



2018/19

RCEM audit and QIP User Guide

A guide for users of the RCEM online clinical audit and QIP system

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Introduction

The Royal College of Emergency Medicine (RCEM) is excited to let you know about some brilliant upgrades to our clinical audit programme for this year. Quality Improvement (QI) is becoming ever more established in emergency medicine, and we are so proud of you being part of the specialty leading the way and embracing better care for patients.

To better support you in your QI journey RCEM are moving away from the traditional clinical audit model of simply collecting and reporting data, and towards a national quality improvement programme (QIP).

Just like always, we will be running three topics of vital importance to emergency medicine:

- Feverish Child
- Vital Signs in Adults
- VTE Risk in Lower Limb Immobilisation

However, rather than waiting until next spring to see how your ED is performing on these topics you'll know as soon as you've entered the data. Not only that, but you'll be able to see much more detail how your performance changes over the whole data collection period and what impact your quality improvement initiatives are having.

What is changing

We have made several improvements to support you to take greater control of your data and use it for effective local quality improvement. Here are some of the new features you can look forward to:

- New dashboard showing real-time data for your ED
- Track how your data changes over weeks and months on SPC charts
- Quality improvement features built in
- Record PDSA cycles and they will automatically be annotated on your charts, so you can see how effective they have been
- Choose who to compare your EDs data to; initial options will include your Trust, your Country or the whole UK
- Better user interface
- Better data validation
- Faster data entry
- Data mapped to ECDS for easier patient identification and extraction from your system

Quick links

This is a handy collection of the most popular links.

- [Online registration form](#)
- [Information about the audits](#)
- [Contact the College](#)

Getting started – registration and logging in

This section applies to audit leads and department administrators only (i.e. the individuals named on the registration form submitted to the College).

To see whether your ED has registered, [click here](#).

1. Registration and access

Emergency Departments (EDs) are required to register with the College to access the audit website. If your Trust has **not yet registered**, please complete the online registration form by clicking on [online registration form](#).

Please note, to successfully complete the online audit registration process, Trusts are required to attach a copy of the purchase order and submit this in one visit. If you have any issues, please contact audit@rcem.ac.uk.

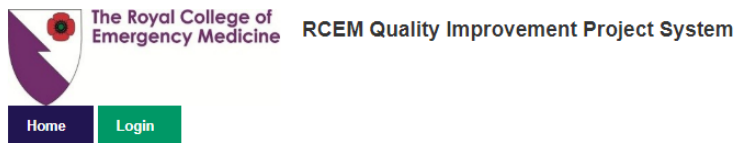
2. Site URL

<https://audit.rcem.ac.uk>

The audit and QIP system was developed in partnership with Net Solving Ltd.

3. Terms of agreement

To progress to the login page, users are required to confirm that they understand and accept the terms and conditions by clicking on the 'I accept' at the bottom of the page.



Terms of agreement

The Terms Of Agreement must be accepted before proceeding:

Key points

- You will maintain confidentiality of username and password and assume responsibility for all activities that occur under your username and password.
- You will verify contents obtained from the site with the official patient medical record before making medical decisions.
- The Royal College of Emergency Medicine makes no express or implied warranties with regard to the content or reports from the site.

1. Acceptance of Terms

RCEM Quality Improvement Project System ("Royal College of Emergency Medicine", "RCEM", "QIPS", "Quality Improvement Project System", "we", "us" or "our") provides access www.rcemqips.com (the "Site") subject to your acceptance of these Terms. These Terms may be updated by the Cystic Fibrosis Trust from time to time without prior notice.

By accessing, browsing, entering data or otherwise accessing the Site, you become a User and assert that you have read and understand and agree to be bound by the terms of this Agreement. If you have any questions about this Disclaimer, please contact us at audit@rcem.ac.uk.

2. Your Account Obligations

You are responsible for maintaining the confidentiality of your username and your chosen password, and for all activities that occur under your username and password. You agree immediately to notify us of any unauthorised use of your username or password or any other breach of security.

3. Disclaimers

The medical data and other contents of the Site ("Contents") were furnished by and entered into the Quality Improvement Project System by third parties with the permission of the RCEM and are presented for informational purposes only.

Content contained within or reported by the Quality Improvement Project System does not supersede the official patient medical record. The RCEM makes no representations, warranties, or assurances as to the accuracy, currency or completeness of the Content provided.

