

This is a repository copy of *Identifying the need for good practices in Health Technology Assessment:summary of the ISPOR HTA Council Working Group Report on Good Practices in HTA*.

White Rose Research Online URL for this paper:

<https://eprints.whiterose.ac.uk/142410/>

Version: Accepted Version

Article:

Kristensen, F. B., Husereau, D., Huic, M. et al. (14 more authors) (2019) Identifying the need for good practices in Health Technology Assessment:summary of the ISPOR HTA Council Working Group Report on Good Practices in HTA. *Value in Health*. pp. 13-20. ISSN 1524-4733

<https://doi.org/10.1016/j.jval.2018.08.010>

Reuse

Items deposited in White Rose Research Online are protected by copyright, with all rights reserved unless indicated otherwise. They may be downloaded and/or printed for private study, or other acts as permitted by national copyright laws. The publisher or other rights holders may allow further reproduction and re-use of the full text version. This is indicated by the licence information on the White Rose Research Online record for the item.

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.

Identifying the Need for Good Practices in Health Technology Assessment: Summary of the ISPOR HTA Council Working Group Report on Good Practices in HTA

Finn Børllum Kristensen, MD, PhD 1, Don Husereau, MSc, BScPharm 2,3,* , Mirjana Hui_c, MD, PhD 4, Michael Drummond, DPhil, MCom, BSc 5, Marc L. Berger, MD 6, Kenneth Bond, MA 7, Federico Augustovski, MD, MS, PhD 8, Andrew Booth, PhD 9, John F.P. Bridges, PhD 10, Jeremy Grimshaw, MBChB, PhD, FRCGP 11, Maarten J. IJzerman, PhD 12,13, Egon Jonsson, PhD 14, Daniel A. Ollendorf, PhD 15, Alric Ru" ther, Dr. med. 16, Uwe Siebert, MD, MPH, MSc, ScD 3,17,18, Jitendar Sharma, PhD 19, Allan Wailoo, PhD, MSc, MA 9,20

1Faculty of Health Sciences, University of Southern Denmark, Odense, Denmark; 2School of Epidemiology, Public Health and Preventive Medicine, University of Ottawa, Ottawa, ON, Canada; 3Department of Public Health, Health Services Research and Health Technology Assessment, UMIT - University of Health Sciences, Medical Informatics and Technology, Hall in Tirol, Austria; 4Agency for Quality and Accreditation in Health Care and Social Welfare, Zagreb, Croatia; 5University of York, York, UK; 6New York, NY, USA; 7Patient Engagement, Ethics and International Affairs, Canadian Agency for Drugs and Technologies in Health (CADTH), Ottawa, ON, Canada; 8Economic Evaluations and HTA Department, Institute for Clinical Effectiveness and Health Policy (IECS), Buenos Aires, Argentina; 9ScHARR, The University of Sheffield, Sheffield, UK; 10Department of Biomedical Informatics, The Ohio State University College of Medicine, Columbus, OH, USA; 11Cochrane Canada and Professor of Medicine, University of Ottawa, Ottawa, ON, Canada; 12School of Population and Global Health, University of Melbourne, Melbourne, Australia; 13Department of Health Technology & Services Research, University of Twente, Enschede, The Netherlands; 14Institute of Health Economics, Edmonton, AB, Canada; 15Center for the Evaluation of Value and Risk in Health (CEVR), Tufts University, Boston, MA, USA; 16International Affairs, Institute for Quality and Efficiency in Health Care (IQWiG), Cologne, Germany; 17Division of Health Technology Assessment, ONCOTYROL - Center for Personalized Cancer Medicine, Innsbruck, Austria; 18Institute for Technology Assessment, Department of Radiology, Massachusetts General Hospital, Harvard Medical School, and Department of Health Policy and Management, Harvard T.H. Chan School of Public Health, Boston, MA, USA; 19AP MedTech Zone & Advisor (Health), Department of Health & Family Welfare, Andhra Pradesh, India; 20NICE Decision Support Unit, Sheffield, UK

ABSTRACT

The systematic use of evidence to inform healthcare decisions, particularly health technology assessment (HTA), has gained increased recognition. HTA has become a standard policy tool for informing decision makers who must manage the entry and use of pharmaceuticals, medical devices, and other technologies (including complex interventions) within health systems, eg, through reimbursement and pricing. Despite increasing attention to HTA activities, there has been no attempt to comprehensively synthesize good practices or emerging good practices to support population-based decision making in recent years. Following the identification of some good practices through the release of the ISPOR Guidelines Index in 2013, the ISPOR HTA Council identified a need to more thoroughly review existing guidance. The purpose of this effort was to build a basis for capacity building, education, and improved consistency in approaches to HTA-informed decision making. Our findings suggest that although many good practices have been developed in areas of assessment and some other key aspects of defining HTA processes, there are also many areas where good practices are lacking. This includes good practices in defining the organizational aspects of HTA, the use of deliberative processes, and measuring the impact of HTA. The extent to which these good practices are used and applied by HTA bodies is beyond the scope of this report, but may be of interest to future researchers.

Three Learning Points

- There are many good practices related to the conduct of HTA, particularly surrounding the identification, synthesis, and interpretation of individual studies or bodies of evidence.
- There are few widely recognized good practices that address the organizational aspects of HTA, use of deliberative processes, or measuring the impact of HTA. This speaks to the need for development in these areas.
- The extent to which these good practices are used and applied by HTA bodies is beyond the scope of this report, but may be of interest to future researchers.

TEXT

Introduction

Health technology assessment (HTA) has become a standard policy tool for informing decision makers who must manage the entry and use of pharmaceuticals, medical devices, and other technologies (including complex interventions) within health systems, eg, through reimbursement and pricing. Despite increasing HTA activity, there has been no attempt to comprehensively synthesize good practices or emerging good practices to support population-based decision making in recent years.

The purpose of the ISPOR HTA Council Working Group was to provide an up-to-date review of current literature which includes guidance on good practices in the use of evidence to inform population-based healthcare decision making for pharmaceuticals (drugs and vaccines), medical devices, and other health technologies, that is HTA. Population-based decisions are those linked to management, administration, and other forms of health system governance and stewardship. The use of evidence to inform individual decisions between patients and clinicians is outside of the scope of this review, however the Working Group recognizes that HTA may be used to broadly inform clinical practice decisions through clinical practice guidelines or clinical pathway development and thus have not excluded these from the scope of the paper.

The rationale for identifying good HTA practices in using evidence to inform population-based healthcare decision making is to provide a basis for capacity building, education, and improved consistency in approaches to HTA-informed decision making. The primary audiences for this report are those who manage, design, or seek to improve HTA processes, although we hope it is informative to a wider audience of patients, care providers, payers, academics, and industry stakeholders.

