

THE ECOSYSTEM OF EVIDENCE

Navigating the future
of the ecosystem of evidence

Artificial intelligence and digital transformation
in research and healthcare

11th EBHC International Conference
Taormina, 21st – 24th October 2026

#EBHC2026

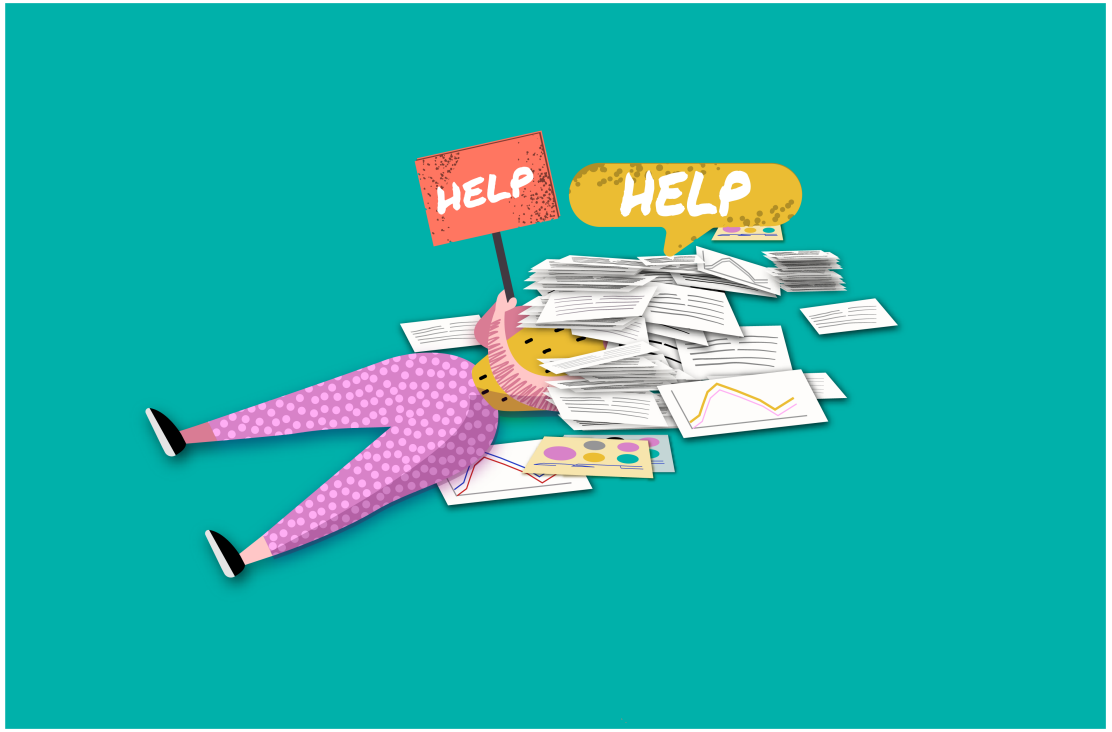
Learning by doing

Introducing Cochrane Crowd and Classmate

Anna Noel-Storr
Cochrane

30th 1996-2026 GIMBE EVIDENCE FOR HEALTH

Background and aims



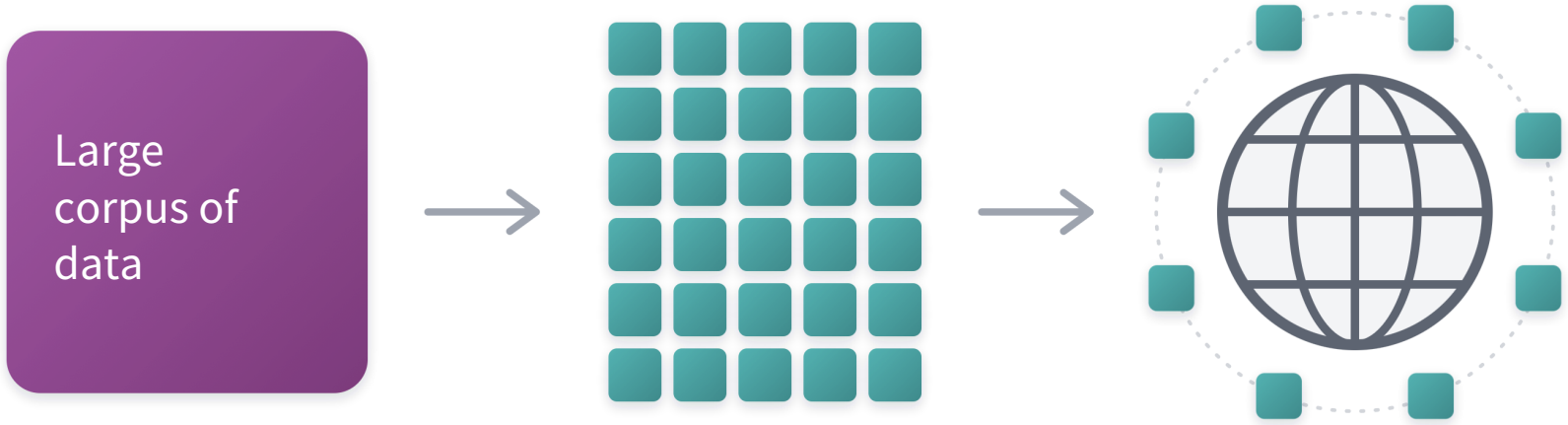
