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Developing and Adaptation of Evidence Based Guidelines - An overview of the process -

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What is our concern

- Variability in clinical practice, which has been defined as **inequality** in the use of health resources between different geographic areas or healthcare levels, in circumstances in which adaptation of the knowledge and resources of the system should primarily be aimed at meeting individual patient needs



- Therefore, clear, credible and easy-to-use alternatives to Clinical Practice Guidelines in specific conditions are required in order to improve identification of key recommendations



Definitions

- Clinical protocols and pathways,
- Standards of care
- Evidence summaries
- Guidelines

Clinical pathways, or clinical protocols



- “Clinical management tools that organize and determine the sequence and duration of all types of interventions carried out by healthcare staff and hospital services in relation to a condition or a specific procedure”.



Clinical pathways, or clinical protocols

- In general, they describe recommendations and the supporting activities (**many of them known**), **some of them based on evidence** and **others based on the organization's past experience**.
- They also describe responsibilities and follow a sequence of administration times and places (surgical services)



The standard of care

- The standard required of doctors and other medical personnel. In other words, the medical standard of care refers to the idea that a doctor possessing the same knowledge and skills as any other doctor owes his patients the best possible treatment and care he can provide.

Evidence-based summaries



- Healthcare professionals that summarize the existing international evidence regarding medical care interventions and common care processes in specific clinical areas.
- Based on **structured literature searches** focusing on specific problems, and they are drafted after a critical quality appraisal and are subject to **peer review designed** to ensure that they meet certain requirements.
- They are aimed at informing and guiding decision-making regarding clinical **policy and practice**

Good Practice GUIDELINES



- “Systematically developed statements to assist practitioner and patient (public) decisions about appropriate health interventions for specific circumstances”
- Derived from: Institute of Medicine Committee to Advise the Public Health Service on Clinical Practice Guidelines. *Clinical Practice Guidelines: Directions for a new program*. Washington DC: National Academy Press, 1990.

Guideline: **Development** or
Adaptation

Or **Adopting** a guideline?

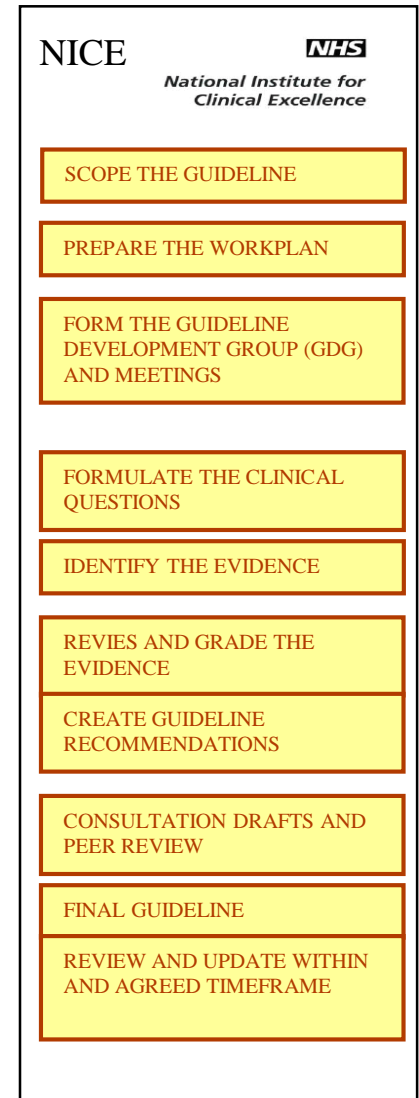
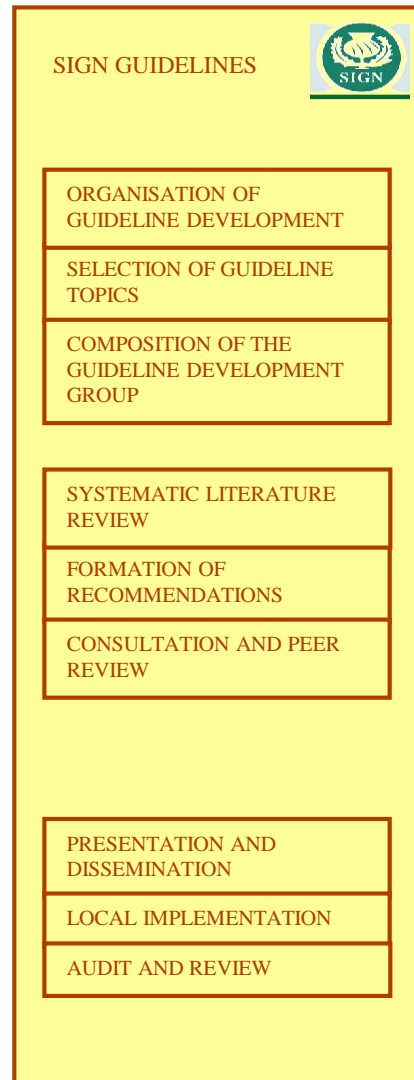
How are evidence-based guidelines
developed?

