

MASTERING THE SYSTEMATIC REVIEW DAY - 6 WORKSHOP

TODAYS TARGET

**MASTERING ROB 2 , ROBINS-I,
ROBSE, AMSTAR 2 AND
PROTOCOL AND YOUR METHODS
SECTION**

1. ROB 2

2. ROBINS - I

3. AMSTAR 2

4. METHODS SECTION

**ROB IS EASY
RIGHT?**

**SO LETS MAKE IT
MORE HARD**



ROB



ROB 2

ROBINS - I

ROBINS - E



ROB

Tool	Full Name	Purpose
ROB 2	Risk Of Bias 2	Assesses risk of bias in randomized controlled trials (RCTs) .
ROBINS-I	Risk Of Bias in Non-randomized Studies - of Interventions	Assesses bias in non-randomized studies (NRS) evaluating interventions.
ROBINS-E	Risk Of Bias in Non-randomized Studies - of Exposures	Assesses bias in non-randomized studies (NRS) on environmental exposures .

ROB



ROB 2



ROBINS - I



ROBINS - E

**USE OF ROB 2 ONLY FOR
RANDOMISED STUDIES**

**THEN WHAT ABOUT OUR NON
RANDOMISED STUDIES?**

**NEVERMIND ITS
STILL EASY**





ROB 2 MURDER AND VIDEO DEMONSTRATION

**NOW
CONFIDENT?**



ROB 2 ACTIVITY

1. ASSESS THE BIAS OF 2 RCT FROM YOUR LITERATURE
2. GENERATE SUMMARY
3. GENRATE FIGURES
4. INDIVIDUAL ACTIVITY
5. LATER CHECK IT

IF YOU DONT HAVE RCT . I WILL SHARE YOU 2 SAMPLE RCT
AFTER COMPLITION - SHARE BACK THE EXCEL SHEET.

HELP.MEDVENTURES@GMAIL.COM

30
Mins



AMSTAR



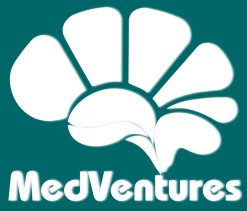
AMSTAR 2 ACTIVITY

1. ASSESS THE BIAS OF 2 SR FROM YOUR LITERATURE
2. MAKE A NEW EXCEL SHEET
3. COLUMN 1 - TITLE
4. COLUMN 2 - LEVEL OF BIAS

IF YOU DONT HAVE SR. I WILL SHARE YOU 2 SAMPLE SR
AFTER COMPLITION - SHARE BACK THE EXCEL SHEET.

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30
Mins



**THANK YOU
SEE YOU IN
TODAYS
WORKSHOP
2.0**



WELCOME BACK TO WORKSHOP 2.0

**ALL DONE. BUT WE
WANT SOMETHING
MORE FROM AMSTAR
2?
WHAT?**



**LETS BUILD
OUR OWN
METHODS
SECTION**

**ALL DONE. BUT WE
WANT SOMETHING
MORE FROM AMSTAR
2?
WHAT?**



WHAT DO WE NEED IN OUR METHODS SECTIONS

1. PROTOCOL AND REGISTRATION

1. STATE WHETHER A PROTOCOL EXISTS AND PROVIDE REGISTRATION DETAILS (E.G., PROSPERO ID).

2. DESCRIBE ANY DEVIATIONS FROM THE PROTOCOL AND JUSTIFY THEM.

- GO BACK TO PROSPERO REGISTRATION
- CHECK FOR WEEK 1 DIRECTORY



WHAT DO WE NEED IN OUR METHODS SECTIONS

2. ELIGIBILITY CRITERIA

- DEFINE INCLUSION AND EXCLUSION CRITERIA BASED ON THE PICO FRAMEWORK (POPULATION, INTERVENTION, COMPARATOR, OUTCOMES).
- SPECIFY STUDY DESIGNS INCLUDED (E.G., RCTS, OBSERVATIONAL STUDIES)

WHAT DO WE NEED IN OUR METHODS SECTIONS

3. INFORMATION SOURCES AND SEARCH STRATEGY

- LIST ALL DATABASES SEARCHED (E.G., MEDLINE, EMBASE). **NOT NUMBER**
- INCLUDE SEARCH DATES AND ANY LANGUAGE OR PUBLICATION STATUS RESTRICTIONS.
- MENTION ANY ADDITIONAL SOURCES SEARCHED (E.G., TRIAL REGISTRIES, GREY LITERATURE).

WHAT DO WE NEED IN OUR METHODS SECTIONS

4. STUDY SELECTION PROCESS

- DESCRIBE THE PROCESS FOR SELECTING STUDIES, INCLUDING THE NUMBER OF REVIEWERS INVOLVED AND HOW DISAGREEMENTS WERE RESOLVED.
- INCLUDE A FLOW DIAGRAM (E.G., PRISMA) ILLUSTRATING THE SELECTION PROCESS.

