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Background

- Generic economic evaluation (EE) reference cases (RCs) may be insufficient to address the unique healthcare paradigms of precision medicine (PM).
- There is a crucial need to develop a new reference case specifically for PM evaluations.

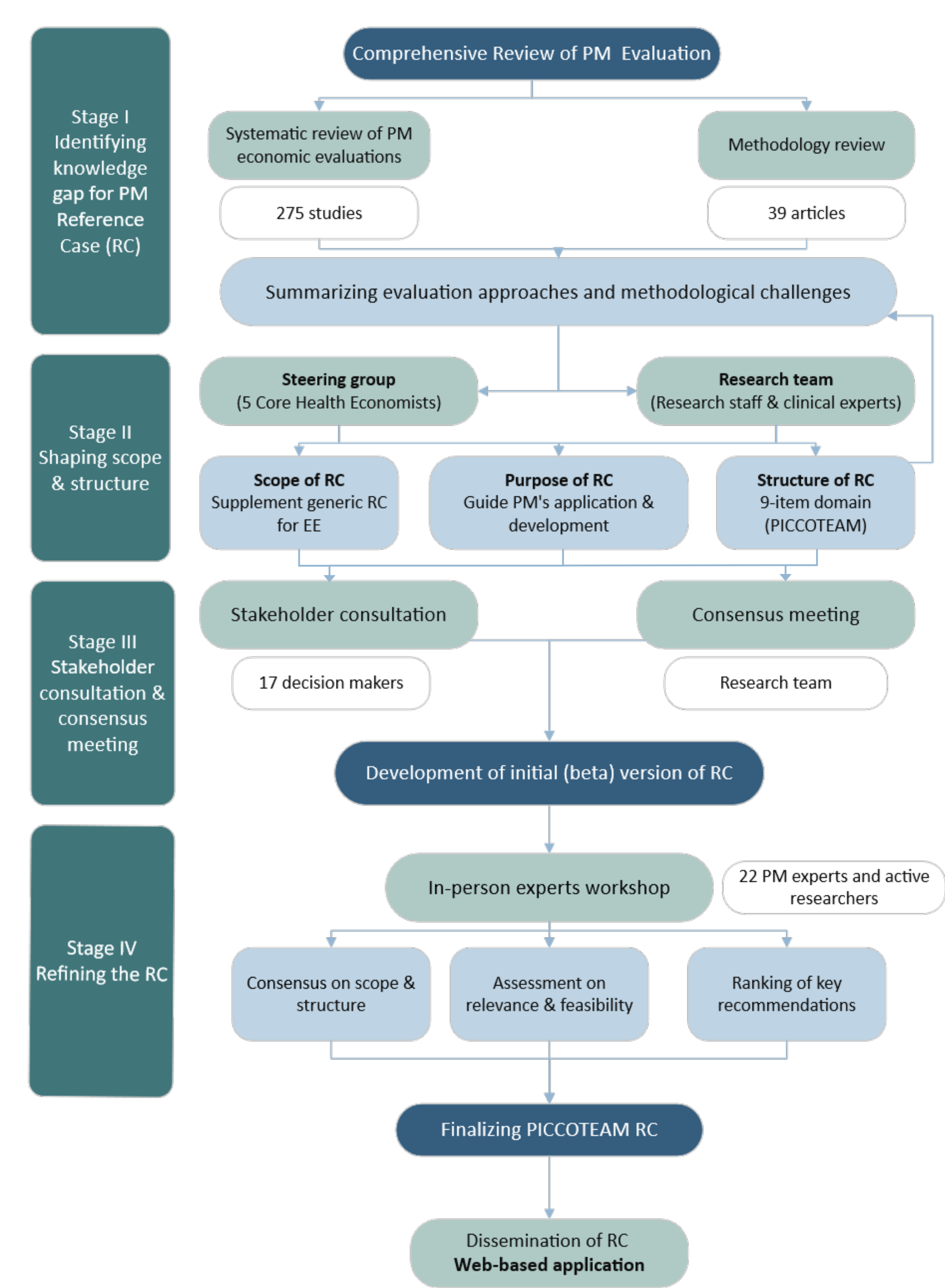
Objectives

This study aimed to develop a new RC, hereafter referred to as **“PICCOTEAM Reference Case”**, to promote evidence-informed policymaking on PM.

