



Second Edition

Community Medicine

Practical Guide

Including Research Methods and Biostatistics

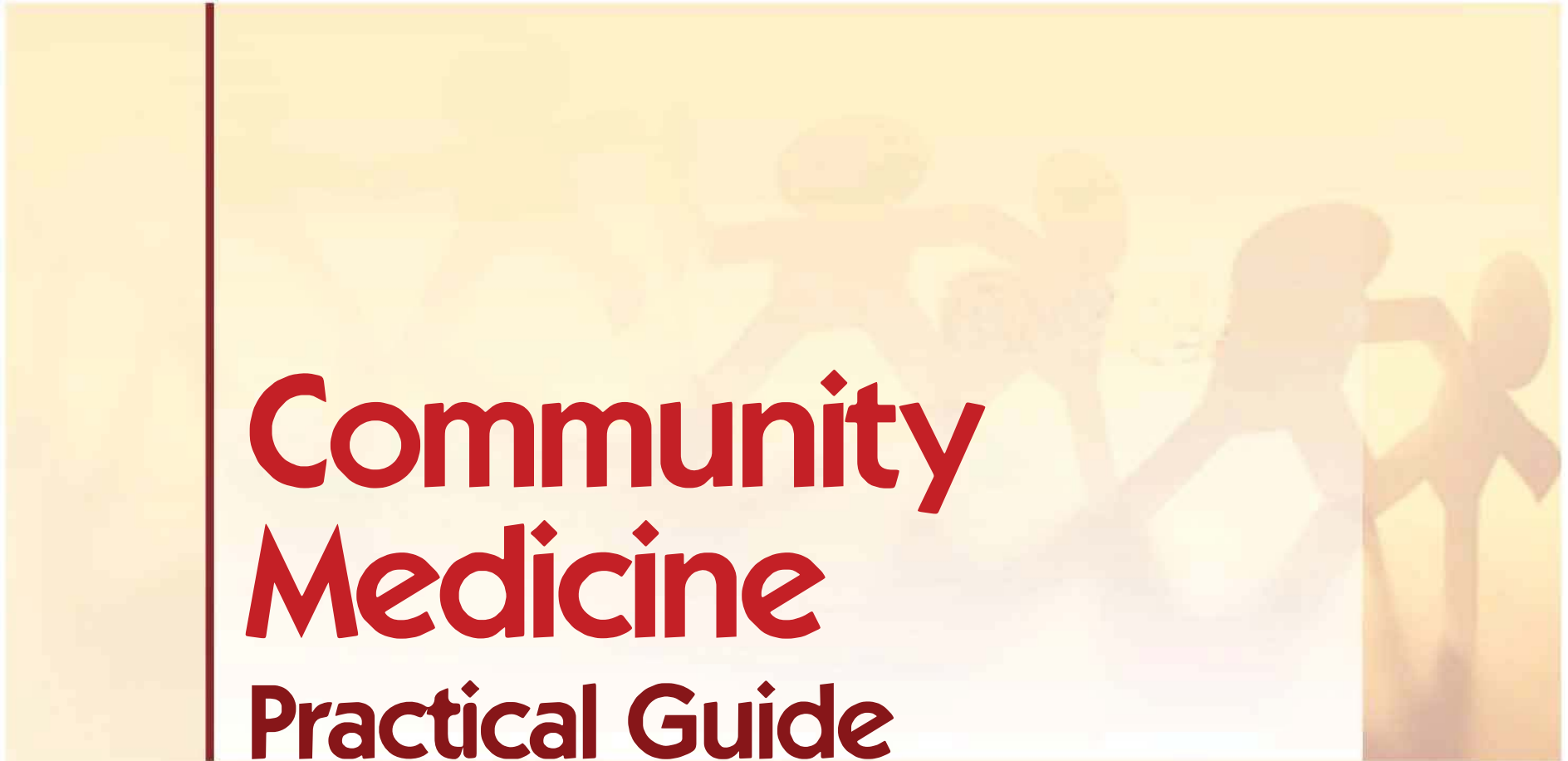


**Kusum Lata Gaur
Suresh C Soni
Rajeev Yadav**



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Community Medicine Practical Guide

Including Research Methods and Biostatistics

SECOND EDITION

Also separately available with this book

Community Medicine

Practical Logbook for Undergraduate Students

Community Medicine

Practical Logbook for Postgraduate Students

Community Medicine Practical Guide

Including Research Methods and Biostatistics

SECOND EDITION

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Foreword

The book entitled *Community Medicine: Practical Guide* will be very useful to the postgraduates of all disciplines of medicine. This book consists of all practical aspects along with guidance for thesis writing.

Such comprehensive practical guide was long awaited; the students will be definitely benefitted by this book.

Congratulations to the authors for bringing out such a useful book. My best wishes are here for its grand success.



A handwritten signature in black ink, appearing to read 'Raja Babu Panwar', with a long horizontal stroke extending to the right.

Raja Babu Panwar

Vice-Chancellor
Rajasthan University of Health Sciences
Jaipur

Foreword

The book entitled ***Community Medicine: Practical Guide*** by teachers of community medicine seems to be an extremely helpful guidance to postgraduate students for understanding and writing research papers, synopsis and dissertation. Relevant examples and figures will further facilitate in understanding the subject. It will be beneficial to the students of all disciplines of medicine.

Best wishes to the authors for such an excellent effort.



Subhash Nepalia

Principal and Controller
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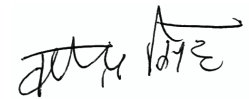
Foreword

I found this book entitled ***Community Medicine: Practical Guide*** very useful to the faculty of community medicine and faculty of other disciplines too. This was very much required as there was no such precise guide or manual containing guidance for family care study, research methodology, biostatistics and computer application with elaborated examples.