You accept the responsibility to verify any contents obtained from the site. Contents should be verified with the official patient medical record before making medical decisions. You should not rely on anything contained on this site to suggest a course of treatment for any medical condition. Contents do not substitute for review of an individual's medical record and consultation with a physical or other qualified health provider.

4. No warranties

The RCEM does not make any express or implied warranties, presentations, or endorsements whatsoever (including, but not limited to, warranties of title or non-infringement, or the implied warranties of merchantability or fitness for a particular purpose) with regard to the site, the content, any reports provided through the site, and the RCEM shall not be liable for any cost or damage arising either directly or indirectly from any content or use of the site. It is solely your responsibility to evaluate the reliability, accuracy, timeliness, completeness or usefulness of all services and content provided through the site. The RCEM does not warrant that the site will be uninterrupted or error-free or that defect in the site will be corrected. The site and the content made available on the site are provided on an 'as is' and 'as available' basis.

4. Logging in

After you have accepted the terms and conditions, please enter:

- your username (this is your e-mail address)
- your password.

Login

Please enter your login details...

Username:

Password:

Login

Need to set your password or forgotten your password? [click here](#)

If you are experiencing problems logging in, please contact the RCEM audit team.

Email: audit@rcem.ac.uk

Telephone: 020 7400 6108

5. Creating a password

Users

Users named on the registration form will receive an e-mail with a link to set a password:

- Clicking on the link in the e-mail will lead to the 'Request password reset' page, where the username (e-mail address) should be entered to generate a password reset link, which will be sent to the respective email account

Request password reset

Need to reset your password?

Username

Email password reset link

Forgot your user name? Please contact RCEM audit team:

Email: audit@rcem.ac.uk

Telephone: 020 7400 6108

Users who have moved to a different organisation

If you have moved to a different organisation and been included, please contact the [College administrators](#), who can either re-assign your account or create a new one for you.

Getting started – activating the audit and managing your account

This section is for Department Admins.

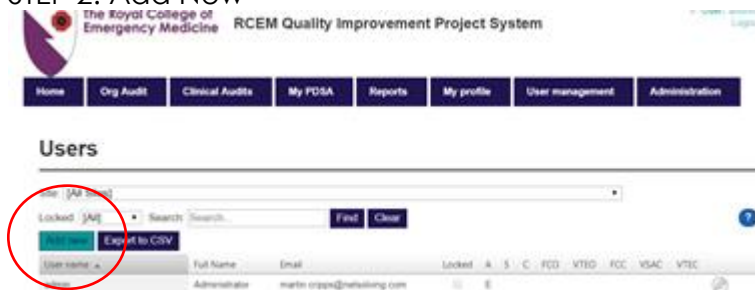
Creating & managing user accounts

Department Admin users can create additional user accounts for their ED(s). To do this you must know their e-mail addresses and full names.

STEP 1. Click User Management

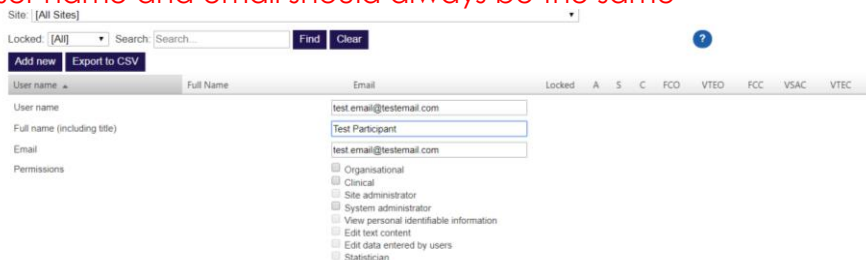


STEP 2: Add New



STEP 3: Input Username, Full name and Email

User name and email should always be the same



STEP 4: Check the exact following boxes to permit access to each audit

Site: [All Sites]

