



Cochrane
Germany

Ad-olopment of guidelines: a way forward for Croatia

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Trusted evidence.
Informed decisions.
Better health.



Special thanks to:

Holger Schünemann

Elie Akl

Jan Brozek

Members of the KSA Team

Members of the GRADE Working Group



TABLE 1. PHASES, MODULES, AND STEPS IN ADAPTATION ACCORDING TO ADAPTE MANUAL

Phase	Modules	Steps
I. Setup	Preparation	<ul style="list-style-type: none"> ● Establish an organizing committee ● Select a guideline topic ● Check whether adaptation is feasible ● Identify necessary resources and skills ● Complete tasks for the set-up phase ● Write adaptation plan
II. Adaptation	Scope and purpose Search and screen	<ul style="list-style-type: none"> ● Determine the health questions ● Search for guidelines and other relevant documents ● Screen retrieved guidelines ● Reduce a large number of retrieved guidelines
	Assessment	<ul style="list-style-type: none"> ● Assess guideline quality ● Assess guideline currency ● Assess guideline content ● Assess guideline consistency ● Assess acceptability/applicability of the recommendations
	Decision and selection	<ul style="list-style-type: none"> ● Review assessments ● Select between guidelines and recommendations to create an adapted guideline
III. Finalization	Customization	<ul style="list-style-type: none"> ● Prepare draft adapted guideline
	External review and acknowledgment	<ul style="list-style-type: none"> ● External review by target users ● Consult with relevant endorsement bodies ● Consult with developers of source guidelines ● Acknowledge source documents
	Aftercare planning Final production	<ul style="list-style-type: none"> ● Plan scheduled review and update of adapted guideline ● Produce final guidance document

Decide if adaptation required

Health Research Policy and Systems 2006, 4:25

<http://www.health-policy-systems.com/content/4/1/25>

Table 1: Checklist for identifying guidelines requiring adaptation

Factors influencing the applicability or transferability of guidelines across different settings	Response (positive answers increase the likelihood that recommendations should be flagged as requiring adaptation)
1. Is there important variation in need (prevalence, baseline risk or health status) that might lead to different decisions?	<input type="checkbox"/> Yes <input type="checkbox"/> Unclear <input type="checkbox"/> No
2. Is there important variation in the availability of resources that might lead to different decisions?	<input type="checkbox"/> Yes <input type="checkbox"/> Unclear <input type="checkbox"/> No
3. Is there important variation in costs (e.g. of drugs or human resources) that might lead to different decisions?	<input type="checkbox"/> Yes <input type="checkbox"/> Unclear <input type="checkbox"/> No
4. Is there important variation in the presence of factors that could modify the expected effects (e.g. resistance patterns of microbiological pathogens), which might lead to different decisions?	<input type="checkbox"/> Yes <input type="checkbox"/> Unclear <input type="checkbox"/> No
5. Is there important variation in the relative values of the main benefits and downsides that might lead to different decisions?	<input type="checkbox"/> Yes <input type="checkbox"/> Unclear <input type="checkbox"/> No

- Variation in
- Baseline risk
 - Availability of resources
 - Costs
 - Effect modifiers
 - Values & preferences

Guideline ‘Ad-o-lopment’

- Ad-o-lopment = Adaptation + Adoption + Development
- Approach to the “adolopment” of guidelines through
 1. Identification of existing evidence syntheses (systematic reviews, HTAs, and evidence reports), which address specific clinical questions (and may have been produced to support previous guidelines)
 2. Updating the evidence syntheses
 3. Development of guideline recommendations in structured and transparent way specific to a healthcare setting (EtDs).
- Often not simply adopting recommendations given in previous guidelines.

Selection of Guidelines

- Use transparent grading and recommendation methodology
- Use transparent criteria for moving from evidence to recommendations
- Provide evidence summaries that are transparent (to allow production of GRADE evidence tables)
- Recently published



Credibility of the Systematic Review Process (e.g. AMSTAR)

- Did the review explicitly address a sensible clinical question?
- Was the search for relevant studies exhaustive?
- Was the risk of bias of the primary studies assessed?
- Were selection and assessments of studies reproducible?
- Did the review address possible explanations of between-study differences in results (heterogeneity)?
- Did the review present results that are ready for clinical application?
- Did the review address confidence in effect estimates (i.e, quality of evidence)?



SAUDI ARABIAN MOH GUIDELINES – PHASE II



Project Overview

- **Objective:** To develop health care guidelines on 12 clinical topics.
- Timeline: June 2014 through January 2015
- Focus in this project is on *‘ad-o-lopment’* of guidelines, rather than *de novo* development of guidelines.
- Collaboration between Ministry of Health of Kingdom of Saudi Arabia (MoH KSA) and McMaster University, Department of Clinical Epidemiology and Biostatistics (and partners in Freiburg und Beirut)

وزارة الصحة
Ministry of Health



The Saudi Center for
Evidence Based Health Care

Saudi Arabian Handbook for Healthcare Guideline Development

Selection of guideline topics

List of approximately 50 eligible existing guidelines or high priority topics

Definition of selection criteria and assessment of the potential topics according to the criteria.

