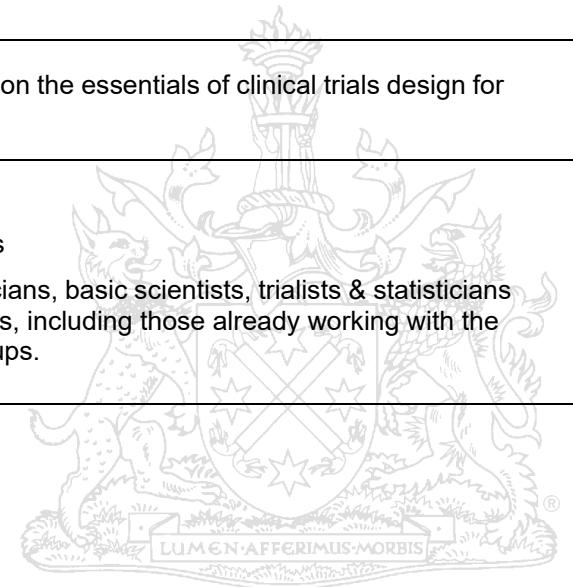


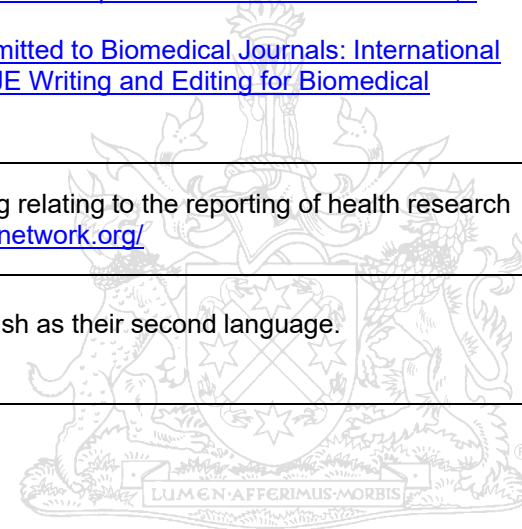


STATISTICAL METHODS, EVIDENCE APPRAISAL & RESEARCH FOR TRAINEES (SMART)

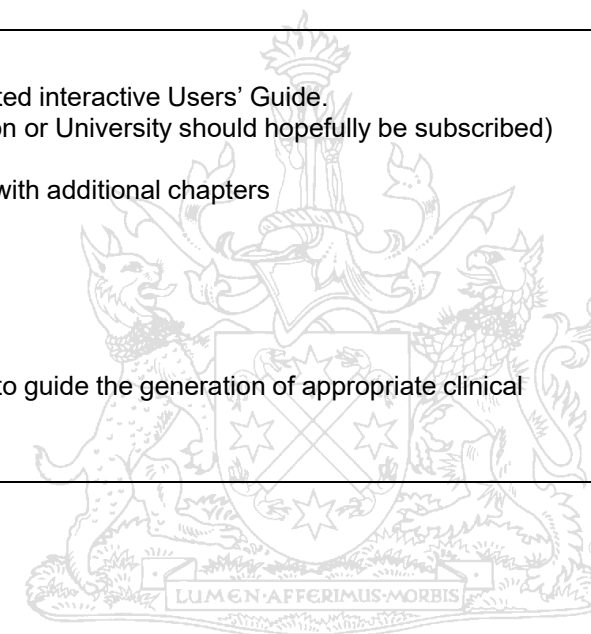
RESOURCE LIST				
Below is the College endorsed list of recommended resources for meeting the SMART Points Program Component. This list will provide resources to assist a trainee in completing a SMART activity & when completing their research manuscript. Please note that this list is not exhaustive.				
Topic	Resource Type	Number	Resource Name	Links & Information for Resource
Research	Websites	1	UK National Health System Research Flowchart	This is a tool providing resources and points for consideration for all stages of the research process: from formulating a research question to the reporting and dissemination of new findings. http://www.shoulderdoc.co.uk/documents/research_flowchart.pdf
		2	Trog Website	This website has a number of useful resources and templates (some sections are members only and password protected). http://trog.com.au/ <ul style="list-style-type: none"> • Trial Development Resources document – outlines all the steps required in designing and conducting a trial. • Templates - New Trial Proposal Synopsis, Feasibility Survey, Protocol Template, Reporting Templates etc. • TROG trial-related guidelines, policies, and procedures.
	Courses	4	Acord Workshop	A weeklong intensive training program focused on the essentials of clinical trials design for cancer researchers. http://www.acord.org.au/
		5	NHMRC Clinical Trials Centre Development Workshop	Day 1 - Cancer Clinical Trials Day 2 - Cancer Translational Research Projects Participants: cancer researchers including clinicians, basic scientists, trialists & statisticians interested in working on multicentre clinical trials, including those already working with the NHMRC CTC and Oncology Collaborative Groups.



