

PQIP Perioperative Quality Improvement Programme

Making the most of your local data using the PQIP webtool

Arun Sahni

RCoA - 16th April 2018

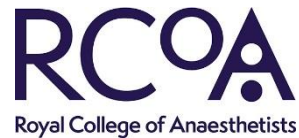
Aims

- Quality Improvement tools
- Dashboards
- Exports
- Coding
- Queries
- Run Charts
- Collaboration

Your data



Perioperative Quality
Improvement Programme



Improvement Tools



Login



Improvement Tools

External resources

"A multidisciplinary initiative to support local quality improvement to benefit patients undergoing major surgery."



Tweets by @PQIPNews

A snippet of a Twitter feed. It shows a tweet from @PQIPNews congratulating @RUHBath with three yellow heart emojis, dated Mar 22, 2018. Below it is a retweet from the Royal College of Anaesthetists (@RCoANews) mentioning their 2018 Workforce Data Pack.



Improvement tools

[Home](#)[About](#)[For Patients](#)[Resources](#)[Quality Improvement](#)[Library](#)[News & Events](#)[Login](#)

Improvement tools

Click on any of the links below to download the relevant documents:-

- [How to create a simple run chart \(PDF\)](#)
- [How to create a simple SPC chart \(PDF\)](#)
- [How to use the model for improvement PQIP \(PDF\)](#)
- [How to Driver Diagram PQIP \(PDF\)](#)
- [How-to Process Map PQIP \(PDF\)](#)
- [Model for Improvement Planning Work sheet \(PDF\)](#)
- [Process Mapping Facilitation How-to Guide PQIP \(PDF\)](#)
- [Run chart template \(XLSX\)](#)
- [SPC chart template \(XLSX\)](#)

Dashboards

Home About Resources Reports **Quality Improvement** Library News & Events Data

Dashboard

- Basic demographic
- Data acquisition
- Data completeness
- Preoperative risk
- Enhanced Recovery Pathway
- Unplanned HDU/ICU
- Temperature > 36°C
- Bauer day 1

Improvement Tools

External resources

Demographics record management

Select a site, then click on 'Add record' to enter

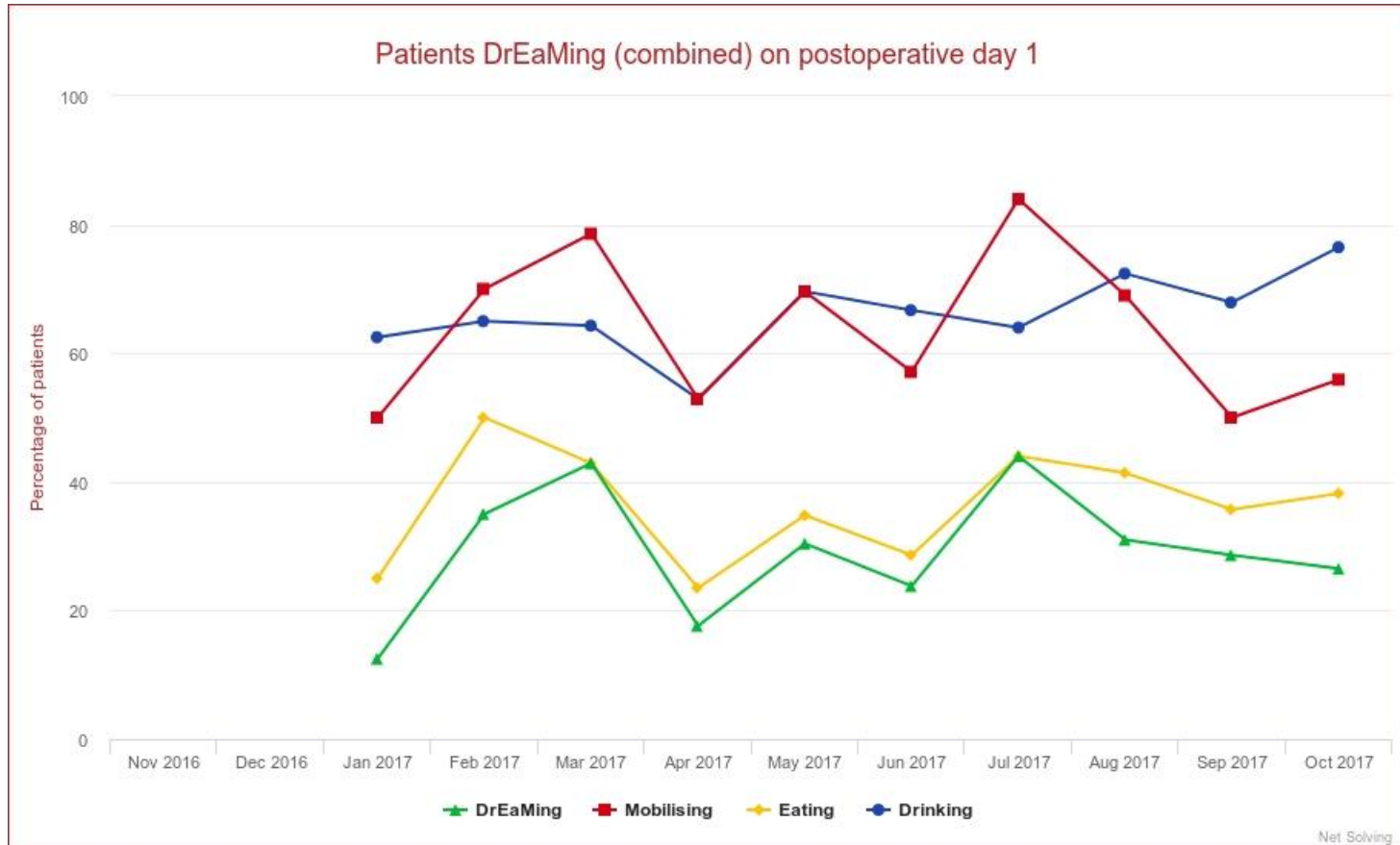
Once the record is complete and saved you can lock it. Once the record is locked you can view it. If you need to unlock the record for any further changes please contact

