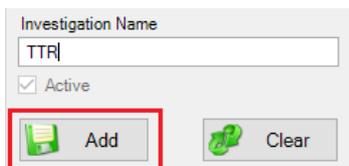


The TTR (Time in Therapeutic Range) calculator sends the patient's last 4 INRs to the Primary Care HRB (Health Research Board) Centre in the Royal College of Surgeons (RCSI) who apply the Rosendaal method to the data & send back the TTR Score immediately to the Socrates Investigation. No patient identifiable data is sent to the HRB. For queries, please email kevinoflanagan@rcsi.ie

Configuration

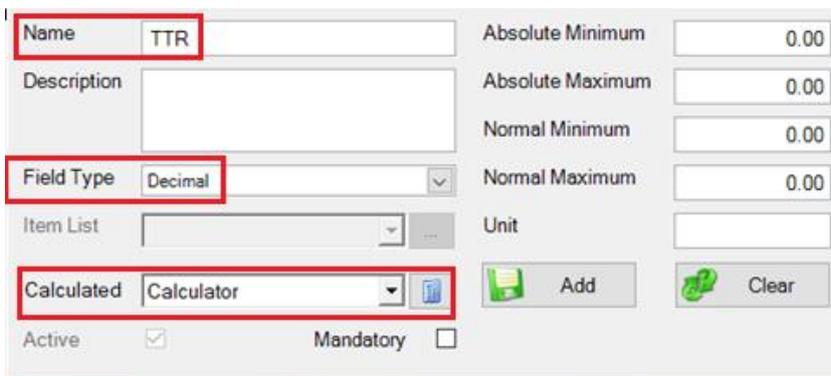
The TTR calculator must be configured in [Control Panel > Admin Console > Investigations](#).

1. Create a new Investigation called TTR and click **Add**.



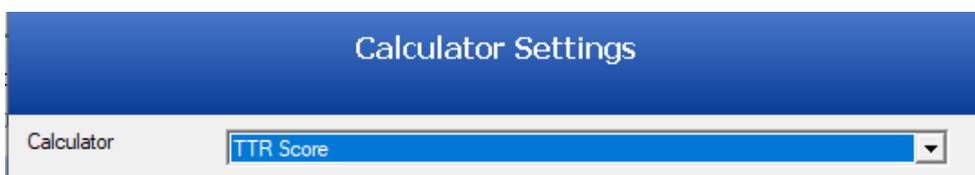
Investigation Name
TTR
 Active
Add Clear

2. Add an Investigation Item with name 'TTR' with Field Type 'Decimal', select **Calculator** from the Calculated field dropdown list, and click the calculator icon .



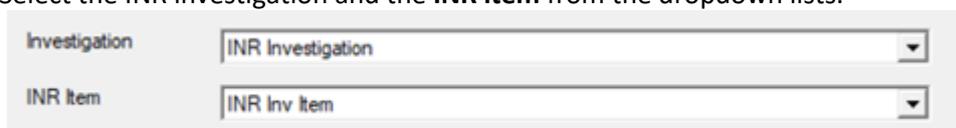
Name TTR
Description
Field Type Decimal
Item List
Calculated Calculator
Absolute Minimum 0.00
Absolute Maximum 0.00
Normal Minimum 0.00
Normal Maximum 0.00
Unit
Add Clear
Active Mandatory

3. Select **TTR Score** from the Calculator dropdown list.



Calculator Settings
Calculator TTR Score

Select the INR investigation and the **INR item** from the dropdown lists.



Investigation INR Investigation
INR Item INR Inv Item

Click **Register Account**. A webpage will open for you to register for an account. Enter the username and password you receive after signing up and click **Save**.

Use TTR Calculator

Open the patient's consultation, begin consultation, and navigate to Investigations. Add the TTR investigation.

Date	Name	Status	Ab	HCP
12/03/2018	INR	Complete	<input type="checkbox"/>	Paul Johnson
12/03/2017	INR	Complete	<input type="checkbox"/>	Paul Johnson
12/10/2016	INR	Complete	<input type="checkbox"/>	Paul Johnson
12/03/2016	INR	Complete	<input type="checkbox"/>	Paul Johnson

Double click to open the TTR Investigation.

Date	Name	Status	Ab	HCP
12/03/2018	TTR	Awaiting	<input type="checkbox"/>	Paul Johnson

Click the Calculator icon to open the TTR Calculator.

Date	Local Item	Result	Unit	Range
12/03/2018	TTR			

Enter the Start and End Range and click the **Calculate** button.

TTR Calculator

Start Range	<input type="text" value="2"/>	End Range	<input type="text" value="3"/>	<input type="button" value="Calculate"/>
Start Date	2018-01-07	Days in Range	4.2	
End Date	2018-01-28	Total Days	21	
Total Number of Tests	3	TTR Percentage	20.0	

Date	InrResult
28/01/2018	3.2
14/01/2018	3.6
07/01/2018	2.1

[View Disclaimer of Warranty](#)

Click **Save** to record the TTR in the patient's chart.

Select the TTR Investigation to view the details.

The screenshot shows a patient's medical record for 'TTR_Test' (ad1, ad2). The patient is a male born on 01/01/1980 (38 yr 2 m), with a private insurance status. The record shows an investigation for 'TTR' on 12/03/2018, with a status of 'Awaiting'. A 'Result Reader' window is open, displaying a 'TTR Result' of 100.0. A 'Note' section provides details: Days in Range: 730.0, Total days: 730, Start Date: 2016-03-12, End Date: 2018-03-12, and Total number of tests: 4. The 'Abnormal' checkbox is checked.