Given the large scope of this work and to achieve its objectives, the HTA Council Working Group created an overview report with a summary of key references related to good practices in HTA, outlining where guidance for good practices has been identified and where good practices are still emerging or could not be identified. This overview report will focus on prioritizing next steps that may be taken by ISPOR and other interested parties, and is a summary of the effort. The full report can be found on the ISPOR website

(<https://www.ispor.org/>) and as a Supplementary Appendix to this article.

Methods

The Working Group's approach in developing this report was based on literature review and expert opinion. In this respect it followed a similar approach to that of ISPOR Task Forces.[2] The need for a review of best practices was first identified by the ISPOR HTA Council

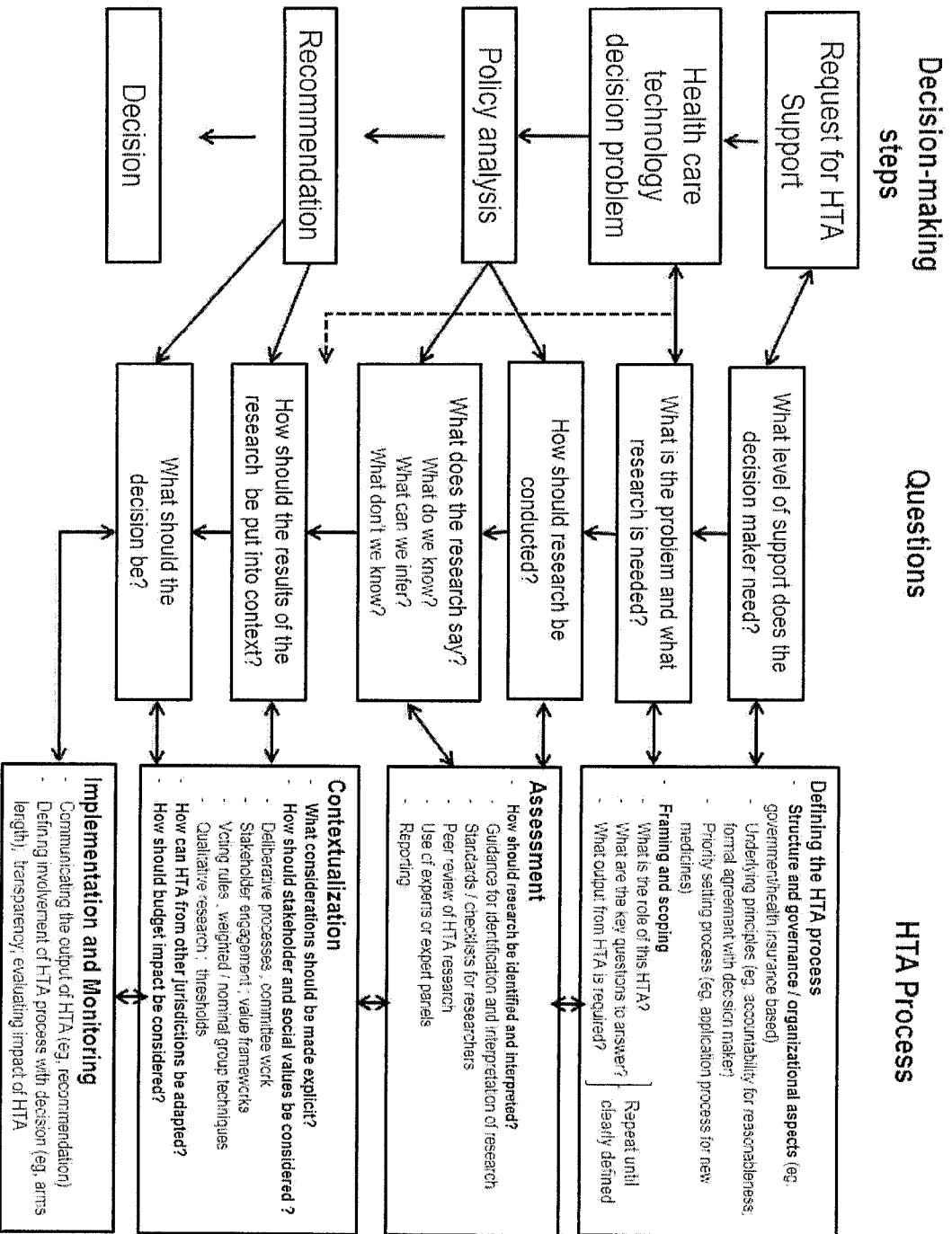
following a review of the ISPOR Guideline Index for Outcomes Research.[3] The Council then identified Co-Chairs who invited members of the Working Group. An outline for the report was then drafted and reviewed by members of the Working Group.

An early challenge for the working group was arriving at consistent conceptual definitions of an HTA process, as well as its associated terminology. In the end, HTA processes were characterized using a combination of concepts derived from healthcare decision making [4] , along with a description of components of an HTA process [5,6] and the structure proposed by the ISPOR Guideline Index for Outcomes Research (Figure 1). [3] The proposed framework assumes that the goal of HTA is to support healthcare decision making and it addresses all aspects, including how HTA processes are governed and defined (“Defining the HTA process”), how research information is identified, analyzed and interpreted (“Assessment”), how these interpretations are applied and weighed to the context of a decision (“Contextualization”), and how this ultimate interpretation and weighting is intended to support healthcare decisions (“Implementation and Monitoring HTA”).

Sections of the report identified through the framework were assigned and drafted by individual Working Group members who were encouraged to use comprehensive approaches towards searching for existing descriptions of current practice, guidance for best practice, and to provide expert opinion (preferably based on published reports) identifying issues related to each section assigned. Systematic reviews were typically not conducted by working group members, although all authors were encouraged to conduct them or identify systematic reviews in their assigned areas.

Once drafted, the report was reviewed by all members, revised and circulated to members of a larger review group (see acknowledgements); it was then further revised leading to this final report. In parallel, findings were summarized and presented at open workshops during ISPOR meetings (Boston, MA, USA and Glasgow, Scotland, UK).

Figure 1. Components of HTA within the healthcare decision-making process



Findings

General findings

In some areas, we were unable to identify good practices specific to HTA. This included good practices in defining the organizational aspects of HTA, the use of deliberative processes, and measuring the impact of HTA. In some areas, such as guidance for the interpretation of individual studies or bodies of evidence, there was an abundance of available practice guidance that was either discipline or HTA-specific.

A summary of our findings appears in Table 1.