Site: [List all] Add

Search... Search Clear

Site name	Case ID	Last name	First name	DOB
Test Site 001	7355			

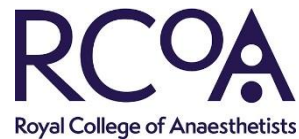
Dashboards



Export



Perioperative Quality
Improvement Programme



Export

User: asahni
[Logout](#)



Home | About | Resources | Reports | Quality Improvement | Library | News & Events | Data entry | Data Query | My profile

Administration | Query Builder | **Patient Data Export** | Data Key

Demographics record management

Select a site, then click on 'Add record' to enter details of a new Case.

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 PQIP Team on 020 7092 1684 or by e-mail at pqip@rcoa.ac.uk

Site:



Export

Export data

Site:

Test Site 001 (Southport and Ormskirk Ho) [TEST001]



Data Sections:

Data ▼

Date from:

01/09/2016

To:

01/04/2018

(Date of surgery range)

[Download Report List](#)



Perioperative Quality Improvement Programme



Coding

- 242 – Columns
- Coded
- 2.30 S02PatientsSmokingHistory
 - NS
 - XG6
 - XL6
 - CS

Decoding

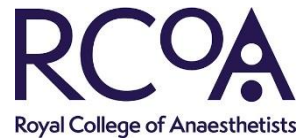


[Logout](#)

Home | About | Resources | Reports | Quality Improvement | Library | News & Events | Data entry | Data Query | My profile

Administration | Query Builder | Patient Data Export | Data Key

Export data



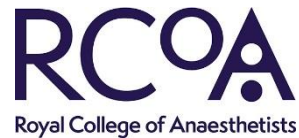
Decoding

- Q. 2.30 S02PatientsSmokingHistory
 - NS = Never smoked
 - XG6 = Ex-smoker - stopped smoking > 6months ago
 - XL6 = Ex-smoker - stopped smoking <=6 months ago
 - CS = Current smoker
 - NK = Not known

Queries



Perioperative Quality
Improvement Programme



Queries

- Preoperative anaemia
- Haemoglobin greater than 13g/dl
- Run chart

Queries

- Home
- About
- Resources
- Reports
- Quality Improvement
- Library
- News & Events
- Data entry
- Data Query
- My profile

- Query Builder
- Patient Data Export
- Data Key

Demographics record management

Select a site, then click on 'Add record' to enter details of a new Case.

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 PQIP Team on 020 7092 1684 or by e-mail at pqip@rcoa.ac.uk

Queries

Query Builder

Site:

Query: Show results only

Name:

Description:

Updated:

Import/Export: No file chosen

Tables & Data

- ▶ MainDataset
- ▶ QuestionnaireAdmission
- ▶ QuestionnaireDay1
- ▶ QuestionnaireDay3
- ▶ QuestionnaireMonth6
- ▶ QuestionnaireYear1
- ▶ Sites

Result columns

Query conditions


Select records where all of the following apply

Queries

Query Builder

Site: [All teams] ▼

Query: [New...] ▼ **Save** **Copy** **Clear** Show results only

Name: Anaemia 

Description: anaemia run chart

Updated:

Import/Export: No file chosen **Import** **Export**

Queries

Query Builder

Site: [All teams] ▾

Query: [New...] ▾ **Save** **Copy** **Clear** Show results only

Name:

Description:

Updated:

Import/Export: **Choose File** No file chosen **Import** **Export**

Tables & Data

- MainDataset
- QuestionnaireAdmission
- QuestionnaireDay1
- QuestionnaireDay3
- QuestionnaireMonth6
- QuestionnaireYear1
- Sites

