CJASN
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Adapted CHEERS checklist for economic evaluation of health interventions

Manuscript ID:

Section/Topic	Checklist Item	Response
Title/Subtitle	Study identified as an economic evaluation and describes the interventions compared	
Background and objectives	Provides an explicit statement of the broader context for the study explicitly presenting the study question and its relevance for health policy or practice decisions	
Target Population and Sub-groups	Describes the characteristics of the base case population and sub-groups analyzed, including why they were chosen	
Setting and Location	States relevant aspects of the system(s) in which the decision(s) need(s) to be made	
Study Perspective	Describes the perspective of the study and relates this to the costs being evaluated	
Comparators	Describes the interventions or strategies compared and states why they were chosen	
Time Horizon	States the time horizon(s) over which costs and consequences are being evaluated	
Discount Rate	Reports the choice of discount rate(s) used for costs and outcomes and says why appropriate.	
Choice of Health Outcomes	Describes what outcomes were used as the measure(s) of benefit in the evaluation and their relevance for the type of analysis performed	
Measure of Effectiveness	*Single study-based estimates:* Describes fully the design features of the single effectiveness study, and why the single study was a sufficient source of clinical effectiveness data	
	Synthesis-based estimates: Describes fully the methods used for identification of included studies and synthesis of clinical effectiveness data	
Measurement and valuation of preference based outcomes	Describes the population and methods used to elicit preferences for outcomes	
Estimating resources and costs	*Single study-based economic evaluation:* Describes approaches used to estimate resource use associated with the alternative Interventions, primary or secondary research methods for valuing each resource item in terms of its unit cost, and any adjustments made to approximate to opportunity costs	
	Model-based economic evaluation: Describes approaches and data sources used to estimate resource use associated with model health states. Describes primary or secondary research methods for valuing each resource item in terms of its unit cost and any adjustments made to approximate to opportunity costs	
Currency, price date, and conversion	Reports the dates of the estimated resource quantities and unit costs, methods for adjusting estimated unit costs to the year of reported costs if necessary, and methods for converting costs into a common currency base and the exchange rate	
Choice of model	Describes and gives reasons for the specific type of decision analytical model used	
Assumptions	Describes all structural or other assumptions underpinning the decision-analytical model	
Analytical methods	Describes all analytical methods supporting the evaluation. This could include methods for dealing with skewed, missing, or censored data; extrapolation methods; methods for pooling data; approaches to validate or make adjustments (such as half cycle corrections) to a model; and methods for handling population heterogeneity and uncertainty	
Study parameters	Reports the values, ranges, references, and, if used, probability distributions for all parameters, reasons or sources for distributions used to represent uncertainty where appropriate.	
Incremental costs and outcomes	For each intervention, reports mean values for the main categories of estimated costs and outcomes of interest, as well as mean differences between the comparator groups. If applicable, reports incremental cost-effectiveness ratios.	
Characterizing uncertainty	*Single study-based economic evaluation:* Describes the effects of sampling uncertainty for the estimated incremental cost and incremental effectiveness parameters, together with the impact	
	Model-based economic evaluation: Describes the effects on the results of uncertainty for all input parameters, and uncertainty related to the structure of the model and assumptions	
Characterizing heterogeneity	If applicable, reports differences in costs, outcomes, or cost-effectiveness that can be explained by variations between subgroups of patients with different baseline characteristics or other observed variability in effects that are not reducible by more information	
Discussion	Summarizes the key findings and describes how they support the conclusions reached	
	Discusses the limitations and the generalizability of the findings and how they fit with current knowledge	

Source: Husereau D, Drummond M, Petrou S, Carswell C, Moher D, Greenberg D, Augustovski F, Briggs AH, Mauskopf J, Loder E. Consolidated Health Economic Evaluation Reporting Standards (CHEERS) statement. BMJ 2013; 346: f1049

*This checklist has been adapted by CJASN and JASN for author and editor usage.   *December 2017*