



Strengthening research output



What is it?

Research to Publication is a research methodology and publishing programme from BMJ and UCSF for anyone involved in health research, particularly early in their careers. It develops research skills and helps researchers to get papers published.

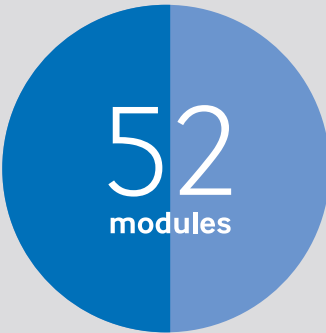
Modules are organised into 8 courses, following the research cycle.

1. Developing and reporting good research questions
2. Making the best start to your research and publishing
3. Picking the best study designs and methods
4. Ensuring and reporting research ethics
5. How to write research papers that can be trusted and used
6. Special considerations for conducting clinical trials
7. Submitting research to a journal and achieving publication
8. Understanding and avoiding scientific misconduct

More than simply a course on “how to write a paper”, *Research to Publication* covers, in depth, everything from developing good research questions and the best study designs (given local circumstances), through to reporting studies and understanding what editors and peer reviewers are really looking for.

All materials include real examples, including policies and case studies about doing and publishing research from low and middle income countries.

This programme has been developed in collaboration with UCSF’s Clinical and Translational Science Unit – to help medical schools and other research institutions to build their curricula.



Who should consider a subscription?

Anyone conducting research on medicine, health care, public health, and epidemiology—or any staff responsible for fostering a culture of research and publication at their institution. This may include:

- **doctors**
- **nurses**
- **health economists**
- **health services researchers**
- **systematic reviewers**
- **students**
- **research officers and managers**
- **research integrity offices**

How will subscribers and course participants benefit from Research to Publication?

It removes the obstacles that prevent many researchers (especially those at the start of their research career) from getting published in high-impact, peer-reviewed journals.

Offering researchers the critical advice on research design, medical ethics, and the journal publication process brings the following benefits for both themselves and their institution:

- The authors help advance their own careers
- The originating institution gains greater international recognition
- Recognised contributions to medical knowledge help attract more funding
- New evidence improves patient outcomes

The publishing solution for researchers and institutions

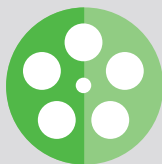
Every day, BMJ witnesses the challenges researchers face, and is made aware of the growing desire of universities to provide their students and faculty with the support and training they need to get published in high-impact journals. This includes developing sound research skills and instilling high ethical standards.



Self-directed
online study



Flexible
learning



Video
lectures



Narrated
slides



Reading
materials



Assessments
(MCQs)



Certificate of
completion



Institutional
dashboards

Benefits checklist

- ✓ The only programme that combines the expertise of a world-class medical publisher with that of a world-leading university teaching medical research skills
- ✓ Focused on clinical and public health research
- ✓ Comprehensive: 8 courses comprising of 52 highly-detailed modules
- ✓ Flexible: courses are modular so can be completed at the learner's own pace
- ✓ Supports research integrity and drives high ethical standards
- ✓ Builds technical research capabilities
- ✓ Drives research quality and acceptance rates in high-impact, international journals
- ✓ Offers practical advice in a user-friendly multimedia format
- ✓ Helps institutions raise their research capabilities to improve recognition and increase funding
- ✓ Provides individuals with flexible and versatile resource to develop the skills that increasingly determine career success (or failure)
- ✓ Offers the option for integration into a Masters programme
- ✓ Certificate of Completion from BMJ and UCSF for every module and course passed
- ✓ 75% discount on APCs for protocols submitted to BMJ Open on completion of the 'Making the best start to your research and publishing' course.



For further information on Research to Publication benefits, please contact:

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What Research to Publication users are already saying about their learning experience:

“An extremely interesting module that tackles an enormous problem everyone in the health industry faces.”

GP/Family Physician, Portugal

“Very useful. This issue is very critical to all new authors and I believe it’s very well covered in this module. I enjoyed reading the article by the doctor who was “ a plagiarist “. Many useful lessons.

Specialist/Consultant, Ophthalmology, UK

“The module is very clear on principles of scientific integrity and examples of malpractice.”

Physiology, Rawanda

“Very interesting - thank you”

Consultant, Mexico

“Wonderful lecture! It was very clear and informative.”

GP, Iraq

Courses and modules



1. Developing and reporting good research questions

- Course introduction and the research question
- The introduction: presenting the research question



2. Making the best start to your research and publishing

- How to write and publish a study protocol: overview
- Clinical trial protocols: how to write and publish them
- How to write a research protocol for a grant application
- Good medical writing
- Choosing and citing references



3. Picking the best study designs and methods

- Study design
- Studies of medical tests
- Enhancing causal inference
- The methods: matching study designs to research questions
- Subjects and variables
- Sample size and power
- Statistics
- Questionnaires and qualitative research



4. Ensuring and reporting research ethics

- Ethical considerations in research
- History of research ethics
- Institutional review board (IRB) and informed consent
- Ethics aspects of study methods
- Data and safety monitoring
- Principles of research ethics
- Ethics in “big data” research
- Research in resource-poor environments



5. How to write research papers that can be trusted and used

- Reporting statistical methods and analyses
- The results: reporting all findings succinctly
- Scientific transparency: the pitfalls of selective reporting
- The discussion: using structure and balance
- Optimising the abstract and title



6. Special considerations for conducting clinical trials

- Course overview and trial designs
- Selection of participants
- Recruitment
- Choosing the interventions and controls
- Randomization
- Blinding
- Outcome measures
- Assessing safety
- Adherence and complete follow up
- Ethical issues in clinical trials
- Regulatory issues
- How to write up industry-sponsored trials



7. Submitting research to a journal and achieving publication

- Navigating journal and peer review processes
- Compliance with journal and ICMJE requirements
- Patients' consent for publication
- Surviving peer review
- What to do with rejections and appeals
- Pre-submission inquiries and cover letters



8. Understanding and avoiding scientific misconduct

- Scientific misconduct, authorship and conflict of interest
- Reporting conflicts of interest
- Journal rules on authorship
- How and why to avoid plagiarism
- How journals uncover scientific fraud
- How journals act on scientific misconduct

World-class educators

The modules are written and presented by some of the foremost experts in research and publication, including several co-authors of the seminal textbook *Designing Clinical Research*. All the educators are published authors in their own right and include:

- Prof Deborah Grady, Associate Dean of Clinical and Translational Research at UCSF
- Dr Trish Groves, Associate editor, The BMJ, and Editorial consultant

About BMJ

BMJ is a healthcare knowledge provider that advances healthcare worldwide by sharing knowledge and expertise to improve experiences, outcomes and value.

From individual clinicians to major healthcare provider organisations, our range of products and services support healthcare delivery with emphasis on quality improvement and professional development.

About UCSF

The University of California San Francisco is focused entirely on healthcare and is one of the world's leading medical schools. For years it has trained medical researchers through various postgraduate programmes.

For further information

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