The CHEERS Checklist is part of the CHEERS Statement. The CHEERS Statement has been endorsed and co-published by the following journals:

BJOG: An International Journal of Obstetrics and Gynaecology
BMC Medicine 2013; 11:80
BMJ 2013;346:f1049
Clinical Therapeutics 27 March 2013 (Article in Press DOI: 10.1016/j.clinthera.2013.03.003)
International Journal of Technology Assessment in Health Care
Journal of Medical Economics 2013 Mar 25. [Epub ahead of print]
Pharmacoeconomics 2013 Mar 26. [Epub ahead of print]
Value in Health 2013 March - April;16(2):e1-e5

**CHEERS Checklist**

**Items to include when reporting economic evaluations of health interventions**

<table>
<thead>
<tr>
<th>Section/item</th>
<th>Item No</th>
<th>Recommendation</th>
<th>Reported on page No/line No</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Title and abstract</strong></td>
<td></td>
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</tr>
<tr>
<td>Title</td>
<td>1</td>
<td>Identify the study as an economic evaluation or use more specific terms such as “cost-effectiveness analysis”, and describe the interventions compared.</td>
<td></td>
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<tr>
<td>Abstract</td>
<td>2</td>
<td>Provide a structured summary of objectives, perspective, setting, methods (including study design and inputs), results (including base case and uncertainty analyses), and conclusions.</td>
<td></td>
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<tr>
<td><strong>Introduction</strong></td>
<td></td>
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<tr>
<td>Background and objectives</td>
<td>3</td>
<td>Provide an explicit statement of the broader context for the study.</td>
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<tr>
<td></td>
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<td>Present the study question and its relevance for health policy or practice decisions.</td>
<td></td>
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<tr>
<td><strong>Methods</strong></td>
<td></td>
<td></td>
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<tr>
<td>Target population and subgroups</td>
<td>4</td>
<td>Describe characteristics of the base case population and subgroups analysed, including why they were chosen.</td>
<td></td>
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<tr>
<td>Setting and location</td>
<td>5</td>
<td>State relevant aspects of the system(s) in which the decision(s) need(s) to be made.</td>
<td></td>
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<tr>
<td>Study perspective</td>
<td>6</td>
<td>Describe the perspective of the study and relate this to the costs being evaluated.</td>
<td></td>
</tr>
<tr>
<td>Comparators</td>
<td>7</td>
<td>Describe the interventions or strategies being compared and state why they were chosen.</td>
<td></td>
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<tr>
<td>Time horizon</td>
<td>8</td>
<td>State the time horizon(s) over which costs and consequences are being evaluated and say why appropriate.</td>
<td></td>
</tr>
<tr>
<td>Discount rate</td>
<td>9</td>
<td>Report the choice of discount rate(s) used for costs and</td>
<td></td>
</tr>
</tbody>
</table>
Choice of health outcomes 10 Describe what outcomes were used as the measure(s) of benefit in the evaluation and their relevance for the type of analysis performed.

Measurement of effectiveness 11a *Single study-based estimates:* Describe fully the design features of the single effectiveness study and why the single study was a sufficient source of clinical effectiveness data.

11b *Synthesis-based estimates:* Describe fully the methods used for identification of included studies and synthesis of clinical effectiveness data.

Measurement and valuation of preference based outcomes 12 If applicable, describe the population and methods used to elicit preferences for outcomes.

Estimating resources and costs 13a *Single study-based economic evaluation:* 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 costs.

13b *Model-based economic evaluation:* Describe approaches and data sources used to estimate resource use associated with model health states. 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 costs.

Currency, price date, and conversion 14 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.

Choice of model 15 Describe and give reasons for the specific type of decision-analytical model used. Providing a figure to show model structure is strongly recommended.

Assumptions 16 Describe all structural or other assumptions underpinning the decision-analytical model.

Analytical methods 17 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.

Results 18 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.
Consolidated Health Economic Evaluation Reporting Standards – CHEERS Checklist

Incremental costs and outcomes  

19 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.

Characterising uncertainty  

20a *Single study-based economic evaluation:* 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).

20b *Model-based economic evaluation:* Describe the effects on the results of uncertainty for all input parameters, and uncertainty related to the structure of the model and assumptions.

Characterising heterogeneity  

21 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.

Discussion  

22 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.

Other  

Source of funding  

23 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.

Conflicts of interest  

24 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.

For consistency, the CHEERS Statement checklist format is based on the format of the CONSORT statement checklist.

The CHEERS Statement may be accessed by the publication links above.

The ISPOR CHEERS Task Force Report provides examples and further discussion of the 24-item CHEERS Checklist and the CHEERS Statement. It may be accessed via the *Value in Health* link or via the ISPOR Health Economic Evaluation Publication Guidelines – CHEERS: Good Reporting Practices webpage: [http://www.ispor.org/TaskForces/EconomicPubGuidelines.asp](http://www.ispor.org/TaskForces/EconomicPubGuidelines.asp)