How are evidence-based guidelines developed?



1. Identifying and refining the subject area of a guideline
2. Running guideline development groups
3. Identifying and assessing the evidence
4. Translating evidence into a clinical practice guideline
5. Reviewing and updating guidelines

GUIDELINE DEVELOPMENT
PROCESS



Scottish Intercollegiate Guidelines Network. *SIGN 50: A Guideline developers' handbook*, Edinburgh, March 2004

National Institute for Clinical Excellence. *Guideline Development Methods*. London, Feb 2004

Looking at how

Guideline adaptation



Definition

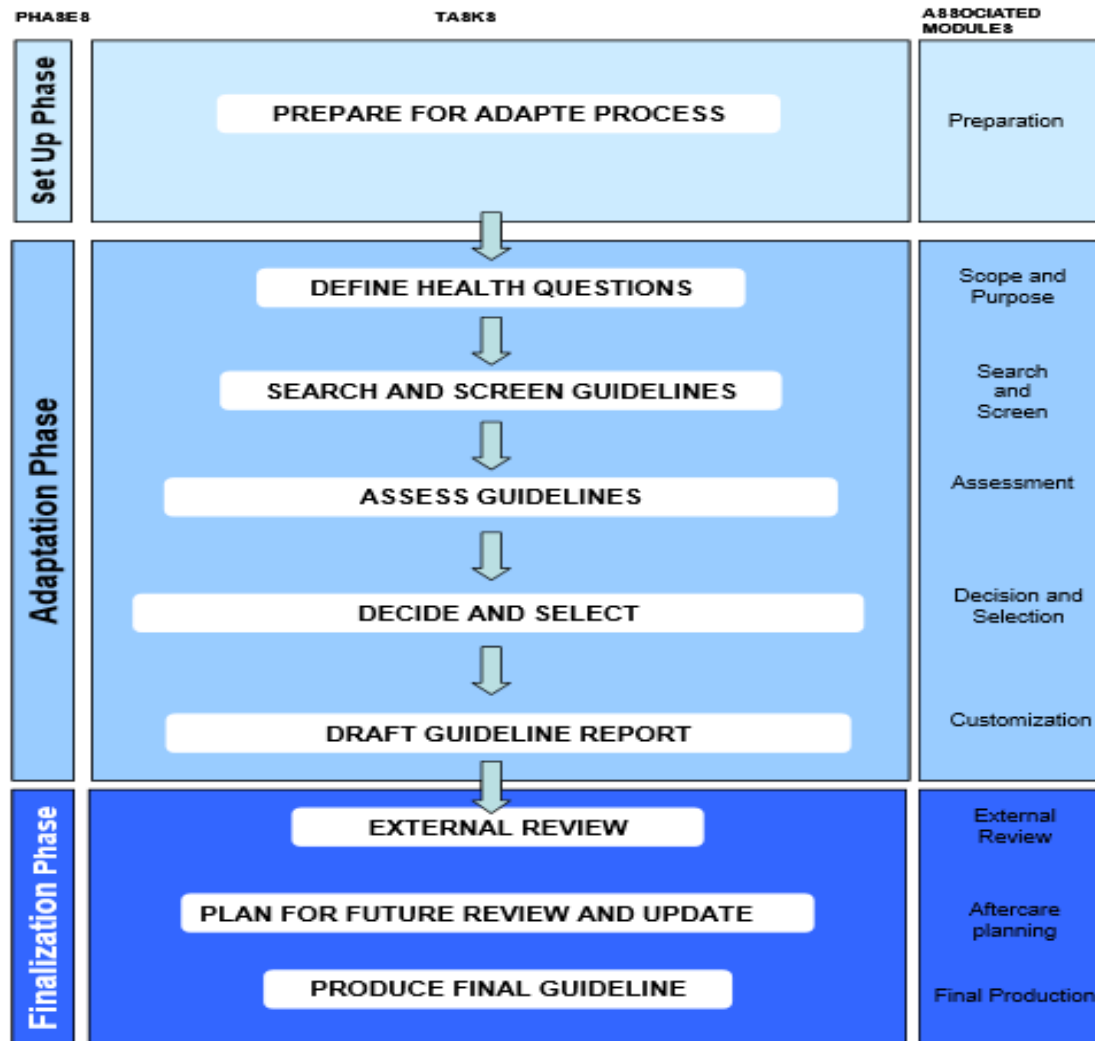
- A systematic approach to considering the use and/or modification of a guideline(s) produced in one cultural and organizational setting for application in a different context.

