

BMJ

Quality Improvement Programme

Everything you need to
IMPROVE HEATHCARE
in one place...



Mentor



Pharmacists



Intro Video

Students



Workbook



Nurses



Doctors



Journal

Paramedics



Tools

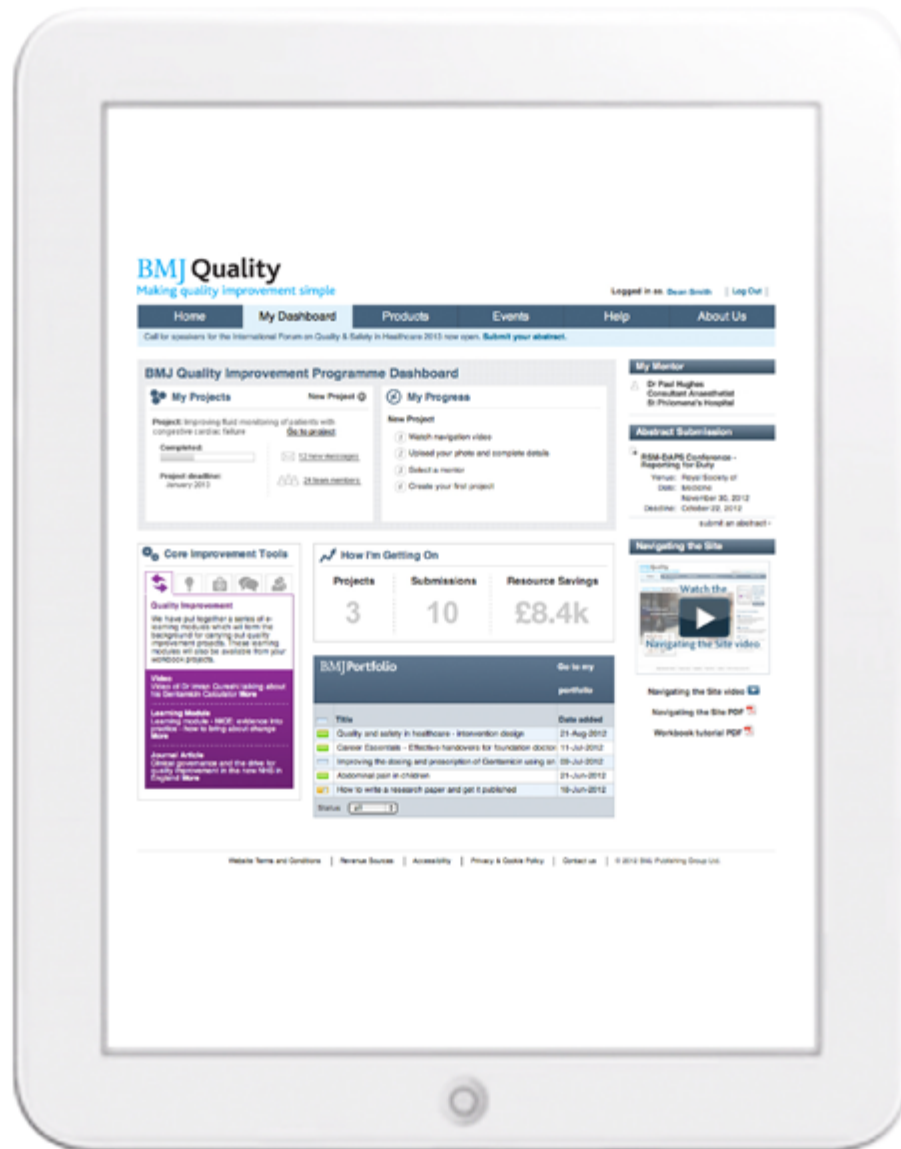


Managers



Physiotherapists

NEW to the BMJ Group



See it in action. Watch the video at quality.bmj.com

Make a real difference to patient care

As a healthcare professional working on the frontline you get a unique insight into the care patients receive. We also believe you have the ideas to make that care better.

Innovative healthcare professionals are already helping to improve outcomes, reduce patient harm and save valuable resources. We want you to join them - and the BMJ Quality Improvement Programme is designed to help you do that.

Built by healthcare professionals, it takes you step-by-step through an improvement project to make a real difference for your patients and meet your professional requirements.

How healthcare professionals have improved care

- Improved surgical handover which increased the discharge of suitable patients at weekends from 5% to 20%
- An educational programme which improved correct prescribing for Parkinson's disease from 43% to 82%
- Developed a new calculation tool which led to a three-fold increase in accurate dosage of gentamicin

You can read about these and other improvement projects in *BMJ Quality Improvement Reports* at qir.bmj.com.