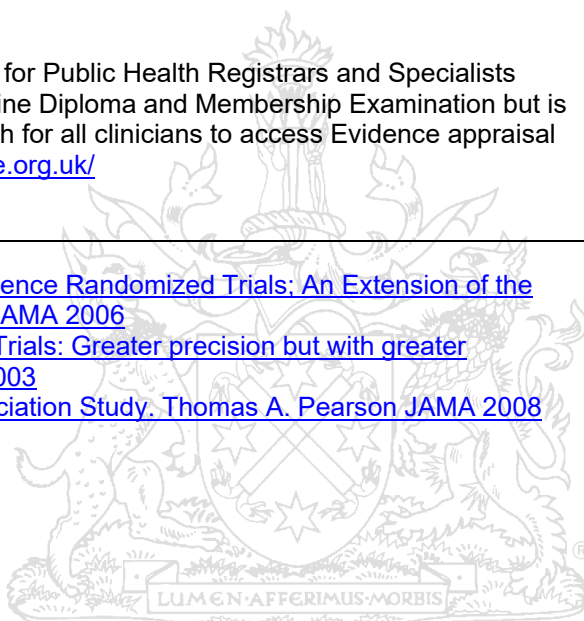
Topic	Resource Type	Number	Resource Name	Links & Information for Resource
Research cont.		6	Cochrane Workshops	These workshops are held regularly throughout Australia and New Zealand. They are free to persons who have registered a title with the Cochrane Collaboration, and propose to do a Cochrane Systematic review. http://www.cochrane.org/
	Useful Computer Programmes	7	Endnote Reference Manager	Training courses will be available through the University library affiliated with your hospital.
		8	File-Maker Pro Or MS Access	
		9	Papers For MAC	This is a great cheap programme for managing all your PDFs on Mac computers. http://www.mekentosj.com/papers
	Analysing Data Articles	10	Hypothesis Testing, Study Power And Sample Size.	http://www.ronbun.jp/chest/pdf/46.pdf
	Writing up Your Research Articles	11	Various Articles To Help You Write Up Your Research.	<ol style="list-style-type: none"> http://www.tomlangcommunications.com/Publications.htm2 http://www.ncbi.nlm.nih.gov/pubmed/20233312. What makes a high-quality clinical research paper? Groves T Oral Dis. 2010; 16(4): 313 -315. Preparing reports for publication and responding to reviewers' comments Guyatt GH, Brian Haynes R. Journal of clinical epidemiology 2006 Sep;59 (9):900-62.1.12 Strategies to successfully publish your first manuscript. Veness M. JMIRO 2010 54;4 395-400 Uniform Requirements for Manuscripts Submitted to Biomedical Journals: International Committee of Medical Journal Editors (ICMJE Writing and Editing for Biomedical Publication. (Updated 2010)
	Writing up Your Research Websites	12	Equator Network	Excellent source of resources, education and training relating to the reporting of health research and use of reporting guidelines. http://www.equator-network.org/
		13	Academic Phrase-Bank	This is a useful resource for trainees who have English as their second language. http://www.phrasebank.manchester.ac.uk/