Result columns

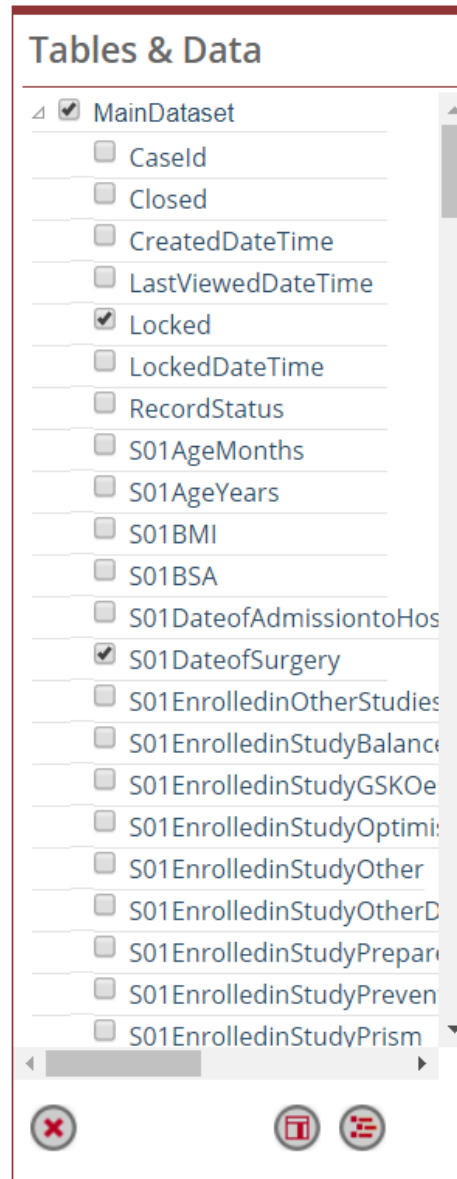
+ Add column

Query conditions

+ Add condition

▼ Select records where all of the following apply

Queries



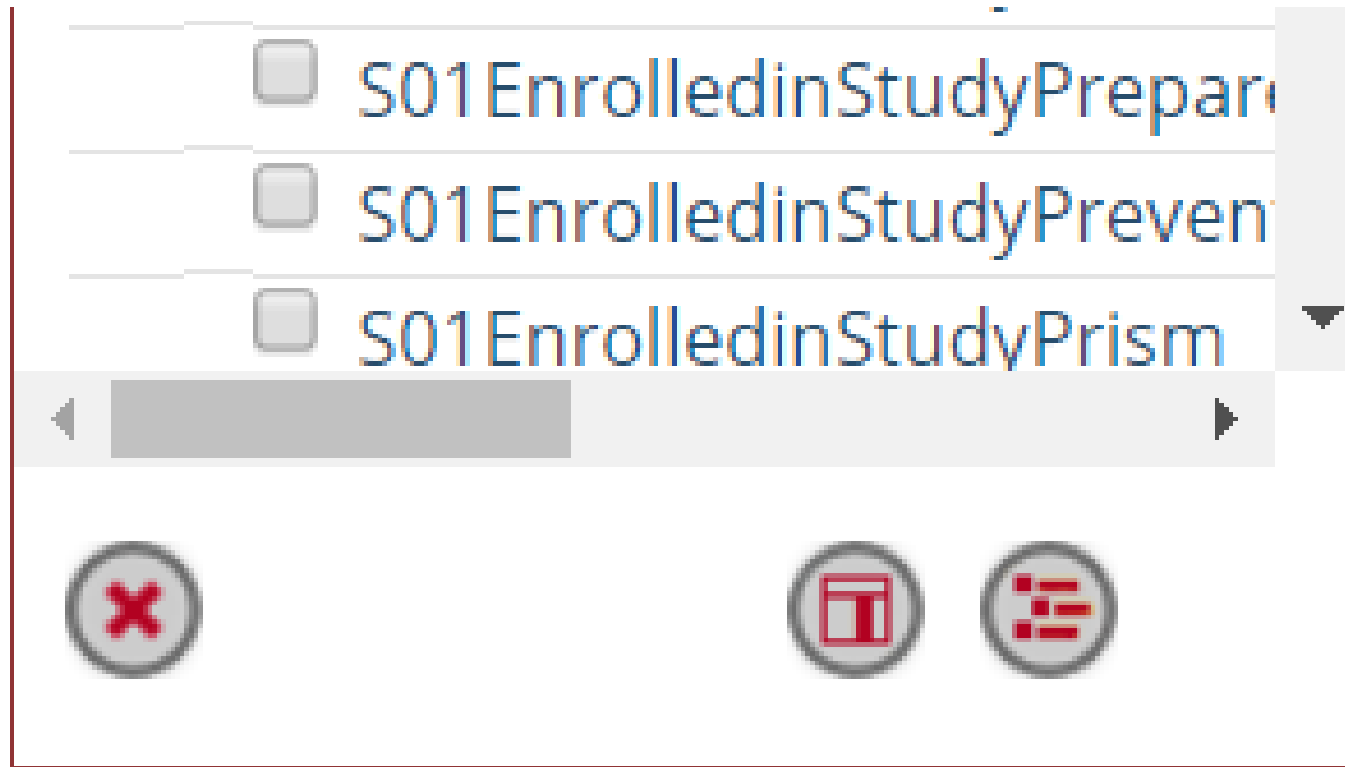
Queries

Tables & Data

- S02AssessmentOfPerioper
- S02CardiacHistoryFindings
- S02ECGFindings
- S02FEV1
- S02FEV1FVC
- S02GlasgowComaScaleTot
- S02Haemoglobin
- S02Haemoglobin_NK
- S02HasPreoperativeCardiac
- S02HbA1c
- S02HbA1c_NK
- S02MaximumHeartRate
- S02MaximumOxygenPulse
- S02MaximumVoluntaryVer
- S02MaximumWorkRate
- S02NYHAHeartFailureClass
- S02OxygenSaturationAtVl
- S02PatientHadRespiratory
- S02PatientHasBeenReferre
- S02PatientHasDementia
- S02PatientHasDiabetes
- S02PatientHasDiagnosisOf
- S02PatientHasDiagnosisOf

Navigation icons: Close (X), Home, Refresh

Queries – columns



Queries

Site: [All teams] ▾

Query: [New...] ▾ Save Copy Clear Show results only

Name: Anaemia

Description: anaemia run chart

Updated:

Import/Export: Choose File No file chosen Import Export

Tables & Data

- MainDataset
 - Caseld
 - Closed
 - CreatedDateTime
 - LastViewedDateTime
 - Locked
 - LockedDateTime
 - RecordStatus
 - S01AgeMonths
 - S01AgeYears
 - S01BMI
 - S01BSA
 - S01DateofAdmissiontoHos
 - S01DateofSurgery
 - S01EnrolledinOtherStudies
 - S01EnrolledinStudyBalance
 - S01EnrolledinStudyGSKOe
 - S01EnrolledinStudyOptimi
 - S01EnrolledinStudyOther
 - S01EnrolledinStudyOtherD
 - S01EnrolledinStudyPrepar
 - S01EnrolledinStudyPreven