How the BMJ Quality Improvement Programme helps

- An **online workbook** to guide you step-by-step through a quality improvement project
- **Bespoke online learning modules** which teach you the fundamentals
- **Case examples, tutorials and templates**
- The opportunity to **publish** your work in *BMJ Quality Improvement Reports* - a new peer-reviewed journal of quality improvement evidence
- The ability to **bring your clinical mentor** (or find a volunteer mentor from our programme) to guide and review your work

Quality improvement is superseding clinical audit as a mandatory part of training and this programme also helps meet your professional requirements.

Your Dashboard

The Dashboard is your personalised homepage designed to show you a snapshot of where you are in your quality improvement project.

Progress Bar

View the progress of your projects at a glance

Messages

View any waiting messages from your personal mentor

Members

Record the other individuals working in your team

Core Improvement Tools

Access learning modules, tutorials and templates

BMJ Quality Improvement Programme Dashboard

My Projects

Project: Improving fluid monitoring of patients with congestive cardiac failure

Completed:

Project deadline: January 2013

12 new messages

24 team members

My Progress

New Project

- 1 Watch navigation video
- 2 Upload your photo and complete details
- 3 Select a mentor
- 4 Create your first project

Core Improvement Tools

- Quality Improvement**
We have put together a series of e-learning modules which will form the background for carrying out quality improvement projects. These learning modules will also be available from your workbook projects.
- Video**
Video of Dr Imran Qureshi talking about his Gentamicin Calculator [More](#)
- Learning Module**
Learning module - NICE: evidence into practice - how to bring about change [More](#)
- Journal Article**
Clinical governance and the drive for quality improvement in the new NHS in England [More](#)

How I'm Getting On

Projects	Submissions	Resource Savings
3	10	£8.4k

BMJ Portfolio

Go to my portfolio

Title	Date added
Quality and safety in healthcare - intervention design	21-Aug-2012
Career Essentials - Effective handovers for foundation doctor	11-Jul-2012
Improving the dosing and prescription of Gentamicin using an	09-Jul-2012
Abdominal pain in children	21-Jun-2012
How to write a research paper and get it published	18-Jun-2012

Status:

My Progress

Easily view where you are and the next steps in your project

How I'm Getting On

See a running total of the projects you are working on, journal submissions made and resources saved

Portfolio

Effortlessly track your learning and CPD with a personalised ePortfolio

'Using the BMJ Quality Improvement Programme made undertaking my quality improvement project extremely straightforward.'

(Pharmacist, London)

Your Workbook

Submitted: Improving Patient Follow Up in a DGH
This project has been submitted for peer review and can no longer be modified.

Project start: 31/07/2012 Category:

Team members: 1 (Manage) Organisation: Ashford and St Peters NHS Foundation Trust

1 Section 1 Setting the Scene **2 Section 2** Doing the Work **3 Section 3** Bringing it Together

- Step 1 - What Did You Learn?
- Step 2 - Final Thoughts
- Step 3 - Roll-out
- Step 4 - Money Matters
- Step 5 - Abstract**
- Step 6 - References
- Step 7 - Before You Submit

The very final part of your journey is to write the abstract for your publication. Your abstract must reflect whatever is written in your project and should be brief, about 250 words. It is meant to be a concise synopsis of your work and not a re-write of the whole project.

Note that there is a worked example below the workbook for this section.

Abstract
Background: Follow up is a vital part of on-going patient safety. It allows for subsequent investigations to be checked and acted upon, encourages specialist review of patients and ensures that patients with chronic conditions receive the appropriate secondary care input. Aims and Objectives: This study aims to highlight and quantify current problems with how follow up arrangements are made within our hospital and provide a suitable solution to ensure these problems are minimised.
Methods: 20 sets of clinical notes were analysed for plans of follow up and then compared

Resources:
[Introduction to Work Lists](#)
[Systems](#)
[Human Factors](#)

Save Previous Next Submit

Completed Example:

Abstract
Gentamicin is an aminoglycoside antibiotic which is used predominantly in gram negative infections but also has anti-staphylococcal activity. It is commonly used because of its lack of diflogenicity. There are recognised issues with its initial dosing and more importantly maintenance dosing which is dependent on accurate serum level monitoring and interpretation. Interpretation in turn is dependent on accurate information being written on the request form when the serum level is sent.

A baseline study demonstrated that forms were only being completed

Tips:
To ensure that you finish your project quickly, try and keep in regular contact with your mentor. They will be of invaluable assistance.

