

COMET Handbook V1.0 Updates

Reference	Description
Kirkham JJ, Davis K, Altman DG, Blazeby JM, Clarke M, Tunis S, et al. Core Outcome Set-STAndards for Development: The COS-STAD recommendations. PLoS Med. 2017;14(11):e1002447. Link	The Core Outcome Set-STAndards for Development (COS-STAD) identifies minimum standards for the design of a COS study.
Kirkham JJ, Gorst S, Altman DG, Blazeby JM, Clarke M, Tunis S, et al. Core Outcome Set-STAndardised Protocol Items: the COS-STAP Statement. Trials. 2019;20(1):116. Link	The Core Outcome Set-STAndardised Protocol Items (COS-STAP) Statement consists of a checklist of items considered essential in a COS protocol.
Kirkham JJ, Gorst S, Altman DG, Blazeby JM, Clarke M, Devane D, et al. Core Outcome Set-STAndards for Reporting: The COS-STAR Statement. PLoS Med. 2016;13(10):e1002148. Link	The Core Outcome Set-STAndards for Reporting (COS-STAR) provides guidance for the final reporting of COS development studies.
Dodd S, Clarke M, Becker L, Mavergames C, Fish R, Williamson PR. A taxonomy has been developed for outcomes in medical research to help improve knowledge discovery. J Clin Epidemiol. 2018;96:84-92. Link	A new taxonomy for outcome classification.
Gargon E, Crew R, Burnside G, Williamson PR. Higher number of items associated with significantly lower response rates in COS Delphi surveys. J Clin Epidemiol. 2018. Link	COS developers should pay attention to methods when designing a COS development study; in particular, the size of the panels and the size of the list of outcomes.
MacLennan S, Kirkham J, Lam TBL, Williamson PR. A randomized trial comparing three Delphi feedback strategies found no evidence of a difference in a setting with high initial agreement. J Clin Epidemiol. 2018;93:1-8. Link	A nested study to explore the impact of different feedback strategies on subsequent agreement and variability in Delphi studies.
Brookes ST, Chalmers KA, Avery KNL, Coulman K, Blazeby JM. Impact of question order on prioritisation of outcomes in the development of a core outcome set: a randomised controlled trial. Trials. 2018;19(1):66. Link	In the development of a COS, participants' ratings of potential outcomes within a Delphi survey depend on the context (order) in which the outcomes are asked, consequently impacting on the final COS.
Gargon E, Williamson PR, Young B. Improving core outcome set development: qualitative interviews with developers provided pointers to inform guidance. J Clin Epidemiol. 2017;86:140-52. Link	Semi structured, audio-recorded interviews with a sample of 32 COS developers. The findings raise important questions about the funding, status, and process of COS development and indicate ways that it could be strengthened.
Young AE, Brookes ST, Avery KNL, Davies A, Metcalfe C, Blazeby JM. A systematic review of core outcome set development studies demonstrates difficulties in defining unique outcomes. J Clin Epidemiol. 2019;115:14-24. Link	This review identified inconsistencies in how authors define, extract, group, and count trial outcomes.
Hughes KL, Kirkham JJ, Clarke M, Williamson PR. Assessing the impact of a research funder's recommendation to consider core outcome sets. PLoS One. 2019;14(9):e0222418. Link	The aim was to assess the extent to which applicants followed the National Institute for Health Research Health Technology Assessment (NIHR HTA) programme's recommendation to search for a COS to include in their clinical trial.

<p>Biggane AM, Williamson PR, Ravaud P, Young B. Participating in core outcome set development via Delphi surveys: qualitative interviews provide pointers to inform guidance. <i>BMJ open</i>. 2019;9(11):e032338. Link</p>	<p>This study identifies important information that should be communicated to COS Delphi study participants. It also indicates the importance of communicating about COS Delphi studies in ways that are accessible and salient to participants.</p>
<p>Tong A, Crowe S, Gill JS, Harris T, Hemmelgarn BR, Manns B, et al. Clinicians' and researchers' perspectives on establishing and implementing core outcomes in haemodialysis: semistructured interview study. <i>BMJ open</i>. 2018;8(4):e021198. Link</p>	<p>Interviews to describe the perspectives of clinicians and researchers on identifying, establishing and implementing core outcomes in haemodialysis and their expected impact.</p>
<p>Tong A, Manns B, Wang AYM, Hemmelgarn B, Wheeler DC, Gill J, et al. Implementing core outcomes in kidney disease: report of the Standardized Outcomes in Nephrology (SONG) implementation workshop. <i>Kidney international</i>. 2018;94(6):1053-68. Link</p>	<p>A SONG Implementation Workshop to discuss the implementation of core outcomes resulting in implementation strategies and pathways to be established through partnership with stakeholders.</p>
<p>Akinremi A, Turnbull AE, Chessare CM, Bingham CO, 3rd, Needham DM, Dinglas VD. Delphi panelists for a core outcome set project suggested both new and existing dissemination strategies that were feasibly implemented by a research infrastructure project. <i>J Clin Epidemiol</i>. 2019;114:104-7. Link</p>	<p>A case study on dissemination of a COS. Respondents generated a variety of suggestions for dissemination of the ImproveLTO COS, which both aligned closely with existing guideline recommendations, and included unique suggestions.</p>
<p>Tunis SR, Maxwell LJ, Graham ID, Shea BJ, Beaton DE, Bingham CO, 3rd, et al. Engaging Stakeholders and Promoting Uptake of OMERACT Core Outcome Instrument Sets. <i>J Rheumatol</i>. 2017;44(10):1551-9. Link</p>	<p>Propose and discuss recommendations for the OMERACT community to (1) strengthen stakeholder involvement in the core outcome instrument set development process, and (2) promote uptake of core outcome sets with a specific focus on the potential role of post-regulatory decision makers.</p>
<p>Turnbull AE, Dinglas VD, Friedman LA, Chessare CM, Sepúlveda KA, Bingham CO, et al. A survey of Delphi panelists after core outcome set development revealed positive feedback and methods to facilitate panel member participation. <i>J Clin Epidemiol</i>. 2018;102:99-106. Link</p>	<p>This international Delphi panel, including favorably reported on feasibility of the methodology. Providing all panelists pertinent information/reminders about the project's objective at each voting round is important to informed decision making across all stakeholder groups.</p>