



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



जनजातीय कार्य मंत्रालय
MINISTRY OF
TRIBAL AFFAIRS



National Workshop on Systematic Review & Meta-analysis

Training and Research Initiative towards Biomedical Advancement among Learners-
Systematic Reviews and Meta-Analysis Workshop (TRIBAL-SRMA)

ORGANIZED BY: Department of Pharmacology, AIIMS Jodhpur, and
Centre of Excellence for Tribal Health, AIIMS Jodhpur

FUNDED BY: KARYASHALA (High - End Workshops) program of
SERB, Department of Science and Technology, Government of India

TAKEAWAYS



These are the major learning objectives of this workshop.



Critical appraisal of SRMAs

Most SRMAs are of a low quality. Thus, one should learn to critically appraise an SRMA and verify if it actually qualifies to make the conclusion that it makes, thus differentiating what can be trusted from what cannot.



Writing robust & meaningful SRMAs

Once you develop the above skill, you can work on writing high quality SRMAs that are both methodologically robust and statistically sound.

Next, building upon your strong methodological background, you can start identifying research areas within your interest area or domain of expertise.



Clinical, public health, and policy implications of SRMAs

Inference from SRMAs extends much beyond one or two short sentences from the statistical summary. Instead, there are several different considerations when applying the results to a patient in a clinical setting, addressing a public health issue, or drafting policies and guidelines.



Medical industry, regulatory affairs and SRMAs

Regulatory submissions are increasingly requiring systematic reviews of the existing evidence. Thus, the importance of SRMAs is not restricted to academics, but they are being widely used in the medical industry too.



Tutors of tomorrow

The wheel should keep running. Post capacity building, the participants too can propagate the science of evidence synthesis in the future, be it here or elsewhere.

DATES



- 8 Day On-site workshop
- 13th January - 20th January 2024

SEATS

- 25 external participants from all over India
- 5 internal participants

SELECTION

- Interested candidates can apply **here** upto 06/12/2023, with a short write-up on why they are applying.
- Preference will be given to students of DM/MCh/PhD, then MD/MS/MDS/MPH, and then 4th year UG
- Preference to students belonging to Scheduled Tribes, then Scheduled Castes, and then others
- Based on write-up and mentioned preferences, candidates will be selected
- Selected candidates will be notified by email, they need to register within 7 days

REGISTRATION FEE

- Participants will be provided accommodation, food, and TA (3AC) both ways, as per Gol norms.
- A registration fee of Rs. 5000/- is to be paid by the selected participants. The amount will be refunded after successful completion of the workshop.

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The topics include (but are not limited to):

- ✓ Critical appraisal of published SRMAs for correct application in real-life settings
- ✓ Development of a complete protocol
- ✓ Systematic literature search across different databases and reporting the search process
- ✓ Efficient screening of the literature for relevant studies, and documenting the process
- ✓ Data extraction: from reporting study characteristics to cleaning data for quantitative synthesis
- ✓ Deriving and visualising summary estimates for different types of outcomes
- ✓ Assessing the heterogeneity between different studies, and interpreting this correctly
- ✓ Exploring associations to answer the reason behind heterogeneity in different studies
- ✓ Study quality assessment for different study designs using appropriate validated tools
- ✓ Reporting bias and publication bias - There is more to it beyond just "If ≥ 10 studies, then this, else that..."
- ✓ Evidence quality and certainty assessment according to the GRADE framework
- ✓ How are SRMAs used to inform clinical guidelines, public health recommendations, and policy-making?
- ✓ Are SRMAs restricted to academics or do they have a place in the medical industry too?
- ✓ Use of artificial intelligence in evidence synthesis
- ✓ Identifying a research gap and formulating the required research question
- ✓ Reporting the findings of an SRMA, and disseminating them

The workshop will be conducted on state-of-the-art tools freely available online for equitable access to healthcare research and sustainability

Patron

Dr. Madhbananda Kar, Executive Director, AIIMS Jodhpur

Co-Patron

Dr. Kuldeep Singh, Dean (Academics), AIIMS Jodhpur

Organizing Chairperson

Dr. M K Garg, Medical Superintendent, AIIMS Jodhpur

Organizing Co-Chairpersons

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Organizing Team

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