

An Evaluation Of Orthopaedic Clinical Practice Guidelines Using The Right Checklist



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INTRODUCTION

The Reporting Items for practice Guidelines in Healthcare (RIGHT) checklist was developed in 2016 to address the quality of reporting in the development of clinical practice guidelines (CPGs). Building on existing framework for reporting guideline development, including the work of the EQUATOR Network, the RIGHT Working Group created a checklist of items considered essential for high-quality reporting of CPGs. The RIGHT (Reporting Items for practice Guidelines in Healthcare) checklist focuses on essential components for well-reported CPGs. The development of this checklist was performed by a multidisciplinary team of experts from 12 countries. The RIGHT checklist consists of 22 items that cover multiple domains, which includes basic information, background, evidence, recommendations, review and quality assurance, funding declaration, and management of interests.

METHODS

Search strategies, eligibility criteria, and data abstraction were prespecified in the research protocol developed and piloted a priori. This study did not meet the regulatory definition of human subject research as defined in 45 CFR 46.102(d) and (f) of the Department of Health and Human Service Code of Federal Regulations and was not subject to Institutional Review Board oversight. Two of us searched the AAOS website for all 18 CPGs currently published in the field of orthopedic surgery. All CPGs were included; however, we did not include consensus statements or appropriate use criteria. Two of us independently abstracted and scored the CPGs using a piloted abstraction forms. Each score was verified by a second investigator. Disagreements were resolved by consensus between the pair. A third-party adjudication process was established in the protocol, but it was not needed.

