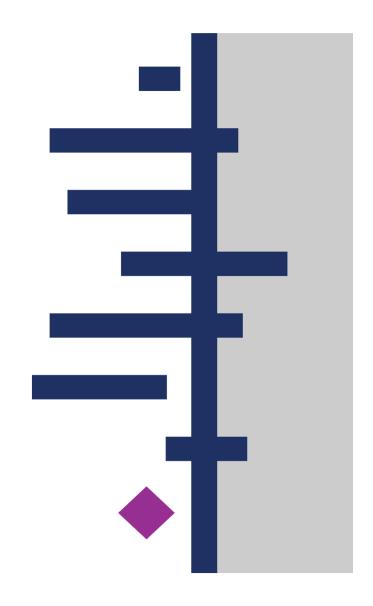


Introducing Screen4Me

CIS Support Team Webinar

06 February 2019

Trusted evidence.
Informed decisions.
Better health.



Welcome

Aims:

- Introduce you to Screen4Me
- Demo Screen4Me
- Q&A

Screen4Me: what is it?

A results screening workflow that uses...



A results screening workflow that uses...

Known assessments

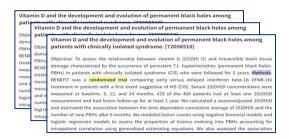
RCT classifier

Cochrane Crowd



Known assessments

The records that have already been through Cochrane Crowd



To date, over 500,000 bibliographic records have been through Cochrane Crowd



Known assessments

The records that have already been through Cochrane Crowd

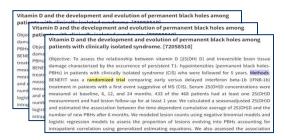


50,000+ RCTs



Known assessments

The records that have already been through Cochrane Crowd



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50,000+ RCTs

465,000 Rejects



Known assessments

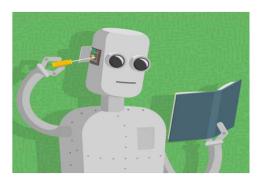
Making better use of known assessments could really help to reduce some duplication of effort.

Over 90% of Cochrane reviews currently include only RCTs.



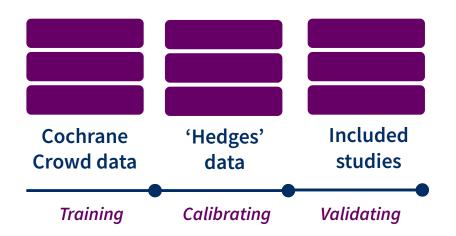
RCT classifier

The classifier helps to distinguish RCTs from non-RCTs



The classifier was built using data (known assessments) generated by Cochrane Crowd.





Three main datasets have been involved in building and testing the RCT classifier. The machine threshold will be set to achieve a 99% recall as requested by IRMG.



Cochrane Crowd

Online platform: crowd.cochrane.org









150+ countries



Cochrane Crowd

The crowd model has proved very robust







Cochrane Crowd

Screening for specific reviews pilots



Pilot work last summer on 4 Cochrane reviews.

Crowd took average of two days and was able to reduce the size of the batch by between 52%-83%



Brining the three components together and enabling review teams to access them for their specific reviews