Result columns

+ Add column





Expression	Title	Sorting
<input type="checkbox"/> MainDataset Locked	MainDataset Locked	Not sorted
<input type="checkbox"/> MainDataset S01DateofSurgery	MainDataset S01DateofSurgery	Not sorted
<input type="checkbox"/> MainDataset S02Haemoglobin	MainDataset S02Haemoglobin	Not sorted

Query conditions

+ Add condition

Select records where all of the following apply

Queries - sorting

Result columns			 Add column
Expression	Title	Sorting	
 MainDataset Locked	MainDataset Locked	Not sorted	
 MainDataset S01DateofSurgery	MainDataset S01DateofSurgery	Not sorted	
 MainDataset S02Haemoglobin	MainDataset S02Haemoglobin	Not sorted	<div style="border: 1px solid black; padding: 5px;">Not sorted Ascending Descending</div>

Queries - conditions

Site: [All teams] ▾

Query: [New...] ▾ Save Copy Clear Show results only

Name: Anaemia

Description: anaemia run chart

Updated:

Import/Export: Choose File No file chosen Import Export

- ### Tables & Data
- MainDataset
 - Caseld
 - Closed
 - CreatedDateTime
 - LastViewedDateTime
 - Locked
 - LockedDateTime
 - RecordStatus
 - S01AgeMonths
 - S01AgeYears
 - S01BMI
 - S01BSA
 - S01DateofAdmissiontoHos
 - S01DateofSurgery
 - S01EnrolledinOtherStudies
 - S01EnrolledinStudyBalance
 - S01EnrolledinStudyGSKOe
 - S01EnrolledinStudyOptimi
 - S01EnrolledinStudyOther
 - S01EnrolledinStudyOtherD
 - S01EnrolledinStudyPrepar
 - S01EnrolledinStudyPreven

Result columns + Add column

Expression	Title	Sorting
<input type="checkbox"/> MainDataset Locked	MainDataset Locked	Not sorted
<input type="checkbox"/> MainDataset S01DateofSurgery	MainDataset S01DateofSurgery	Not sorted
<input type="checkbox"/> MainDataset S02Haemoglobin	MainDataset S02Haemoglobin	Not sorted

Query conditions + Add condition

Select records where all of the following apply

Queries - conditions

The screenshot shows a query builder interface. On the left, a list of conditions is displayed, with 'Locked' highlighted. On the right, a dropdown menu is open, showing a list of datasets including 'MainDataset', 'QuestionnaireAdmission', 'QuestionnaireDay1', 'QuestionnaireDay3', 'QuestionnaireMonth6', 'QuestionnaireYear1', and 'Sites'. A red '+' icon and the text 'Add condition' are visible above the dropdown menu.

mainD

- Caseld
- Closed
- CreatedDateTime
- LastViewedDateTime
- Locked**
- LockedDateTime
- RecordStatus
- S01AgeMonths
- S01AgeYears
- S01BMI
- S01BSA
- S01DateofAdmissiontoHospital
- S01DateofSurgery
- S01EnrolledinOtherStudies
- S01EnrolledinStudyBalanced
- S01EnrolledinStudyGSKOesophTFR116341
- S01EnrolledinStudyOptimisell
- S01EnrolledinStudyOther
- S01EnrolledinStudyOtherDetails
- S01EnrolledinStudyPrepareABC
- S01EnrolledinStudyPreventionHARP2
- S01EnrolledinStudyPrism
- S01EnrolledinStudyScottishHN
- S01Gender
- S01Height

+ Add condition

- MainDataset**
- QuestionnaireAdmission
- QuestionnaireDay1
- QuestionnaireDay3
- QuestionnaireMonth6
- QuestionnaireYear1
- Sites

Query - conditions

Query conditions + Locked

Select records where all of the following apply


MainDataset Locked is true

Query - save

Query Builder

Site: [All teams] ▼

Query: [New...] ▼ **Save** **Copy** **Clear** Show results only

Name: Anaemia 

Description: anaemia run chart

Updated:

Import/Export: No file chosen **Import** **Export** **Export all queries**

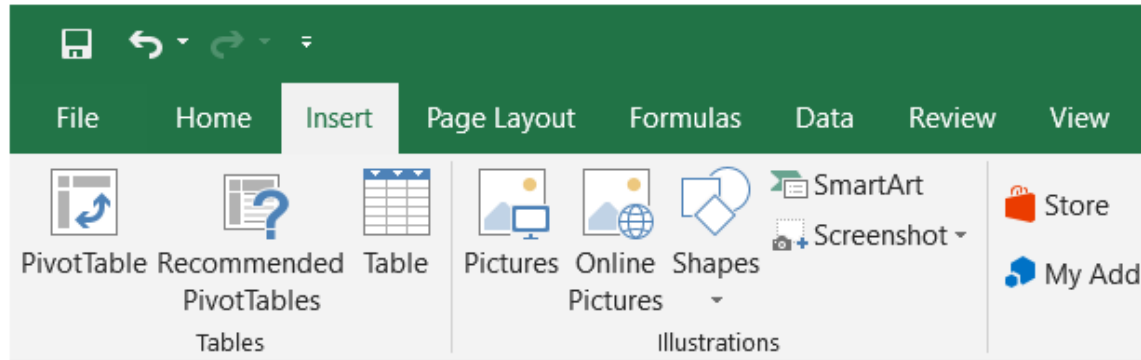
Query - results

Results [Export to Excel](#) [Export to Csv](#) Distinct Results Only [Update Result](#)

Maximum of 50 records displayed (HOWEVER, ALL matching records WILL be exported)