HTA Practice	Good Practices Identified	Example(s)	Notes	Refs
Define the HTA process				
Structure / Governance / Organizational aspects of HTA	Few	WHO and World Bank frameworks	Not specific to HTA	[7-11]
Framework / Principles for the HTA process	Yes	Various	Some developed for comparison and benchmarking	[12-17]
Priority setting process	Yes	EUnetHTA procedure		[18-22]
Framing and scoping	Yes	HTA Core Model, Danish guidelines, NICE	Assumed many scoping processes unpublished	[23-25]
Assessment (Synthesizing evidence)				
Identifying and interpreting individual studies	Yes	Summarized Research in Information Retrieval for HTA (SuRe Info) Cochrane Risk of Bias Tools EunetHTA Guidance ISPOR-AMCP-NPC Good Practice Task Force Questionnaire MedTechTA Recommendations HTA Core Model	Tools for some study types still nascent	[24, 26-71]
Interpreting bodies of evidence	Yes	Assessing methodological quality of		[72-86]

			systematic reviews (AMSTAR) tool GRADE-CERQual		
Contextualizing (Using evidence)					
Deliberative processes	Few		OHTAC Deliberative Framework	Few good practices dedicated to HTA	[87-90]
Patient engagement and patient preferences	Yes		HTAI Values and Preferences Tool	Many approaches	[91-102]
Weighted stakeholder preferences and multi-criteria decision analysis	Yes		EVIDEM		[103-111]
Use of thresholds	Yes		UK NICE	Specific to certain health systems	[112-115]
Interpreting or adapting HTAs from other jurisdictions	Yes		EUnethHTA adaptation checklist ISPOR Good Research Practices Task Force report on transferability of economic evaluations	Specific guidance for economic evaluation also available	[55, 116-120]
Use of budget impact analyses	Few		Institute for Clinical and Economic Review		[121-123]
Implementing and monitoring HTA					
Implementing HTA	Yes		SUPPORT Tools	Different approaches	[124-130]
Measuring HTA Impact	Few		"Six step" model		[131-139]

Discussion

Twenty years ago, the EUR-ASSESS Project made it clear that HTA is not defined by a set of methods but by its intent, and given the wide scope of HTA it should not be viewed as a single discipline or field. Rather, HTA is multidisciplinary and rooted in good practices in evaluation including sound research methods [140]. Today, HTA still uses a range of approaches intended to inform decision making and based in research. There is now a more widely shared understanding of the standards that HTA should aim to meet and understanding of the importance of developing, agreeing, and implementing good practices.

Our findings suggest that many good practices have been developed in areas of assessment and in some aspects of defining HTA processes (priority setting, framing and scoping principles, as well in areas of implementation). Few good practices were found related to structure / governance / organizational aspects of HTA and measuring HTA impact.

Using these underlying concepts, the challenge for the Working Group was to arrive at consensus regarding the extent to which good practices can be identified and are available. The wide scope of this overview and the approach taken to search and identify relevant guidance, coupled with many approaches not widely publicized and a rapidly growing literature means that it is possible some good practices may have been overlooked.

HTA, encompassing evidence synthesis, may be viewed as informing evidence-based decision making – two related but distinct concepts [141]. The process of rigorous review and synthesis of scientific evidence focuses on assessing the relative benefits, harms, and costs of healthcare technologies using sound analytic judgments. Evidence-based decision making, in most cases, explicitly or implicitly incorporates other considerations (eg, affordability, ethical issues, feasibility, and acceptability) that may require mechanisms of contextualization of assessment results, such as deliberative processes, to support them.

These latter considerations, the discussion of which is sometimes called “appraisal”, can be supported or coordinated by HTA bodies and have recently received heightened attention; their crucial importance in HTA has been recognized. This has led to a fuzzy distinction between the activities of HTA and decision making, particularly in processes of contextualization, for example in appraisal and reimbursement committees, and the recommendations that come from them. Such recommendations may involve both analytic judgments (such as willingness to include indirect comparison and surrogate endpoints as source of evidence, or how quality adjusted life

years (QALYs) were derived) and consideration of social values (such as weighing the value of a QALY in the very young or old).

The ability of decision makers to override recommendations of HTA bodies, based on other considerations and variations in approaches to HTA, makes its role even more difficult to discern, even to experts in the field [142]. This has led to much criticism of HTA in recent years, resulting from the decision-making processes and the extent to which they are transparent and deliberative. Unfortunately, this criticism may result in some spillover and skepticism regarding the assessment process. The future acceptance of HTA may depend on greater clarity regarding the scope of these two processes, largely identified with "assessment" and "contextualization" in this document, and additional measures to enhance the transparency by decision makers regarding the key elements that actually are driving decisions.

Moving systematic review and synthesis beyond clinical, epidemiological, and economic research into qualitative and quantitative research in patient, caregiver, and citizen generated information (such as perceptions, valuation, and outcomes) is an immediate need in HTA. As part of this effort, there is a need for more research into the structured approaches to deliberative decision-making. Such research could potentially support the application of multi-criteria decision analysis (MCDA) [143]. This will represent a continuation of the EUR-ASSESS approach as implemented in the HTA Core Model and would help further "populate" the non-clinical domains of the Model such as "patient and social" and organizational aspects with good methodologies and more evidence.

Beyond a clear delineation of the roles of HTA and decision-making (as well as scientific judgment and value judgment), HTA bodies may also need to consider what healthcare decisions are best supported by HTA. The move to early dialogue and scientific advice on evidence generation to technology developers can be seen as advancement toward more constructive HTA processes, where alignment between patients, payers, regulators, and technology producers is created through shared information requirements and collaborative planning. [144,145]. It is also a stepping-stone to HTA considering the costs of innovation, when informing healthcare decision makers. Recognition of the overlapping roles of regulatory and HTA processes is another key area of evolution and development for HTA[146,147].

Efforts by researchers in the disciplines that contribute to HTA will undoubtedly continue to include review of their own good practices and produce guidelines and textbooks that will have immediate relevance for HTA. Taken together, priorities for good practice guidance in HTA as reflected in this paper and the ISPOR Outcomes Research Guidelines Index [3] will likely need to

focus on developing good practices in *using* evidence to support decision making through implementing and monitoring of HTA rather than concentrating the focus of guidance production on HTA research practices (eg, evidence review and synthesis, outcomes research and health economics), while encouraging and increasingly building on high quality research guidance from these “contributing” fields of research. With the evolving ISPOR Guidelines Index, and this review of current guidance it may be easier to prioritize where efforts should be put in developing good practices in HTA.

Acknowledgements

We are sincerely grateful to the following people who generously gave their time and shared their expertise by submitting written comments on a draft version of this manuscript: Meindert Boysen, Karen Facey, Ansgar Gerhardus, Clifford Goodman, IQWiG, Zoltán Kaló, Sukyeong Kim, Bryan Luce, Aurelio Mejía, Andrew Mitchell, Wija Oortwijn, Matthias Perleth, Maureen Smith, Brian Solow, Lizzie Thomas, Janet Wale, Richard Willke, Ingrid Zechmeister-Koss, and Kun Zhao.

The steady and capable support of ISPOR and its staff is also genuinely appreciated.

