

# The QI Assessment: A How-To Guide

This guidance has been created for 2022-23 specifically, as it includes information on regional panel signoff for ST6 trainees who remain on the 2015 curriculum. Going forward ST6s will not require panel sign off and this guidance will be updated accordingly once the first groups of trainees on the 2021 curriculum reach ST6.

## Contents

What is the QIAT?	2
What is SLO 11?	2
Can I do an educational QIP?	2
How do I generate a QIAT?	3
What do I put in the QIAT?	4
What accompanying evidence should I include?	6
Whom do I send it to?	7
How is the QIAT marked?	7
I have already passed the FRCEM QIP. What do I do?	7
I have only been in post for 6 months. Do I have enough to include in the QIAT?	8
What if I'm on a CESR pathway?	8
Where can I find out more about the process?	8
APPENDIX: an annotated exemplar QIAT	9

## What is the QIAT?

QIAT stands for Quality Improvement Assessment Tool. It is the reporting tool, available on Kaizen, which should be used to record QI activity in the past year. It is designed for reporting primarily on one QI project.

## What is SLO 11?

Specialty Learning Outcome 11, *Participate in and promote activity to improve the quality and safety of patient care*, is one of the 12 SLOs in the RCEM curriculum, and covers quality improvement and patient safety. This now means, in line with a key GMC requirement for curricula in all specialties, that QI is embedded throughout the curriculum and should be assessed at every stage of training, not just one step in the FRCEM examination. More information on SLO 11 can be found <u>here</u>. The motivations for this change were:

- The GMC mandated that QI be present in all curricula, reflecting the fact that quality and safety comprise much of Domain 2 in Good Medical Practice. This means that QI must be assessed in each stage of training. QI cannot, therefore, be isolated to HST as a single assessment.
- There is evidence of the educational advantage of 'interleaving' and 'spacing' content. Such approaches are supported by 'spiralling' QI through training. Experience with candidates in the FRCEM QIP showed a reluctance to engage in further QI work once that hurdle had been cleared
- A breadth of experience can be recorded and reflected upon. This will support the trainee in considering their own strengths and weaknesses in relation to QI activity they have experienced in a number of settings.

### Can I do an educational QIP?

Yes. The emphasis has shifted towards learning QI methodology generally and gaining a breadth of experience as one progresses through training. There is no longer a narrow set of acceptance criteria, which means that any QI project subject area may be suitable, including education, environmental sustainability, wellbeing, cost-saving, pre-hospital, overseas setting. This should significantly open up the range of QIP topics available for the trainee to take on.

## Is the QI assessment the same for everyone?

No. In recognition that a CT1 will have a different level of involvement in a QI project than an ST6, there are three different QIATs which are commensurate with their stage of training (ACCS / Intermediate / Higher). The expectations of trainee at each stage can be summarised as follows:

- ACCS: The QIAT records participation in QI activity. The trainee must demonstrate a basic understanding of key QI principles, reflection, and appreciation of the team-based nature of QI work
- Intermediate: records a project and requires additional of data analysis and an evaluation of change.
- *Higher Training*: records a project that the trainee has led on, with completion of the project by the end of training. The EM-QIAT at this level will be reviewed regionally by a panel including QI expertise to ensure there is consistency and expert insight. Review of the QIAT will be accompanied by review of supporting material, that may include copies of reports, data, feedback from presentation.

QI assessment should encourage trainees to pursue interests, include QI from a variety of settings, and introduce the concept of a personal development journey with reflection. The QIAT should then be signed-off by the trainee's educational supervisor. *There will be a final sign-off by the regional QI panel for ST6 QIATs only* (further details below).