Aim of guideline adaptation



- The overall objective of adaptation is to take advantages of existing guidelines in order to enhance the efficient production and use of high-quality adapted guidelines.

Outline of adaptation process

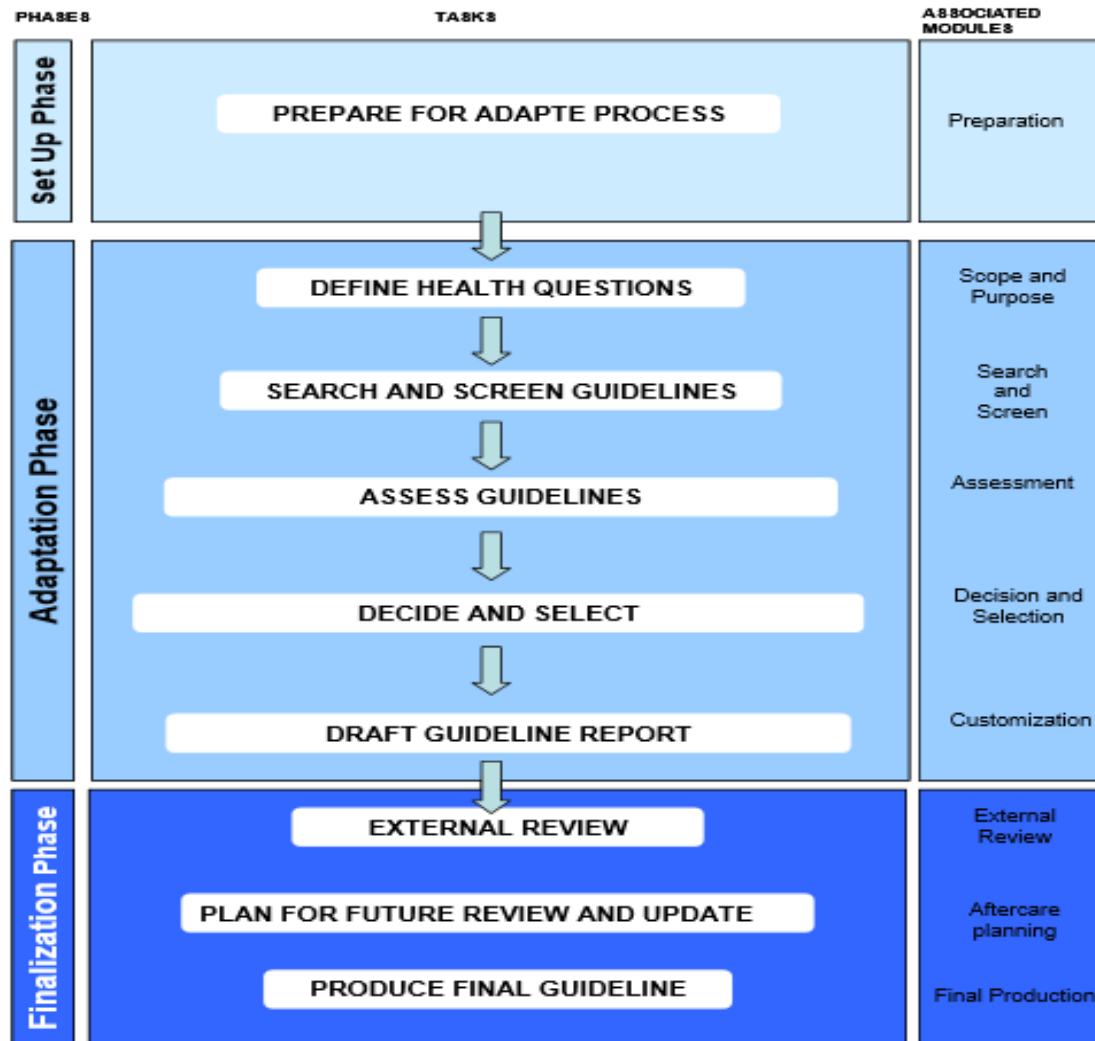




Set-up phase

1. Check whether adaptation is feasible
2. Establish an organizing committee