References

1. Santos J, Palumbo F, Molsen-David E, Willke RJ, Binder L, Drummond M, et al. ISPOR Code of Ethics 2017 (4th Edition). *Value Health*. 2017;20:1227–42.
2. ISPOR Good Practices for Outcomes Research [Internet]. [cited 2018 Jan 24]. Available from: https://www.ispor.org/workpaper/practices_index.asp
3. ISPOR Guideline Index for Outcomes Research and Use in Health Care Decision Making [Internet]. Guideline Index for Outcomes Research and Use in Health Care Decision Making. Available from: <https://www.ispor.org/GuidelinesIndex/#Payer>
4. Eddy DM. Clinical decision making: from theory to practice. *Anatomy of a decision*. *JAMA*. 1990;263:441–3.
5. Schwarzer R, Siebert U. Methods, procedures, and contextual characteristics of health technology assessment and health policy decision making: comparison of health technology assessment agencies in Germany, United Kingdom, France, and Sweden. *Int J Technol Assess Health Care*. 2009;25:305–14.
6. Kristensen FB, Lampe K, Wild C, Cerbo M, Goettsch W, Becla L. The HTA Core Model@-10 Years of Developing an International Framework to Share Multidimensional Value Assessment. *Value Health*. 2017;20:244–50.
7. Kaufmann D, Kraay A. Governance indicators : where are we, where should we be going ? [Internet]. The World Bank; 2007 Oct p. 1. Report No.: WPS4370. Available from: <http://documents.worldbank.org/curated/en/898661468338348410/Governance-indicators-where-are-we-where-should-we-be-going>
8. World Health Organization. WHO | The world health report 2000 - Health systems: improving performance [Internet]. [cited 2011 Jun 26]. Available from: <http://www.who.int/whr/2000/en/>

9. Greer SL, Wismar M, Figueras J, European Observatory on Health Systems and Policies, editors. *Strengthening health system governance: better policies, stronger performance*. Maidenhead, Berkshire, England: Open University Press; 2016.
10. A Framework for Good Governance in the Pharmaceutical Sector. The Hashemite Kingdom of Jordan [Internet]. [cited 2017 Sep 2]. Available from: <http://apps.who.int/medicinedocs/en/d/Js17057e/>
11. United Nations Development Programme. *Governance for sustainable human development: a UNDP policy document*. New York: United Nations Development Programme; 1997.
12. Drummond MF, Schwartz JS, Jönsson B, Luce BR, Neumann PJ, Siebert U, et al. Key principles for the improved conduct of health technology assessments for resource allocation decisions. *Int J Technol Assess Health Care*. 2008;24:244-258; discussion 362-368.
13. Drummond M, Neumann P, Jönsson B, Luce B, Schwartz JS, Siebert U, et al. Can we reliably benchmark health technology assessment organizations? *Int J Technol Assess Health Care*. 2012;28:159–65.
14. Oortwijn W, Mathijssen J, Banta D. The role of health technology assessment on pharmaceutical reimbursement in selected middle-income countries. *Health Policy*. 2010;95:174–84.
15. Oortwijn W, Broos P, Vondeling H, Banta D, Todorova L. Mapping of health technology assessment in selected countries. *Int J Technol Assess Health Care*. 2013;29:424–34.
16. Oortwijn W, Determann D, Schiffers K, Tan SS, van der Tuin J. Towards Integrated Health Technology Assessment for Improving Decision Making in Selected Countries. *Value Health*. 2017;20:1121–30.
17. Allen N, Liberti L, Walker SR, Salek S. A Comparison of Reimbursement Recommendations by European HTA Agencies: Is There Opportunity for Further Alignment? *Front Pharmacol*. 2017;8:384.
18. Henshall C, Oortwijn W, Stevens A, Granados A, Banta D. Priority setting for health technology assessment. Theoretical considerations and practical approaches. Priority setting Subgroup of the EUR-ASSESS Project. *Int J Technol Assess Health Care*. 1997;13:144–85.
19. Mobinizadeh M, Raeissi P, Nasiripour AA, Olyaeemanesh A, Tabibi SJ. The health systems' priority setting criteria for selecting health technologies: A systematic review of the current evidence. *Med J Islam Repub Iran*. 2016;30:329.
20. Noorani HZ, Husereau DR, Boudreau R, Skidmore B. Priority setting for health technology assessments: a systematic review of current practical approaches. *Int J Technol Assess Health Care*. 2007;23:310–5.
21. Specchia ML, Favale M, Di Nardo F, Rotundo G, Favaretti C, Ricciardi W, et al. How to choose health technologies to be assessed by HTA? A review of criteria for priority setting. *Epidemiol Prev*. 2015;39:39–44.
22. Whitlock EP, Lopez SA, Chang S, Helfand M, Eder M, Floyd N. AHRQ series paper 3: identifying, selecting, and refining topics for comparative effectiveness systematic reviews: AHRQ and the effective health-care program. *J Clin Epidemiol*. 2010;63:491–501.

23. Kristensen F, Sigmund H, Danish Centre for Health Technology Assessment. Health technology assessment handbook [Internet]. Copenhagen: Danish Centre for Health Technology Assessment; 2001 [cited 2014 Aug 25]. Available from: http://www.sst.dk/publ/Publ2008/MTV/Metode/HTA_Handbook_net_final.pdf
24. HTA Core Model® Online | Handbook [Internet]. [cited 2017 Dec 8]. Available from: <http://mekat.thl.fi/htacore/ViewHandbook.aspx>
25. Technology appraisal guidance | NICE guidance | Our programmes | What we do | About [Internet]. NICE. [cited 2017 Oct 5]. Available from: <https://www.nice.org.uk/about/what-we-do/our-programmes/nice-guidance/nice-technology-appraisal-guidance>
26. Ormstad SS. Keeping up to date with information retrieval research: Summarized Research in Information Retrieval (SuRe Info). *Journal of the European Association for Health Information and Libraries*. 2013;9:17–9.
27. Higgins JPT, Altman DG, Gøtzsche PC, Jüni P, Moher D, Oxman AD, et al. The Cochrane Collaboration's tool for assessing risk of bias in randomised trials. *BMJ*. 2011;343:d5928.
28. RoB 2.0 tool - Risk of bias tools [Internet]. [cited 2017 Mar 23]. Available from: <http://www.riskofbias.info/welcome/rob-2-0-tool>
29. Sterne JA, Hernán MA, Reeves BC, Savović J, Berkman ND, Viswanathan M, et al. ROBINS-I: a tool for assessing risk of bias in non-randomised studies of interventions. *BMJ*. 2016;355:i4919.
30. O'Neil M, Berkman N, Hartling L, Chang S, Anderson J, Motu'apuaka M, et al. Observational Evidence and Strength of Evidence Domains: Case Examples [Internet]. Rockville (MD): Agency for Healthcare Research and Quality (US); 2014 [cited 2017 Mar 27]. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK202087/>
31. Developing a Protocol for Observational Comparative Effectiveness Research: A User's Guide - NCBI Bookshelf [Internet]. [cited 2017 Mar 27]. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK126190/>
32. Observational data TSD – NICE Decision Support Unit [Internet]. [cited 2017 Oct 5]. Available from: <http://scharr.dept.shef.ac.uk/nicedsu/technical-support-documents/observational-data-tds/>
33. Stratos Initiative [Internet]. [cited 2017 Oct 5]. Available from: /home
34. Berger ML, Martin BC, Huserereau D, Worley K, Allen JD, Yang W, et al. A questionnaire to assess the relevance and credibility of observational studies to inform health care decision making: an ISPOR-AMCP-NPC Good Practice Task Force report. *Value Health*. 2014;17:143–56.
35. Walker DG, Wilson RF, Sharma R, Bridges J, Niessen L, Bass EB, et al. Best Practices for Conducting Economic Evaluations in Health Care: A Systematic Review of Quality Assessment Tools [Internet]. Rockville (MD): Agency for Healthcare Research and Quality (US); 2012 [cited 2017 Dec 8]. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK114545/>
36. Drummond MF, Sculpher MJ, Claxton K, Stoddart GL, Torrance GW. *Methods for the Economic Evaluation of Health Care Programmes*. Oxford University Press; 2015.
37. Evers S, Goossens M, de Vet H, van Tulder M, Ament A. Criteria list for assessment of methodological quality of economic evaluations: Consensus on Health Economic Criteria. *Int J Technol Assess Health Care*. 2005;21:240–5.