## How do I generate a QIAT?

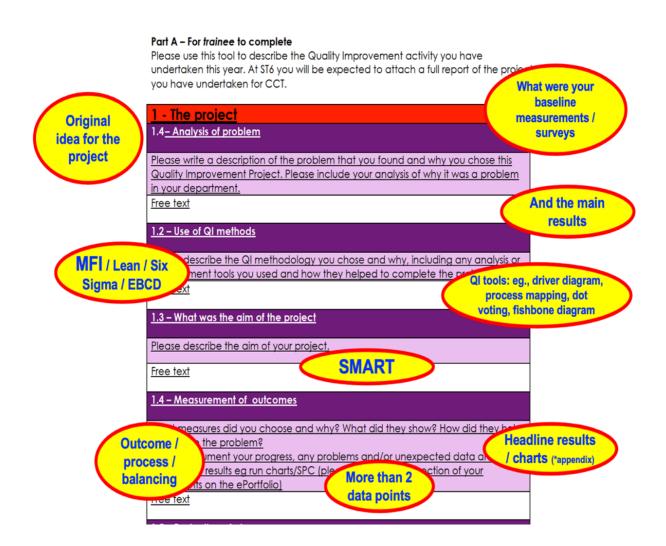
The QIAT is available electronically on Kaizen, and this is the format in which it should be submitted for marking. There are Word versions available as templates and exemplars, but these are for illustration only.

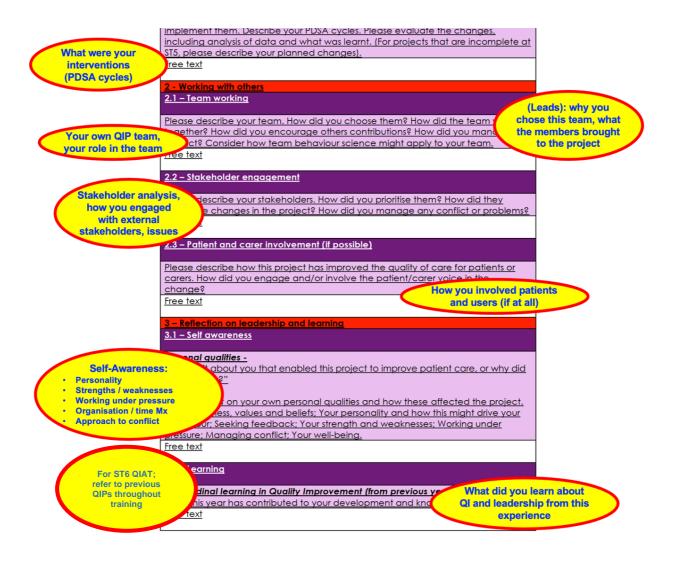
QIATs can be generated in Kaizen by entering QIAT in the search window and there are 4 form options: QIAT (EM ST/CT1-ST/CT2) for those in core training QIAT (ST3) for Intermediate QIAT (ST4/ST5) for Higher trainees QIAT (EM ST6) for ST6 trainees who remain on the 2015 curriculum

From August 2022, ST6 trainees on the 2021 Curriculum will use the same form as ST4/ST5

# What do I put in the QIAT?

The QIAT requires 3 main areas of content: a report of the project itself, an account of working with others, and reflection and learning from the journey conducting the project. Below is a run-down of each section, with annotations on what should be included therein:





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		year, based on this learning
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	the Quality Improvement activity y	/our trainee
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There is also an annotated run-through of an exemplar QIAT, in the appendix. With a reasonable amount of detail, a good QIAT should cover the equivalent of 7-8 pages of A4.

# What accompanying evidence should I include?

There should be some evidence which won't fit in the QIAT. This should be uploaded into the trainee's document library. For the assessors' convenience, all uploads should be stored in a dedicated folder for the QIP. It is also recommended that you link every piece of evidence to the QIAT itself. Suggestions for evidence might include (*neither a mandatory nor an exhaustive list*)

- Driver diagram
- Stakeholder analysis
- Process map
- Fishbone diagram
- Run charts of data (or other graphical representation)
- Tabulated data
- Guidelines / pathways / SOPs

- Posters and other comms
- Teaching / QIP presentation slides

# Whom do I send it to?



# How is the QIAT marked?

The assessment process should follow one or two steps, as illustrated above.

*Educational Supervisor*. The ES should sign-off on the project after sitting down and reviewing the trainee's activity on the QIP. There should be comments about what the trainee did well, what they could have done better, and recommendations for further learning.

Regional Panel (ST6 only): The Regional Panellist will review the QIAT and the uploaded evidence before awarding a mark.

