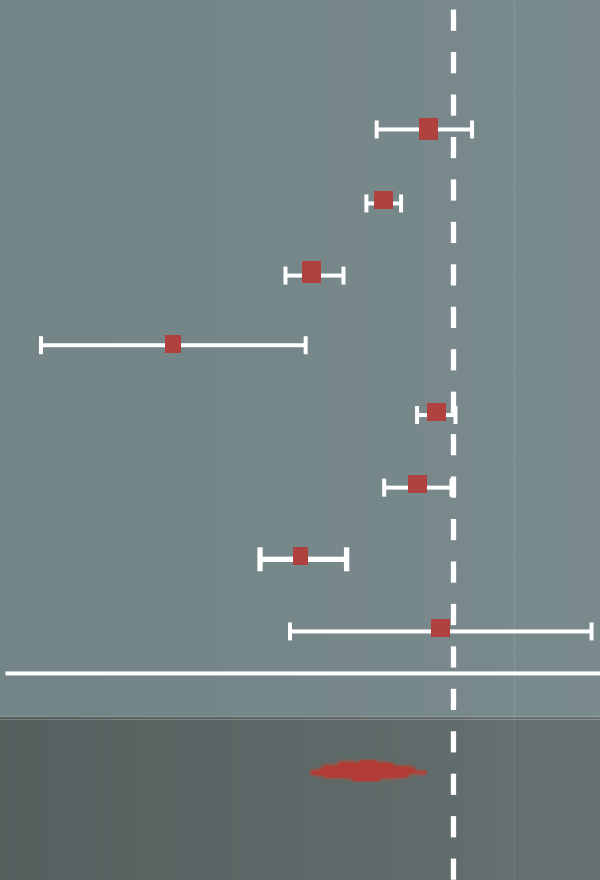




International Journal of

# Technology Assessment in Health Care



ISSN: 0266-4623

CAMBRIDGE  
UNIVERSITY PRESS

# International Journal of Technology Assessment in Health Care

Official Journal of Health Technology Assessment International

## Editor-in-Chief

**Wendy Babidge, BApp Sci (Hons), Ph.D., Grad Dip Bus, GAICD**

General Manager Research, Audit and Academic Surgery, Royal Australasian College of Surgeons

Adjunct Associate Professor, University of Adelaide

199 Ward St, North Adelaide South Australia 5006, Australia

Email: wendy.babidge@adam.com.au

**Aims and Scope:** The *International Journal of Technology Assessment in Health Care* has as its specific scope of interest the generation, evaluation, diffusion, and use of health care technology. It addresses the diverse audience of health care providers within medicine, public health, nursing, and the allied health professions; decision makers in government, industry, and health care organizations; and the scholarly disciplines such as ethics, economics, law, history, sociology, psychology, and engineering. The journal aims to fill the needs of those interested in the complexities of interaction between people and technology; technology as a force in social and organizational change; and technology as it is created, produced, applied, and paid for. It examines descriptively and analytically the effects of technology as perceived from the vantage point of different academic disciplines and policy-making organizations and examines methods necessary to conduct studies and evaluations of technology.

The focus of the journal is the international health care community. The experience of different countries in their encounter with health care technology, viewed comparatively, is invaluable to understanding its effects. Further, it is important to establish ties with the scholars, governments, and private institutions concerned with health care technology so that the experiences and learning of the international community in its parts can benefit the whole. The use of technology in health care has created some of the major dilemmas in society today. The journal serves as a forum for the wide range of professionals interested in the assessment of medical technology, its consequences for patients, and its impact on society.

**Publishing, Advertising, and Subscription Offices:** Cambridge University Press, One Liberty Plaza, Floor 20, New York, NY 10006, U.S.A. (for U.S.A., Canada, and Mexico); or Cambridge University Press, Journals Fulfillment Department, UPH, Shaftesbury Road, Cambridge CB2 8BS, UK (for U.K. and elsewhere).