- Published recently (i.e. 3-4 year max) in English language
- Risk of bias assessment for the evidence
- Existing, or accessible or reproducible, evidence tables or summaries,
- Transparent grading methodology of the quality of the evidence (ideally)
- Published (or otherwise accessible) search strategies with inclusion and exclusion criteria, for updating

Reasonably good scoring on credibility assessment tools (well done evidence review)

Topics

1. Prevention of venous thromboembolism (VTE) in nonsurgical patients
2. Prevention of VTE in surgical patients
3. Management of pre-eclampsia
4. Management of eclampsia
5. Screening for hypertension
6. Management of ST-elevation myocardial infarction
7. Screening for colon cancer
8. Management of obesity/overweight in adults
9. Management of breast lump
10. Migraine diagnosis and treatment
11. Management of thalassemia – treatment of iron overload and supplementation
12. Management of sickle cell anemia – acute and chronic



Groups and Roles

McMaster Guideline Working Group:

- Methodological support and training
- Evidence synthesis and updating
- Preparing evidence summaries for panels
- SRs on values and economic data
- Preparing guideline reports

Saudi Centre for EBHC

Saudi Expert Guideline Panels



Groups and Roles

McMaster Guideline Working Group

Saudi Centre for EBHC:

- Project coordination
- Recruiting panel members
- Facilitating communication with panels
- Dissemination of guidelines

Saudi Expert Guideline Panels



Groups and Roles

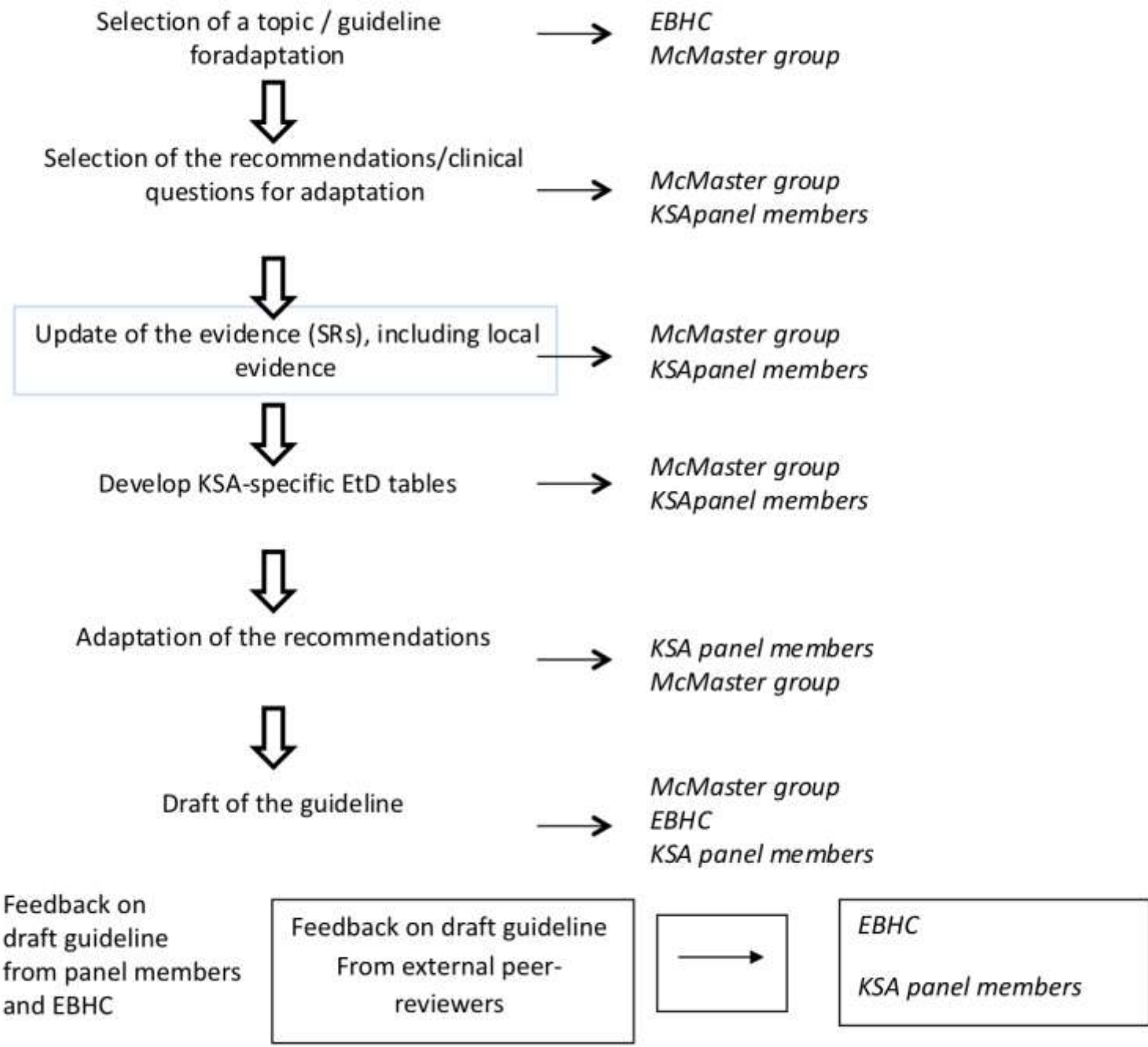
McMaster Guideline Working Group

Saudi Centre for EBHC

Saudi Expert Guideline Panels:

- Prioritization of questions for guidelines
- Suggesting local evidence and input on local data and contextual factors
- Reviewing evidence summaries
- Making judgements and formulating recommendations in final panel meeting
- Dissemination of guidelines





The Question

Key questions

1. Should home treatment vs. hospital treatment be used for patients with acute DVT of the leg?
2. Should early discharge vs. standard discharge be used for patients with acute PE?
3. Should heparin vs no heparin be used in outpatients with cancer who have no other therapeutic or prophylactic indication for anticoagulation?
4. Should oral anticoagulation vs no oral anticoagulation be used in outpatients with cancer who have no other therapeutic or prophylactic indication for anticoagulation?
5. Should parenteral anticoagulation vs no anticoagulation be used in patients with cancer and central venous catheters?
6. Should oral anticoagulation vs no anticoagulation be used in patients with cancer and central venous catheters?