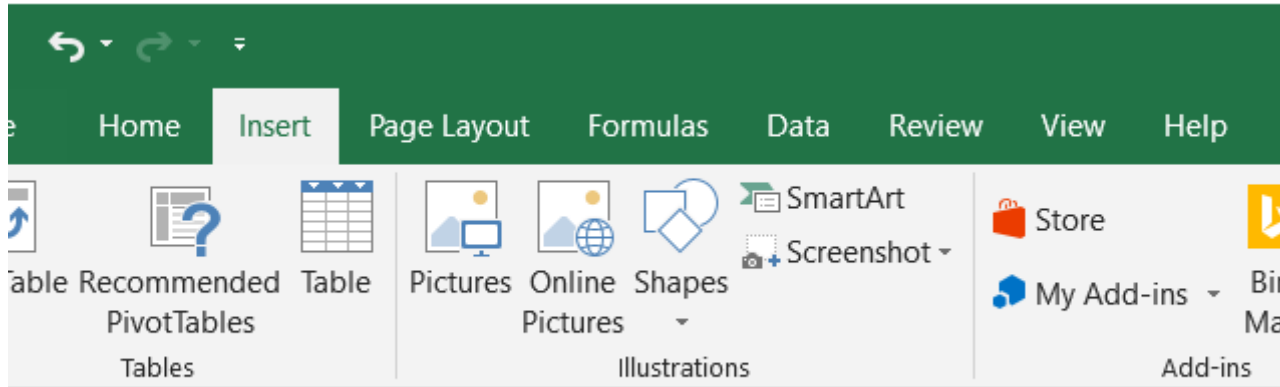
MainDataset Locked	MainDataset S01DateofSurgery	MainDataset S02Haemoglobin
--------------------	------------------------------	----------------------------

Run Chart



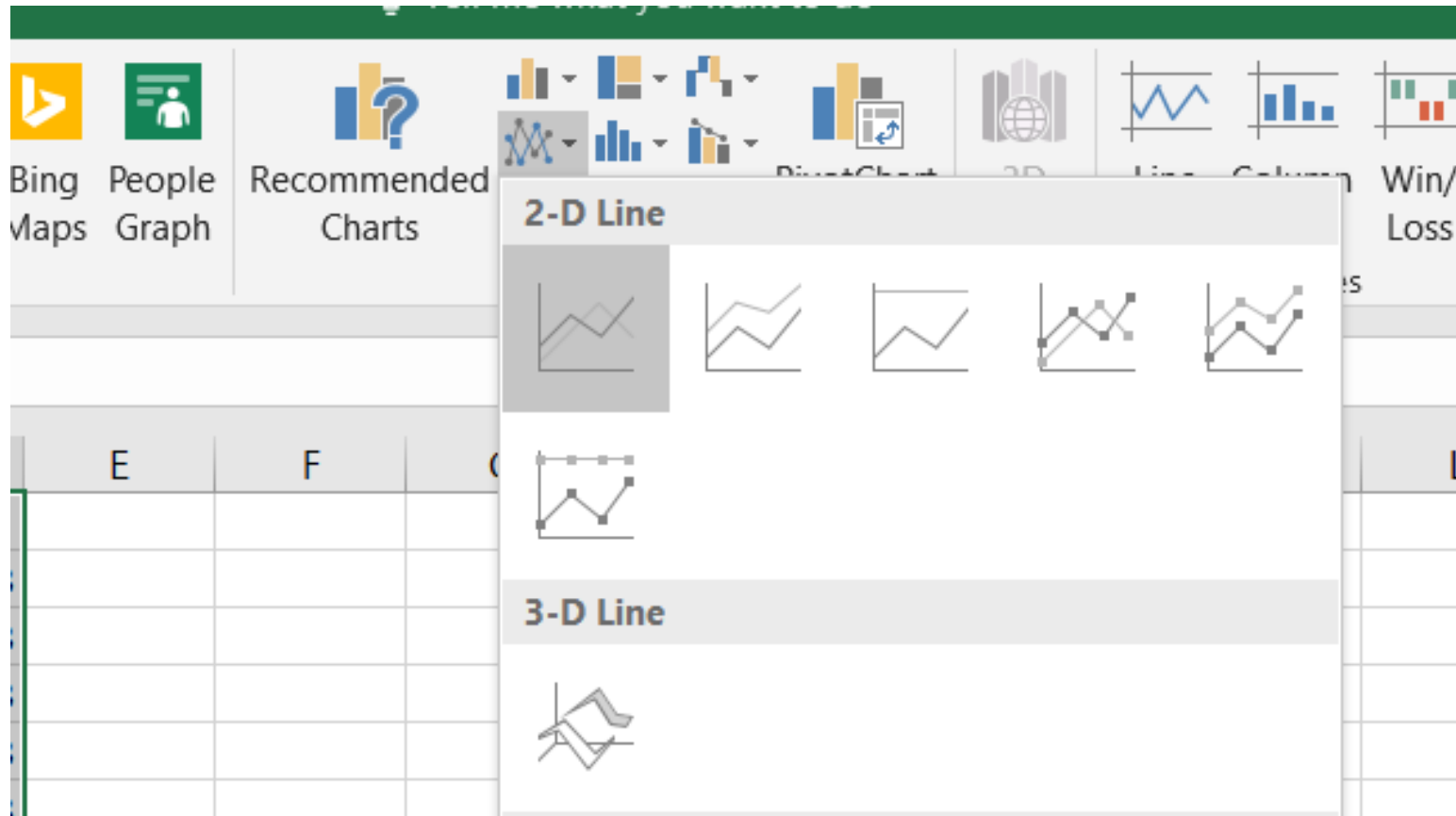
	A	B	C
1	MainData	MainDataset S01DateofSurgery	MainDataset S02Haemoglobin
2	TRUE	04/01/2017 00:00	14.7
3	TRUE	05/01/2017 00:00	14.8
4	TRUE	06/01/2017 00:00	12.1
5	TRUE	08/01/2017 00:00	10
6	TRUE	11/01/2017 00:00	15.2
7	TRUE	12/01/2017 00:00	13.9
8	TRUE	13/01/2017 00:00	12