38. Ofman JJ, Sullivan SD, Neumann PJ, Chiou C-F, Henning JM, Wade SW, et al. Examining the value and quality of health economic analyses: implications of utilizing the QHES. *J Manag Care Pharm.* 2003;9:53–61.
39. EUnetHTA Joint Action 2, Work Package 7, Subgroup 3, Heintz E, Gerber-Grote A, Ghabri S, Hamers FF, Rupel VP, et al. Is There a European View on Health Economic Evaluations? Results from a Synopsis of Methodological Guidelines Used in the EUnetHTA Partner Countries. *Pharmacoeconomics.* 2016;34:59–76.
40. Husereau D, Drummond M, Petrou S, Carswell C, Moher D, Greenberg D, et al. Consolidated Health Economic Evaluation Reporting Standards (CHEERS) – Explanation and Elaboration: A Report of the ISPOR Health Economic Evaluations Publication Guidelines Task Force. *Value in Health.* 2013;16:[in press].
41. iqwig.de - Methods Paper [Internet]. [cited 2017 Oct 5]. Available from: <https://www.iqwig.de/en/methods/methods-paper.3020.html>
42. Pharmacoeconomic Guidelines Around The World [Internet]. [cited 2017 Oct 5]. Available from: <https://www.ispor.org/PEguidelines/index.asp>
43. Mathes T, Jacobs E, Morfeld JC, Pieper D. Methods of international health technology assessment agencies for economic evaluations--a comparative analysis. *BMC Health Services Research* [Internet]. 2013;13:371, 2013. Available from: DO - <http://dx.doi.org/10.1186/1472-6963-13-371>
44. Tarn T, Smith MD. Pharmacoeconomic guidelines around the world. *ISPOR connections.* 2004;10:5–15.
45. Sullivan SD, Mauskopf JA, Augustovski F, Jaime Caro J, Lee KM, Minchin M, et al. Budget impact analysis-principles of good practice: report of the ISPOR 2012 Budget Impact Analysis Good Practice II Task Force. *Value Health.* 2014;17:5–14.
46. Curry LA, Nembhard IM, Bradley EH. Qualitative and mixed methods provide unique contributions to outcomes research. *Circulation.* 2009;119:1442–52.
47. Vandermause R, Barg FK, Esmail L, Edmundson L, Girard S, Perfetti AR. Qualitative Methods in Patient-Centered Outcomes Research. *Qual Health Res.* 2016;
48. Santiago-Delefosse M, Bruchez C, Gavin A, Stephen SL, Roux P. Complexity of the Paradigms Present in Quality Criteria of Qualitative Research Grids. *SAGE Open.* 2015;5:215824401562135.
49. Tong A, Sainsbury P, Craig J. Consolidated criteria for reporting qualitative research (COREQ): a 32-item checklist for interviews and focus groups. *Int J Qual Health Care.* 2007;19:349–57.
50. Tong A, Flemming K, McInnes E, Oliver S, Craig J. Enhancing transparency in reporting the synthesis of qualitative research: ENTREQ. *BMC Medical Research Methodology.* 2012;12:181.
51. Moher D, Schulz KF, Simera I, Altman DG. Guidance for developers of health research reporting guidelines. *PLoS Med.* 2010;7:e1000217.
52. Hunger T, Schnell-Inderst P, Sahakyan N, Siebert U. USING EXPERT OPINION IN HEALTH TECHNOLOGY ASSESSMENT: A GUIDELINE REVIEW. *Int J Technol Assess Health Care.* 2016;32:131–9.

53. Lehoux P, Williams-Jones B. Mapping the integration of social and ethical issues in health technology assessment. *Int J Technol Assess Health Care*. 2007;23:9–16.
54. Potter BK, Avard D, Graham ID, Entwistle VA, Caulfield TA, Chakraborty P, et al. Guidance for considering ethical, legal, and social issues in health technology assessment: Application to genetic screening. *International Journal of Technology Assessment in Health Care* [Internet]. 2008 [cited 2014 Aug 22];24. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/?term=18828935>
55. EUnetHTA HTA Adaptation Toolkit | EUnetHTA [Internet]. [cited 2018 Feb 27]. Available from: <http://www.eunetha.eu/outputs/eunetha-hta-adaptation-toolkit>
56. Hofmann B, Oortwijn W, Bakke Lysdahl K, Refolo P, Sacchini D, van der Wilt GJ, et al. Integrating ethics in health technology assessment: many ways to Rome. *Int J Technol Assess Health Care*. 2015;31:131–7.
57. Hofmann B, Cleemput I, Bond K, Krones T, Droste S, Sacchini D, et al. Revealing and acknowledging value judgments in health technology assessment. *Int J Technol Assess Health Care*. 2014;30:579–86.
58. Wilt GJ van der. Healthcare Technology Assessment. In: Have H ten, editor. *Encyclopedia of Global Bioethics* [Internet]. Springer International Publishing; 2015 [cited 2017 Feb 2]. p. 1–13. Available from: http://link.springer.com/referenceworkentry/10.1007/978-3-319-05544-2_416-1
59. Lysdahl KB, Hofmann B. Complex health care interventions: Characteristics relevant for ethical analysis in health technology assessment. *GMS Health Technol Assess*. 2016;12:Doc01.
60. Saarni SI, Hofmann B, Lampe K, Lühmann D, Mäkelä M, Velasco-Garrido M, et al. Ethical analysis to improve decision-making on health technologies. *Bull World Health Organ*. 2008;86:617–23.
61. Assasi N, Schwartz L, Tarride J-E, Campbell K, Goeree R. Methodological guidance documents for evaluation of ethical considerations in health technology assessment: a systematic review. *Expert Review of Pharmacoeconomics & Outcomes Research*. 2014;14:203–20.
62. Rehfuss EA, Gerhardus A, INTEGRATE-HTA. INTEGRATE-HTA: adopting and implementing an integrated perspective on complex interventions. *J Public Health (Oxf)*. 2016;
63. Wahlster P, Brereton L, Burns J, Hofmann B, Mozygemba K, Oortwijn W, et al. AN INTEGRATED PERSPECTIVE ON THE ASSESSMENT OF TECHNOLOGIES: INTEGRATE-HTA. *Int J Technol Assess Health Care*. 2017;1–8.
64. Heintz E, Lintamo L, Hultcrantz M, Jacobson S, Levi R, Munthe C, et al. Framework for systematic identification of ethical aspects of healthcare technologies: the SBU approach. *Int J Technol Assess Health Care*. 2015;31:124–30.
65. Mertz M, Kahrass H, Strech D. Current state of ethics literature synthesis: a systematic review of reviews. *BMC Med*. 2016;14:152.
66. Braunack-Mayer AJ. Ethics and health technology assessment: handmaiden and/or critic? *Int J Technol Assess Health Care*. 2006;22:307–12.
67. Saarni SI, Braunack-Mayer A, Hofmann B, van der Wilt GJ. Different methods for ethical analysis in health technology assessment: An empirical study. *International Journal of Technology Assessment in Health Care*. 2011;27:305–12.