وزارة الصحة
Ministry of Health



The Saudi Center for
Evidence Based Health Care

Venous Thromboembolism

Clinical Practice Guideline on the Treatment of Venous Thromboembolism

April 2014

The GRADE SoF table

Home treatment compared to hospital treatment for patients with DVT

Patient or population: patients with patients with DVT^{1,2}

Settings:

Intervention: home treatment^{3,4}

Comparison: hospital treatment

Bibliography: Gimeno R, Aky A, Okpo E. Home versus inpatient treatment for DVT. Cochrane database of Systematic Reviews 2007 Issue 3. Algahtani 2013

Outcomes	Illustrative comparative risks ^a (95% CI)		Relative effect (95% CI)	No of Participants (studies)	Quality of the evidence (GRADE)	Comments
	Assumed risk Hospital treatment	Corresponding risk Home treatment				
Mortality	46 per 1000	33 per 1000 (21 to 53)	RR 0.72 (0.45 to 1.15)	1708 (8 studies)	⊕⊕⊕⊖ low ^{3,4,5,6}	
Recurrent VTE	76 per 1000	49 per 1000 (33 to 71)	RR 0.65 (0.44 to 0.94)	1769 (7 studies)	⊕⊕⊕⊖ moderate ^{3,4,5}	
Major bleeding	21 per 1000	14 per 1000 (7 to 29)	RR 0.67 (0.33 to 1.36)	1708 (8 studies)	⊕⊕⊕⊖ low ^{3,4,5,6}	
Quality of life	-	-	-	0 (3 studies ⁷)	⊕⊕⊕⊖ low ^{8,9,10}	
Post thrombotic syndrome - not reported	-	-	-	-	-	

^aThe basis for the assumed risk (e.g. the median control group risk across studies) is provided in footnotes. The corresponding risk (and its 95% confidence interval) is based on the assumed risk in the comparison group and the relative effect of the intervention (and its 95% CI).

CI: Confidence interval; RR: Risk ratio;

GRADE Working Group grades of evidence

High quality: Further research is very unlikely to change our confidence in the estimate of effect.

Moderate quality: Further research is likely to have an important impact on our confidence in the estimate of effect and may change the estimate.

Low quality: Further research is very likely to have an important impact on our confidence in the estimate of effect and is likely to change the estimate.

Very low quality: We are very uncertain about the estimate.

¹ RCTs included recruited patients "whose home circumstances were adequate"

² RCTs included patients with leg DVT. They excluded those with PE and pregnant women

³ 4 RCTs had partial hospital treatment for some participants in the home group: Levine 1996 (mean hospital stay 2.1 vs. 6.5 days in home and hospital arms respectively), Koopman 1996 (2.7 vs. 8.1 days), Baccalon 2000 (1 vs. 9.6 days), and Ramacciotti 2004 (3 vs. 7 days). Chong 2005 and Daskalopoulos 2005 did not report mean duration of hospital stay.

⁴ One RCT (Baccalon 2000) used LMWH in both treatment groups. Remaining studies used LMWH in the outpatient group and UFH in the inpatient group.

⁵ Of 7 RCTs, allocation was clearly concealed in 3 (unclear in 4), outcome adjudicators were clearly blinded in the 2 largest RCTs (unclear in remaining 5), missing data was significant in one small RCT, and analysis was ITT in 4 (unclear in remaining 3). These limitations did not warrant downgrading of quality of evidence, particularly because it had already been downgraded by at least one level for other reasons.

⁶ CI includes values suggesting benefit and values suggesting harm

⁷ Backman 2004, using EQ 5D, found no differences in mean QoL scores or in proportion of participants showing improvement in self-rated health state. Koopman 1996, using the Medical Outcome Study Short Form-20 and an adapted version of the Rotterdam Symptom Checklist, found that changes over time were similar in both arms (exception: had better scores for physical activity (P=0.002) and social functioning (P=0.001) in those receiving LMWH at the end of the initial treatment. O'Brien 1999, using SF-36 in 300 participants from Levine 1996, found no significant differ-

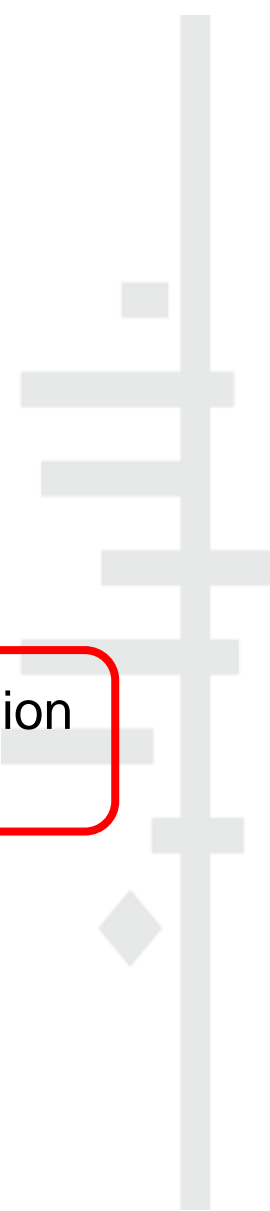
The GRADE/DECIEE EtD

Key questions

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Evidence-to-Decision
Framework





DECIDE

Developing and Evaluating Communication Strategies to Support Informed Decisions and Practice Based on Evidence



Home

Queries & Staying Informed

Project Partners & Coordinating Person

Work Packages & Strategies

Keypoints

Publications

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Welcome



is a 5-year project (running from January 2011 to 2015) co-funded by the European Commission under the Seventh Framework Programme.

Project Objective

"To improve the dissemination of evidence-based recommendations by building on the work of the GRADE Working Group to develop and evaluate methods that address the targeted dissemination of guidelines."

Background

Healthcare decision makers face challenges in understanding guidelines, including the quality of the evidence upon which recommendations are made, which often is not clear. Guidelines are also typically developed as a one-size-fits-all package. By developing and evaluating targeted dissemination strategies, DECIDE aims to increase the use of evidence-based interventions in a sustainable way and to reduce the use of interventions where benefits are uncertain.

