# SAC Evidence Evaluation Resource Guide

In addition to the guidance documents located on [www.ILCOR.org](http://www.ILCOR.org) , the following links have been found useful by the members of the Scientific Advisory Committee in the evaluation of articles identified by searches and the subsequent systematic review process.

**Registration**

**PROSPERO**

* Registration for systematic reviews, rapid reviews and umbrella reviews
* Does not accept scoping reviews or evidence updates
* <https://www.crd.york.ac.uk/prospero/>
* Use ILCOR approved template to submit the registration

## Software to assist with screening of articles

## Covidence (web-based software)

## Assist in title and abstract screening

## Full text review

## Can be used for data extraction

## Creates the PRISMA flowchart for publication

## Online help with files/videos to assist

## May be available at your home workplace: institutional licence.

## Available for free trial, otherwise requires licence: <https://www.covidence.org/home>

### **Rayyan** (*100% FREE web application)*

### Authors create systematic reviews, collaborate on them, maintain them over time and get suggestions for article inclusion

### Mobile app

### Screening can be done anytime

### Allows offline screening with automatic synchronization when online

### <https://rayyan.qcri.org/welcome>

## Risk of Bias Assessments

### **For SR of Intervention Studies**

* See SAC Systematic Reviews process documents for more complete information

Gold standard tools:

### Randomised Controlled Trials use Cochrane ROB-2: [https://www.riskofbias.info](https://protect-au.mimecast.com/s/ks8dCmOxr6sOLKjzSG_XrP?domain=riskofbias.info)

### Non-Randomised Trials use ROBINS-I Tool: <https://www.bmj.com/content/355/bmj.i4919>

### <https://www.riskofbias.info>

### **For SR of Prognostic Factors Studies**

* Use linked QUIPS tool (2013 QUIPS Quality ROB Prognostic Studies.xlxs) and two articles that support SRs of Prognostic Factors:
* <http://eprints.keele.ac.uk/5761/1/R%20Riley%20-%20A%20guide%20to%20systematic%20review%20and%20meta-analysis....pdf>
* <https://s3.amazonaws.com/academia.edu.documents/39007480/Hayden_2013_QUIPS_Risk_of_Bias.pdf?response-content-disposition=inline%3B%20filename%3DAssessing_Bias_in_Studies_of_Prognostic.pdf&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWOWYYGZ2Y53UL3A%2F20191209%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20191209T110913Z&X-Amz-Expires=3600&X-Amz-SignedHeaders=host&X-Amz-Signature=f6aca29e3d8c8e3c2f44cf3a817dfb7fb4e9e4a1079b89b5980a7b30def412f2>

### **For SR of Prediction Models Studies**

* PROBAST tool: <http://www.probast.org/Portals/0/Documents/PROBAST_20190515.pdf>
* Based on: <https://annals.org/aim/fullarticle/2719961/probast-tool-assess-risk-bias-applicability-prediction-model-studies>
* <https://annals.org/aim/fullarticle/2719962/probast-tool-assess-risk-bias-applicability-prediction-model-studies-explanation>

### **For SR of Diagnostic Studies**

* QUADAS-2 tool: [http://www.bristol.ac.uk/population-health-sciences/projects/quadas/](https://protect-au.mimecast.com/s/fidDCnxyvXc8pq7viJqbNZ?domain=bristol.ac.uk)

## Grading of Recommendations, Assessment, Development and Evaluation (GRADE)

* Online software to assist with creation of GRADE tables: <https://gradepro.org>
* General instructions and guidance: GRADE handbook <https://gdt.gradepro.org/app/handbook/handbook.html#h.svwngs6pm0f2>
* Evidence Profile, Summary of Findings, and Evidence to Decision tables:

### GRADE Evidence to decision framework: <https://fhi.brage.unit.no/fhi-xmlui/bitstream/handle/11250/2506759/Moberg_2018_The.pdf?sequence=1>

### GRADE homepage with links to publications: <https://www.gradeworkinggroup.org>

* GRADE online learning modules: <https://cebgrade.mcmaster.ca>

**Cochrane & RevMan**

* Cochrane Handbook: [https://training.cochrane.org/handbook/current](https://protect-au.mimecast.com/s/Vs5LCoVzwKhOpLrESVnL3q?domain=training.cochrane.org)
* Cochrane Library: <https://www.cochranelibrary.com>
* Review Manager (RevMan): <https://training.cochrane.org/online-learning/core-software-cochrane-reviews/revman>
* RevMan can be used to create Forest Plots, Figure for Risk of Bias Assessment, and data entry to calculate odds ratio, relative risks

**Project Management**

**Proofhub**

* Project planning software: <https://ilcorcee.proofhub.com>
* Organize and track the status of projects
* Collaborate with all members of Task Force
* Currently piloted by Neonatal Task Force

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