Workbook Tutorial:
Click the Tutorial button below to open a tutorial which will help you to navigate the workbook.

[Tutorial](#)

Instructions
Comprehensive instructions every step of the way

Your Record
Document and save your work as your project progresses

Example
Helpful examples to help you complete each section

Resources
Learning modules, tutorials and templates

The online workbook systematically guides you step-by-step through a quality improvement project with resources, tools and examples along the way. Each step explains what you should be doing and how to document your work.

The workbook is split into three sections:

- 1. Setting the scene**
Helping you define and plan your project
- 2. Doing the work**
The practical aspects of carrying out an improvement
- 3. Bringing it all together**
Assists you finalise the outcomes and document your work

When you have completed your workbook you can submit your improvement project to be considered for publication in *BMJ Quality Improvement Reports* - which looks great on your CV. The workbook and the submitted report is structured on the internationally recognised SQUIRE guidelines for quality improvement.

'The workbook made it easy for me to record my work – and I really liked that I can submit it to a journal with just one-click!'
(ST4 Psychiatry, London)

Your Mentor

Mentor

Connect with your own mentor or find a volunteer mentor from our programme

Dr Sarah Hammond
Consultant Anaesthetist
St George's Healthcare NHS Trust

Sarah qualified from Nottingham in 2000. She is an Anaesthetist at St George's Healthcare Trust with an interest in Obstetric Anaesthesia. Sarah has a strong background in patient safety. She is one of the lead Consultants for simulation training at St George's and has a particular interest in Human Factors. She has co-authored part of a book entitled 'An Introduction to Clinical Governance and Patient Safety: The e-nurs GAPS (Coding Advancing Patient Safety)' with Iwan Curral and Sukhmeet Panesar.

Ask a Question / Make a Comment
Type your question and click the Submit button below.

Previous Questions / Comments

Message	Date Added
Hi Sarah, I just wanted to let you know that my abstract has been accepted for the International Forum in 2013! See response >	14 Mar 2012
I've completed my write-up for this project along with the PowerPoint presentation for the directorate reading. See response >	22 Apr 2012
Hi, I am just in the process of collating all of my data and was wondering what sort of statistical analysis I See response >	9 Apr 2012
Hi Sarah, just wanted to let you know that I am getting some real consistency in my testing which is fantastic. See response >	23 Mar 2012
Oh, so I've done my second PCSA cycle and all seems to be going well! I haven't encountered that hiccup yet. See response >	17 Mar 2012
The nurses on the ward were very helpful when I was doing my baseline audit and I managed to ask 50 See response >	14 Mar 2012
Took my proposal to the junior doctors forum and everyone seems really up for it which is great, can I let See response >	22 Feb 2012
I spoke to the IT chap about getting this little up and running, but it seems like there's going to be some See response >	9 Feb 2012
Hi, I am not quite sure what my measures are going to be? What is the difference between and outcome and See response >	13 Jan 2012
Hi Sarah, is it possible for us to meet to have our introductory meeting next week some time? See response >	17 Dec 2011

Communication Box

Send messages or questions to your mentor direct from your online programme

Having a mentor to guide and offer advice can greatly enhance the improvement you can make. Our programme allows you to invite your existing mentor, usually your clinical consultant or improvement expert from your organisation, who can view your project in real-time and guide you as your progress.

Once you have invited a mentor they get free access to the programme and are linked to your profile. Mentors are given their own space where they can view your workbook and use our communication tools and resources to support your project. For those without a mentor we have created a 'find a mentor' tool which helps match users with volunteer mentors.

Messages

View questions and responses between you and your mentor

Learning Tools, Resources & Templates

You are currently not logged in to BMJ Learning. [Sign up for email alerts from BMJ Learning](#) [Recommend BMJ Learning to your institution](#)

Quality and safety in healthcare - systems

Learning outcomes

After completing this module you should:

- Be able to understand what a system is and how it relates to health care
- Be able to appreciate that the majority of errors that occur in health care are related to systems and not workers
- Be able to understand what makes a system reliable and safe
- Know how to understand a clinical case from a systems perspective
- Be able to understand what latent conditions are.