Locked: [All] Search: Search... Find Clear

Add new Export to CSV

User name	Full Name	Email	Locked	A	S	C	FCI
User name		test_email@testemail.com					
Full name (including title)	Test Participant						
Email	test_email@testemail.com						
Permissions	<input checked="" type="checkbox"/> Organisational <input checked="" type="checkbox"/> Clinical <input type="checkbox"/> Site administrator <input type="checkbox"/> System administrator <input type="checkbox"/> View personal identifiable information <input type="checkbox"/> Edit text content <input type="checkbox"/> Edit question text <input type="checkbox"/> Edit data entered by users <input type="checkbox"/> Statistician						
Feverish Child Organisational permissions	<input checked="" type="checkbox"/> Feverish_Child_Org Sites <input type="checkbox"/> Feverish_Child_Org Site Admin <input type="checkbox"/> Feverish_Child_Org Site User						
VTE Organisational permissions	<input checked="" type="checkbox"/> VTE_Org Sites <input type="checkbox"/> VTE_Org Site Admin <input type="checkbox"/> VTE_Org Site User						
Feverish Child Clinical permissions	<input checked="" type="checkbox"/> Feverish_Child_Clin Sites <input type="checkbox"/> Feverish_Child_Clin Site Admin <input type="checkbox"/> Feverish_Child_Clin Site User						
Vital Signs Adult Clinical permissions	<input checked="" type="checkbox"/> Vital Signs Adult Clinical Sites <input type="checkbox"/> Vital Signs Adult Clinical Site Admin <input type="checkbox"/> Vital Signs Adult Clinical Site User						
VTE Clinical permissions	<input checked="" type="checkbox"/> VTE Clinical Sites <input type="checkbox"/> VTE Clinical Site Admin <input type="checkbox"/> VTE Clinical Site User						

STEP 5: select "USER" in all the boxes under the audits for the relevant site.

Feverish Child Org Role	VTE Org Role	Feverish Child Clin Role	Vital Signs Clin Role	VTE Clin Role
Feverish Child Org User	VTE Org User	Feverish Child Clin User	Vital Signs User	VTE Clin User
No access	No access	No access	No access	No access
No access	No access	No access	No access	No access
No access	No access	No access	No access	No access
No access	No access	No access	No access	No access

STEP 6: Click Insert



STEP 7: Inform new user that an account has been created. The new user will need to [Request password reset](#) to set a new password.

Entering data

This section explains how users can enter data for each audit.

Staff who want to enter data must ask their audit lead to set up an account for them (who will complete the steps outlined in the previous section). You will need to tell the audit lead your e-mail address.

Once an account is created for you, you will receive an automatic e-mail entitled 'Welcome to RCEM Audits'.

Clicking on the hyperlink in the e-mail will take you to the audit and QIP website, where you will be asked to select a password

Enter a password and then enter again to confirm.
Press 'continue' to complete setting your password.

Click on the 'log-in' icon at the top-right of the page and enter:

- your username (which is your e-mail address) and
- your password.

IMPORTANT: If you forget your password it can be reset by going to audit.rcem.ac.uk and clicking on the forgotten password link. You will receive an automated e-mail – follow the link within to set your password.

Step 2 - getting started

Before you proceed to entering data, read the information packs which contain important information about:

- Introduction
- Methodology
- Data entry information
- QI Information
- Standards
- Audit questions

Data entry - Organisational Audits

This is to be completed once by department.

After logging-in, an icon in the top-right of the screen will show your log in details.

The Royal College of Emergency Medicine RCEM Quality Improvement Project System

Home Org Audit Clinical Audits My PDSA My profile User management

Feverish Child VTE adult Feverish Child organisational audit Child organisational control panel

National Quality Improvement Program

Welcome to your new home for ED Quality Improvement

Now you've logged in you're all ready to enter your clinical audit data, see your ED performance change on interactive charts, and record your PDSA Initiatives. Please go to the dashboard screen under Clinical Audit for an overview of your site's data. Here you can also benchmark your ED against the national mean and other comparator groups.

If you need any help, please contact your ED's administrator or the friendly RCEM team at audit@rcem.ac.uk; (Mon-Fri 09:00-17:00).

