Workshop on
Systematic Reviews & Meta-analysis: A Synthetic Approach in Biomedical Research

3rd-5th November, 2016

Organized by:
Biomedical Informatics Centre
Regional Medical Research Centre
Indian Council of Medical Research
Dept. of Health Research, MoHFW, Govt. of India
Bhubaneswar-751023
Website: www.rmrcbsr.gov.in
Workshop on “Systematic Reviews & Meta-analysis: A Synthetic Approach in Biomedical Research”

Date: 3rd-5th November, 2016
Regional Medical Research Centre
(Indian Council of Medical Research)
Bhubaneswar

Introduction
In this era of explosion of article publications, there exists a big challenge to identify all relevant published and unpublished evidence, to select studies for inclusion, to assess the quality of each study, to synthesize the findings from individual studies in an unbiased way and to interpret the findings and present a balanced and impartial summary of the findings with due consideration of any flaws in the evidence. This conjures the need to be acquainted with systematic reviews which can address these issues substantively.

Why Systematic Reviews?
A huge amount of research is produced each year, often with conflicting findings. These between-study differences may be due to study differences, flaws or chance (sampling variation). In such situations, it is not always clear what the overall picture is, or which results are most reliable and should be used as the basis for practice and policy decisions. Systematic reviews aim to address these problems by identifying, critically evaluating and integrating the findings of all relevant, high-quality individual studies addressing one or more research questions.

Who should attend?
This workshop is intended for clinical trainees, clinicians, decision-makers, academicians and researchers (epidemiologists, statisticians) with a general interest in the methodology of systematic reviews and for those planning to conduct a systematic reviews in the future. Preference would be given to research scientists, faculty working at government institutes and medical colleges & hospitals. A maximum of 25 candidates will be selected.

Contents
- Introduction to Evidence-Informed healthcare
- Basic Statistics & Study Designs
- Understanding systematic reviews and meta-analysis
- Assessing Study quality; Risk of bias
- Searching for the evidence
- Meta-analyses
- Heterogeneity, sensitivity, subgroup analyses and Publication bias
- Quality of Systematic Reviews
- Managing Searches
- Developing a Systematic reviews protocol
- The GRADE approach
How to apply

All interested candidates may apply online by sending registration/ application form (available in RMRC website) to the Email Id: workshop.rmrcb@gmail.com. The application should be forwarded by the head of the institute. The last date for receiving applications is 15th October, 2016. The selected candidates will be intimated by email by 21st October, 2016. All candidates are required to bring a laptop along with them during the workshop.

Registration fees

The registration fee is Rs.1000/- which covers workshop kit, lunch and refreshment. The selected candidates should send a Demand Draft amounting to Rs. 1,000/- (Rupees One Thousand only) after receiving intimation of their selection.

Demand Draft to be made in favour of “Director, RMRC, Bhubaneswar” payable at Bhubaneswar. The selected candidates will have to make their own arrangements for travel and stay. However, limited accommodation can be provided on first come first served basis in RMRC Guest House/Hostel.

Key resource person

Dr. Soumyadeep Bhaumik, a medical doctor from India has been working consultant on Evidence Synthesis for leading national and international agencies including for guideline development and The LancetYouth Commission. He is the Coordinator for Cochrane Priority Setting Methods Group, Member of the HIFA Working Group on Evidence-Informed Policy and Practice (a program supported by WHO TDR, and The Lancet) and a member of the Evidence Based Research Network, Norway. Currently he is studying international public health at Liverpool School of Tropical Medicine, USA.

He has previously worked as a Senior Research Scientist at the South Asian Cochrane Network and Centre, India and as a Biomedical Genomics Fellow in BioMedical Genomics Centre, Kolkata. He has also has extensive experience in science and research communication writing for British Medical Journal, Canadian Medical Association Journal, Lancet and Lancet Oncology, National Medical Journal of India and as an Executive Editor of the Journal of Family Medicine and Primary Care previously. He runs a monthly column reviewing South Asian Medical Papers at BMJ Blogs.