Methods

GRADE is a systematic approach towards assessing and communicating the quality of evidence and the strength of recommendations. It has been developed to address the weaknesses of other grading systems and is now widely used internationally. The DECIDE consortium, which is composed of members of the GRADE Working Group, will further develop this approach to ensure effective dissemination of evidence-based recommendations targeted at the key stakeholders (healthcare professionals; policymakers and managers; patients and the general public) who determine what happens in clinical practice. We will collect stakeholder input from advisory groups, consultations and user testing. This will be done across a wide range of health systems in Europe. The targeted dissemination strategies that are developed will be evaluated in randomized trials, refined and used and evaluated with real guidelines developed by the DECIDE partners and other guideline developers that we support.

Expected results

Dissemination strategies for recommendations that have been rigorously evaluated in diverse settings, support the transfer of research into practice, and are adapted to real-world healthcare systems.

Related Resources

[Grade Working Group](#)

[Cochrane Applicability and Recommendations Methods Group](#)

Search

Search this site:

Our news

[DECIDE article is "Highly Accessed" \(18/06/2013\)](#)

[New DECIDE publication \(04/06/2013\)](#)

[DECIDE International Conference - initial planning phase](#)

[Accepted abstracts for G-I-N 2013](#)

[DECIDE Consortium and GRADE meetings, January 2014](#)

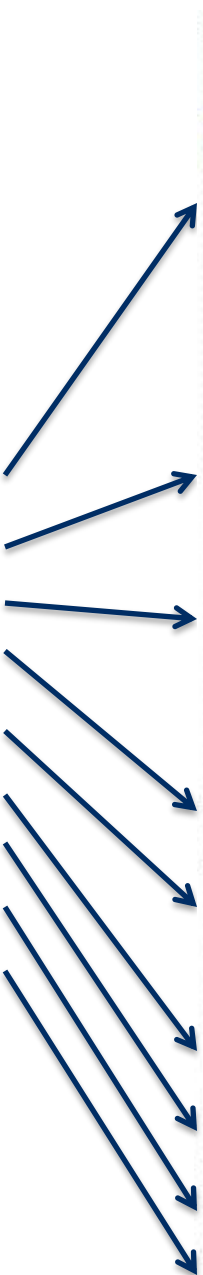
[New venue for Consortium meeting](#)

[DECIDE protocol is published](#)

[Angela Morelli has been selected as a Young Global Leader by the World Economic Forum](#)

[NICE have paper published about GRADE at Science Direct](#)

- Question/Problem
- Benefits and harms
- Quality of evidence
- Values
- Resources
- Equity
- Acceptability
- Feasibility
- Recommendation