© 2014 Spring 2015 | Dashboard | Create a new | Powered by CawCawCare

1. Select 'Org Audits' from tool bar as above
2. Click on the audit you wish to start. The Feverish Child and VTE audits both have organisational questions.
3. Enter data using the below tabs and this will be saved when you move between tabs or click save. **Once the record is complete and saved you can lock it.** Once the record is locked you will be unable to edit the record further but will still be able to view it. If you need to unlock the record for any further changes, please contact RCEM audit team on 020 7400 6108 or by e-mail at audit@rcem.ac.uk



Feverish Children Organisational

Data should be entered using the below tabs, and will be saved when you move between tabs or click save. **Once the record is complete and saved you can lock it.** Once the record is locked you will be unable to edit the record further but will still be able to view it. If you need to unlock the record for any further changes please contact RCEM audit team on 020 7400 6408 or by e-mail at audit@rcem.ac.uk

Site: **Pilot - RCEM staff.**

Complete Incomplete Errors Not saved

Organisation

Organisation

1.1. Does your department use an early warning score? Yes No

1.2. Does your department use a tool to identify children at risk of sepsis?
 Yes - NICE sepsis risk stratification tool
 Yes -UK sepsis trust ED/AMU sepsis screening and action tool
 Yes - locally developed tool
 Yes - other
 No

1.3. In your department if a child is identified as being at risk of sepsis, is a clinical management tool instigated?
 Yes - NICE sepsis risk stratification
 Yes - UK sepsis trust sepsis 6
 Yes - locally developed tool
 Yes - other
 No

1.4. Does your ED provide advice to give to patients, carers or children with febrile illness?
(Please tick all that apply)

Yes - written leaflet
 Yes - app/electronic resource
 Yes - video
 Yes - sign posts to external resources
 Yes - other
 No

a. If 'Yes', does the advice include
(Please tick all that apply)

Management of febrile illness
 Spotting signs of sepsis
 When to access services for review

EXIT

4. Make sure the coloured strip at the top turns green – 'complete' which means the page has been completed before the end of the data collection period. 'Incomplete data' will show up as orange, 'errors in red' and 'not saved' in blue.

Clinical audits – data entry

- To commence the audit and QIP, choose the appropriate audit from the top of the homepage. E.g. Feverish child, VTE and Vital signs in adults.

Emergency Medicine RCEM Quality Improvement Project System Logout

Home Org Audit Clinical Audits My PDSA My profile User management

Feverish Child Feverish Child clinical audit

Vital signs in adults Feverish Child clinical control panel Feverish Child clinical audit

VTE - audit Dashboard

National Quality Improvement Program

Welcome to your new home for ED Quality Improvement

Now you've logged in you're all ready to enter your clinical audit data, see your ED performance change on interactive charts, and record your PDSA initiatives. Please go to the dashboard screen under Clinical Audit for an overview of your site's data. Here you can also benchmark your ED against the national mean and other comparator groups.

If you need any help, please contact your ED's administrator or the friendly RCEM team at audit@rcem.ac.uk (Mon-Fri 09:00-17:00).

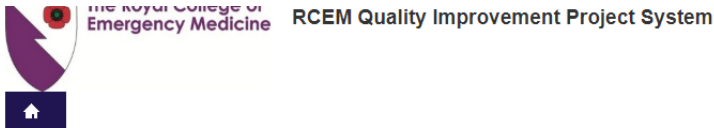
- 1) Select a site, then click on 'Add record' to enter details of new case
- 2) Once the record is complete and saved you can lock it. Once the record is locked you will be unable to edit the record further but will be able to view it. If you need to unlock the record for any further changes, please contact RCEM audit team on 02074006108 or by email at audit@rcem.ac.uk

General information about entering data

You must complete a record for each patient. Use the patient's notes to answer each question using the drop-down menus or time/date fields. Here are some general notes about entering data:

1. **Patient reference fields** - Do not enter patient identifiable data in the patient reference field; you can enter a bespoke reference to help you refer back to notes.
2. **Time fields** –the 'time picker' will select time by the minutes or users can enter the time manually if preferred by typing in the box (e.g. 12:34).
3. **Date fields** – answer using the following format: dd/mm/yyyy or click on the adjacent calendar symbol to select a date. Users can enter the date manually if preferred by typing in the box.
4. **Notes** – use this space to record any additional notes for local use. The College will be able to review information you record here so it is a useful way to capture any comments specific to that patient. Do not enter any patient identifiable data.

- Conditional questions** – please note some questions will only appear depending on the answer to the previous question. Red and orange markers indicate potential data entry errors or missing data.