About RMRC

The Regional Medical Research Centre is one of the 32 institutes under the aegis of Indian Council of Medical Research (Dept. of Health Research, MoHFW, Govt. of India). The Centre has focused its activities in areas of research in both communicable and non-communicable diseases, human resource development programme and in establishing strong linkage with State Health Department in finding solutions to the regional health problems. Besides basic and applied research, translational research has been taken up in operational mode. Communicable research programme includes studies on lymphatic filariasis, malarial, diarrhoeal disorder, tuberculosis and diseases of viral origin. Non communicable diseases include nutrition, sickle cell disease, hypertension and diabetes.

About Biomedical Informatics Centre (BIC)

RMRC, Bhubaneswar possesses one of the Biomedical Informatics Centres (BIC) under second phase of ICMR, New Delhi, which caters the needs of high-throughput computational biology facilities to the scientists, medical faculties, Clinicians and researchers from host institution as well as various institutes and Universities. The centre (BIC) has organized
various training programmes in the discipline of health informatics/medical disciplines and provided a better knowledge on drug discovery, molecular phylogenetics and data mining, etc. to the research personnel in their research with novel ideas that in-turn incorporates their respective organizations.

**Course Director & Adviser**

Dr. Sanghamitra Pati MD, MPH  
Scientist-G & Director,  
RMRC (ICMR) Bhubaneswar  
dirrmrcb@icmr.org.in

**Course lead**

Dr. Namita Mahapatra, Ph.D.  
Scientist-F  
nmrnrc@gmail.com  
+91-9437276562

**Course Co-ordinators**

1. Dr. Debdutta Bhattacharya, Ph.D.  
   Scientist-C  
drdebdutta.bhattacharya@yahoo.co.in  
   +91-9886126077

2. Dr. Ardhendu Sekhar Acharya, Ph.D.  
   Scientist-C  
asarmrc@gmail.com  
   +91-9437094720

**Executive members**

1. Dr. Santosh K. Behera, Ph.D.  
   Scientist-II (BIC)
2. Dr. Budheswar Dehury, Ph.D.  
   Scientist-I (BIC)
3. Mr. M. K. Gupta, R.A (BIC)

**Course facilitator**

Dr. Banamber Sahoo, Ph.D.  
Library & Information officer  
drbsahoo@gmail.com  
+91-9438182087

---

Google map location of RMRC (ICMR), Bhubaneswar

Nearest Railway station: Bhubaneswar Railway station (7.3 Km)

Nearest Airport: BijuPatnaik International Airport (9.0 Km)

**Contact us:**

Regional Medical Research Centre (ICMR)  
Chandrasekharapur, Bhubaneswar-751023, Odisha  
Telephone: +91-674-2301322  
Fax: +91-674-2301351  
Email: workshop.rmrcc@gmail.com  
Website: [http://www.rmrcbbsr.gov.in/](http://www.rmrcbbsr.gov.in/)
Three days workshop on “Systematic Reviews & Meta-analysis: A Synthetic Approach in Biomedical Research”
3rd -5th November, 2016

Application form

Kindly fill up the details and send the scanned copy by email to “workshop.rmrcb@gmail.com”

Name:_______________________________________________________________
Age:_________ Gender:____________ Contact No:____________________________
Address:_____________________________________________________________
Pin Code:____________________________ City:________________State:________________
Qualifications: M.Sc  [] PhD  [] MBBS/BDS/AYUSH  [] MD/MS/MDS  [] Nursing  []
Others (Please specify):____________________________
Institute affiliated to:___________________________________________________
Position:________________________ Job Profile:__________________________
Accommodation: Required  [] Not Required  []

__________________________________________  ____________________________
Signature of the candidate                        Signature of the Head of the institute

For official purpose

Selected: Yes  [] No  []

Demand draft details:
DD No:________________________ Dated:________________________
Drawn on Bank:________________________