The Regional QI Panel is chaired by the Regional QI Lead, and consists of consultants from all across the region. They are experienced in supervising QIPs, are departmental QI leads and/or have marked FRCEM QIPs.

The QIAT may be graded excellent, satisfactory, or unsatisfactory. *If unsatisfactory, this will result in an Outcome 5 at ARCP. If it is the final ARCP, an Outcome 3 will result.* 

## I have already passed the FRCEM QIP. What do I do?

If you have passed the FRCEM QIP, the QIAT is not a requirement for an Outcome 1 at ARCP. However, in the interests of lifelong learning in QI, it's good practice to continue QI activity during your training and record it in a QIAT for submission at ARCP. The FRCEM QIP gives you exemption from mandatory IATs until 2028.

# I have only been in post for 6 months. Do I have enough to include in the QIAT?

Your QIAT(s) should record the period of time covered by the ARCP. If the ARCP period covers two posts, there should be a QIAT for each post. You can't be expected to have completed a QI project from start to finish in six months, but you will be expected to engage in QI in some form.

# What if I'm on a CESR pathway?

CESR trainees had a period of 'grace' to submit an FRCEM QIP which ended in February 2022. As they must now follow the RCEM 2021 curriculum, they should accordingly produce a QIAT once a year. The QIAT should be the post-August 2022 form which requires only the educational supervisor's sign-off. Most CESR trainees will have their own annual review – be it a form of ARCP or annual appraisal – and it is suggested that the QIAT be reviewed at this meeting. Signed-off QIATs should be included in the final CESR portfolio for submission to the GMC.

## Where can I find out more about the process?

As mentioned, the College has produced an informative, detailed account of the generic SLOs, including SLO 11, which can be found <u>here</u>. There are also some resources which are available at a regional level.

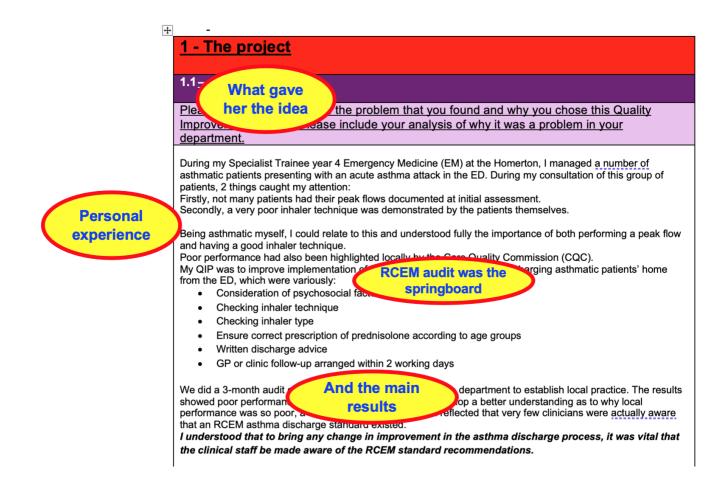
This is an open access folder of pan-London QI Training Day resources, which includes subfolders:

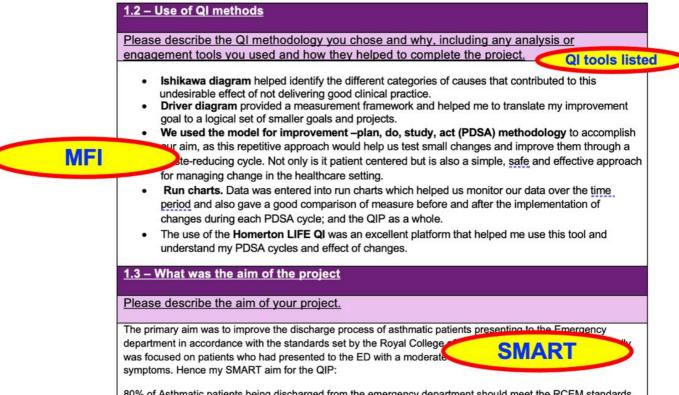
- <u>Slides</u> of the talks and workshops
- <u>Videos</u>
- Exemplar and template <u>QIATs</u>

The College also has a comprehensive <u>guide to Quality Improvement</u>, which covers key aspects of QI methodology in general.