68. Scott AM, Hofmann B, Gutiérrez-Ibarluzea I, Bakke Lysdahl K, Sandman L, Bombard Y. Q-SEA - a tool for quality assessment of ethics analyses conducted as part of health technology assessments. *GMS Health Technol Assess*. 2017;13:Doc02.
69. Bond K, Oremus M, Duthie KM, Griener GG. Ethics expertise for health technology assessment: a Canadian national survey. *Int J Technol Assess Health Care*. 2014;30:131–6.
70. Tarricone R, Torbica A, Drummond M, MedtechHTA Project Group. Key Recommendations from the MedtechHTA Project. *Health Econ*. 2017;26 Suppl 1:145–52.
71. EUnetHTA Guidelines | EUnetHTA [Internet]. [cited 2018 Jan 19]. Available from: <http://www.eunetha.eu/eunetha-guidelines>
72. Robinson KA, Whitlock EP, O'Neil ME, Anderson JK, Hartling L, Dryden DM, et al. Integration of Existing Systematic Reviews [Internet]. Rockville (MD): Agency for Healthcare Research and Quality (US); 2014 [cited 2017 Mar 27]. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK216379/>
73. Shea BJ, Grimshaw JM, Wells GA, Boers M, Andersson N, Hamel C, et al. Development of AMSTAR: a measurement tool to assess the methodological quality of systematic reviews. *BMC Med Res Methodol*. 2007;7:10.
74. Liberati A, Altman DG, Tetzlaff J, Mulrow C, Gøtzsche PC, Ioannidis JPA, et al. The PRISMA statement for reporting systematic reviews and meta-analyses of studies that evaluate healthcare interventions: explanation and elaboration. *BMJ*. 2009;339:b2700.
75. Draborg E, Gyrd-Hansen D, Poulsen PB, Horder M. International comparison of the definition and the practical application of health technology assessment. *Int J Technol Assess Health Care*. 2005;21:89–95.
76. Wiley: Methods for Meta-Analysis in Medical Research - Alexander J. Sutton, Keith R. Abrams, David R Jones, et al [Internet]. [cited 2017 Feb 2]. Available from: <http://www.wiley.com/WileyCDA/WileyTitle/productCd-0471490660.html>
77. Jansen JP, Fleurence R, Devine B, Itzler R, Barrett A, Hawkins N, et al. Interpreting Indirect Treatment Comparisons and Network Meta-Analysis for Health-Care Decision Making: Report of the ISPOR Task Force on Indirect Treatment Comparisons Good Research Practices: Part 1. *Value in Health*. 2011;14:417–28.
78. Jansen JP, Trikalinos T, Cappelleri JC, Daw J, Andes S, Eldessouki R, et al. Indirect treatment comparison/network meta-analysis study questionnaire to assess relevance and credibility to inform health care decision making: an ISPOR-AMCP-NPC Good Practice Task Force report. *Value Health*. 2014;17:157–73.
79. Brignardello-Petersen R, Bonner A, Alexander PE, Siemieniuk RA, Furukawa TA, Rochweg B, et al. Advances in the GRADE approach to rate the certainty in estimates from a network meta-analysis. *J Clin Epidemiol*. 2017;
80. Puhan MA, Schünemann HJ, Murad MH, Li T, Brignardello-Petersen R, Singh JA, et al. A GRADE Working Group approach for rating the quality of treatment effect estimates from network meta-analysis. *BMJ*. 2014;349:g5630.
81. Hutton B, Salanti G, Caldwell DM, Chaimani A, Schmid CH, Cameron C, et al. The PRISMA extension statement for reporting of systematic reviews incorporating network meta-analyses of health care interventions: checklist and explanations. *Ann Intern Med*. 2015;162:777–84.

