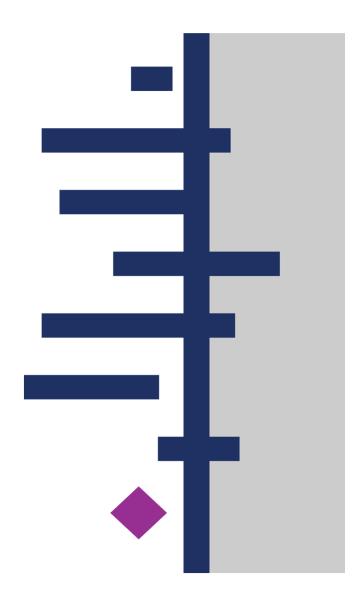


Introducing Screen4Me

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...

Screen4Me: what is it?

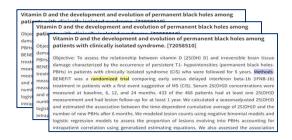
A results screening workflow that uses...

Known RCT Cochrane classifier Crowd

Screen4Me: what is it?

Known assessments

The records that have already been through Cochrane Crowd



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

Screen4Me: what is it?

Known assessments

The records that have already been through Cochrane Crowd

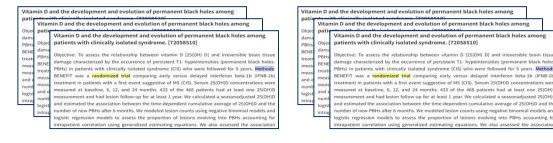
	amin D and the development and evolution of permanent black holes among
Object pa dama PBHS Ob BENE dai treati PB meas BE meas tre and c me logist ani intra log int	Vitamin D and the development and evolution of permanent black holes among patients with clinically isolated syndrome. [72058510] Objective: To assess the relationship between vitamin D [25(0H) D] and irreversible brain tissu and amage characterized by the occurrence of persistent T1- hypointensities (permanent black holes PBHs) in patients with allicitally isolated syndrome (CS) who were followed for 5 years. Method BINETT was a randomized trial comparing early versus delayed interferon beta-lb (IPNb-LI treatment in patients with allicitally revent suggestive of MS (CS). Second 30(4) (CS) (CS) (CS) (CS) (CS) (CS) (CS) (CS

50,000+ RCTs

Screen4Me: what is it?

Known assessments

The records that have already been through Cochrane Crowd



50,000+ RCTs



Screen4Me: what is it?

Known assessments

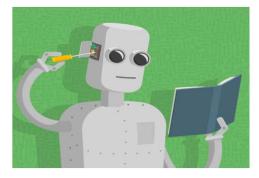
Making better use of known assessments could really help to reduce some duplication of effort.

Over 90% of Cochrane reviews currently include only RCTs.

Screen4Me: what is it?

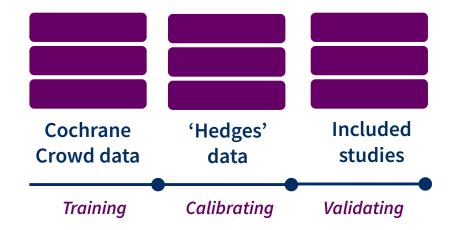
RCT classifier

The classifier helps to distinguish RCTs from non-RCTs



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

Screen4Me: what is it?



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.

Screen4Me: what is it?

Cochrane Crowd

Online platform: crowd.cochrane.org



6 'mainstream' tasks



10,000 sign-ups



Screen4Me: what is it?

Cochrane Crowd

The crowd model has proved very robust





Algorithm

Screen4Me: what is it?

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%

Screen4Me: what is it?

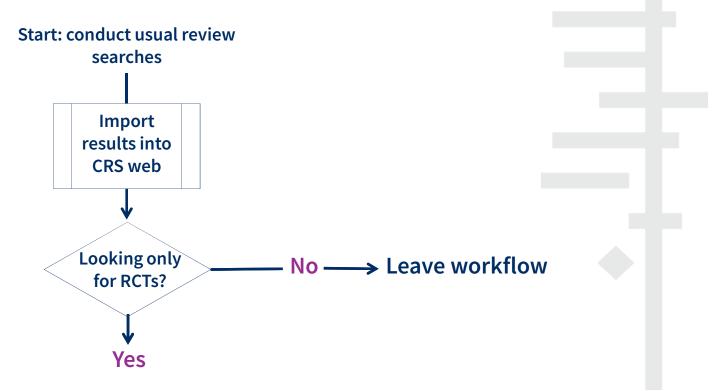
Brining the three components together and enabling review teams to access them for their specific reviews

Known RCT Cochrane classifier Crowd

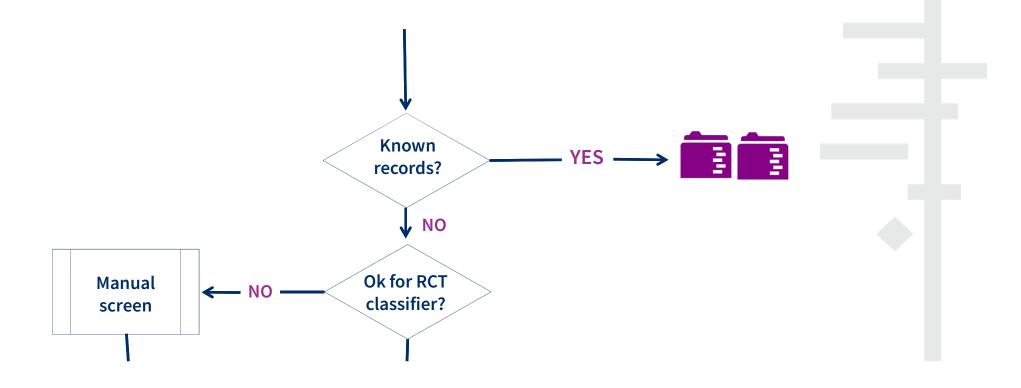
Screen4Me: how will it work?



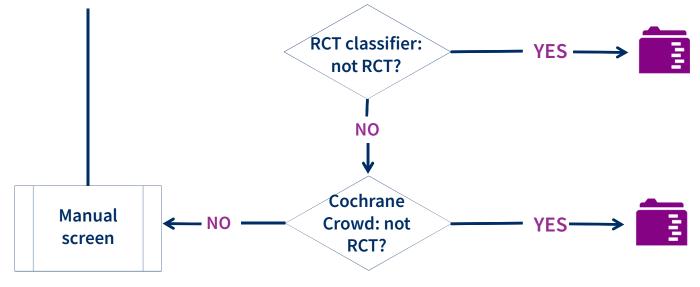
Screen4Me: workflow



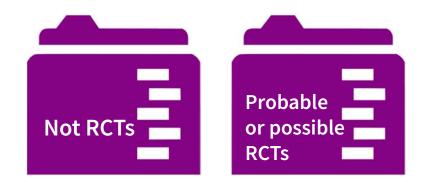
Screen4Me: workflow cont.



Screen4Me: workflow cont.



Screen4Me



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

Screen4Me

Demo time

Screen4Me

Any questions?

Questions you may have

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*.

Questions you may have

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.

Questions you may have

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.

Questions you may have

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.

Questions you may have

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.

Questions you may have

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.

Questions you may have

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.

Questions you may have

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.

s4m@cochrane.org

Webinar recording:

An introduction to Screen4Me:

https://www.youtube.com/watchv=2j5007yLVGU&feature=youtu.be