Author
BMJ Learning

Accreditation

ACCREDITOR	CREDITS	ACCREDITATION STATEMENT
Austrian Academy of Physicians	1 credit, 100 hour	BMJ Learning modules have been certified for DFP Purposes, which are accepted in Austria
BMJ Learning	1 credit, 100 hour	BMJ Learning has assigned one hour of CPD/CME credit to this module
Dubai Health Authority	1 credit, 100 hour	BMJ Learning is approved as a CME resource by the Dubai Health Authority (accreditation number 029411)
EPHSS - Educational Providers Accreditation Scheme (Scotland)	1 credit, 100 hour	Accredited by EPHSS - Educational Providers Accreditation Scheme (Scotland) from the Royal College of General Practitioners (Scotland)

The BMJ Quality Improvement Programme offers over 20 online learning modules, tools and resources to help you with your project. Whatever your level of experience our learning modules have been created to enhance your knowledge. Modules include:

- Introduction to patient safety
- Systems
- Human factors
- Clinical leadership
- Measurement
- Intervention design
- Stakeholder relations
- Methods for improvement

Once you've completed a learning module you'll get a certificate of completion you can download for your CPD portfolio.

Publish Your Work

BMJ Qual Improv Report 2012;1: doi:10.1136/bmjquality.u134.w317

Junior Doctors Quality Improvement Programme

Improving the correct prescription and dosage of gentamicin

© ⓘ OPEN ACCESS

Dr. Imran Qureshi, Mr. Hani Habayeb, Dr. Clive Grundy

Correspondence to
Dr. Imran Qureshi, reachimyo@gmail.com

Summary

Gentamicin is an amino glycoside antibiotic, which is used predominantly in gram-negative infections but also has anti-staphylococcal activity. It is commonly used because of its lack of diffogenicity. There are recognised issues with its dosing of which time is a major factor.

A baseline study demonstrated that dosing was only being carried out correctly time. This has serious consequences for the treatment of infections. This quality project intervened with the use of a gentamicin calculator, which enabled users three complex mathematical equations simultaneously without error. Post meal demonstrated that correct dosing had increased to 92%, which was a significant

Problem

Gentamicin dosing and prescription is often carried out incorrectly, despite very Gentamicin is one of the few antibiotics which is weight-dependent in adults. The which gentamicin needs to be prescribed is the patient's own body weight. This



Once you have completed your workbook you can submit it to *BMJ Quality Improvement Reports* with a single click. This is a new peer-reviewed open access journal of global quality improvement evidence and best practice which is fully citable and Medline indexed.

The journal only accepts submissions from our SQUIRE guideline formatted BMJ Quality Improvement Programme to ensure high quality submissions which are searchable. Your report will be peer-reviewed and then, when accepted, published in one of 23 clinical categories.

You can then openly reference your improvement report in your CV and appraisals. The journal is also accessible online without a subscription.

Start Your Improvement Journey

Individual access

A one year subscription to the BMJ Quality Improvement Programme costs just £49 (incl. VAT) for a limited period (until end of March 2013) and includes all the following:

- An **online workbook** to guide you step-by-step through a quality improvement project
- Bespoke **online learning modules**
- **Case examples, tutorials and templates**
- The opportunity to **publish** your work in *BMJ Quality Improvement Reports*
- The ability to **bring your clinical mentor** (or find a volunteer from our programme) to guide and review your work

You can complete unlimited projects and submissions to *BMJ Quality Improvement Reports* whilst your subscription remains active.

To sign-up today visit quality.bmj.com/improvementprogramme

Mentor access

Access is free for mentors when invited by a junior doctor with a subscription. Once registered, a mentor will be able to view the workbooks of their mentees and access mentor tools and resources. They will not be able to create any new projects.

Institutional access

The BMJ Quality Improvement Programme is designed to help large groups of healthcare professionals improve care within their organisation. For more information about our institutional packages and how it can provide improvement resources for your organisation please contact us.

For further information on any of the BMJ Quality Improvement Programmes please visit quality.bmj.com or email us at quality@bmj.com.

BMJ Quality

Making healthcare improvement simple

About BMJ Quality

Building on the BMJ Group strengths of using evidence and best practice we aim to empower clinicians and organisations to play a more active role in helping to achieve better outcomes for patients.

About BMJ Quality Improvement Programmes

For individuals

Developed by practising healthcare professionals the BMJ Quality Improvement Programmes make it simple for anyone to carry out a healthcare improvement project. Our programmes are customised for each professional and geographical group, including:

- Junior doctors
- Pharmacists
- Nurses
- GPs
- Medical students

For organisations

Designed for collaborative improvement our organisational programmes provide a complete solution tailored to your clinical, financial and regulatory goals. We aim to help you deliver measurable improvement in quality whilst saving resources.

Focused around one clinical condition we guide your organisation 'step-by-step' through a healthcare improvement project, typically over one year.

Contacts

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