

Supplementary Material Table S1: CHEERS Checklist

Item	Recommendation	Page number
Title	Identify the study as an economic evaluation or use more specific terms such as “cost-effectiveness analysis”, and describe the interventions compared.	1
Abstract	Provide a structured summary of objectives, perspective, setting, methods (including study design and inputs), results (including base case and uncertainty analyses), and conclusions	2
Introduction		
Background and objectives	Provide an explicit statement of the broader context for the study. Present the study question and its relevance for health policy or practice decisions.	4
Methods		
Target population	Describe characteristics of the base case population and subgroups analysed, including why they were chosen	5
Setting and location	State relevant aspects of the system(s) in which the decision(s) need(s) to be made.	6
Study perspective	Describe the perspective of the study and relate this to the costs being evaluated.	5,6
Comparators	Describe the interventions or strategies being compared and state why they were chosen.	6
Time horizon	State the time horizon(s) over which costs and consequences are being evaluated and say why appropriate	5
Discount rate	Report the choice of discount rate(s) used for costs and outcomes and say why appropriate	9,10
Choice of health outcomes	Describe what outcomes were used as the measure(s) of benefit in the evaluation and their relevance for the type of analysis performed	7,8
Measurement of effectiveness	Describe fully the design features of the single effectiveness study and why the single study was a sufficient source of clinical effectiveness data	8-11
Measurement and	If applicable, describe the population and methods used to elicit	n/a

valuation of preference based outcomes	preferences for outcomes.	
Estimating resources and costs	Describe approaches used to estimate resource use associated with the alternative interventions. Describe primary or secondary research methods for valuing each resource item in terms of its unit cost. Describe any adjustments made to approximate to opportunity	10
Currency, price, date and conversion	Report the dates of the estimated resource quantities and unit costs. Describe methods for adjusting estimated unit costs to the year of reported costs if necessary. Describe methods for converting costs into a common currency base and the exchange rate	10
Choice of model	Describe and give reasons for the specific type of decision-analytical model used. Providing a figure to show model structure is strongly recommended	9,10
Assumptions	Describe all structural or other assumptions underpinning the decision-analytical model	8,9
Analytical methods	Describe 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.	8,9
Results		
Study parameters	Report the values, ranges, references, and, if used, probability distributions for all parameters. Report reasons or sources for distributions used to represent uncertainty where appropriate. Providing a table to show the input values is strongly recommended	9-11
Incremental costs and outcomes	For each intervention, report mean values for the main categories of estimated costs and outcomes of interest, as well as mean differences between the comparator groups. If applicable, report incremental cost-effectiveness ratios.	12-13

Characterising uncertainty	Describe the effects of sampling uncertainty for the estimated incremental cost and incremental effectiveness parameters, together with the impact of methodological assumptions (such as discount rate, study perspective).	Tables 4,5
Characterising heterogeneity	If applicable, report 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	Tables 4,5
Discussion		
Study findings, limitations, generalisability, and current knowledge	Summarise key study findings and describe how they support the conclusions reached. Discuss limitations and the generalisability of the findings and how the findings fit with current knowledge	14
Source of funding	Describe how the study was funded and the role of the funder in the identification, design, conduct, and reporting of the analysis. Describe other non-monetary sources of support	16
Conflicts of interest	Describe any potential for conflict of interest of study contributors in accordance with journal policy. In the absence of a journal policy, we recommend authors comply with International Committee of Medical Journal Editors recommendations.	17