



EVALUATING HEALTH DEVICES

Establishing safety,
effectiveness
and value

Professor Richard Lilford



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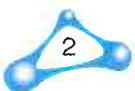
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CONTENTS

INTRODUCTION	5	The epidemiological considerations contingent on equipoise	16
What you can expect from this MATCH guide	6		
1. AVOIDANCE OF ERROR	7	6. THE BASICS OF MEDICAL DEVICE EVALUATION	17
The concept of bias	7	How do trials of devices differ from drug trials?	17
		Accounting for experience	17
2 SELECTION BIAS AND RANDOMISATION	8	Accounting for skill	19
Selection bias	8	When the device develops over the course of the trial	20
Randomisation	9	Tracker trials	20
3. MEASUREMENT BIAS AND MASKING	11	7. SAFETY	21
Measurement bias	11	The issue of safety and unexpected effects	21
Masking	11	Monitoring safety during trials	22
The use of masking on independent assessors	12		
The placebo effect	12		
4. DROP OUT AND CROSS-OVERS	13	8. SHAM PROCEDURES	23
		Sham procedures	23
5. THE ETHICS OF TRIALS: EQUIPOISE	14	Post randomisation consent and why it is a bad idea	24
What is equipoise?	14		
The ethical importance of equipoise	14		



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9. OBSERVATIONAL DATA – ROUTINE DATABASES	25	Powering around later decisions	34
10. TRIAL RESULTS	26	14. BAYES' THEOREM	35
Averages, effect-modifiers and baseline risk	26	Bayesian ingredients	35
The practical application of trial results	27	Misconceptions of Bayes' theorem	36
Sub-group effects	28	Types of 'prior'	36
11. THE GOVERNANCE OF CLINICAL STUDIES	29	Other uses for Bayes' theorem	37
Expense and risk	29	REFERENCES	38
Those willing to participate	29	Find Out More	38
The benefit of unrestricted entry	30	Acronyms	41
12. COST SAVINGS	31	About the Author	42
Rare outcomes	31		
Complications	31		
Cost data	32		
13. HOW LARGE SHOULD A TRIAL BE?	33		
False positive/negative results	33		
Calculating the probability of a false negative result	33		



Published in association with the NIHR Invention for Innovation (i4i) Programme by the Multidisciplinary Assessment Technology Centre for Healthcare (MATCH) Programme in 2009.

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Designed by Right Dynamic Ltd
Printed and Bound In Great Britain.

First published in the United Kingdom in 2009
by the Multidisciplinary Assessment Technology Centre for Healthcare (MATCH) Programme.

www.match.ac.uk

ISBN 978 0 9563412 0 4

This MATCH guide has been produced in association with the NIHR Invention for Innovation (i4i) Programme by the Multidisciplinary Assessment Technology Centre for Healthcare Programme.



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Right Dynamic Ltd
www.rightdynamic.com

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Professor Lilford has over ten years experience as Professor of Obstetrics and Gynaecology and over five years as Regional Director of R&D (RDRD) in the UK. Currently he is Head of School of Health & Population Sciences, Professor of Clinical Epidemiology in the University of Birmingham and Director of the Birmingham Clinical Research Academy.



Professor Lilford has been a trialist for many years and has instigated or contributed design of a large number of randomised studies. In particular, he has designed and led studies covering a very wide range of topics; covering psychological interventions, the clinical effects of information technology, different methods of organising services, diagnostic tests, medicines, surgical procedures and treatment policies.

He is also heavily involved in cost effectiveness and decision analytic modelling, having published on this subject over many years. As a user of model results, he is a past member of the NICE Appraisal Committee and the NICE R&D Committee. Professor Lilford has a track record in research methods, having published on the use of Bayesian methods for many years and on research ethics, particularly the ethics of clinical trials.

He is conversant with quantitative methods and has published on qualitative research, management research, and studies that integrate qualitative and quantitative results. He has published on the uptake of research findings into practice and on quality management in the NHS. Professor Lilford also has experience across the research commissioner/practitioner divide; directing the NHS Research Methods Programme, and also the Patient Safety Research Programme.

Thus, as an investigator, Professor Lilford is, perhaps almost uniquely, credible across an eclectic range of research methods and applications. Indeed, his research interests have not been confined to evaluative and clinical research, having also conducted laboratory research. Most importantly, Professor Lilford has a great love of clinical research, and this permeates all of his work.



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This guide is for anyone who is involved in evaluating medical devices, and particularly those in the industry who must decide how best to furnish the evidence.

Integrating the processes of building a base of evidence with business decision-making is not easy.

So this guide has been written to set out both the broad context of invention and development and the more specific elements around strategies for trials.

It covers well-worn pathways that have been proven with time, and some of the latest thinking around Tracker Trials.

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MATCH is a research collaboration between four leading UK universities in healthcare technology assessment, and a cohort of industrial partners. It is recognised and funded by the Engineering and Physical Sciences Research Council (EPSRC) as a centre of excellence in its field, having been awarded the status of Innovative Manufacturing Research centre (IMRC).

MATCH aims 'to support the healthcare technology sector and its user communities by creating methods to assess value from concept through to mature product and by engaging with regulatory bodies at home and abroad'. Online information regarding MATCH, its research projects, staff and partners together with a range of associated resources is available: www.match.ac.uk

ISBN 978 0 9563412 0 4
PRICE £25.00

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