3. Select a guideline topic
4. Identify necessary resources and skills
5. Defining tasks and roles
6. Writing adaptation plan

Outline of adaptation process



Adaptation phase- defining health question



- PIPOH

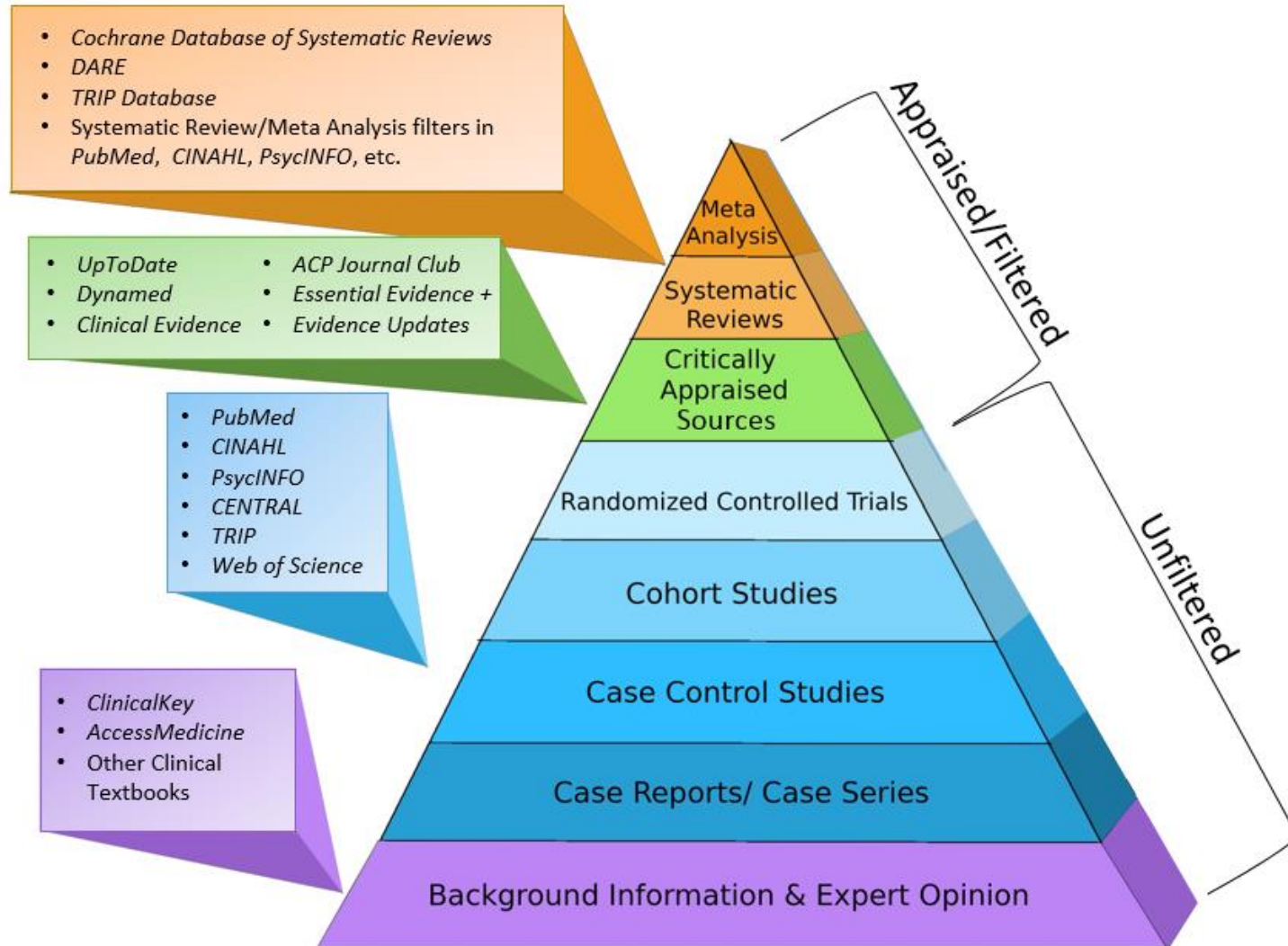
- Population
- Intervention
- Professionals to whom the guideline will be targeted
- Outcomes
- Health care setting or context