Should ACP recommend dietary interventions for preventing kidney stone recurrence?		Background: Lifetime occurrence of kidney stones is 13% for men and 7% for women. After a symptomatic stone event, the 5-year recurrence risk is 25% to 50% without specific treatment. Annual direct costs in the United States may exceed \$4.2 billion. Optimal management to prevent recurrent kidney stones is unclear.	
DOMAIN	JUDGEMENTS	RESEARCH EVIDENCE	ADDITIONAL CONSIDERATIONS/EXPLANATIONS
PROBLEM	Is the problem a priority? No: Priority Not <input type="checkbox"/> Urgency Not <input type="checkbox"/> Severity Not <input type="checkbox"/> <input type="checkbox"/>	The lifetime incidence of kidney stones is approximately 13% for men and 7% for women. Although kidney stones may be asymptomatic, potential consequences include abdominal and flank pain, nausea and vomiting, urinary tract obstruction, infection, and procedure-related morbidity. The 5-year recurrence rate in the absence of specific treatment is 25 to 50 percent. Direct medical expenditures associated with kidney stones may exceed \$4.8 billion annually in the United States.	Reports conflict regarding whether or not evidence is being used. Not consistently available using evidence in women and a falling male-to-female ratio. Risk of kidney stones may increase due to medical conditions such as primary hyperparathyroidism, obesity, diabetes, gout, and metabolic malabsorption, and due to anovulatory abnormalities such as metformin, tamoxifen, and hormone therapy.
EVIDENCE & VALUES	Is there certainty in the relative importance or values of the main outcomes of interest? Agree <input type="checkbox"/> Disagree <input type="checkbox"/> Uncertain <input type="checkbox"/> Somewhat disagree <input type="checkbox"/> Strongly disagree <input type="checkbox"/>	The relative importance of outcomes of the main outcomes of interest: Outcomes: Relative importance: Certainty of the evidence Symptomatic recurrence: Critical Composite recurrence: Critical Radiographic recurrence: Important Withdrawals: Important	Values and preferences are considered from patients perspective. No formal assessment of patient's values and preferences, and no evidence found. However, considering the outcomes listed, that relative importance appears clear.
VALUES	What is the balance of the benefits and harms/burdens? <input checked="" type="checkbox"/> Benefits outweigh harms/burdens <input type="checkbox"/> Benefits slightly outweigh harms/burdens <input type="checkbox"/> Benefits and harms/burdens are balanced <input type="checkbox"/> Harms/burdens slightly outweigh benefits <input type="checkbox"/> Harms/burdens outweigh benefits	Critical and important outcomes: 1. Symptomatic recurrence: Large benefit <input type="checkbox"/> Small benefit <input checked="" type="checkbox"/> No effect <input type="checkbox"/> Small harm <input type="checkbox"/> Mixed benefit/harm <input type="checkbox"/> 2. Composite recurrence: Moderate benefit <input checked="" type="checkbox"/> Moderate harm <input type="checkbox"/> No effect <input type="checkbox"/> Small harm <input type="checkbox"/> 3. Composite recurrence: Low benefit <input type="checkbox"/> Moderate harm <input type="checkbox"/> No effect <input type="checkbox"/> Small harm <input type="checkbox"/> 4. Radiographic recurrence: Moderate benefit <input type="checkbox"/> Moderate harm <input type="checkbox"/> No effect <input type="checkbox"/> Small harm <input type="checkbox"/> 5. Withdrawals: Moderate benefit <input type="checkbox"/> Moderate harm <input type="checkbox"/> No effect <input type="checkbox"/> Small harm <input type="checkbox"/>	* For interventions that showed statistically significant effects. For other interventions, the kidney is less size. * Reduced echogenicity rate, no treatment showed a RR 0.81, 95% CI 0.71 to 0.90. * Relative interventions were: increased fluid intake vs control (RR 0.45, 95% CI 0.24 to 0.84), low protein and sodium, and normal calcium vs. low calcium diet (RR 0.52, 95% CI 0.25 to 0.95), calcium diet vs. vitamin diet (RR 0.52, 95% CI 0.14 to 0.74), and metformin or fluid and calcium intake vs. low animal protein high fiber diet. * Have effective interventions were decreased animal protein vs control (RR 1.05, CI 0.52 to 1.91), and increased fluid intake vs control (RR 1.18, 95% CI 0.86 to 1.71). * No effect when comparing increased fluid intake vs control (RR 0.75, 95% CI 0.52 to 1.07). * Low evidence (41%) when comparing increased fluid intake vs. no treatment. There was some reporting for other comparisons. Subgroups: All trials included patients with calcium stones. Evidence does not support varying subgroup effects according to baseline hypercalcaemia, hypernatraemia, or hypocalcaemia. Direct evidence addressing influence of effects according to baseline urine creatinine, phosphate, potassium, pH, calcium-uric acid supersaturation, sodium-phosphate supersaturation, or urine acid supersaturation is not available.
RESOURCES	Is there similarity about how much people value the critical and important outcomes? Better: Probably <input type="checkbox"/> Moderate <input type="checkbox"/> Probably not <input type="checkbox"/> Not similar <input type="checkbox"/>	There is no research evidence informing about the relative importance and similarity for the main outcomes.	The guideline panel believes, based on experience with affected patients, the value of the main outcomes will respect to each other seem to be clear with little variability.
RESOURCES	Are the resources required small? No: Feasible Yes <input type="checkbox"/> Moderate <input type="checkbox"/> Probably Yes <input type="checkbox"/> Not feasible <input type="checkbox"/>	A cost effectiveness analysis showed that the cost of the treatment of recurrent kidney stones using dietary interventions is approximately USD 234 in USA. (this includes an initial medical evaluation and follow-up with urine test later.) (Wu/Quinn, Urology 2005; 33: 323)	The cost varied across different settings, which vary in the USA when US\$ 241, lower cost and covered to other settings: Germany: USD 21, Canada: USD 54, and Turkey: USD 61. (Wu/Quinn 179 and Sweden: USD 196). These differences result from cost of medical evaluation and treatment using different drugs. A proper systematic review of these cost is not available.
RESOURCES	Is the incremental cost (or resource use) small relative to the benefits? No: Feasible Yes <input type="checkbox"/> Moderate <input type="checkbox"/> Probably Yes <input type="checkbox"/> Not feasible <input type="checkbox"/>		The costs of interventions and stone hypernatraemia is USD 6763 in the USA (Lujan, Urology 2005; 33: 222). Thus, the cost of prevention appears much lower than that of treatment due to recurrence. Since the effective dietary interventions seem to have a large effect, the costs would be low.
EQUITY	What happens to health inequalities? Increases <input type="checkbox"/> Probably increases <input type="checkbox"/> Unclear <input type="checkbox"/> Probably reduces <input type="checkbox"/> Reduces <input type="checkbox"/> Varies <input type="checkbox"/>	No evidence was identified addressing this domain.	It is likely that this intervention has no impact on inequalities but it is uncertain.
ACCEPTABILITY	Is the option acceptable to key stakeholders? No: Probably Not <input type="checkbox"/> Desirable <input type="checkbox"/> Probably Yes <input type="checkbox"/> Yes <input type="checkbox"/> <input type="checkbox"/>	Dietary interventions are non-invasive and easy to administer. Some of the treatments that seem to be effective may potentially have a high compliance, however, all of them have high acceptability. Sustainability of the intervention (i.e. adherence) is uncertain.	
FEASIBILITY	Is the option feasible to implement? No: Feasible Yes <input type="checkbox"/> Unclear <input type="checkbox"/> Probably Yes <input type="checkbox"/> Yes <input type="checkbox"/> <input type="checkbox"/>	No evidence was identified addressing this domain.	Some of the effective options are very feasible to implement than the others (for example, increase fluid intake seems to be more feasible to implement than calcium diet), however, all of them are feasible.

Recommendation		Should ACP recommend any dietary intervention for preventing kidney stone recurrence?	
Overall balance of consequences	Desirable consequences clearly outweigh undesirable consequences	Uncertain balance of consequences probably outweigh desirable consequences	The balance between desirable and undesirable consequences indicates they are very similar*
	We recommend against the option or for the alternative	We suggest not to use the option or to use the alternative	No recommendation
			We suggest using the option
			We recommend the option

GRADE Evidence to Decision Frameworks

DOT **GRADE** Copy Breast Cancer Screening [CTFPHS] ⚙️ 📊 🗑️ 📄 🖨️ 🔍

▼ Should Screening vs. Control be used for identifying breast cancer in patients? ➤ Explanations 🗨️ Help 🗄️ 🔄 🏠