Producing evidence synthesis is hard.
The methods and processes are time and labour-intensive.

Meaningful opportunities for people to get involved remain limited.

Cochrane Crowd and **Cochrane Classmate** offer a model of contribution that supports newcomers to learn whilst helping to make primary evidence more discoverable.

Methods

Cochrane Crowd uses a form of crowdsourcing called **microtasking**.

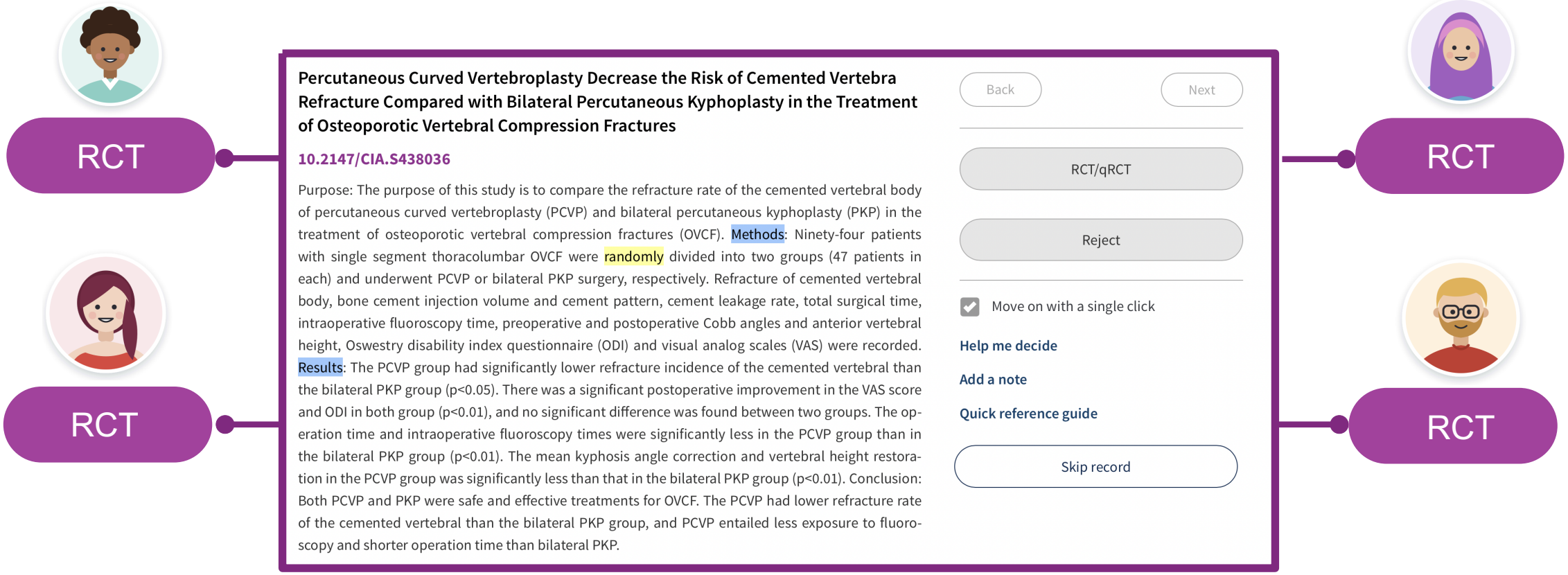


"The distribution of small parts of the problem"