Adaptation phase- search and screen

2. Search for guidelines and other relevant documentation
3. Screen retrieved guidelines (AGREE instrument)
4. Reduce total number of guidelines if there are more than can be dealt with by the panel

Where can I Find the Evidences



Appraisal of Guidelines, Research and Evaluation (AGREE) Collaboration



- Scope and purpose
- Stakeholder involvement
- Rigor of development
- Clarity and presentation
- Applicability
- Editorial Independence

Adaptation phase- assessment



- Assess guideline
 - Quality (AGREE)
 - Currency (publication date of the guideline)
 - Content (matrices of recommendations)
 - Consistency (evaluating search strategy and evidence selection)
 - Acceptability/ applicability of recommendation



Adaptation phase- decision and selection

1. Review assessments to aid in decision making
2. Select between guidelines and recommendations to create an adapted guideline

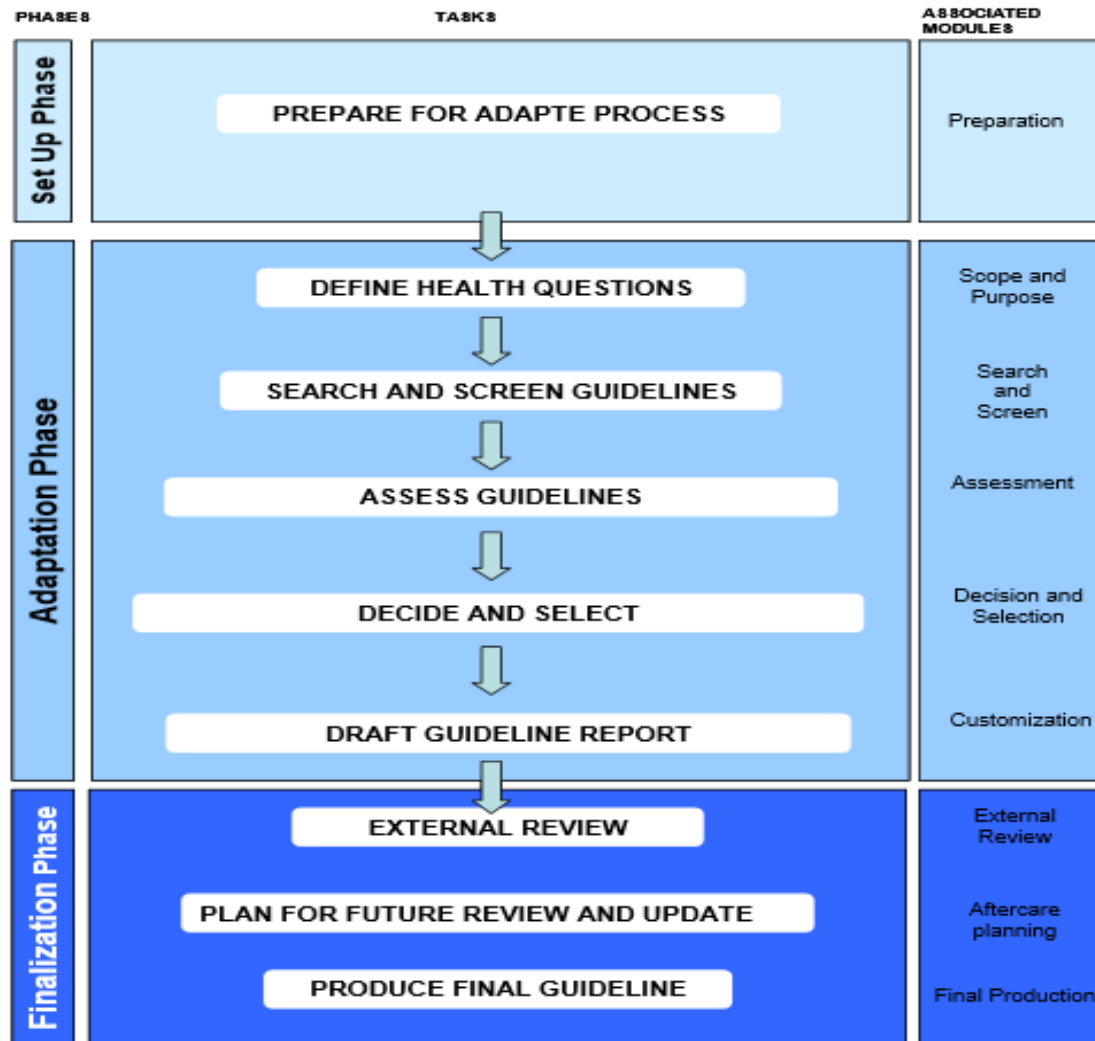
Adaptation phase- drafting the guideline





Guideline section	When to be completed/ Completed
1. Overview material <ul style="list-style-type: none"> • Structured abstract including: <ul style="list-style-type: none"> ○ Guideline's release date ○ Status (original, adapted, revised, updated) ○ Print and electronic sources • Adapter and source guideline developer 	
2. Introduction and background	
3. Scope and purpose	
4. Target audience of the guideline	
5. Health questions	
6. Recommendations <ul style="list-style-type: none"> • Risks and benefits associated with the recommendations • Specific circumstances under which to perform the recommendation • Strength of recommendation (if assigned) 	