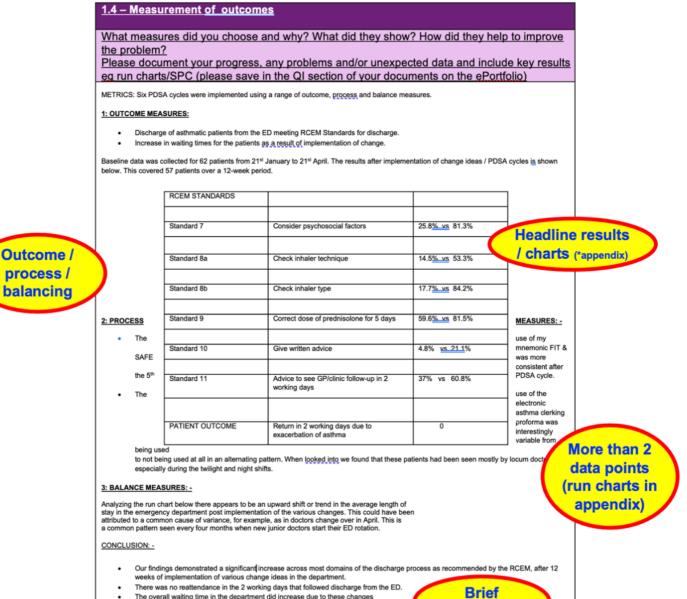
# **APPENDIX: an annotated exemplar QIAT**

Shared with the express consent of the trainee who authored it





80% of Asthmatic patients being discharged from the emergency department should meet the RCEM standards by the end of July 2019.



findings

The overall waiting time in the department did increase due to these changes

### 1.5 - Evaluation of change

What changes did you decide to make during the project and how did you implement them. Describe your PDSA cycles. Please evaluate the changes, including analysis of data and what was learnt. (For projects that are incomplete at ST5, please describe your planned changes).

THE ITERATIVE PROCESS: We implemented two small change ideas over a period of 12 weeks. The first change (regular updates and reminders) consisted of four PDSA cycles, and the second change (improving documentation) consisted of two PDSA cycles.

### FIRST CHANGE: - REGULAR UPDATES AND REMINDERS:

### PDSA Cycle 1 of 4: To create awareness about the six RCEM standards of discharge of asthmatic patients from the ED by email to all practitioners on the 10th of May 2019.

### PLAN & DO: -

On the 10<sup>th</sup> of May an email was sent out to all emergency doctors and nurse practitioners. The aim was to communicate and remind colleagues about the six standards of discharge of asthmatic patients as was defined by the RCEM. It was a quick, safe and relatively easy method of communication which was both time and cost effective

#### STUDY & ACT: -

For the week that followed (12/5/19 to 18/5/19) the 6 RCEM standards were measured and the results were encouraging. RCEM standard 7(- con What were your measured 80% and standard 8b and 9

internet in a	
interventions	
PDSA CYCLE 2 of 4: To create (PDSA cycles) about RCEM standards of discharge	e of
asthmatic patients from the ED with	

### PLAN & DO: -

A week after the first email was sent out figures showed that some of the measures showed improvement whilst others did not. Chatting to junior doctors on shop floor highlighted that there was an element of "not recalling' all six elements. I invented the mnemonic FIT & SAFE and emailed it to the same group of practitioners.

The mnemonic was simple to remember and implement.

- Factors psychosocial considered
- Inhaler technique checked-satisfactory
- Type of inhaler used- satisfactory ⊳
- & > Steroid / prednisolone dose appropriate for age
- > Advice on discharge written up.
- Follow up with GP/clinic arranged within 2 working days
- Ending smoking advice if appropriate

### STUDY & ACT: -

The following week's results (19/5/19 to 25/5/19) were measured and 3of the 6 outcomes were on or above target. However, I was surprised to see RCEM standard 9, which refers to the correct prescription of prednisolone- drop to 20% that week.

When analyzed, I noted that for 2 patients the dose was correct (40mg) but it was prescribed for 3 days instead of 5 days. Both these were on the late evening shift. For another patient it was not deemed necessary to give steroids despite giving nebulizers in the department, and for another patient the patient had absconded