Feverish Children Clinical

Data should be entered using the below tabs, and will be saved when you move between tabs or click save. **Once the record is complete and saved you can lock it.** Once the record is locked you will be unable to edit the record further but will still be able to view it. If you need to unlock the record for any further changes please contact RCEM audit team on 020 7400 6108 or by e-mail at audit@rcem.ac.uk

Site: Pilot - RCEM staff. Case ID: 45

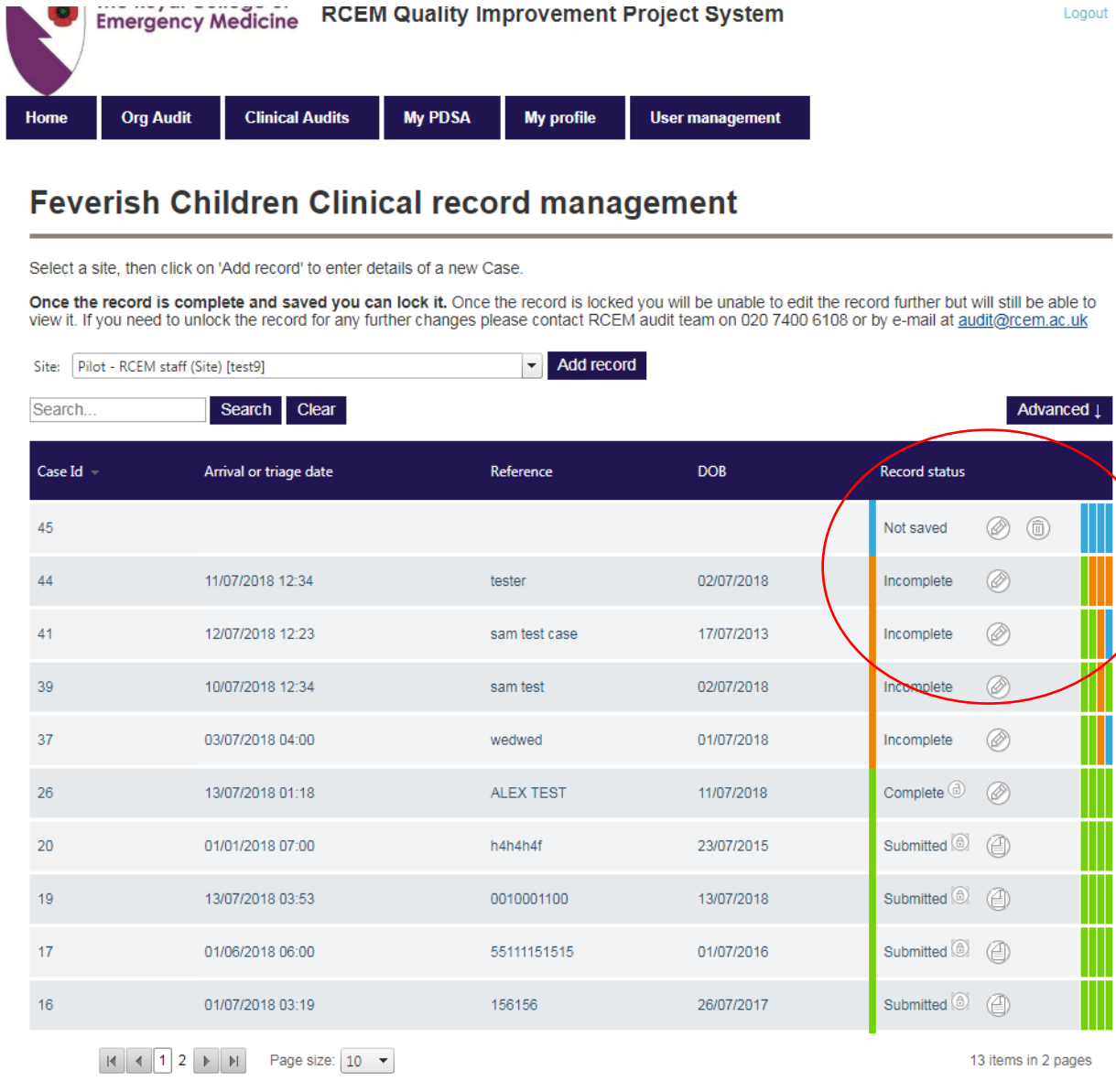
Complete Incomplete Errors Not saved

Patient details	Vital signs	Patient risk and treatment	Discharge
Patient details			
1.1. Reference (do not enter patient identifiable data)			
1.2. Date and time of arrival or triage - whichever is earlier			
1.3. Patient date of birth			