Topic	Resource Type	Number	Resource Name	Links & Information for Resource
Research cont.	Writing up your Research Courses	14	Biomedical Scientific Writing Course	http://www.inter-biotec.com/biowc/biowc.html
	Writing a Literature Review	15	Writing A Literature Review	University of Toronto link which gives advice about writing a literature review. http://www.writing.utoronto.ca/advice/specific-types-of-writing/literature-review
Statistical Methods, Evidence Appraisal & Research	Courses	16	Trog - FRO Trainee Statistics & Research Workshop	This is a purpose designed interactive workshop aimed at introducing and explaining the key concepts important for critical appraisal and designing and evaluating research. There are two complementary workshops (run on alternate years on the day before the TROG Annual Scientific Meeting). The course is filmed and available to be accessed through the College's Learning Management System for trainee's that are unable to attend in person.
Statistical Methods & Evidence Appraisal	Websites	17	Users' Guide To The Medical Literature – Old Online Interactive Version.	Users Guides to the Medical Literature. A Manual for evidence-based clinical practice, 2 nd edition. G Guyatt, D Rennie, M O'Meade, D Cook. ISBN:978-0-07-159036-5
		18	JAMA Evidence.Com	New and expanded EBM resource with updated interactive Users' Guide. Requires ongoing subscription (your institution or University should hopefully be subscribed) Includes: <ul style="list-style-type: none"> • interactive 2nd edition Users' Guide with additional chapters • podcasts • PowerPoint presentations • critical appraisal worksheets • calculators/ nomograms • EBM glossary • Self-assessment quiz's and wizards to guide the generation of appropriate clinical questions.



Topic	Resource Type	Number	Resource Name	Links & Information for Resource
Statistical Methods & Evidence Appraisal cont.		19	BMJ "How To Read A Paper"	Free access articles from the BMJ that explain how to read and interpret different kinds of research papers. BMJ "How to Read a Paper" – British Medical Journal series
		20	CMAJ Basic Statistics For Clinicians	Canadian Medical Association Journal series. CMAJ Basic Statistics For Clinicians
		21	Bandolier: Evidence Appraisal Website Glossary Of Terms.	http://www.medicine.ox.ac.uk/bandolier/glossary.html
		22	Evidence And Critical Appraisal Concepts	http://www.medicine.ox.ac.uk/bandolier/learnzone.html
		23	Extended Essays On Evidence Appraisal Topics	http://www.medicine.ox.ac.uk/bandolier/extra.html
		24	Health Knowledge: Interactive Learning Modules: Finding And Appraising The Evidence.	Initially created to support the revision process for Public Health Registrars and Specialists undertaking the Faculty of Public Health Medicine Diploma and Membership Examination but is now sponsored by the UK Department of Health for all clinicians to access Evidence appraisal learning materials. http://www.healthknowledge.org.uk/
	Articles	25	Articles From JAMA	<ol style="list-style-type: none"> Reporting of Noninferiority and Equivalence Randomized Trials: An Extension of the CONSORT Statement. Gilda Piaggio JAMA 2006 Composite Outcomes in Randomized Trials: Greater precision but with greater uncertainty? Nick Freemantle JAMA 2003 How to Interpret a Genome-wide Association Study. Thomas A. Pearson JAMA 2008



Topic	Resource Type	Number	Resource Name	Links & Information for Resource
Statistical Methods & Evidence Appraisal cont.	Courses	26	IAEA Online Modules	<p>The distance learning material contains eight topics and 80 training modules. http://elearning.iaea.org/m2/course/index.php?categoryid=45</p> <ol style="list-style-type: none"> 1. Communication 2. Critical Appraisal 3. Functional Anatomy (Oncologically Relevant Anatomy) 4. Molecular Biology, Pathology and Pathogenesis 5. Patient Care (Palliative Science) 6. Physics and Radiation Technology 7. Radiobiology 8. Systemic Therapy for Cancer (Chemotherapy, Endocrine Therapy, Immunomodulators)
	Analysing Data Websites	27	Statistics At Square One	Statistics at square one (BMJ publication)
		28	BMJ “How To Read A Paper”	<ol style="list-style-type: none"> 1. Statistics for the non-statistician 2. Statistics for the non-statistician II: "Significant" relations and their pitfalls 3. BMJ “How to Read a Paper” – British Medical Journal series
		29	Equator Network – Guidelines For Reporting Statistical Methods And Analyses.	<p>This page provides links to recommended ways to report specific statistical methods. http://www.equator-network.org/</p> <ol style="list-style-type: none"> 1. Reporting of sub-group analyses in clinical trials (also look at the subsequent letters to the editor and responses). 2. Assessing and reporting heterogeneity in treatment effects in clinical trials. 3. Missing data 4. Multilevel modelling
		30	Stata	Excellent biostatistics program that does not require yearly subscription. CEBU in Melbourne (Royal Children’s Hospital) runs a training course for STATA in a few modules. http://www.survey-design.com.au/training.html
		31	Statistical Guidelines For TROG Trials	Working with a statistician for the research assignment is invaluable. Most departments will be associated with a university, if there is no statistical support available through the department, it may be possible to access some support through the university.