Run Chart

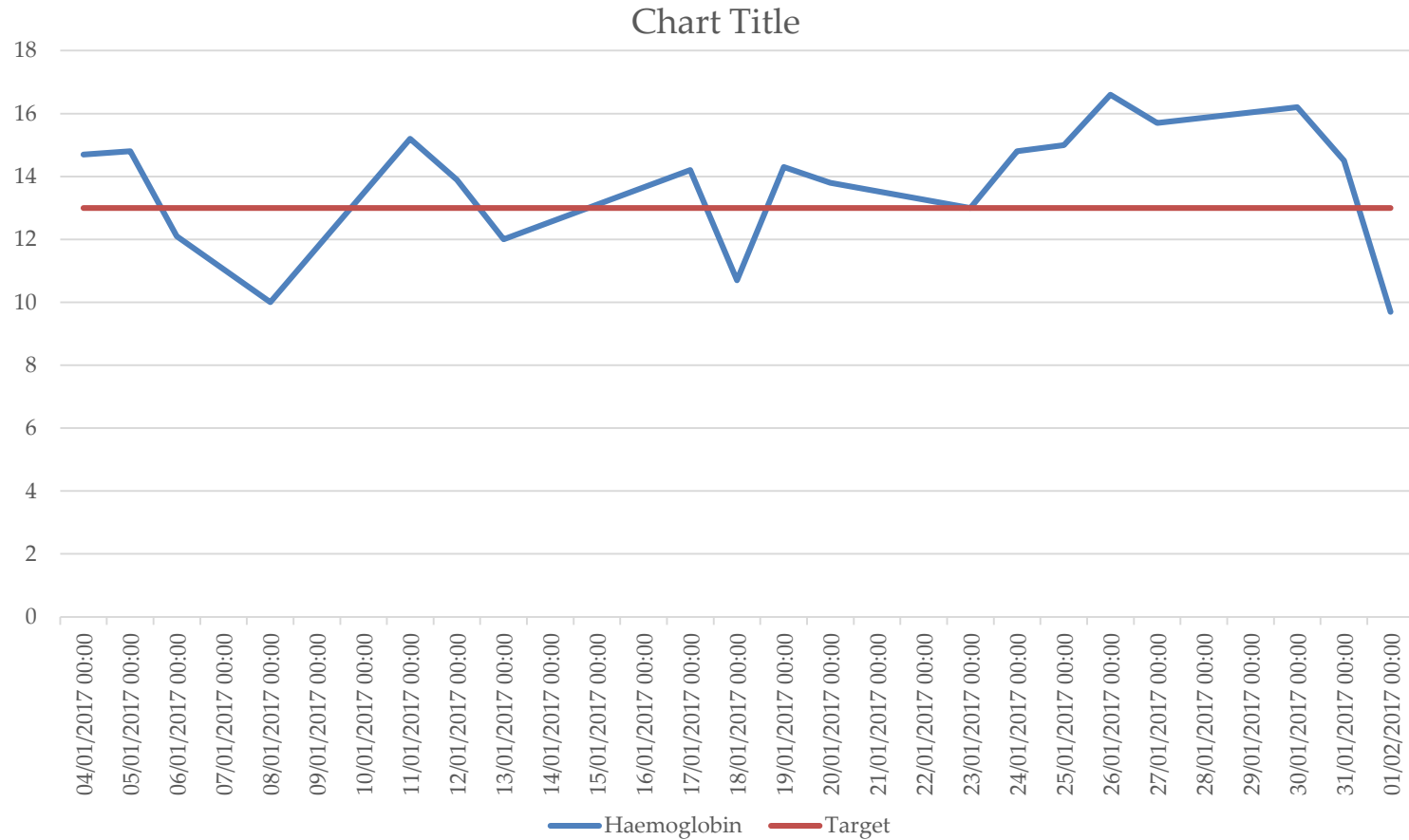


A	B	C	D
MainDataset	MainDataset S01DateofSurgery	MainDataset S02Haemoglobin	Target
TRUE	04/01/2017 00:00	14.7	13
TRUE	05/01/2017 00:00	14.8	13
TRUE	06/01/2017 00:00	12.1	13
TRUE	08/01/2017 00:00	10	13
TRUE	11/01/2017 00:00	15.2	13
TRUE	12/01/2017 00:00	13.9	13
TRUE	13/01/2017 00:00	12	13