Save Exit

- Check answers carefully** - please check all answers carefully before saving. You can edit answers by returning to the form at any time before you lock the record.
- Entering a new record** – return to the homepage for that audit and then select 'add record'. The exit button will take you back to the homepage for that audit, which is positioned below the save button on the right of the screen, see screen shot above.
- Ensure you save each record** – after you have finished entering data for each patient, make sure you press the 'save' icon (at the right of the record). The record will also save automatically as you move between tabs.
- Tracking progress** - Above the record you will see a summary of your progress for each tab, showing which are complete, incomplete, have errors or are not saved. The aim is for all four tabs to turn green per case. Once you are happy with the information saved you can then lock that record.

11. **Amending records** – you can return to the summary of saved records and their completion status using the 'exit' buttons.



The screenshot shows the RCEM Quality Improvement Project System interface. At the top, there is a navigation bar with 'Home', 'Org Audit', 'Clinical Audits', 'My PDSA', 'My profile', and 'User management'. Below this is a search bar with 'Search' and 'Clear' buttons, and an 'Add record' button. The main content area displays a table of clinical records. The table has columns for 'Case Id', 'Arrival or triage date', 'Reference', 'DOB', and 'Record status'. The 'Record status' column is highlighted with a red circle, showing various statuses like 'Not saved', 'Incomplete', 'Complete', and 'Submitted'. Each row also includes icons for editing and deleting records. At the bottom of the table, there are pagination controls showing 'Page size: 10' and '13 items in 2 pages'.

Case Id	Arrival or triage date	Reference	DOB	Record status
45				Not saved
44	11/07/2018 12:34	tester	02/07/2018	Incomplete
41	12/07/2018 12:23	sam test case	17/07/2013	Incomplete
39	10/07/2018 12:34	sam test	02/07/2018	Incomplete
37	03/07/2018 04:00	wedwed	01/07/2018	Incomplete
26	13/07/2018 01:18	ALEX TEST	11/07/2018	Complete
20	01/01/2018 07:00	h4h4h4f	23/07/2015	Submitted
19	13/07/2018 03:53	0010001100	13/07/2018	Submitted
17	01/06/2018 06:00	55111151515	01/07/2016	Submitted
16	01/07/2018 03:19	156156	26/07/2017	Submitted

Data that has not been submitted will be indicated in the summary page. Here you will be able to edit that record by clicking on the edit symbol. You will be able to edit data until the closing date of the audits. **Ensure you press save after making amendments.**