TASKS

TEAM

SCOPE

DOCUMENT SECTIONS

COMPARISONS

OUTCOMES

SEARCHING

SCREENING

DATA EXTRACTION

RISK OF BIAS

ANALYSES

EVIDENCE TABLE

RECOMMENDATIONS

DOCUMENT REVIEW

	CRITERIA	JUDGEMENTS	RESEARCH EVIDENCE	ADDITIONAL CONSIDERATIONS																								
PROBLEM	Is there a problem priority?	<input type="radio"/> No <input type="radio"/> Probably no <input type="radio"/> Uncertain <input type="radio"/> Probably yes <input type="radio"/> Yes <input type="radio"/> Varies																										
	What is the overall certainty of this evidence?	<input type="radio"/> No included studies <input type="radio"/> Very low <input type="radio"/> Low <input type="radio"/> Moderate <input type="radio"/> High	<p>The relative importance or values of the main outcomes of interest:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d9e1f2;"> <th style="width: 40%;">Outcome</th> <th style="width: 20%;">Relative importance</th> <th style="width: 40%;">Certainty of the evidence (GRADE)</th> </tr> </thead> <tbody> <tr> <td>Breast Cancer Mortality for Screening Intervals ≥ 24 Months for All Ages</td> <td>CRITICAL</td> <td style="text-align: center;">⊕⊕○○ LOW</td> </tr> <tr> <td>Breast Cancer Mortality for Screening Intervals ≥ 24 Months for Ages 70-74</td> <td>CRITICAL</td> <td style="text-align: center;">⊕⊕○○ LOW</td> </tr> <tr> <td>Breast Cancer Mortality for Screening Intervals < 24 Months for All Ages</td> <td>CRITICAL</td> <td style="text-align: center;">⊕⊕⊕⊕ HIGH</td> </tr> <tr> <td>Breast Cancer Mortality for Screening Intervals ≥ 24 Months for Ages 39-49</td> <td>CRITICAL</td> <td style="text-align: center;">⊕⊕○○ LOW</td> </tr> <tr> <td>Breast Cancer Mortality for Screening Intervals ≥ 24 Months for Ages 50-69</td> <td>CRITICAL</td> <td style="text-align: center;">⊕⊕⊕○ MODERATE</td> </tr> <tr> <td>Breast Cancer Mortality for Screening Intervals < 24 Months for Ages 50-69</td> <td>CRITICAL</td> <td style="text-align: center;">⊕⊕⊕⊕ HIGH</td> </tr> <tr> <td>Breast Cancer Mortality for Screening Intervals < 24 Months for Ages 39-49</td> <td>CRITICAL</td> <td style="text-align: center;">⊕⊕⊕⊕ HIGH</td> </tr> </tbody> </table>	Outcome	Relative importance	Certainty of the evidence (GRADE)	Breast Cancer Mortality for Screening Intervals ≥ 24 Months for All Ages	CRITICAL	⊕⊕○○ LOW	Breast Cancer Mortality for Screening Intervals ≥ 24 Months for Ages 70-74	CRITICAL	⊕⊕○○ LOW	Breast Cancer Mortality for Screening Intervals < 24 Months for All Ages	CRITICAL	⊕⊕⊕⊕ HIGH	Breast Cancer Mortality for Screening Intervals ≥ 24 Months for Ages 39-49	CRITICAL	⊕⊕○○ LOW	Breast Cancer Mortality for Screening Intervals ≥ 24 Months for Ages 50-69	CRITICAL	⊕⊕⊕○ MODERATE	Breast Cancer Mortality for Screening Intervals < 24 Months for Ages 50-69	CRITICAL	⊕⊕⊕⊕ HIGH	Breast Cancer Mortality for Screening Intervals < 24 Months for Ages 39-49	CRITICAL	⊕⊕⊕⊕ HIGH	
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	Is there important uncertainty about how much people value the main outcomes?	<input type="radio"/> Important uncertainty or variability <input type="radio"/> Possibly important uncertainty or variability <input type="radio"/> Probably no important uncertainty of variability <input type="radio"/> No important uncertainty of variability <input type="radio"/> No known undesirable	<p>Summary of findings: Control</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d9e1f2;"> <th style="width: 30%;">Outcome</th> <th style="width: 10%;">Without Screening</th> <th style="width: 10%;">With Screening</th> <th style="width: 15%;">Difference (95% CI)</th> <th style="width: 35%;">Relative effect (RR) (95% CI)</th> </tr> </thead> <tbody> <tr> <td>Breast Cancer Mortality for Screening Intervals ≥ 24 Months for All Ages</td> <td>4 per 1000</td> <td>3 per 1000 (3 to 5)</td> <td>1018 fewer per 1000 (from 1886 fewer to 145 more)</td> <td>RR 0.7715 (0.5765 to 1.0326)</td> </tr> </tbody> </table>	Outcome	Without Screening	With Screening	Difference (95% CI)	Relative effect (RR) (95% CI)	Breast Cancer Mortality for Screening Intervals ≥ 24 Months for All Ages	4 per 1000	3 per 1000 (3 to 5)	1018 fewer per 1000 (from 1886 fewer to 145 more)	RR 0.7715 (0.5765 to 1.0326)															
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The Final Product

Key questions

1. Should home treatment vs. hospital treatment be used for patients with acute DVT of the leg?
2. Should early discharge vs. standard discharge be used for patients with acute PE?
3. Should heparin vs no heparin be used in outpatients with cancer who have no other therapeutic or prophylactic indication for anticoagulation?
4. Should oral anticoagulation vs no oral anticoagulation be used in outpatients with cancer who have no other therapeutic or prophylactic indication for anticoagulation?
5. Should parenteral anticoagulation vs no anticoagulation be used in patients with cancer and central venous catheters?
6. Should oral anticoagulation vs no anticoagulation be used in patients with cancer and central venous catheters?



