

COCHRANE CORNER

# South African Guidelines Excellence (SAGE): Adopt, adapt, or contextualise?

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Clinical practice guideline (CPG) activities must be planned carefully for efficient use of available resources and evidence-based implementation. *De novo* development of CPGs may sometimes 'recreate the wheel' and delay implementation. Three innovative alternatives to *de novo* CPG development (adopt, contextualise or adapt) are outlined, which have greater potential than *de novo* development to best use the limited available resources, personnel and time in settings such as South Africa.

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Clinical practice guidelines (CPGs) assist policymakers, managers, clinicians and patients to make evidence-informed healthcare decisions.<sup>[1]</sup> Most CPGs have been developed by reputable internationally recognised groups with established methods, and experienced multidisciplinary teams (methodologists and content experts).<sup>[2-5]</sup> They are generally based in higher-income countries and focus on their healthcare priorities and systems.<sup>[6]</sup>

As more low- and middle-income countries (LMICs) use CPGs to improve healthcare practices, policymakers, managers and clinicians can draw on existing CPGs. However, these may be of questionable relevance to local settings (nature of practice, resources available, etc.) and local health priorities (country-specific priorities such as HIV or TB in Africa). Consequently, CPG groups in these countries may opt to develop *de novo* locally relevant CPGs, rather than considering how they could efficiently 'localise' existing CPGs.

Developing *de novo* guidelines is expensive and time-consuming and requires CPG knowledge, skills and expertise, which are limited in LMICs, including South Africa (SA).<sup>[7]</sup> The need for evidence-informed and cost-efficient healthcare is urgent, and CPGs produced for local needs in these countries may have compromised quality and credibility and fail to meet international reporting standards for CPGs.<sup>[8]</sup> We have previously examined critical components of good-quality CPGs,<sup>[9]</sup> the potential of dedicated projects

such as South African Guidelines Excellence (SAGE) to better understand the development, implementation and use of CPGs in SA primary care settings,<sup>[10]</sup> and the construction and management of effective, efficient and outcome-focused CPG teams.<sup>[11]</sup> An alternative approach to CPG development is proposed that involves adopting, contextualising or adapting existing CPGs to suit local purposes. We outline four steps for determining the need for developing *de novo* CPGs, or identifying an alternative (Fig. 1).

## Step 1. Establish the CPG condition, target patient group and end-users

Identify the condition, and the characteristics of patients for whom guidance is needed and who will use the CPG.

## Step 2. Identify existing CPGs

Search reputable guideline sources for relevant CPGs. Several guideline sites allow free access to full CPGs developed for a

range of conditions. Useful CPG resources can be accessed at <http://www.mrc.ac.za/cochrane/SAGEResources.pdf>

## Step 3. Screen the CPGs and decide whether *de novo* development is necessary

Check whether the CPG was published within the past 5 years and is of good quality using standardised tools<sup>[12-13]</sup> such as AGREE II<sup>[14]</sup> or the iCAHE tool.<sup>[15]</sup>

- (a) If a CPG is outdated or of poor quality, an update is recommended using formal *de novo* methods.<sup>[1,16]</sup>
- (b) If a CPG is current and of good quality, it is justifiable to use it and *decide whether to adopt, contextualise or adapt the recommendations.*

## Step 4. Consider whether to adopt, adapt or contextualise

### Step 4.1 Adopt

Decide to *adopt* if the CPG has recommendations that are relevant and applicable

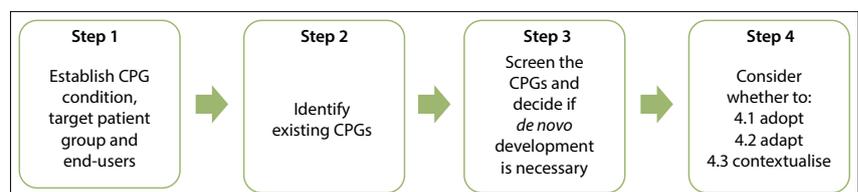


Fig. 1. Steps in determining the need for CPG *de novo* development and other CPG approaches.

to local needs and settings. *CPG adoption is a method where CPGs produced elsewhere are used as is, and directly implemented into practice.*<sup>[17]</sup> Countries with the same patient types, health systems and resources should be able to adopt and implement such CPG recommendations.

#### Step 4.2 Contextualise

Decide to *contextualise* if the CPG has recommendations relevant to local needs; however, consideration of local context issues is required prior to implementation. *CPG contextualisation is a method where recommendations from CPGs produced elsewhere can be adopted; however, additional information is required to address local contexts.*<sup>[17-18]</sup>

Current good-quality CPGs for many conditions, such as chronic pain, should be applicable to patients in most settings. The challenge is to contextualise (localise the evidence to fit local contexts),<sup>[19]</sup> e.g. high-quality CPGs for chronic pain commonly recommend that patients should participate in individualised exercise programmes to improve function,<sup>[18-20]</sup> which is relevant to chronic pain patients internationally. However, this may be difficult to implement in many SA communities, as trained exercise instructors, exercise equipment or safe exercise spaces may not be available. To implement this CPG recommendation, contextualisation is therefore required (find a secure community space, and use mats, towels, and kitchen items for weights), and regular group/community exercise programmes may be implemented as alternative strategies.

#### Step 4.3 Adapt

Decide to *adapt* if CPG recommendations are unachievable in local circumstances, and new evidence must be added to make them relevant to local conditions and therefore implementable. *CPG adaptation is a method where recommendations are taken from CPGs produced elsewhere but amended to include local research evidence and expert group consensus.*<sup>[15]</sup> In adapting, a process of layering the evidence underpinning recommendations from existing CPGs with additional local evidence is used. For example, if drug A, which is recommended in high-quality CPGs for patients with acute stroke, is not available in a country (not registered, too expensive, cannot be safely stored, etc.) and instead drug B is locally available, affordable, with locally tested evidence and with equivalent benefits to drug A, the CPG recommendation could be adapted to suggest that drug B could be used.

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