Methods

- Stage 1.** Shaping scope & structure
- Stage 2.** Evidence synthesis from previous reviews
- Stage 3.** Stakeholder consultation & expert consensus
- Stage 4.** Refining the reference case
- Stage 5.** Dissemination of PICCOTEAM RC into a freely-accessible web-based application

Figure 1. Schematic diagram of developing PICCOTEAM RC



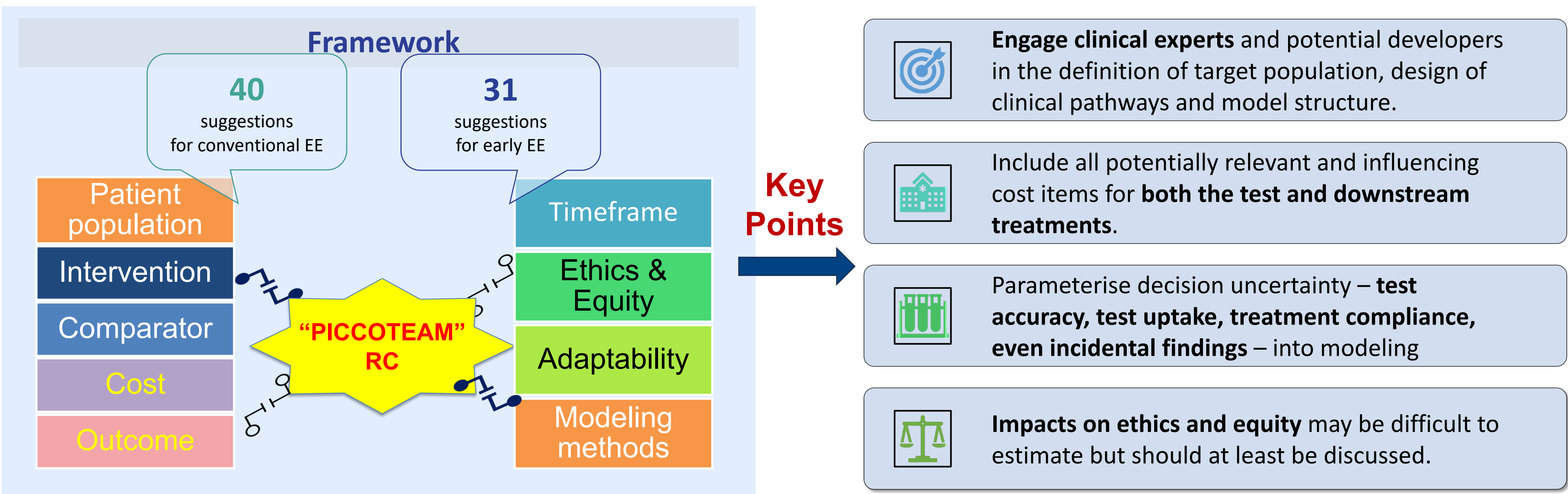
Limitation

- No detailed guidance on actual modeling practice
- Emphasis of expert opinion vs conflict of interests