crowd.Cochrane.org

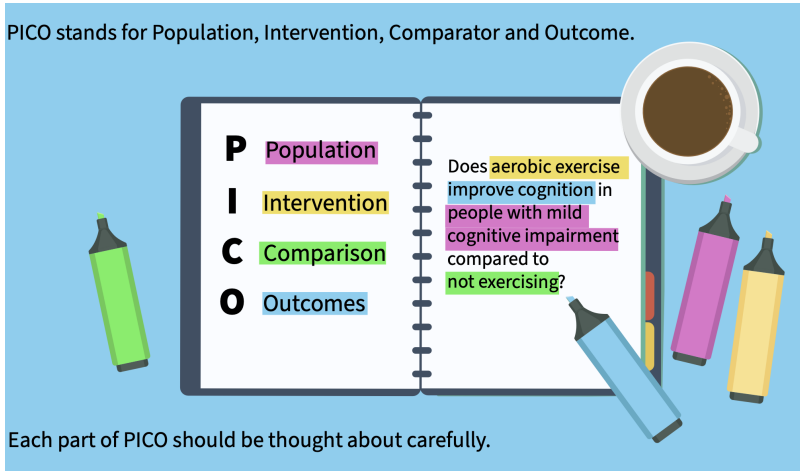
Methods

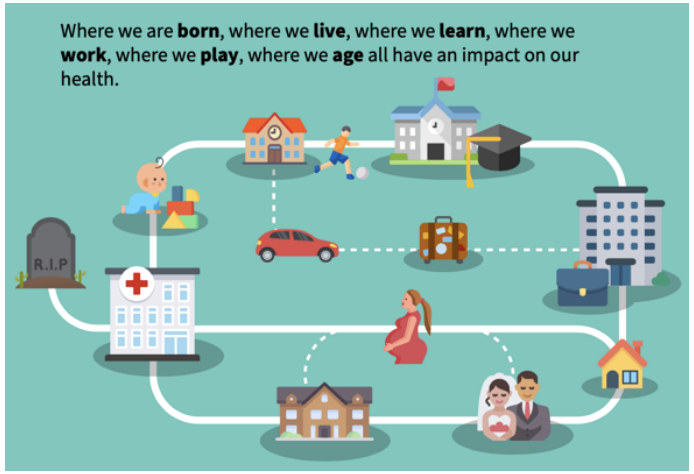
Agreement algorithms help to ensure collective accuracy

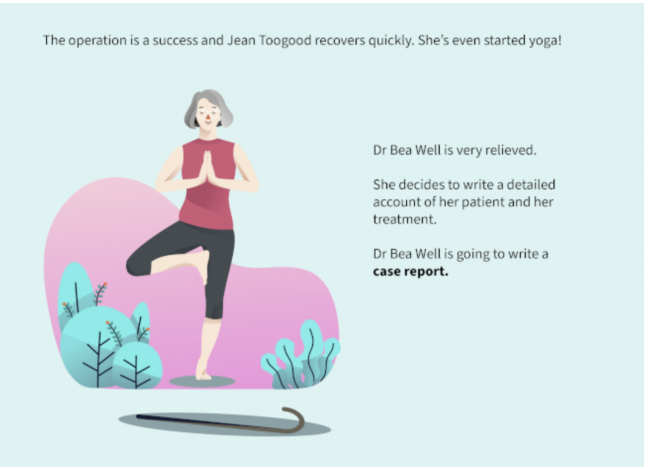


Methods

As well as microtasks, Cochrane Crowd also offers **microlearning**







Microlearning sets on ***Key Concepts in Health Research***, ***Introducing Health Equity***, ***Understanding Study Designs***, ***Key Steps in a Systematic Review***

"Like Duolingo for health evidence synthesis" (kind of!)