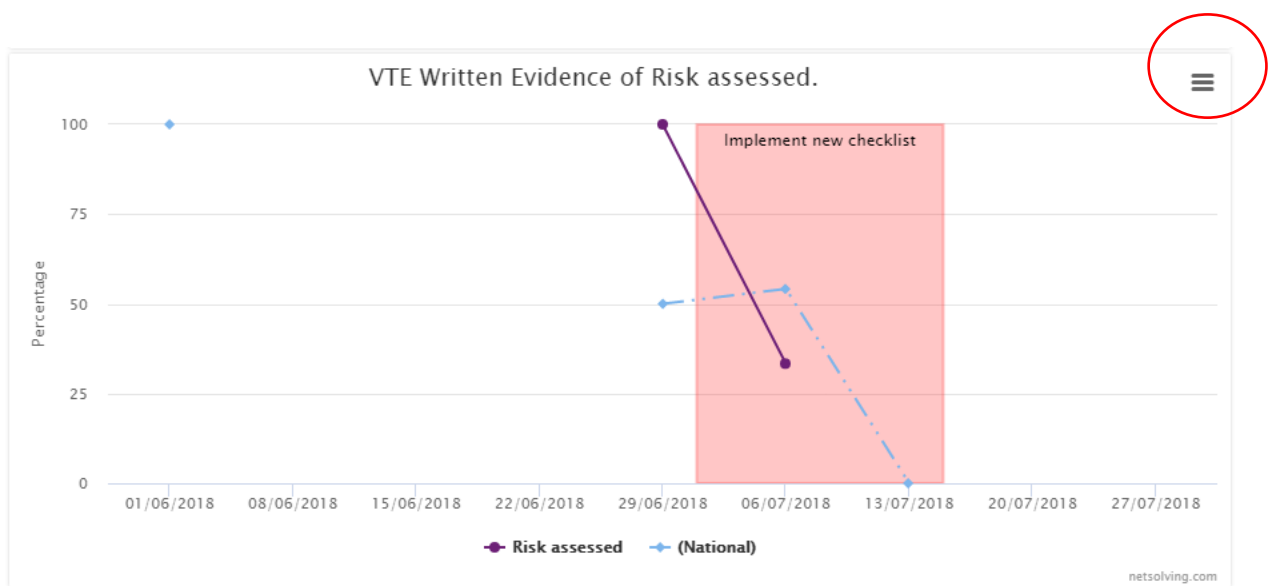
Dashboards

We have made several improvements to support you to take greater control of your data and use it for effective local quality improvement. Here are some of the new features you can look forward to:

- New dashboard showing real-time data for your ED
- Track how your data changes over weeks and months on run charts and SPC charts
- Quality improvement features built in and displayed on the dashboard
- Record PDSA cycles and they will automatically be annotated on your charts, so you can see how effective they have been
- Choose who to compare your EDs data to; initial options include, your Country or the national sample (UK)
- Better user interface
- Better data validation
- Faster data entry
- Hover and click as dashboards are interactive
- Clear distinction between your ED in purple and comparative data in blue

Useful tips

1. The dashboard works best when you have patient data for each week
2. If you add additional data it will automatically be added to the week the patient attended
3. Click on the three lines icon as in the screen shot below and you can export of the chart for easy sharing or reporting
4. Remember to click 'view dashboard' to apply any changes to the date range or comparative sample
5. Look out for coloured bands that show when your ED has tried a PDSA, as in the below screen shot