Results

Output

Figure 2. Output and key points the PICCOTEAM RC



RC web-based tool

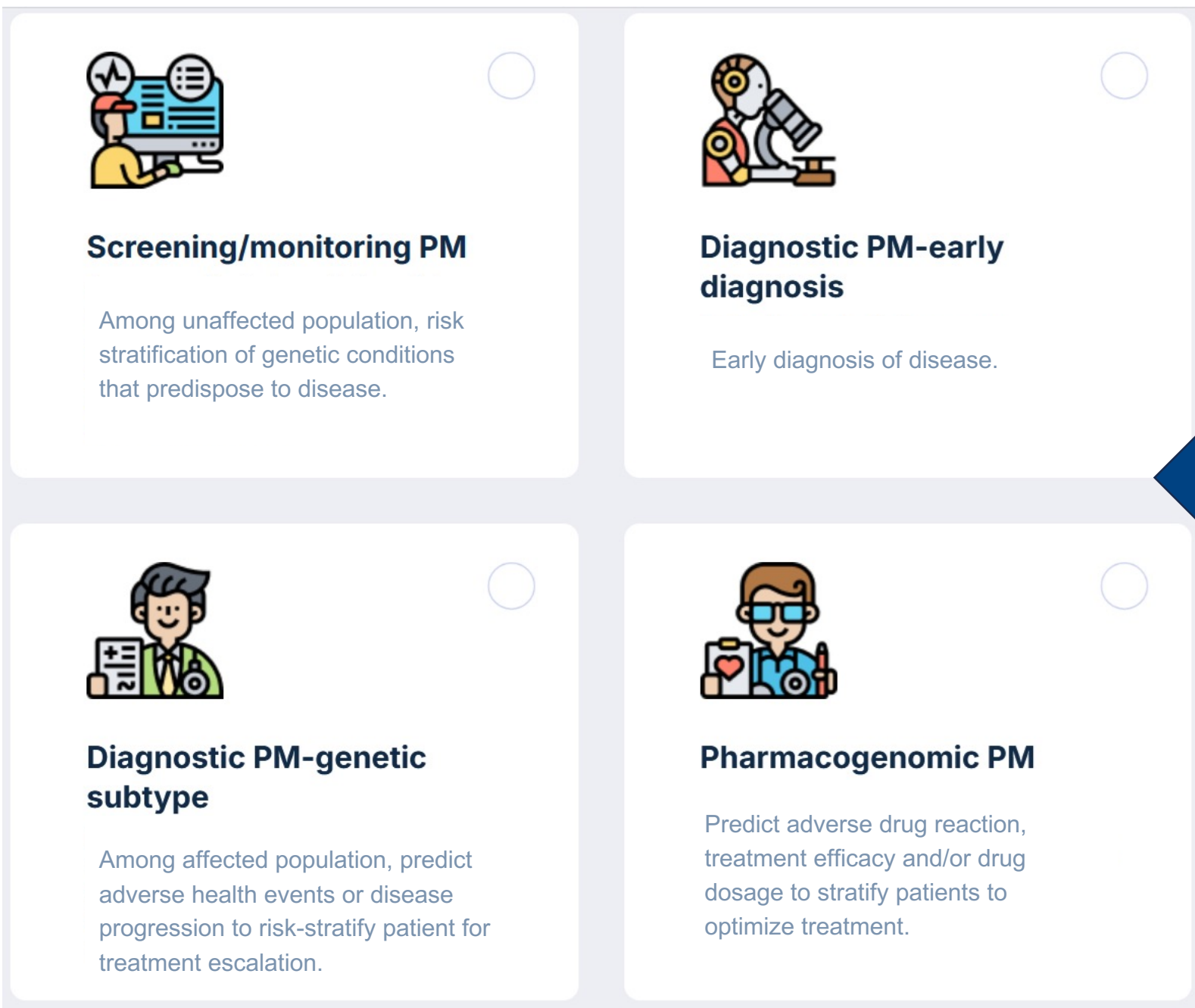


Please scan the QR code for access to the web tool



PM-RC web tool

Select the type of genetic tests



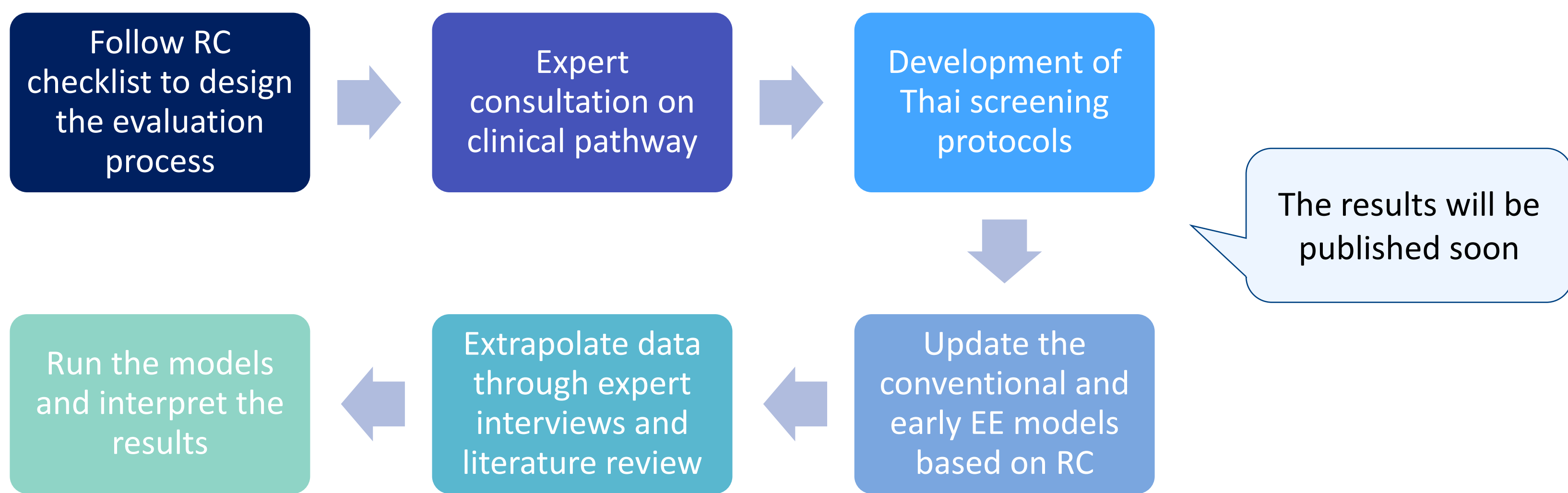
Select the stage of evaluation



Application of PM-RC in practice: A pilot case study from Thailand

– Cost-effectiveness of Cascade testing for Familial Hypercholesterolemia in Thailand

Figure 3. Flow chart of the study process following PM-RC's recommendations



Conclusion

- The developed PICCOTEAM RC is a significant step towards standardizing and advancing the EE of PM, which serves to improve the comparability, adaptability, and quality of the estimated value for money of PM.
- It is important to acknowledge and rectify the limitations of this RC, promote its use, and consistently refine it to adapt to the evolving landscape of PM.

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Conflict of Interest: This study has no conflict of interest to report