Methods

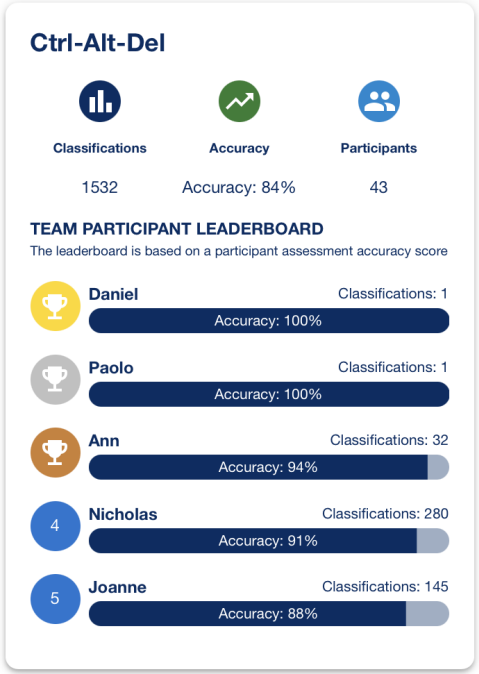
Frequently asked the question: ***Can I use Cochrane Crowd for my students?***

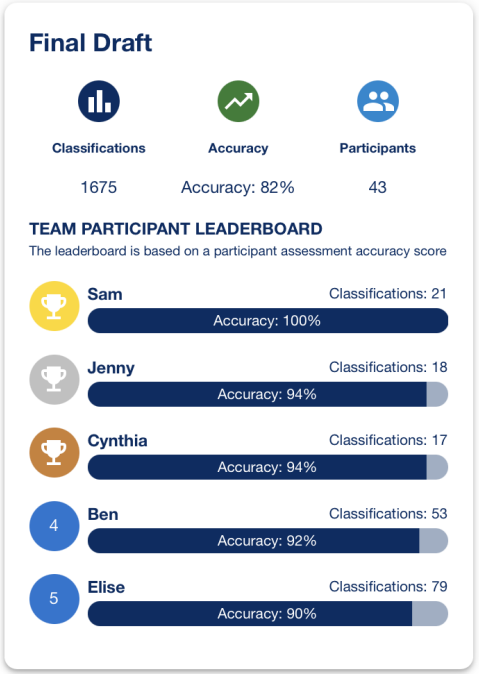


Classmate *enables teachers, trainers to use the Cochrane Crowd microtasks and microlearning in their teaching environments*

Methods

Classmate includes various features such as being able to **monitor performance**, put students into **teams**, create **leaderboards**, choose **healthcare areas of interest**.





We demonstrated the teams and leaderboard functionality at a staff get-together where the IT team were pitted against the copy editors

Results

Almost **13 million** classifications

Multiple evaluations have demonstrated high collective accuracy ranging from 97-100% on mainstream tasks



42,800 people have joined

Almost 50% of those who have signed up since March 2020 are aged between 17-24 years old.