Recommendation 1:

For patients with simple acute DVT of the leg, the Saudi Expert Panel suggests home treatment over hospital treatment (conditional recommendation; moderate quality evidence)

Remarks:

- Ensure that patients have support from family, access to a phone, access to a physician, and the ability to get to a hospital in a reasonable time if needed
- Consider patient level of education, knowledge about the disease, and likelihood of compliance
- Consider hospital treatment for patients with severe acute DVT of the leg and patients who are apprehensive
- This recommendation applies to anticoagulation treatment with LMWH but not NOACs

Breast cancer screening

CMAJ

GUIDELINES

Recommendations on screening for breast cancer in average-risk women aged 40–74 years

The Canadian Task Force on Preventive Health Care

See related commentary by Gøtzsche on page 1957 and at www.cmaj.ca/lookup/doi/10.1503/cmaj.111721

Women aged 40–49 years

*For women 40–49 years of age, we recommend **not routinely screening for breast cancer** with mammography. (Weak recommendation; moderate-quality evidence.)*

Recommendations

Recommendation 1:

The Saudi Expert Panel suggests screening with mammography in women aged 40–49 years every 1 to 2 years. (Conditional recommendation; low-quality evidence)

Clinical Practice Guideline
on the Use of Screening Strategies
for the Detection of Breast Cancer

Remarks:

Based on local cancer registry data, the incidence of breast cancer in the KSA seems to be higher than in the other countries in which studies were conducted. This fact may indicate that higher benefit on breast cancer mortality justifies a recommendation in favor of implementing breast cancer screening using mammography in this age group. Since the guideline panel determined that there is a close balance between desirable and undesirable consequences, they also suggest implementing shared-decision making strategies as a way to incorporate actively patients' perspective into the decision.

Reason

Different baseline risk in Saudi Arabia



Multi vessel vs single vessel intervention for myocardial infarction (not recommended)

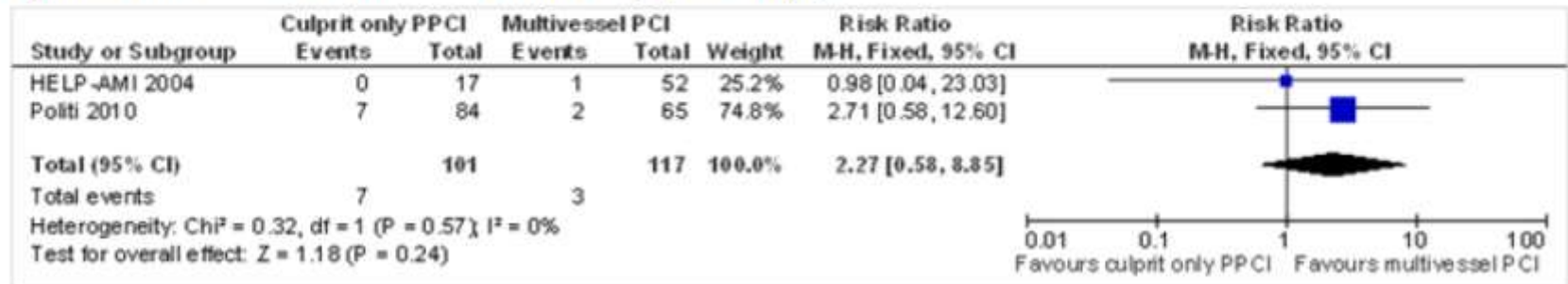
National Clinical Guideline Centre

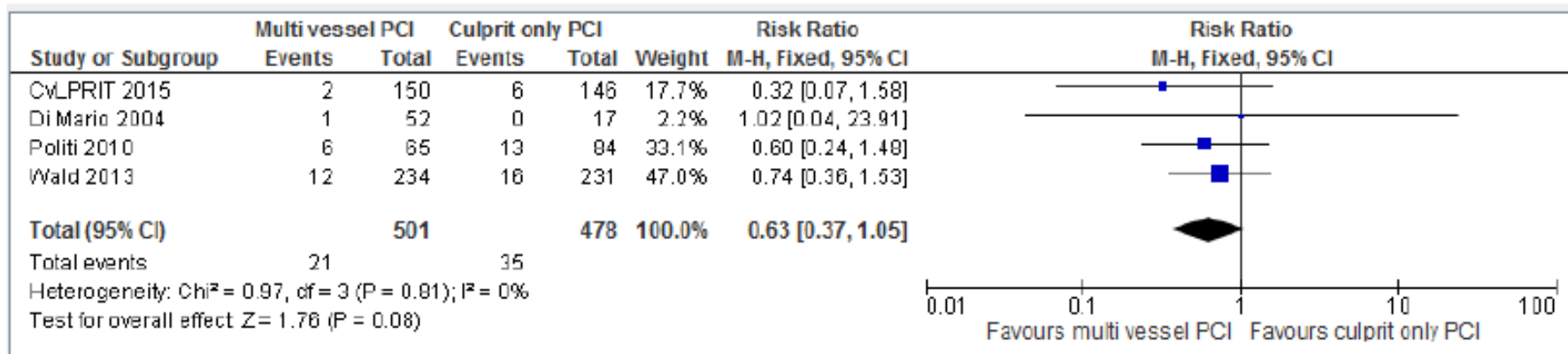


1.5 Culprit versus complete revascularisation

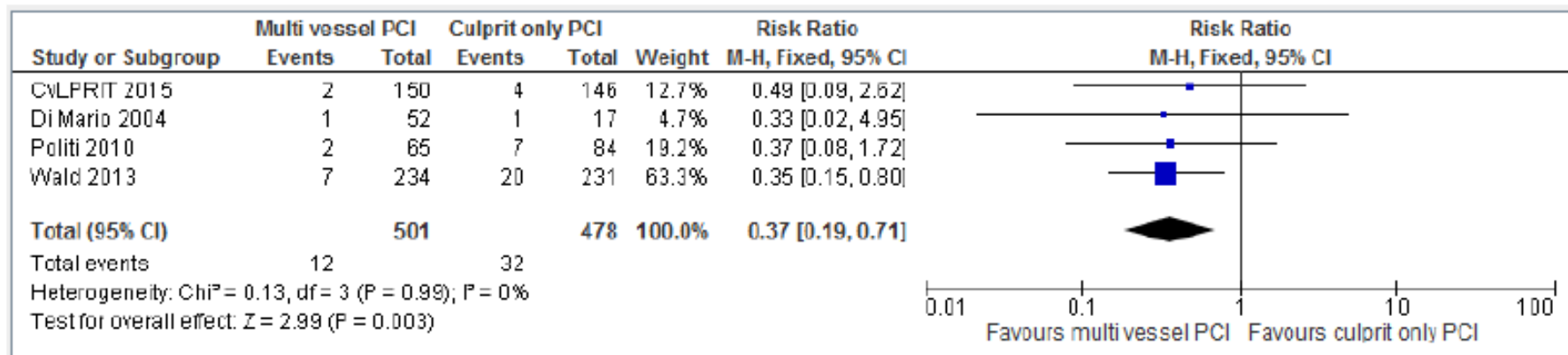
1.5.1 Culprit-only PPCI versus immediate **multivessel** PCI