The chapter '*Thesis Protocol*' explains in detail about writing dissertations of any subject including all medical streams. This book, in fact, is useful to every researcher along with postgraduate students of all faculties.

I am glad to give compliments on such a useful and long-awaited practical guide for all faculties of medicine.

I congratulate the authors and wish this book a big success.



Virendra Singh

Professor of Medicine and
Medical Superintendent
SMS Medical College and attached Hospitals
Jaipur

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Preface to the Second Edition

Practical part of community medicine was not given due importance by the authors of medical fraternity. There are very few authors who addressed practical part in community medicine. So we decided to summarise the practical part of community medicine in the form of this book. First edition of this book entitled **Community Medicine: Practical Guide and Logbook** was published in 2014. Since then this book has attracted demand not only from students of community medicine but also evinced keen interest in the entire medical fraternity. Feedback and reviews show that its pictorial presentation of the facts enhances its understanding.

We are delighted to share that some of the students of other disciplines came to us with perfectly analyzed observations of their research after going through this book. We are very pleased to know that students are doing their statistical analysis by their own with the help of this book. So this book has served its purpose to some extent and we were encouraged to do something more.

When the demand of this book increased and book became out of stock, our publisher planned to reprint the book. In the midst of current scenario when MCI had made research publication compulsory for the faculty of medical colleges, and ICMR also motivated research in medical students through STS, we decided to bring out the second edition focusing more on these issues.

The second edition has additional topics such as •‘Research Proposal’, •‘Scientific Writing’ and •‘Short Term Studentship (STS)’ along with updation of some topics of first edition. A complimentary DVD on field visits for postgraduate students is provided with this book. In second edition we have developed a separate logbook to record and appraise the work done by the students in their postgraduate tenure. A separate logbook to record the work done by the undergraduate students in community medicine has also been brought out with the second edition.

In •‘Research Proposal’ we have tried to explain how to prepare research proposals including its budgeting. After doing research, to write down the report and to get it published is also an art which is summarized in •‘Scientific Writing’. In •‘Short Term Studentship (STS)’, STS Research Project with its timeline as per ICMR (<http://icmr.nic.in/shorttr.htm>) is explained with general instructions how to prepare and submit STS.

With the hope that the second edition will serve the purpose in a better way, we present the revised and enlarged edition to our respected readers.

Kusum Lata Gaur
Suresh C Soni
Rajeev Yadav



Preface to the First Edition

This book is not only a guide on community medicine practical but it is also a manual, in which students can write down their observations and teachers can check and sign the work done by the students. In fact, this book is needed for each student which can serve the purpose of a Logbook.

Community medicine is called 'the father of medicine'. It is a very vast science as it includes the knowledge of other faculties also. It is difficult to concise the knowledge of community medicine as a whole. This book concentrates on the practical aspects of community medicine and is mainly designed for postgraduate students of this faculty of medicine but it also serves the purpose of undergraduates. As community medicine also covers the practical aspects of other faculties of medicine, this book may be useful to postgraduate students of other disciplines also along with undergraduate and postgraduate students of community medicine.

Community medicine practical, as per MCI, has sessionals, practical and viva voce. Sessionals will be assessed by daily performance of students which may be accessed through 'Logbook'. Practical has various activities at the time of practical examination which includes short cases, long cases, family presentation, water chemistry, spot exercises, exercises related to epidemiology and public health, statistical exercises, microbiological exercises, etc.

This book contains all the above referred contents of community medicine practical with some other important issues like investigation of an outbreak, thesis protocol, specimen sampling, water sampling, etc. It also contains visits to health-related places like hospital waste management facility, water treatment plant, sewage treatment plant, dairy plant, etc.

Hope this book on community medicine practical fulfills the aim which it is intended for.

Last, there is open invitation to the readers and users of this book to give suggestions which may help in further improvement. Good suggestions will be duly acknowledged.

Kusum Lata Gaur
Suresh C Soni
Rajeev Yadav

Acknowledgements

Many people are associated in one way or the other in the journey of this book entitled **Community Medicine: Practical Guide**. We appreciate their contributions in the form of procuring materials, editing, proofreading and designing format of this book. Since we cannot name everyone but there are a few persons whom we owe special thanks.

We wish to acknowledge our grateful thanks to Dr Raja Babu Panwar, Vice-Chancellor, Rajasthan University of Health Sciences (RUHS), who, in spite of being busy, took out time to read this book and write the Foreword.

We feel immensely proud in extending our heartiest thanks to Dr Subhash Nepaliya, Ex-Principal and Controller, SMS Medical College, Jaipur, and Dr Virendra Singh, Ex-Medical Superintendent, SMS Hospital, Jaipur, for taking out time to read this book and giving valuable suggestions and writing Foreword to this book. We are thankful to both.

We would like to express our gratitude to Dr Afifa Zafer, Dr SB Singh, Mr MK Chaturvedi, Dr Dharmesh Sharma and Dr Manoj Verma, whose untiring effort in procuring material, editing and proofreading helped us to complete the work smoothly.

We would like to thank readers of the book who prove usefulness of our effort. Here we want to name a few readers who have written reviews for this book, appreciated our effort and has given valuable suggestions, viz. Dr Panna Lal, Dr Khalid Massod, Dr Murali Mathur, Dr Preeti Gupta and Dr Chitturi Hanumantharao. We extend them our wholehearted thanks.

Our grateful thanks to CBS Publishers & Distributors who showed confidence in us, making our dream to reality and had patience till the work was completed. We are really thankful to them.

Last but not least, we extend our thanks to our family members, who patiently stood behind us to support and so many persons whose name was not narrated here, who have shared valuable information that helped us in completing this book in this form.

Kusum Lata Gaur
Suresh C Soni
Rajeev Yadav

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