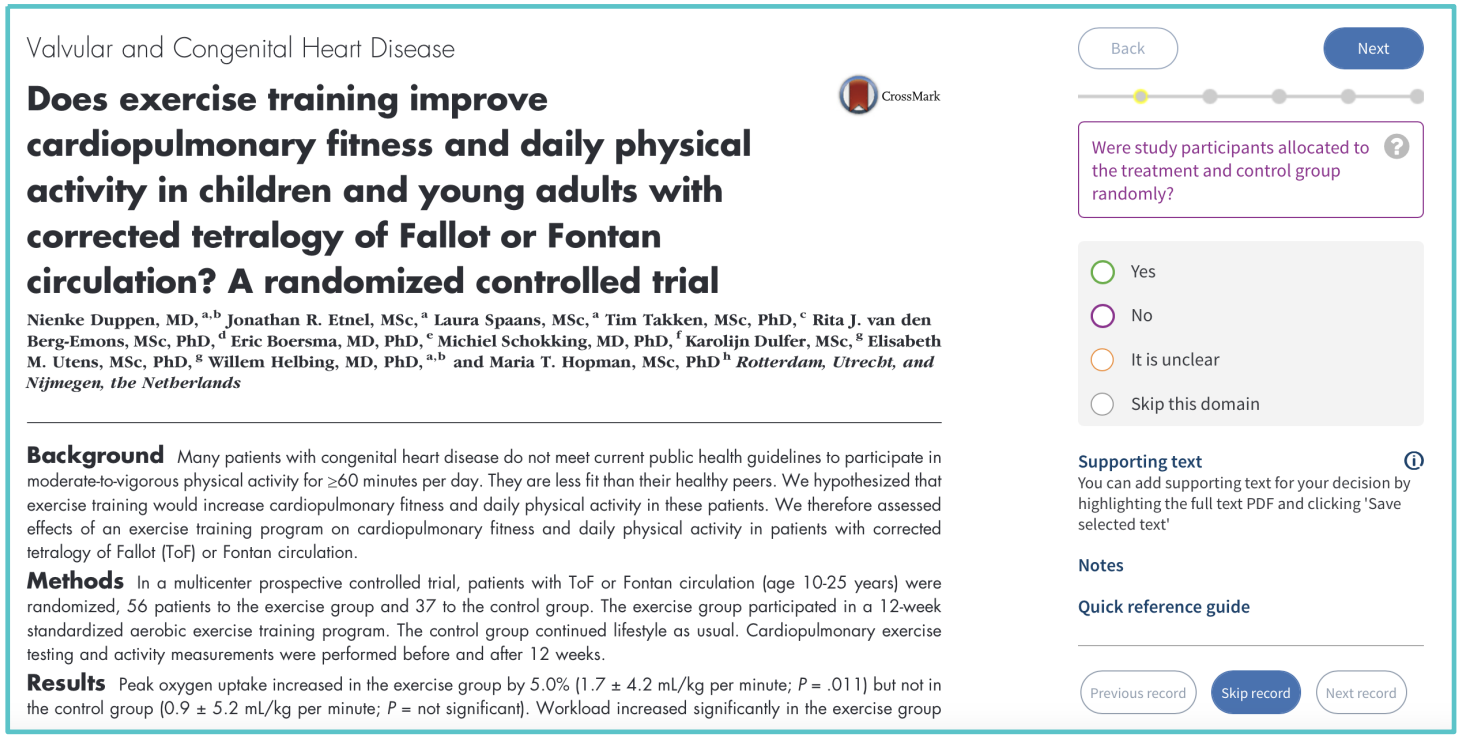
Created and run over **250** microtasks

Some tasks are long-term tasks, some are tasks related to specific reviews, and some are non-Cochrane tasks

Contributors are based in over **200** countries

The top five countries are: United Kingdom, Australia, India, Mexico, Canada

Next steps



Valvular and Congenital Heart Disease

Does exercise training improve cardiopulmonary fitness and daily physical activity in children and young adults with corrected tetralogy of Fallot or Fontan circulation? A randomized controlled trial

Nienke Duppen, MD,[a,b] Jonathan R. Etnel, MSc,[a] Laura Spaans, MSc,[a] Tim Takken, MSc, PhD,[c] Rita J. van den Berg-Emons, MSc, PhD,[d] Eric Boersma, MD, PhD,[e] Michiel Schokking, MD, PhD,[f] Karolijn Dulfer, MSc,[g] Elisabeth M. Utens, MSc, PhD,[g] Willem Helbing, MD, PhD,[a,b] and Maria T. Hopman, MSc, PhD[h] *Rotterdam, Utrecht, and Nijmegen, the Netherlands*

Background Many patients with congenital heart disease do not meet current public health guidelines to participate in moderate-to-vigorous physical activity for ≥60 minutes per day. They are less fit than their healthy peers. We hypothesized that exercise training would increase cardiopulmonary fitness and daily physical activity in these patients. We therefore assessed effects of an exercise training program on cardiopulmonary fitness and daily physical activity in patients with corrected tetralogy of Fallot (ToF) or Fontan circulation.

Methods In a multicenter prospective controlled trial, patients with ToF or Fontan circulation (age 10-25 years) were randomized, 56 patients to the exercise group and 37 to the control group. The exercise group participated in a 12-week standardized aerobic exercise training program. The control group continued lifestyle as usual. Cardiopulmonary exercise testing and activity measurements were performed before and after 12 weeks.

Results Peak oxygen uptake increased in the exercise group by 5.0% (1.7 ± 4.2 mL/kg per minute; $P = .011$) but not in the control group (0.9 ± 5.2 mL/kg per minute; P = not significant). Workload increased significantly in the exercise group

Back | Next

Were study participants allocated to the treatment and control group randomly?