Figure 180: RCTs: all-cause mortality (≤ 30 days)





Mortality-long term



Reinfarction

Recommendation:

Two small trials vs four trials

~200 vs 1000 patients



Evidence Profile: Multi-vessel PPCI compared to culprit only PPCI in patients with STEMI and multi-vessel coronary artery disease undergoing PPCI

Author(s): Veena Manja & Wojtek Wiercioch

Date: 2014-12-15

No of studies	Study design	Quality assessment					Other considerations	No of patients		Effect		Quality	Importance
		Risk of bias	Inconsistency	Indirectness	Imprecision	multi-vessel PPCI		culprit only PPCI	Relative (95% CI)	Absolute (95% CI)			
Mortality - long term													
4	randomised trials	serious ¹	not serious	not serious	serious ²	none	21/501 (4.2%)	35/478 (7.3%)	RR 0.63 (0.37 to 1.05)	27 fewer per 1000 (from 4 more to 46 fewer)	⊕⊕○○ LOW	CRITICAL	
Reinfarction													
4	randomised trials	serious ¹	not serious	not serious	not serious	none	12/501 (2.4%)	32/478 (6.7%)	RR 0.37 (0.19 to 0.71)	42 fewer per 1000 (from 19 fewer to 54 fewer)	⊕⊕⊕○ MODERATE	CRITICAL	
Revascularization													
4	randomised trials	serious ¹	not serious	not serious	not serious	none	38/501 (7.6%)	92/478 (19.2%)	RR 0.37 (0.26 to 0.53)	121 fewer per 1000 (from 90 fewer to 142 fewer)	⊕⊕⊕○ MODERATE	CRITICAL	

Reason

Saudi Arabian panel more certain in decision/recommendation

- NEW EVIDENCE IDENTIFIED during our effort



Summary: Adolopment

Advantages

- Methodological team required
- Faster
- Less resources required
- Transparent consideration of factors beyond QoE (EtDs) with focus on local/regional setting
- Greater buy-in / better implementation
- Builds capacity
- Good fun

Challenges

- Methodological team required
- Solid guideline/SRs required as starting point
- Challenging if no comprehensive guideline available
- Challenging if existing SR restricted inclusion to RCTs or highly selected outcomes
- Panels need to commit to follow rigorous methodological approach and stick to timelines

Thank you:

Questions?

Discussion?





EtD Purpose

To help guideline panels (and decision makers) move from evidence to a recommendation or decision by:

- Inform judgements about the pros and cons of each option (intervention) that is considered
- Ensure that important factors that determine a decision (criteria) are considered
- Provide a concise summary of the best available research evidence to inform judgements about each criterion
- Help structure discussion and identify reasons for disagreements
- Make the basis for decisions transparent to target audiences

CRITERIA	JUDGEMENTS	RESEARCH EVIDENCE	ADDITIONAL CONSIDERATIONS
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Criteria on which a recommendation is based

Judgements that must be made in relation to each criterion

Research evidence to inform each judgement

Additional considerations that inform or explain each judgement



Support tools for GRADE guidelines?

CMAJ

RESEARCH

Guidelines 2.0: systematic development of a comprehensive checklist for a successful guideline enterprise

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ABSTRACT

Background: Although several tools to evaluate the credibility of health care guidelines exist, guidance on practical steps for developing guidelines is lacking. We systematically compiled a comprehensive checklist of items linked to relevant resources and tools that guideline developers could consider, without the expectation that every guideline would address each item.

Methods: We searched data sources, including manuals of international guideline developers, literature on guidelines for guidelines (with a focus on methodology reports from international and national agencies, and professional societies) and recent articles providing systematic guidance. We reviewed these sources in duplicate, extracted items for the checklist using a sensitive approach and developed overarching topics relevant to guidelines. In an iterative

process, we consulted guideline developers, omissions and involved experts in guideline development for revisions and suggestions for items to be added.

Results: We developed a checklist with 18 topics and 146 items and a webpage to facilitate its use by guideline developers. The topics and included items cover all stages of the guideline enterprise, from the planning and formulation of guidelines, to their implementation and evaluation. The final checklist includes links to training materials as well as resources with suggested methodology for applying the items.

Interpretation: The checklist will serve as a resource for guideline developers. Consideration of items on the checklist will support the development, implementation and evaluation of guidelines. We will use crowdsourcing to

Competing interests: None declared. Authors of this manuscript have been involved in the development of various guideline manuals which are referenced in this article.

This article has been peer reviewed.

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Main limitation

Time

- May through December 2014

Focus this project on **updating** existing, highly credible systematic reviews and provide other information, rather than completely **de novo** development of guidelines



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The tools for health care decisions

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Guideline Development Tool is an easy to use all-in-one web solution for summarizing and presenting information for healthcare decision making. It supports creating concise summary tables for systematic reviews and health technology assessments as well as facilitates development

Best for both worlds

Guideline developers and authors of systematic reviews

Anyone preparing a systematic review will benefit from a simple online solution that assists creating summaries of evidence. Anyone developing clinical guidelines or other recommendations in healthcare will also benefit from a tool that smoothen the way of following a systematic and