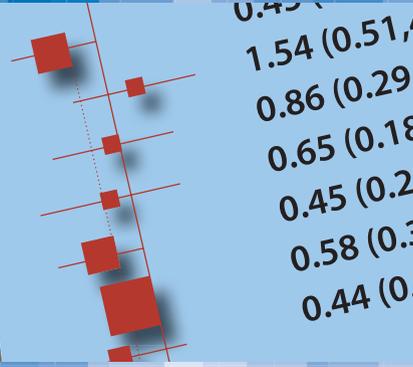
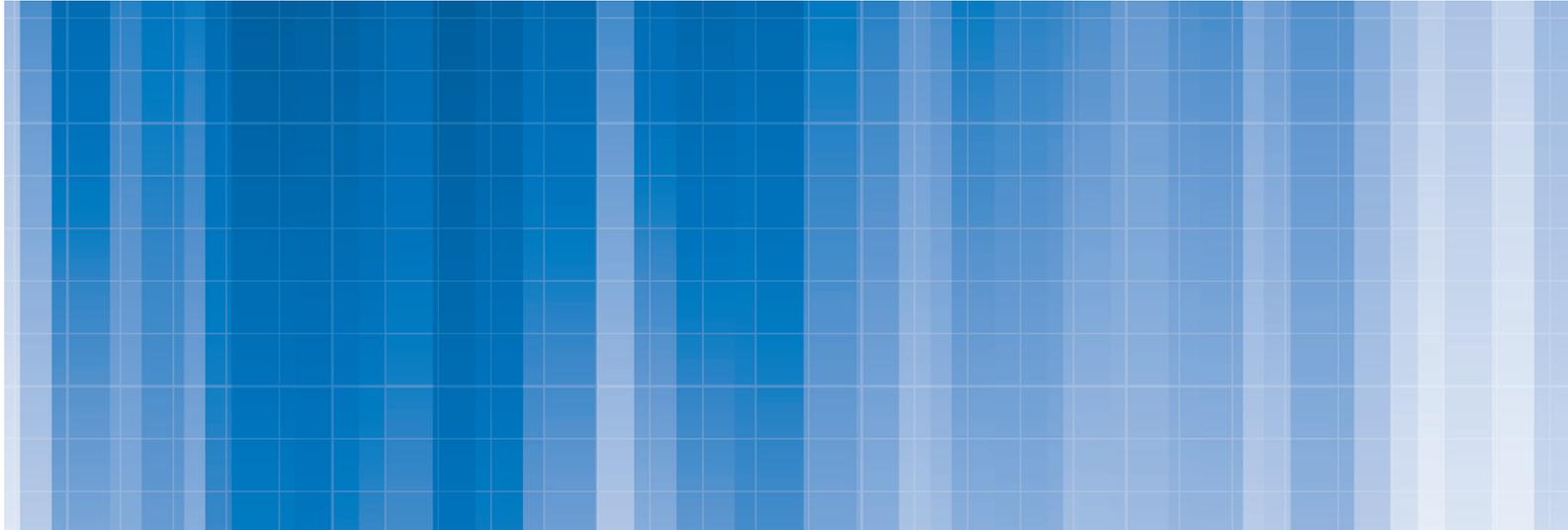


# International Journal of Technology Assessment in Health Care



**CAMBRIDGE**  
UNIVERSITY PRESS

INTERNATIONAL JOURNAL OF TECHNOLOGY ASSESSMENT IN HEALTH CARE VOL. 27, NO. 4 PAGES 273-406 OCTOBER 2011 CAMBRIDGE

# International Journal of Technology Assessment in Health Care

*Official Journal of Health Technology Assessment International*

---

## Editor-in-Chief

**Marjukka Mäkelä, M.D., Ph.D., M.Sc.**

Research Professor, FINOHTA (Finnish Office for Health Technology Assessment)  
at THL (National Institute for Health and Welfare)  
P.O. Box 30  
00271 Helsinki, Finland  
Telephone: +358 20 610 7290; Fax: +358 20 610 7278  
Email: marjukka.makela@thl.fi

**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, 32 Avenue of the Americas, New York, NY 10013-2473, U.S.A. (for U.S.A., Canada, and Mexico); or Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK (for U.K. and elsewhere).