82. Wong G, Greenhalgh T, Westhorp G, Buckingham J, Pawson R. RAMESES publication standards: meta-narrative reviews. *BMC Medicine*. 2013;11:20.
83. Wong G, Greenhalgh T, Westhorp G, Buckingham J, Pawson R. RAMESES publication standards: realist syntheses. *BMC Medicine*. 2013;11:21.
84. France EF, Ring N, Noyes J, Maxwell M, Jepson R, Duncan E, et al. Protocol-developing meta-ethnography reporting guidelines (eMERGe). *BMC Med Res Methodol*. 2015;15:103.
85. O’Cathain A. Assessing the Quality of Mixed Methods Research: Toward a Comprehensive Framework. *SAGE Handbook of Mixed Methods in Social & Behavioral Research* [Internet]. 2455 Teller Road, Thousand Oaks California 91320 United States: SAGE Publications, Inc.; 2010 [cited 2017 Mar 23]. p. 531–56. Available from: <http://methods.sagepub.com/book/sage-handbook-of-mixed-methods-social-behavioral-research-2e/n21.xml>
86. Lewin S, Glenton C, Munthe-Kaas H, Carlsen B, Colvin CJ, Gülmezoglu M, et al. Using Qualitative Evidence in Decision Making for Health and Social Interventions: An Approach to Assess Confidence in Findings from Qualitative Evidence Syntheses (GRADE-CERQual). *PLOS Medicine*. 2015;12:e1001895.
87. Fearon JD. Deliberation as Discussion. In: Elster J, editor. *Deliberative Democracy* [Internet]. Cambridge: Cambridge University Press; 1998 [cited 2017 Oct 5]. p. 44–68. Available from: <http://ebooks.cambridge.org/ref/id/CBO9781139175005A009>
88. Baltussen R, Jansen MPM, Bijlmakers L, Grutters J, Kluytmans A, Reuzel RP, et al. Value Assessment Frameworks for HTA Agencies: The Organization of Evidence-Informed Deliberative Processes. *Value Health*. 2017;20:256–60.
89. Culyer A. Deliberative processes in decisions about health care technologies: combining different types of evidence, values, algorithms and people. [Internet]. Office of Health Economics; 2009. Available from: <http://www.ohe.org/publications/recent-publications/list-by-title-20/detail/date////deliberative-processes-in-decisions-about-health-care-technologies.html>
90. Lomas J, Culyer T, Mccutcheon C, Law S, Tetroe J. - Final Report- Conceptualizing and Combining Evidence for Health System Guidance. 2005.
91. Bridges JFP, Jones C. Patient-based health technology assessment: a vision of the future. *Int J Technol Assess Health Care*. 2007;23:30–5.
92. Abelson J, Giacomini M, Lehoux P, Gauvin F-P. Bringing “the public” into health technology assessment and coverage policy decisions: from principles to practice. *Health Policy*. 2007;82:37–50.
93. Patient and public involvement policy | Public involvement | NICE communities | About | NICE [Internet]. [cited 2017 Mar 27]. Available from: <https://www.nice.org.uk/about/nice-communities/public-involvement/patient-and-public-involvement-policy>
94. Perfetto EM, Oehrlein EM, Boutin M, Reid S, Gascho E. Value to Whom? The Patient Voice in the Value Discussion. *Value Health*. 2017;20:286–91.
95. Hansen HP, Draborg E, Kristensen FB. Exploring qualitative research synthesis: the role of patients’ perspectives in health policy design and decision making. *Patient*. 2011;4:143–52.
96. Mühlbacher AC. Patient-centric HTA: different strokes for different folks. *Expert Rev Pharmacoecon Outcomes Res*. 2015;15:591–7.

97. Frank L, Forsythe L, Ellis L, Schrandt S, Sheridan S, Gerson J, et al. Conceptual and practical foundations of patient engagement in research at the patient-centered outcomes research institute. *Qual Life Res.* 2015;24:1033–41.
98. Bridges JFP, Hauber AB, Marshall D, Lloyd A, Prosser LA, Regier DA, et al. Conjoint analysis applications in health--a checklist: a report of the ISPOR Good Research Practices for Conjoint Analysis Task Force. *Value Health.* 2011;14:403–13.
99. Johnson FR, Lancsar E, Marshall D, Kilambi V, Mühlbacher A, Regier DA, et al. Constructing experimental designs for discrete-choice experiments: report of the ISPOR Conjoint Analysis Experimental Design Good Research Practices Task Force. *Value Health.* 2013;16:3–13.
100. Hauber AB, González JM, Groothuis-Oudshoorn CGM, Prior T, Marshall DA, Cunningham C, et al. Statistical Methods for the Analysis of Discrete Choice Experiments: A Report of the ISPOR Conjoint Analysis Good Research Practices Task Force. *Value Health.* 2016;19:300–15.
101. Facey K, Boivin A, Gracia J, Hansen HP, Lo Scalzo A, Mossman J, et al. Patients' perspectives in health technology assessment: a route to robust evidence and fair deliberation. *Int J Technol Assess Health Care.* 2010;26:334–40.
102. Guidance for patient involvement in HTA [Internet]. EUPATI. 2016 [cited 2017 Dec 8]. Available from: <https://www.eupati.eu/health-technology-assessment/guidance-for-patient-involvement-in-hta/>
103. Thokala P, Devlin N, Marsh K, Baltussen R, Boysen M, Kalo Z, et al. Multiple Criteria Decision Analysis for Health Care Decision Making--An Introduction: Report 1 of the ISPOR MCDA Emerging Good Practices Task Force. *Value Health.* 2016;19:1–13.
104. Marsh K, Goetghebeur M, Thokala P, Baltussen R. *Multi-Criteria Decision Analysis to Support Healthcare Decisions.* Springer; 2017.
105. Husereau D, Boucher M, Noorani H. Priority setting for health technology assessment at CADTH. *Int J Technol Assess Health Care.* 2010;26:341–7.
106. Danner M, Hummel JM, Volz F, van Manen JG, Wiegard B, Dintsios C-M, et al. Integrating patients' views into health technology assessment: Analytic hierarchy process (AHP) as a method to elicit patient preferences. *International Journal of Technology Assessment in Health Care.* 2011;27:369–375.
107. Castro H, Tringali M, Cleemput I, Devriese S, Leoni O, Lettieri E. Advancing MCDA and HTA into Coverage Decision-Making. *Multi-Criteria Decision Analysis to Support Healthcare Decisions* [Internet]. Springer, Cham; 2017 [cited 2017 Dec 8]. p. 119–46. Available from: https://link.springer.com/chapter/10.1007/978-3-319-47540-0_8
108. Radaelli G, Lettieri E, Masella C, Merlino L, Strada A, Tringali M. Implementation of EUnetHTA core Model® in Lombardia: the VTS framework. *Int J Technol Assess Health Care.* 2014;30:105–12.
109. Golan O, Hansen P. Which health technologies should be funded? A prioritization framework based explicitly on value for money. *Isr J Health Policy Res.* 2012;1:44.
110. Tony M, Wagner M, Khoury H, Rindress D, Papastavros T, Oh P, et al. Bridging health technology assessment (HTA) with multicriteria decision analyses (MCDA): field testing of the EVIDEM framework for coverage decisions by a public payer in Canada. *BMC Health Serv Res.* 2011;11:329.