Run Chart



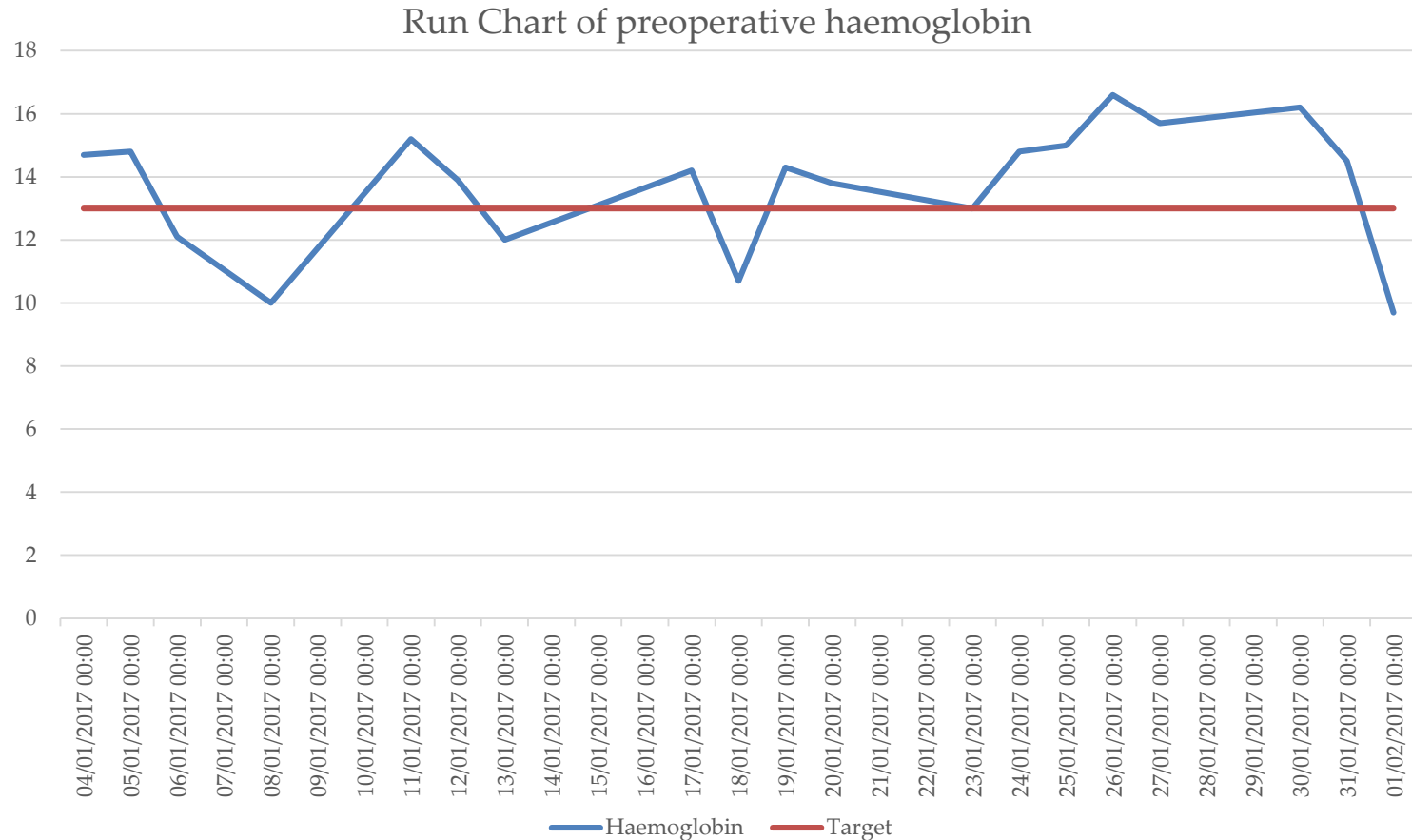
Run Chart



Perioperative Quality Improvement Programme



Run chart modified



Quality Improvement



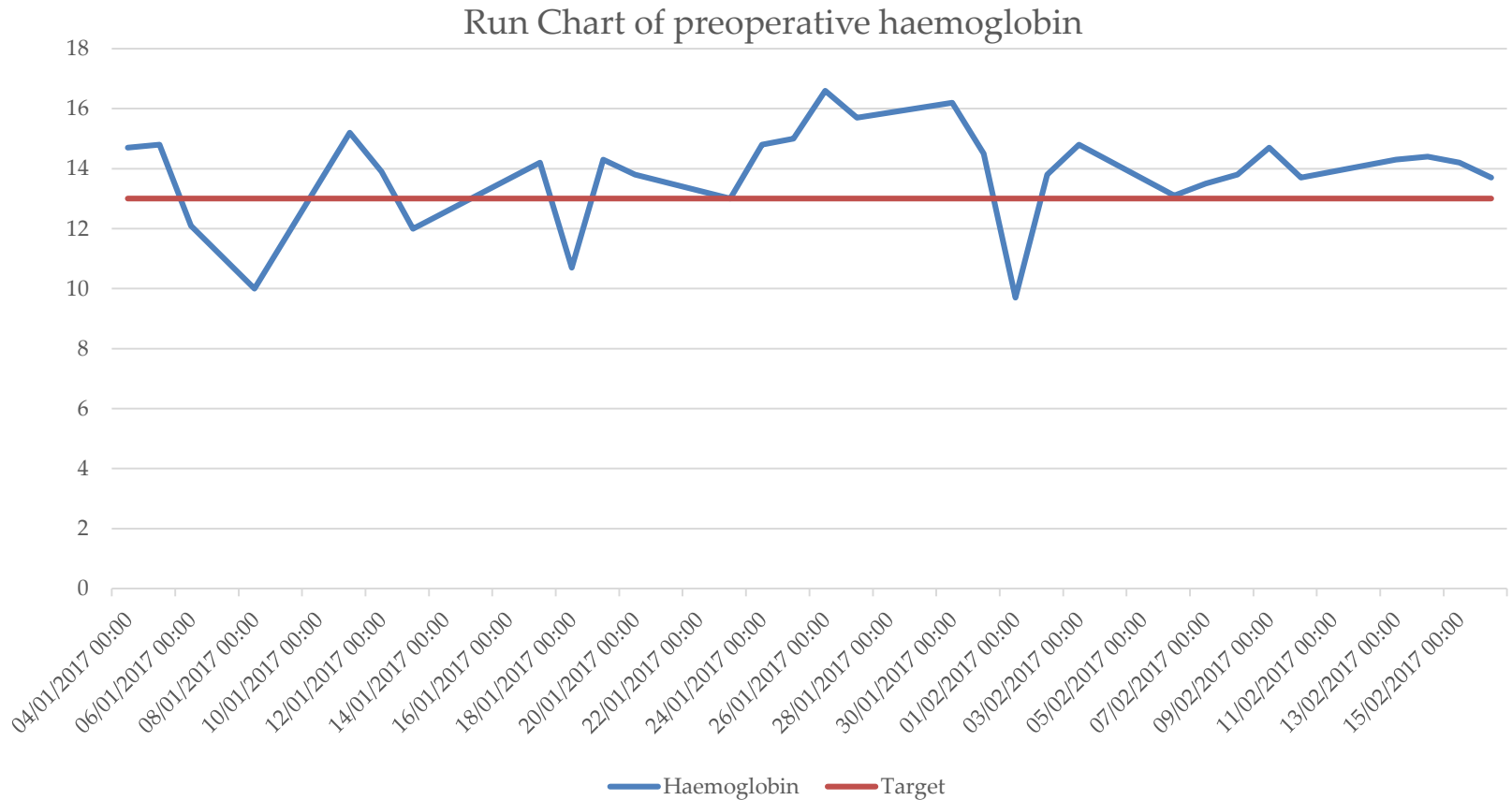
Perioperative Quality
Improvement Programme