BLIND ON DURING SCREENING (RAYYAN)

WHAT DO WE NEED IN OUR METHODS SECTIONS

5. DATA EXTRACTION AND MANAGEMENT

- DETAIL THE DATA EXTRACTION PROCESS, INCLUDING THE NUMBER OF REVIEWERS AND METHODS FOR RESOLVING DISCREPANCIES.
- LIST THE DATA ITEMS EXTRACTED (E.G., STUDY CHARACTERISTICS, OUTCOMES).

USED TOOLS LIKE ?



WHAT DO WE NEED IN OUR METHODS SECTIONS

6. RISK OF BIAS ASSESSMENT

- SPECIFY THE TOOLS USED FOR ASSESSING RISK OF BIAS (E.G., ROB 2 FOR RCTS, ROBINS-I FOR NON-RANDOMIZED STUDIES).
- DESCRIBE THE ASSESSMENT PROCESS AND HOW DISAGREEMENTS WERE HANDLED.AMSTAR.CA+2REDDIT+2BIOMED CENTRAL+2

WHAT DO WE NEED IN OUR METHODS SECTIONS

7. DATA SYNTHESIS

- EXPLAIN THE METHODS USED FOR DATA SYNTHESIS (E.G., META-ANALYSIS, NARRATIVE SYNTHESIS).
- DESCRIBE STATISTICAL METHODS, INCLUDING MODELS USED (E.G., FIXED-EFFECT, RANDOM-EFFECTS), AND MEASURES OF CONSISTENCY (E.G., I^2 STATISTIC).
- MENTION ANY SUBGROUP OR SENSITIVITY ANALYSES CONDUCTED [AMSTAR.CA](https://www.amstar.ca)



WHAT DO WE NEED IN OUR METHODS SECTIONS

8. ASSESSMENT OF REPORTING BIASES

- DESCRIBE METHODS USED TO ASSESS PUBLICATION BIAS (E.G., FUNNEL PLOTS, EGGER'S TEST).

WHAT DO WE NEED IN OUR METHODS SECTIONS

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WHAT DO WE NEED IN OUR METHODS SECTIONS

9. CERTAINTY OF EVIDENCE

- INDICATE IF THE GRADE APPROACH WAS USED TO ASSESS THE CERTAINTY OF EVIDENCE.
- PROVIDE SUMMARY OF FINDINGS TABLES IF APPLICABLE.

10. FUNDING AND CONFLICTS OF INTEREST

- DISCLOSE FUNDING SOURCES FOR THE REVIEW.
- DECLARE ANY POTENTIAL CONFLICTS OF INTEREST.



GOING TOWARDS OUR DRAFT

- NOW MAKE ONE WORD FILE . “MY FINAL SYSTEMATIC REVIEW DRAFT” ON GOOGLE DRIVE . (ADD GOOGLE DOC) AND ADD YOUR TEAM MATES IN COLLABORATIONS
- WRITE YOUR TITLE - AUTHORS NAME, AFFILIATIONS.

5
Mins



WHAT DO WE NEED IN OUR METHODS SECTIONS

ANSWER ALL THE QUESTIONS IN THE SAME TEMPLATE ADDED IN YOUR PORTAL.

THIS ENTIRE TEMPLATE IS YOUR PROMPT NOW -
PASTE THIS IN DEEP SEEK (SEARCH OPTION SHOULD BE DISABLED)

WHAT IF I DONT HAVE ANY ANSWER.
WRITE THIS

“CURRENTLY I AM STILL IN PROCESS OF MY SYSTEMATIC REVIEW. I WANT TO INLCUDE THIS
QUESTIONS ANSWER IN MY METHODS SECTION BUT I DONT HAVE ANSWER AT THIS MOMENT.
SO WHILE GIVING MY METHODS LEAVE THIS BLANK IN FINAL METHODS SECTION , I WILL EDIT
IT LATER IN METHODS SECTION WHICH YOU WILL GIVE NOW”

30
Mins



**ADD REFERENCES WHICH
WE HAVE TILL NOW.**

**10
Mins**

COMPULSORY TASKS BEFORE NEXT WEEK

- TITLE ABSTRACT SCREEING (LONG BACK SHOULD HAVE BEEN DONE)
- FULL TEXT SCREENING -
 - 1.ADD NOTES IN RAYYAN, IMPORTANT CONCLUSIONS , EXPERIMENTS , OUTCOMES ETC
 - 2.MAKE TABLES FOR EACH STUDY ABOUT IMPORTANT OUTCOMES
- DO ROB 2 AND AMSTAR 2- AFTER WE HAVE DONE FULL TEXT SCREENING.
- DO ROB 2 AND AMSTAR 2 FOR ALL - EXPORT ROB 2 VISUALS, MAKE AMSTAR EXCEL SHEET
- COMPARE EACH STUDY TABLE AND COMPILE IT TO ONE TABLE

COMPULSORY TASKS BEFORE NEXT WEEK

- PRISMA FLOW CHART
- EGGERS TEST
- REMAINING METHODS SECTION ANSWER

GUIDELINES ABOUT JOURNAL



THANK YOU