- Yes
- No
- It is unclear
- Skip this domain

Supporting text
You can add supporting text for your decision by highlighting the full text PDF and clicking 'Save selected text'

Notes

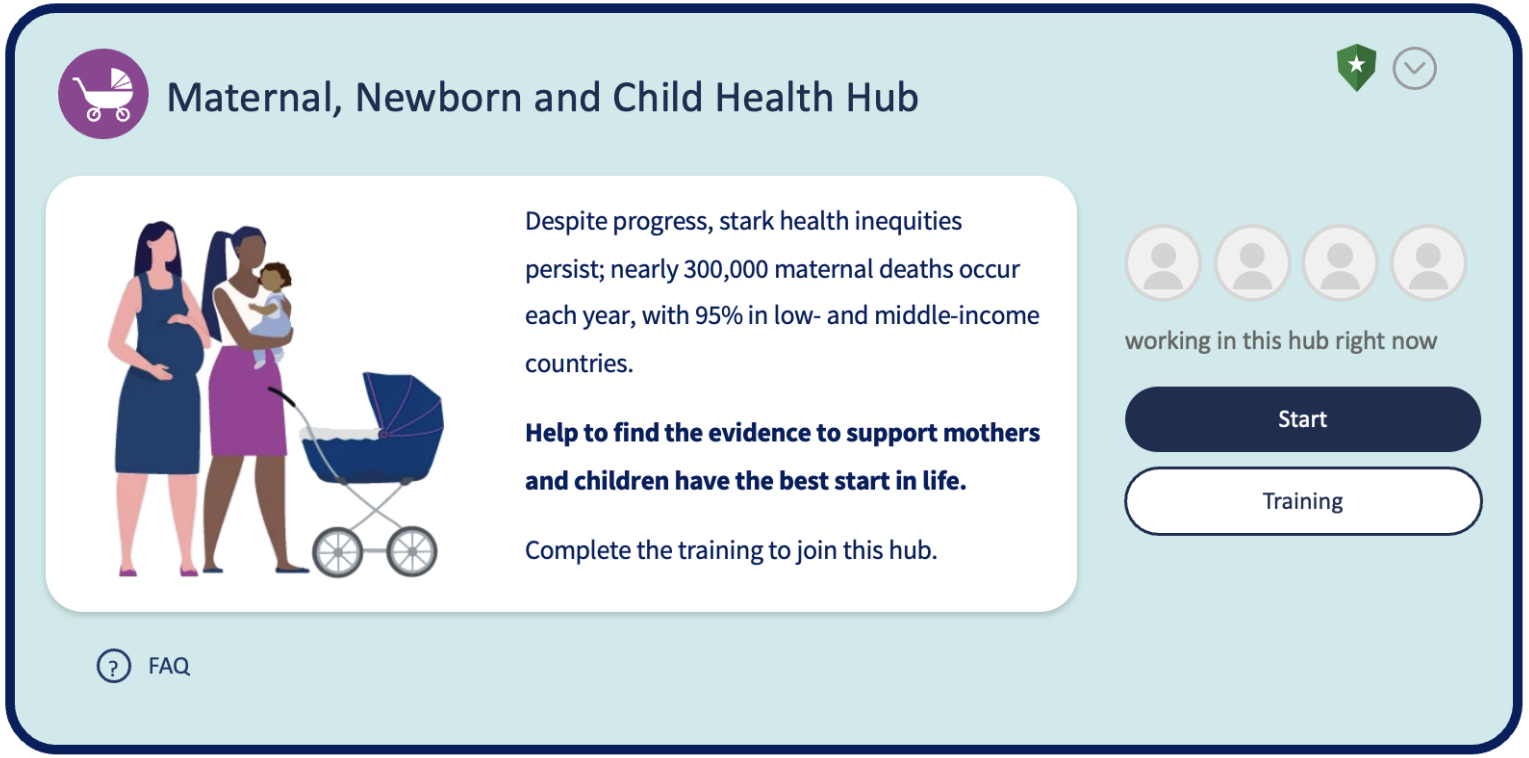
Quick reference guide

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Develop a range of **new microtasks** that introduce people to other parts of the evidence synthesis process, as well as help to generate reusable meta-data about studies and trials.

Here is an example Risk of Bias 2 crowd task.

Next steps



Better enable newcomers and experts alike to work together to curate evidence related to some of **the most pressing health issues** of our time.

Make all tasks available through Classmate.

Helping to make a difference through learning and doing.