7. Supporting evidence and information for the recommendations <ul style="list-style-type: none"> • Panel rationale behind the recommendations • Presentation of additional evidence • How and why existing recommendations were modified 	
8. External review and consultation process <ul style="list-style-type: none"> • Who was asked to review the guideline • What process was followed • Discussion of feedback • Feedback incorporated into the final document 	
9. Plan for scheduled review and update	
10. Algorithm or summary document	
11. Implementation considerations	
12. Glossary (for unfamiliar terms)	
13. References of all material used in creating the guideline	
14. Acknowledgment of source guideline developers and permission granted (where necessary)	
15. List of panel members and their credentials, declaration of conflicts of interest	
16. List of funding sources	
17. Appendix describing adaptation process including: <ul style="list-style-type: none"> • Guideline search and retrieval including list of guidelines and whether they were included/excluded, with rationale • Guideline assessments including a summary of results for each assessment (including AGREE domain scores) • Decision process followed by panel • Results and decisions of each evaluation 	

Outline of adaptation process





Finalization phase

- External review by target users (practitioner, patient, policymakers, organizational managers)
- Consult with endorsement bodies (by relevant professional organizations)
- Consult with source guideline developers
- Acknowledge source documents
- Plan for aftercare of the adapted guideline
- Produce high quality final guideline