RCOA
Royal College of Anaesthetists

NIAA **H S R C**
National Institute of Academic
Anaesthesia Health Services Research Centre

**The
Health
Foundation**
Inspiring
Improvement

Run chart



Perioperative Quality Improvement Programme

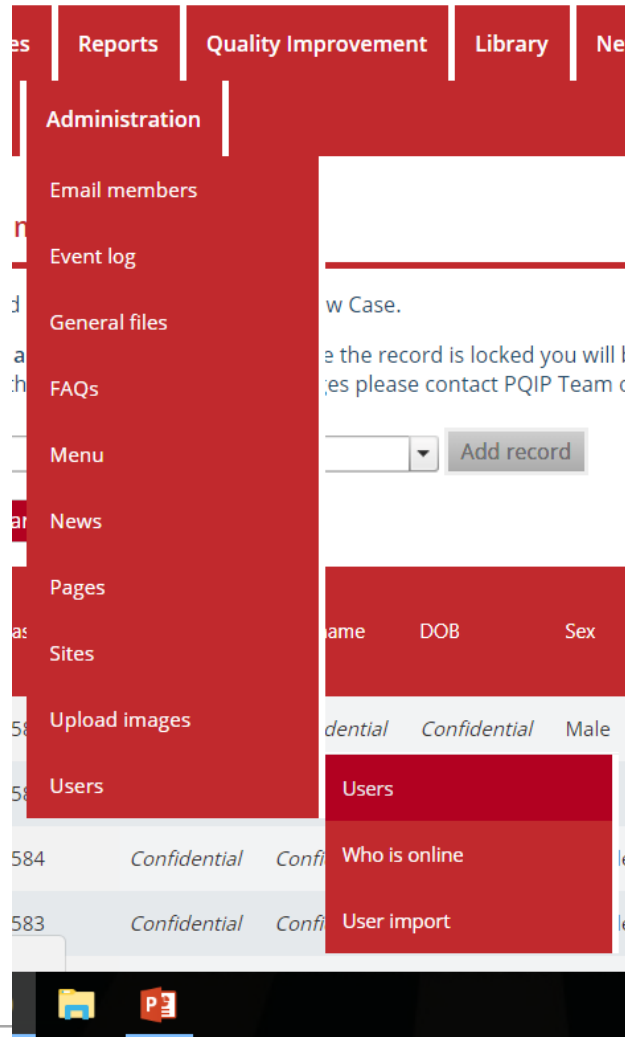


Data Quality

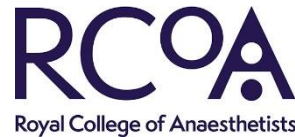
- Definitions
- Validation checks
- Locking
- Technical document

Users

Perioperative Quality Improvement Programme



Perioperative Quality Improvement Programme



Users

Site: [All Sites] ▼

Locked: [All] ▼ Search: **Find** **Clear**

Add new **Export to CSV**

User name	Full Name	Email	Locked	A	C	P
arunsahni@nhs.net	Dr Arun Sahni	asahni@rcoa.ac.uk	<input type="checkbox"/>	X		
asahni	A Sahni	arun.sahni@yahoo.co.uk	<input type="checkbox"/>		X	

User name: Locked

Full name (including title):

Email:

Role: ▼

if other...

Permissions:

- PQIP sites
- Site Administrator
- PQIP Administrator
- Edit text content
- Statistician

Role	Site
Site Administrator ▼	Test Site 001 (TEST001)
Site Reader ▼	Test Site 002 (Test002)
No access	Aberdeen Royal Infirmary (ABD263)
Site Administrator	Arrove Park Hospital (WIR188)
Site User	Ashford Hospital (ASH270)
Site Reader	Ashford Hospital (ASH270)
No access ▼	Basildon University Hospital (BAS126)
No access ▼	Birmingham City Hospital (CTY103)
No access ▼	Birmingham Heartlands Hospital (EBH108)
No access ▼	Birmingham Heartlands Hospital (EBH108)
No access ▼	Birmingham Heartlands Hospital (EBH108)

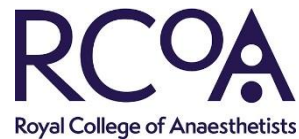
Update **Cancel**

Page size: 2 items in 1 pages

Collaboration



Perioperative Quality
Improvement Programme



Questions

asahni@rcoa.ac.uk