111. Youngkong S, Baltussen R, Tantivess S, Mohara A, Teerawattananon Y. Multicriteria decision analysis for including health interventions in the universal health coverage benefit package in Thailand. *Value Health*. 2012;15:961–70.
112. Verguet S, Kim JJ, Jamison DT. Extended Cost-Effectiveness Analysis for Health Policy Assessment: A Tutorial. *Pharmacoeconomics*. 2016;34:913–23.
113. McCabe C, Claxton K, Culyer AJ. The NICE cost-effectiveness threshold: what it is and what that means. *Pharmacoeconomics*. 2008;26:733–44.
114. Claxton K, Martin S, Soares M, Rice N, Spackman E, Hinde S, et al. Methods for the estimation of the National Institute for Health and Care Excellence cost-effectiveness threshold. *Health Technol Assess*. 2015;19:1–503, v–vi.
115. Schwarzer R, Rochau U, Saverno K, Jahn B, Bornschein B, Muehlberger N, et al. Systematic overview of cost-effectiveness thresholds in ten countries across four continents. *J Comp Eff Res*. 2015;4:485–504.
116. Drummond M, Barbieri M, Cook J, Glick HA, Lis J, Malik F, et al. Transferability of economic evaluations across jurisdictions: ISPOR Good Research Practices Task Force report. *Value Health*. 2009;12:409–18.
117. Drummond M, Augustovski F, Kaló Z, Yang B-M, Pichon-Riviere A, Bae E-Y, et al. CHALLENGES FACED IN TRANSFERRING ECONOMIC EVALUATIONS TO MIDDLE INCOME COUNTRIES. *Int J Technol Assess Health Care*. 2015;31:442–8.
118. Barbieri M, Drummond M, Willke R, Chancellor J, Jolain B, Towse A. Variability of cost-effectiveness estimates for pharmaceuticals in Western Europe: lessons for inferring generalizability. *Value Health*. 2005;8:10–23.
119. Barbieri M, Drummond M, Rutten F, Cook J, Glick HA, Lis J, et al. What do international pharmacoeconomic guidelines say about economic data transferability? *Value Health*. 2010;13:1028–37.
120. Chalon PX, Kraemer P. EUnetHTA information management system: development and lessons learned. *Int J Technol Assess Health Care*. 2014;30:514–20.
121. Danske Regioner - Medicinrådet - In English [Internet]. [cited 2018 Jan 24]. Available from: <http://www.medicinraadet.dk/om-medicinraadet/in-english>
122. National Institute for Health and Care Excellence. Assessing resource impact methods guide [Internet]. National Institute for Health and Care Excellence; 2011. Available from: <https://www.nice.org.uk/Media/Default/About/what-we-do/Into-practice/costing/ria-method-guide-revision-V12-consultation.pdf>
123. Final Value Assessment Framework for 2017-2019 [Internet]. ICER. [cited 2018 Jan 24]. Available from: <https://icer-review.org/final-vaf-2017-2019/>
124. Lavis JN, Robertson D, Woodside JM, McLeod CB, Abelson J, Knowledge Transfer Study Group. How can research organizations more effectively transfer research knowledge to decision makers? *Milbank Q*. 2003;81:221–48, 171–2.
125. Lavis JN, Oxman AD, Lewin S, Fretheim A. SUPPORT Tools for evidence-informed health Policymaking (STP). *Health Research Policy and Systems*. 2009;7:11.

126. Health Systems Evidence [Internet]. [cited 2017 Mar 23]. Available from: <https://www.healthsystemsevidence.org/>
127. The AMCP format for formulary submissions version 3.0. *J Manag Care Pharm.* 2010;16:1–30.
128. Submission template for Pharmaceuticals and Submission template for Medical Devices | EUnetHTA [Internet]. [cited 2018 Jan 24]. Available from: <http://eunetha.eu/outputs/submission-template-pharmaceuticals-and-submission-template-medical-devices>
129. Kaló Z, Gheorghe A, Huic M, Csanádi M, Kristensen FB. HTA Implementation Roadmap in Central and Eastern European Countries. *Health Econ.* 2016;25 Suppl 1:179–92.
130. The Pharmaceutical Price Regulation Scheme. 02/07. London: Office of Fair Trading; 2007.
131. Hailey D, Werkö S, Rosén M, Macpherson K, Myles S, Gallegos Rivero V, et al. INFLUENCE OF HEALTH TECHNOLOGY ASSESSMENT AND ITS MEASUREMENT. *Int J Technol Assess Health Care.* 2016;32:376–84.
132. Gerhardus A, Dorendorf E, Röttingen J-A, Santamera AS. What are the effects of HTA reports on the health system? Evidence from the research literature. *Health technology assessment and health policy-making in Europe.* 2008;109.
133. Gerhardus A, Dintsis C-M. The impact of HTA reports on health policy: a systematic review. *GMS Health Technol Assess.* 2005;1:Doc02.
134. Raftery J, Hanney S, Greenhalgh T, Glover M, Blatch-Jones A. Models and applications for measuring the impact of health research: update of a systematic review for the Health Technology Assessment programme. *Health Technol Assess.* 2016;20:1–254.
135. Guthrie S, Hafner M, Bienkowska-Gibbs T, Wooding S. Returns on Research Funded Under the NIHR Health Technology Assessment (HTA) Programme: Economic Analysis and Case Studies. *Rand Health Q.* 2016;5:5.
136. Jacob R, McGregor M. Assessing the impact of health technology assessment. *Int J Technol Assess Health Care.* 1997;13:68–80.
137. Schumacher I, Zechmeister I. Assessing the impact of health technology assessment on the Austrian healthcare system. *Int J Technol Assess Health Care.* 2013;29:84–91.
138. Zechmeister I, Schumacher I. The impact of health technology assessment reports on decision making in Austria. *Int J Technol Assess Health Care.* 2012;28:77–84.
139. Callea G, Armeni P, Marsilio M, Jommi C, Tarricone R. The impact of HTA and procurement practices on the selection and prices of medical devices. *Soc Sci Med.* 2017;174:89–95.
140. Banta D. What is technology assessment? *International journal of technology assessment in health care.* 2009;25:7–9.
141. Teutsch SM, Berger ML. Evidence synthesis and evidence-based decision making: related but distinct processes. *Med Decis Making.* 2005;25:487–9.
142. Akehurst RL, Abadie E, Renaudin N, Sarkozy F. Variation in Health Technology Assessment and Reimbursement Processes in Europe. *Value Health.* 2017;20:67–76.

143. Garrison LP, Neumann PJ, Willke RJ, Basu A, Danzon PM, Doshi JA, et al. A Health Economics Approach to US Value Assessment Frameworks—Summary and Recommendations of the ISPOR Special Task Force Report [7]. *Value in Health*. 2018;21:161–5.

144. Husereau D, Henshall C, Sampietro-Colom L, Thomas S. CHANGING HEALTH TECHNOLOGY ASSESSMENT PARADIGMS? *Int J Technol Assess Health Care*. 2016;32:191–9.

145. EUnetHTA early dialogue consolidated procedure | EUnetHTA [Internet]. [cited 2018 Jan 19]. Available from: <http://eunetha.eu/outputs/eunetha-early-dialogue-consolidated-procedure>

146. Henshall C, Mardhani-Bayne L, Frønsdal KB, Klemp M. Interactions between health technology assessment, coverage, and regulatory processes: emerging issues, goals, and opportunities. *Int J Technol Assess Health Care*. 2011;27:253–60.

147. EMA and EUnetHTA finalise joint work plan for 2017-2020 | EUnetHTA [Internet]. [cited 2018 Jan 19]. Available from: <http://www.eunetha.eu/news/ema-and-eunetha-finalise-joint-work-plan-2017-2020>