Known assessments

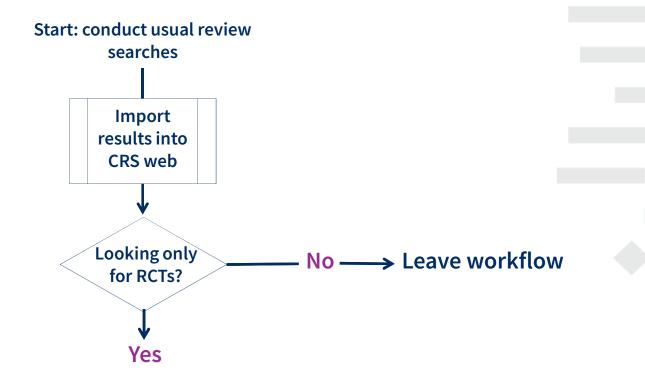
RCT classifier

Cochrane Crowd

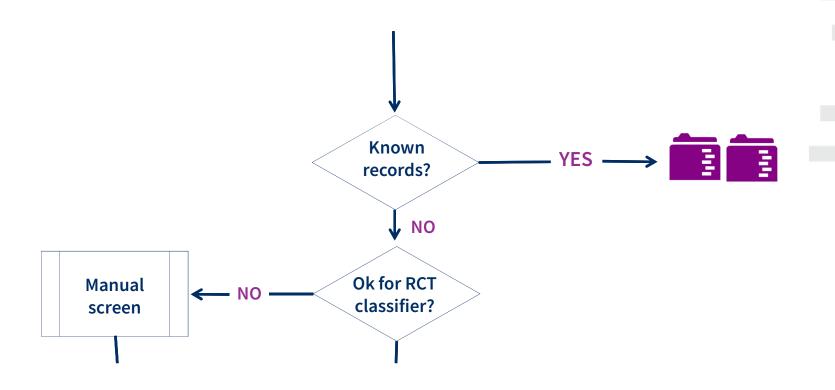
Screen4Me: how will it work?



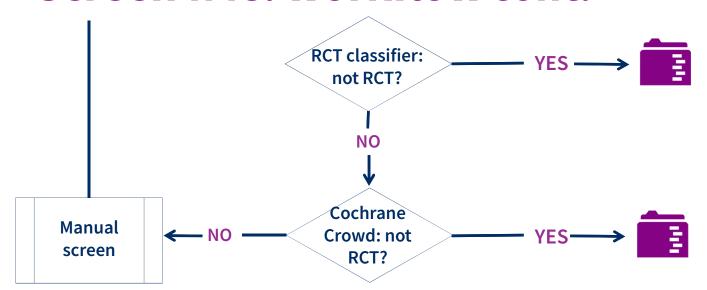
Screen4Me: workflow



Screen4Me: workflow cont.

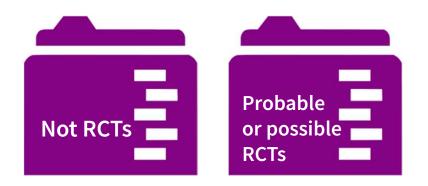


Screen4Me: workflow cont.





Screen4Me



Estimated reduction in records for author teams to have to screen: 50-80%

Screen4Me

Demo time

Screen4Me

Any questions?



How do I report this in my Cochrane review?

You can find guidance on how to report the use of Screen4Me in your Cochrane review on the Cochrane Information Specialists portal. The guidance document is called: *Reporting S4M in Cochrane reviews*.



Can I use Screen4Me for other search/screen activities e.g. register

maintananca?

There is no reason why you can't use S4M for other use cases such as specialised register maintenance. However, currently you can only be able to use the Cochrane Crowd component for search performed for Cochrane intervention reviews.



If I use the Cochrane Crowd, who's responsibility is it to make sure they get acknowledged?

It is the review group's responsibility (i.e. it is not the responsibility of the S4M or Cochrane Crowd core team). It is a good idea to make sure ahead of time who in the review group or author team will be responsible for adding the Crowd contributor names.



How long should it all take?

The Known Assessment and RCT classifier components are very quick. Depending slightly on the size of the batch of results, these components should take less than half an hour to return results. The Crowd should be given two weeks to complete a S4M task.



If I'm searching some unusual sources, will Screen4Me still work?

S4M should work well for the major bibliographic databases and for ClinicalTrials.gov and ICTRP. If you are searches some unusual sources it is worth checking with the CIS Support Team before putting the results through S4M.



Where can I find more information about Screen4Me?

The CIS Portal has the most information about Screen4Me. There you will find recordings of previous webinars, guidance on how to report S4M, and practical guidance on using S4M.



How many Screen4Me projects can I have on the go at once?

If you are just using the Known Assessments and the RCT Classifier components, then you can have as many S4M projects on the go as you like. If you want to also use Cochrane Crowd, we currently have a limit of ten live projects (across all groups) running at the same time.



Why not just allow people to use only Cochrane Crowd?

We are trying to be as efficient as possible with our use of the Crowd. We don't want to waste human effort on records that have already been screened or on records that are very easily identifiable as not RCTs by the RCT classifier.



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Webinar recording:

An introduction to Screen4Me:

https://www.youtube.com/watchv=2j50O7yLVGU&feature=youtu.be