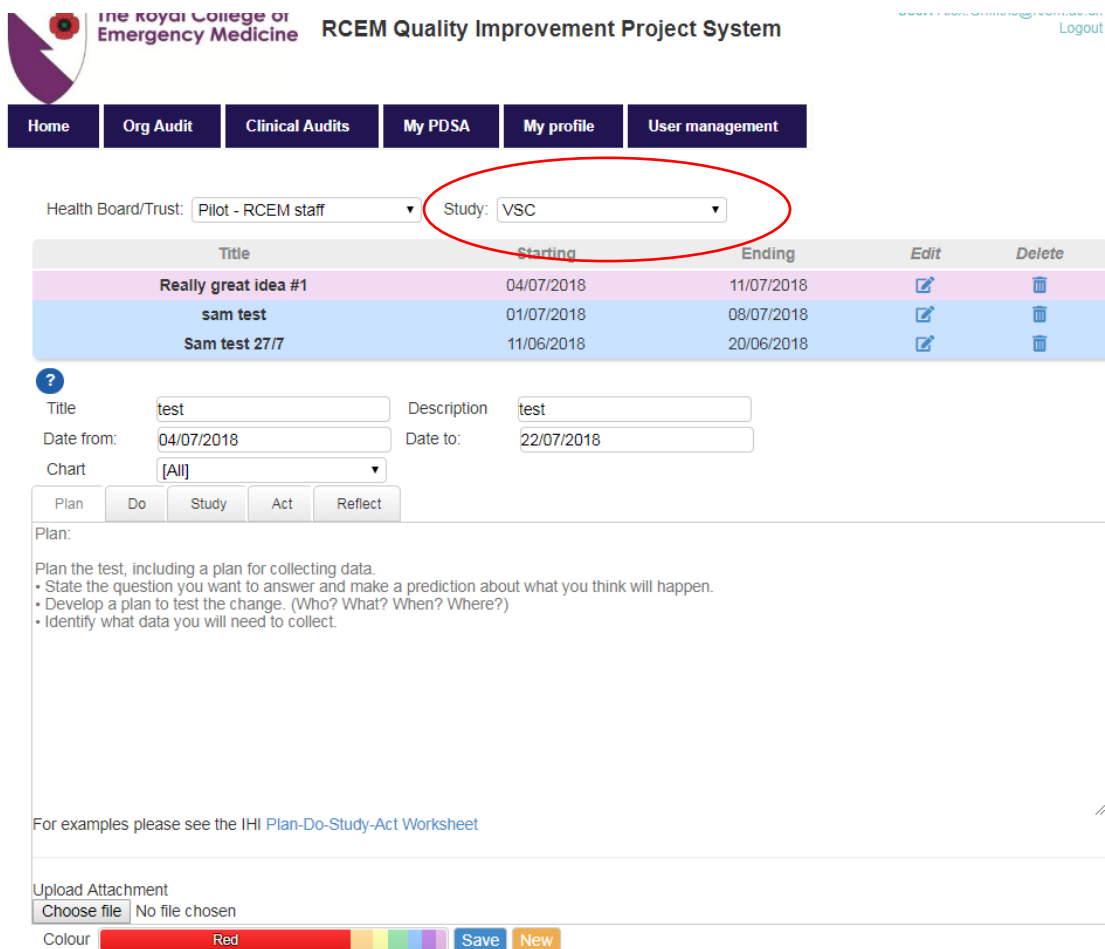
Quality improvement - PDSA

The purpose of clinical audit is to quality assure and quality improve your service where it is not meeting standards. The new RCEM system allows your team to record details of quality improvement projects (QIP) and see on your dashboard how each initiative affects your data on key measures.

We encourage you to use this new feature to try out QIPs in your department. If you are new to QIPs, we recommend you follow a Plan Do Study Act (PDSA) methodology. The [Institute for Healthcare Improvement](#) (IHI) provides a useful worksheet which will help you to think about the changes you want to make and how to implement them.

How to add a PDSA

- 1) Click on the My PDSA tab
- 2) Select appropriate audit and QIP from the drop-down menu where it says 'Study'
- 3) Complete the following fields: title, data from, chart, description and date. The dates chosen will automatically be synced with the appropriate chart in the dashboard
- 4) Go through the following tabs: plan, do, study, act and reflect and include the information about your PDSA. This can be seen by other staff from your ED.
- 5) Upload any relevant attachments, this might include meeting minutes or a test proforma for example



The Royal College of Emergency Medicine RCEM Quality Improvement Project System

Home Org Audit Clinical Audits **My PDSA** My profile User management

Health Board/Trust: Pilot - RCEM staff Study: VSC

Title	Starting	Ending	Edit	Delete
Really great idea #1	04/07/2018	11/07/2018		
sam test	01/07/2018	08/07/2018		
Sam test 27/7	11/06/2018	20/06/2018		

?
Title: test Description: test
Date from: 04/07/2018 Date to: 22/07/2018
Chart: [All]

Plan Do Study Act Reflect

Plan:
Plan the test, including a plan for collecting data.
• State the question you want to answer and make a prediction about what you think will happen.
• Develop a plan to test the change. (Who? What? When? Where?)
• Identify what data you will need to collect.

For examples please see the IHI [Plan-Do-Study-Act Worksheet](#)

Upload Attachment
Choose file No file chosen

Colour: Red Save New

At the end of the audit

Submitting data

As soon as a record is saved then that data is charted in the dashboard. Once data has been verified as accurate this is locked by your ED. All locked data will automatically be submitted to the College for analysis.

Saved data can be amended until the audits close on 31st January 2019. No further changes to the data are possible after this date.

Reports

After the audits close the College will analyse the data and produce a report for each ED comparing your ED's findings with those of all participants. The reports will be made available online via the system.

You can export your dashboard charts and data at any time before or after the deadline to create your own reports.

Presentations

After the audits close the College will produce a bespoke presentation for each ED outlining your key results. This will help you to disseminate your audit and QIP results to colleagues and your Board. You will be able to edit this presentation to suit your organisation.

You can export your dashboard charts and data at any time before or after the deadline to create your own presentations.

Certificate of participation

Certificates can be provided as proof of participation. These can be downloaded from the audit website after the data entry deadline has closed on 31st January 2019.

Help

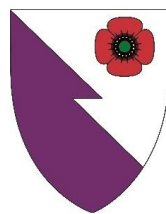
Audit users should contact their Department Admins in the first instance, but anyone can contact the College for assistance in a variety of ways (Mon-Fri, 9-5):

Queries regarding audit questions, criteria or guidance:

1. **FAQs:** Before contacting the College check the FAQs in the audit and QIP information packs to see whether your question has been answered already. If not, contact the College via the methods below.

Technical queries:

1. **E-mail:** send an e-mail to audit@rcem.ac.uk
2. **Phone:** Call 020 7067 4812 or 020 7400 6108



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