**2019 Subscription Information:** *International Journal of Technology Assessment in Health Care* (ISSN 0266-4623) is

published bimonthly in February, April, June, August, October, and December by Cambridge University Press, One Liberty Plaza, Floor 20, New York, NY 10006; Cambridge University Press, Journals Fulfillment Department, UPH, Shaftesbury Road, Cambridge CB2 8BS, UK. Annual institutional subscription rates for Volume 35 (2019): Institutions online only US \$623.00, and online only UK and elsewhere £358.00. Individuals online only US \$361.00, and online only UK and elsewhere £203.00. Single part: US \$119.00 in the U.S.A., Canada and Mexico; UK £69.00 and elsewhere. Online only for all institutions. Print editions ceased in 2014. Back volume prices are available upon request. *International Journal of Technology Assessment in Health Care* and other Cambridge journals can be found at <http://journals.cambridge.org>

### © Cambridge University Press 2019

All rights reserved. No part of this publication may be reproduced, in any form or by any means, electronic or otherwise, without permission in writing from Cambridge University Press. Policies, request forms, and contacts are available at: <http://www.cambridge.org/rights/permissions.permission.htm>

Permission to copy (for users in the U.S.A.) is available from Copyright Clearance Center, <http://www.copyright.com>, email: [info@copyright.com](mailto:info@copyright.com).

Postmaster: Send address changes in the U.S.A. and Canada to: *International Journal of Technology Assessment in Health Care*, Journals Department, Cambridge University Press, One Liberty Plaza, Floor 20, New York, NY 10006, U.S.A. Send address changes elsewhere to: *International Journal of Technology Assessment in Health Care*, Cambridge University Press, Journals Fulfillment Department, UPH, Shaftesbury Road, Cambridge CB2 8BS, UK.

**Founding Editors:** Egon Jonsson and Stanley J. Reiser

## CONTENTS

### Perspectives

- 77 Adaptive evolution in rapid assessments: A 25-year perspective  
*Paula Corabian, Bing Guo, Carmen Moga and N. Ann Scott*
- 82 Addressing health system values in health technology assessment: The use of evidence-informed deliberative processes  
*Wija Oortwijn and Philip Klein*

### Methods

- 85 Hurdle Poisson regression model for identifying factors related to noncompliance and waiting time for confirmatory diagnosis in colorectal cancer screening  
*Hsiao-Hsuan Jen, Tsung-Hsi Wang, Han-Mo Chiu, Szu-Min Peng, Chen-Yang Hsu, Sherry Yueh-Hsia Chiu, Sam Li-Sheng Chen, Amy Ming-Fang Yen, Yi-Chia Lee, Hsiu-Hsi Chen and Jean Ching-Yuan Fann*
- 92 Toward a strategy to involve patients in health technology assessment in Spain  
*Ana Toledo-Chávarri, Yolanda Alvarez-Perez, Yolanda Triñanes, Lilisbeth Perestelo-Pérez, Mireia Espallargues, Matilde Palma and Pedro Serrano-Aguilar*
- 99 Methods assessing sociocultural aspects of health technologies: Results of a literature review  
*Anne Kathrin Stich, Kati Mozygamba, Kristin Bakke Lysdahl, Lisa Maria Pfadenhauer, Bjørn Hofmann, Gert-Jan van der Wilt and Ansgar Gerhardus*
- 106 Assessing data sources for medicine price studies  
*Sabine Vogler and Peter Schneider*

### Assessments

- 116 Is stratification testing for treatment of chronic obstructive pulmonary disease exacerbations cost-effective in primary care? An early cost-utility analysis  
*Lucy Abel, Helen A. Dakin, Nia Roberts, Helen F. Ashdown, Chris C. Butler, Gail Hayward, Ann Van den Bruel, Philip J. Turner and Yaling Yang*
- 126 Cost-effectiveness analysis of sunitinib versus interferon-alfa for first-line treatment of advanced and/or metastatic renal cell carcinoma in Singapore  
*Sil-ling Pruis, Mohamed Ismail Abdul Aziz, Fiona Pearce, Min Han Tan, David Bin-Chia Wu and Kwong Ng*
- 134 “What is the efficacy of specialised early intervention in mental health targeting simultaneously adolescents and young adults?” An HTA  
*Angela Ly, Gilbert A. Tremblay and Sylvie Beauchamp*
- 141 Cost-effectiveness of pain management strategies in advanced cancer  
*David M. Meads, John L. O’Dwyer, Claire T. Hulme, Rocio Rodriguez Lopez and Michael I. Bennett*
- 150 How do smart device apps for diabetes self-management correspond with theoretical indicators of empowerment? An analysis of app features  
*Nicola Brew-Sam and Arul Chib*
- 160 How do pharmaceutical companies model survival of cancer patients? A review of nice single technology appraisals in 2017  
*Daniel Gallacher, Peter Auguste and Martin Connock*