

Background

- Case series studies (CSs) are sometimes the only form of research evidence available from which to obtain evidence in health technology assessment (HTA) reviews and systematic reviews
- There is no consensus about which items to include in a quality checklist for CSs
- The IHE checklist and instructions for use build upon some previous tools, empirical evidence, and expert consensus

Objective

- To introduce the IHE quality appraisal tool for CSs studies--Development (Phase I) and Preliminary validation (Phase II) (Figure 1)
- To summarize user feedback/experiences and outline potential challenges (Table 1)
- To provide practical solutions for using or adapting the checklist to various HTAs (Table 1)

Method

- Feedback obtained formally and informally from 15 researchers
- Questions focused on the relevance, clarity, usefulness

FIGURE 1

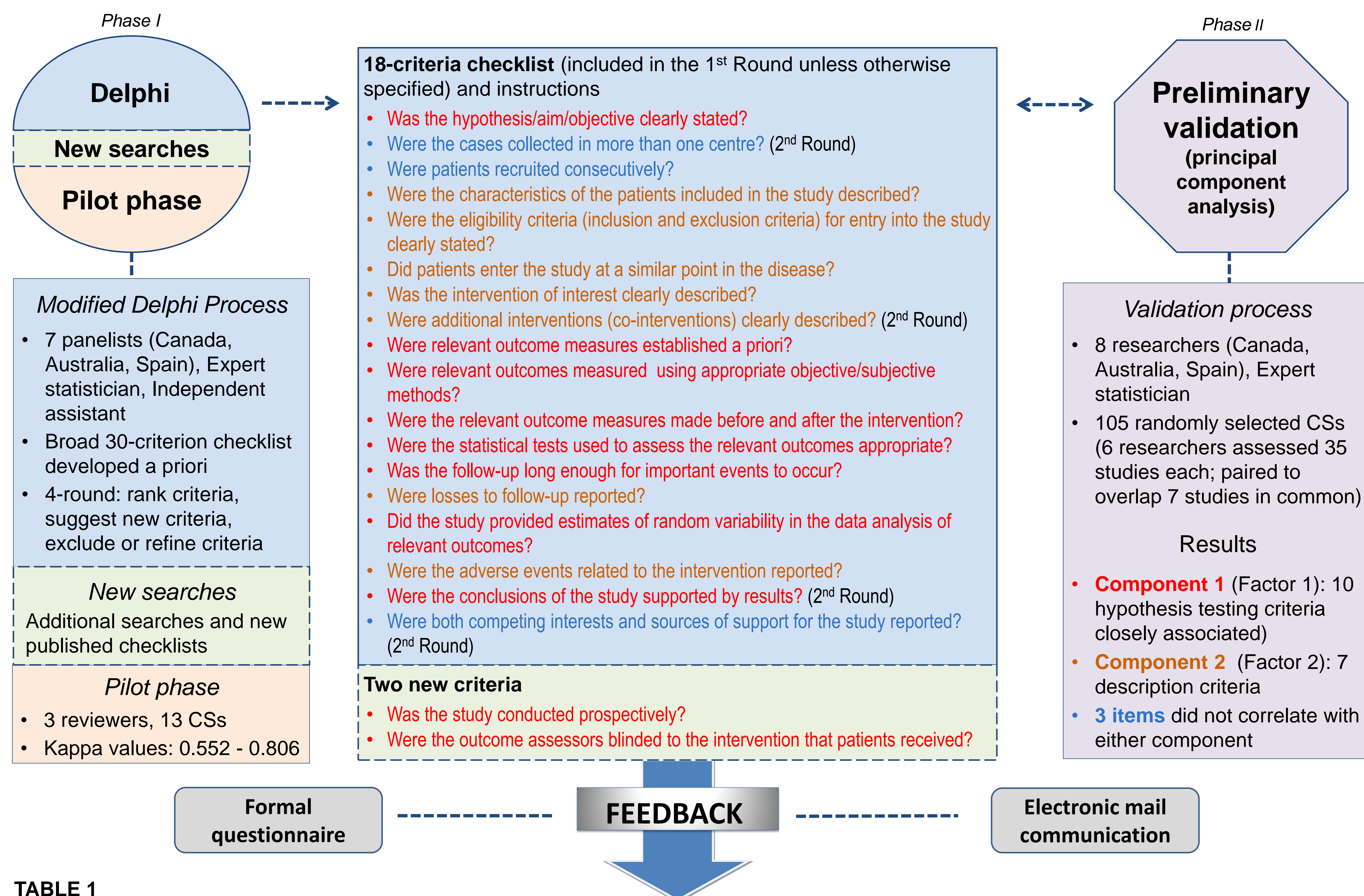


TABLE 1

Advantages	Challenges	Solutions
<ul style="list-style-type: none"> • Preliminarily validated • There is some scope to allow some modifications of the tool, to allow for more important quality issues to be highlighted 	<ul style="list-style-type: none"> • Different criteria may be more or less important in a specific topic • No scale or numeric score, or cut-off point was developed for the checklist 	<ul style="list-style-type: none"> • Identify criteria relevant to the project and focus the analysis on studies that met those criteria • Establish a cut-off point to separate "high-quality" from "low-quality" studies
<ul style="list-style-type: none"> • Generally easy to use when reviewing information and data from similar studies 	<ul style="list-style-type: none"> • Longer time to complete the appraisal, difficult to apply if unfamiliar with intervention 	<ul style="list-style-type: none"> • Obtain clinical and or statistical input from experts in the field of interest
<ul style="list-style-type: none"> • Includes a set of detailed instructions (Yes; No; Partial; Unclear) 	<ul style="list-style-type: none"> • Some criteria could be difficult to score due to lacking of information or poor reporting or lack of familiarity with intervention 	<ul style="list-style-type: none"> • Customize the instructions prior to conducting the assessment to increase its usability and reduce disagreements between reviewers
<ul style="list-style-type: none"> • Assess quality of reporting, risk of bias, and aspects of generalizability in before-and-after CSs 	<ul style="list-style-type: none"> • No universally validated tool is available to review multiple types of studies included in a review 	<ul style="list-style-type: none"> • Focus on Component 1 (hypothesis testing) or Component 2 (description of subject/intervention as per validation results)
<ul style="list-style-type: none"> • General satisfaction with use; useful; low level of disagreement; adds value to reviews 		

REFERENCES

Moga C, Guo B, Schopflocher D, Harstall C. *Development of a quality appraisal tool for case series studies using a modified Delphi technique*. Edmonton (AB): Institute of Health Economics; 2012.

Guo B, Moga C, Harstall C, Schopflocher D. A principal component analysis is conducted for case series quality appraisal checklist. *Journal of Clinical Epidemiology* 2016;69:199-207.

IHE website: www.ihe.ca/research-programs/md/cssqac/cssqac-about

Feedback form: www.ihe.ca/research-programs/md/cssqac/cssqac-suggestions

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