Section/topic	No.	Item
Basic information		
Title/subtitle	1a	Identify the report as a guideline, that is, with "guideline(s)" or
	4.	"recommendation(s)" in the title.
	1b	Describe the year of publication of the guideline. Describe the focus of the guideline, such as screening, diagnosis,
	10	treatment, management, prevention or others.
Executive summary	2	Provide a summary of the recommendations contained in the
•		guideline.
Abbreviations and	3	Define new or key terms, and provide a list of abbreviations and
acronyms		acronyms if applicable.
Corresponding	4	Identify at least one corresponding developer or author who can be
developer		contacted about the guideline.
Background	T	
Brief description of the	5	Describe the basic epidemiology of the problem, such as the
health problem(s)		prevalence/incidence, morbidity, mortality, and burden (including
	3 200	financial) resulting from the problem.
Aim(s) of the	6	Describe the aim(s) of the guideline and specific objectives, such as
guideline and specific objectives		improvements in health indicators (e.g., mortality and disease prevalence), quality of life, or cost savings.
Target population(s)	7a	Describe the primary population(s) that is addressed by the
rarget population(s)	1.077.	recommendation(s) in the guideline.
	7b	Describe any subgroups that are given special consideration in the
		guideline.
End- users and	8a	Describe the intended primary users of the guideline (such as
settings		primary care providers, clinical specialists, public health
		practitioners, program managers, and policy-makers) and other
		potential users of the guideline.
	8b	Describe the setting(s) for which the guideline is intended, such as
		primary care, low- and middle-income countries, or in-patient
Cu:1-1'	0	facilities.
Guideline	9a	Describe how all contributors to the guideline development were
development groups		selected and their roles and responsibilities (e.g., steering group, guideline panel, external reviewer, systematic review team, and
		methodologists).
	9b	List all individuals involved in developing the guideline, including
	- entitle (their title, role(s) and institutional affiliation(s).
Evidence	1	
Healthcare questions	10a	State the key questions that were the basis for the recommendations
		in PICO (population, intervention, comparator, and outcome) or
		other format as appropriate.
	10b	Indicate how the outcomes were selected and sorted.
Systematic reviews	11a	Indicate whether the guideline is based on new systematic reviews
		done specifically for this guideline or whether existing systematic
		reviews were used.
	11b	If the guideline developers used existing systematic reviews,
		reference these and describe how those reviews were identified and
		assessed (provide the search strategies and the selection criteria, and
		describe how the risk of bias was evaluated) and whether they were
Assessment of the	12	updated. Describe the approach used to assess the certainty of the body of
certainty of the body	12	evidence.
of evidence		CVIdence.
Recommendations		
Recommendations	13a	Provide clear, precise, and actionable recommendations.
Potional o/oval anotion	13b	Present separate recommendations for important subgroups if the
		evidence suggests that there are important differences in factors
		influencing recommendations, particularly the balance of benefits
		and harms across subgroups.
	13c	Indicate the strength of recommendations and the certainty of the
		supporting evidence.
Rationale/explanation	14a	Describe whether values and preferences of the target population(s)
for recommendations		were considered in the formulation of each recommendation. If yes, describe the approaches and methods used to elicit or identify these
		values and preferences. If values and preferences were not
		considered, provide an explanation.
	14b	Describe whether cost and resource implications were considered in
		the formulation of recommendations. If yes, describe the specific
		approaches and methods used (such as cost-effectiveness analysis)
		and summarize the results. If resource issues were not considered,
		provide an explanation.
	14c	Describe other factors taken into consideration when formulating the recommendations, such as equity, feasibility and acceptability.
Evidence to decision	15	Describe the processes and approaches used by the guideline
processes		development group to make decisions, particularly the formulation
		of recommendations (such as how consensus was defined and
		achieved and whether voting was used).
Review and quality assi	urance	Constitution of the consti
External review	16	Indicate whether the draft guideline underwent independent review
		and, if so, how this was executed and the comments considered and
Ov-19		addressed.
Quality assurance	17	Indicate whether the guideline was subjected to a quality assurance process. If yes, describe the process.
Funding, declaration a	nd ma	
Funding source(s) and	18a	Describe the specific sources of funding for all stages of guideline
role(s) of the funder	e-17 17 18	development.
Tole(s) of the funder	18b	Describe the role of funder(s) in the different stages of guideline
		development and in the dissemination and implementation of the
		recommendations.
_	19a	Describe what types of conflicts (financial and non-financial) were
Declaration and		relevant to guideline development.
Declaration and management of		
	19b	Describe how conflicts of interest were evaluated and managed and
management of interest	19b	Describe how conflicts of interest were evaluated and managed and how users of the guideline can access the declarations.
management of interest Other information		how users of the guideline can access the declarations.
management of interest	19b	how users of the guideline can access the declarations. Describe where the guideline, its appendices, and other related
management of interest Other information Access	20	how users of the guideline can access the declarations. Describe where the guideline, its appendices, and other related documents can be accessed.
management of interest Other information		how users of the guideline can access the declarations. Describe where the guideline, its appendices, and other related
management of interest Other information Access Suggestions for	20	how users of the guideline can access the declarations. Describe where the guideline, its appendices, and other related documents can be accessed. Describe the gaps in the evidence and/or provide suggestions for

as the development groups were not multidisciplinary or patient

values and preferences were not sought), and indicate how these

limitations might have affected the validity of the recommendation



RESULTS

We retrieved all 18 guidelines, and all guidelines were eligible for evaluation by the RIGHT checklist. Of the 35 criteria, 23 (65.7%) were met across all AAOS guidelines. Of the 35 criteria, 6 (17.1%) were not met by any of the AAOS guidelines (Figure 1, Table 1). These include item 5, which recommends that the specific aims of the guideline be described; item 8b, which recommends that the setting that each guideline is intended for be described; item 9a, which recommends a detailed accounting of how each guideline member was selected as well as their role and responsibilities; item 14a, which recommends that a description of whether consideration was given to the values and preferences of the target population; item 18b, which recommends that the role of the funding sources of the guideline be described (the AAOS guidelines state the source of funding but not the role of the funding source); and item 22, which recommends that the limitations in the guideline development process be described.

CONCLUSION

Overall, the AAOS guidelines addressed many important recommendations within the RIGHT checklist. Providing clear and precise recommendations within the guideline will assist end-users in more efficiently implementing the guidelines in practice. Through the identification of the strengths and weaknesses in current guidelines, future guidelines can be more effectively implemented and more easily communicated to end-users. These factors will lead to greater adherence, ultimately leading to more evidence-based care in orthopaedic surgery.