entry and selecting 'Compare with previous'.

on: 2, admin, 23 Sep 2016 09:10			Versi	ion: 4, admin, 23 Sep 2016 09:37
	1		1	
Action:Update	2		2	Action:Update
Rule:Removed Comment	3		3	Rule:Removed Comment
Original:	4		4	Original:
Comment: This patient is eligible under the PBS	5 5		5	Comment: This patient is eligible under the PBS
In report section:Therapeutic Guidelines	6		6	In report section:Therapeutic Guidelines
	7		7	
Replacement:	8		8	Replacement:
Comment: This patient is eligible under the PBS	5 9		9	Comment: This patient is eligible under the PBS
In report section:Therapeutic Guidelines	10		10	In report section: Therapeutic Guidelines
	11		11	
Objective:Derived features for PBS eligibility	12		12	Objective:Derived features for PBS eligibility
Conditions: [	13		13	Conditions: [
doctor.gp contains "N"	14	1	14	Age_years < 35
Lipid_Lowering_Therapy is true	15		15	doctor.gp contains "N"
1	16		16	Lipid_Lowering_Therapy is true
	17		17	1
			18	
	i and		F	1

All edit versions for that item (rule, attribute etc) will be available and can be navigated through using the left and right arrows in the upper left hand corner.