**2011 Subscription Information:** *International Journal of Technology Assessment in Health Care* (ISSN 0266-4623) is published quarterly in January, April, July, and October by Cambridge

University Press, 32 Avenue of the Americas, New York, NY 10013-2473; Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK. Annual institutional subscription rates for Volume 28 (2012): Print and online US \$580.00, online only US \$485.00, and print only US \$545.00 in the U.S.A., Canada, and Mexico; Print and online UK £327.00, online only UK £278.00, and print only UK £303.00 elsewhere. Individual rates: Print and online US \$281.00 and print only US \$255.00 in the U.S.A., Canada, and Mexico; Print and online UK £164.00 and print only UK £144.00 elsewhere. Prices include postage; air mail or registered mail is extra. Single part: US \$152.00 in the U.S.A., Canada, and Mexico; UK £86.00 elsewhere. 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 2011

All rights reserved. No part of this publication may be reproduced, in any form or by any means, electronic, photocopying, 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).

Periodicals postage paid at New York, NY, and additional mailing offices.

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, 100 Brook Hill Drive, West Nyack, NY 10994-2133, U.S.A. Send address changes elsewhere to: *International Journal of Technology Assessment in Health Care*, Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK.

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

## CONTENTS

### EDITORIAL

- 273 Patient-focused HTAs  
*Karen Facey and Helle Ploug Hansen*

### ASSESSMENTS

- 275 Cost-effectiveness of a lifestyle intervention in preventing Type 2 diabetes  
*Lisa Irvine, Garry R. Barton, Amy V. Gasper, Nikki Murray, Allan Clark, Tracey Scarpello, and Mike Sampson*
- 283 Willingness to pay for a cardiovascular prevention program in highly educated adults: A randomized controlled trial  
*Nele Jacobs, Ruben Drost, Andre Ament, Silvia Evers, and Neree Claes*
- 290 Cost-effectiveness of a cervical screening program with human papillomavirus vaccine  
*Elizaveta Sopina and Toni Ashton*
- 298 Complications in immediate breast reconstruction after mastectomy  
*Alberto Jiménez-Puente, Elisa Prieto-Lara, Antonio Rueda-Domínguez, Claudio Maañón-Di Leo, Nicolás Benítez-Parejo, Francisco Rivas-Ruiz, Francisco J. Medina-Cano, and Emilio Perea-Milla*

### METHODS

- 305 Different methods for ethical analysis in health technology assessment: An empirical study  
*Samuli I. Saarni, Annette Braunack-Mayer, Bjørn Hofmann, and Gert Jan van der Wilt*

### POLICIES

- 313 The role of health technology assessment in coverage decisions on newborn screening  
*Katharina E. Fischer, Scott D. Grosse, and Wolf H. Rogowski*

### LETTER

- 322 Coverage with evidence development: Merit for motherhood?  
*Pedro Koch*

### THEME: PATIENTS AND PUBLIC IN HTA

- 324 Knowledge in health technology assessment: Who, what, how?  
*Tine Tjørnhøj-Thomsen and Helle Ploug Hansen*
- 330 Patient aspects: A review of fifty-eight Danish HTA reports  
*Helle Ploug Hansen, Anne Lee, and Christian Balslev van Randwijk*
- 337 Consumer perspectives in surgical research and audit  
*Eleanor Ahern, Prema Thavaneswaran, Wendy Babidge, and Guy J. Maddern*
- 343 An uneven spread: A review of public involvement in the National Institute of Health Research's Health Technology Assessment program  
*Rebecca Moran and Peter Davidson*
- 348 Choosing health technology assessment and systematic review topics: The development of priority-setting criteria for patients' and consumers' interests  
*Hilda Bastian, Fueloep Scheibler, Marco Knelang, Beate Zschorlich, Mona Nasser, and Andreas Waltering*
- 357 Decision aid for women considering breast cancer screening  
*Iris Pasternack, Ulla Saalasti-Koskinen, and Marjukka Mäkelä*

- 363** Health technology assessment–based development of a Spanish breast cancer patient decision aid  
*Fátima Izquierdo, Javier Gracia, Mercedes Guerra, Juan Antonio Blasco, and Elena Andradas*
- 369** Integrating patients' views into health technology assessment: Analytic hierarchy process (AHP) as a method to elicit patient preferences  
*Marion Danner, J. Marjan Hummel, Fabian Volz, Jeannette G. van Manen, Beate Wiegard, Charalabos-Markos Dintsios, Hilda Bastian, Andreas Gerber, and Maarten J. IJzerman*
- 376** News and social media: Windows into community perspectives on disinvestment  
*Jackie M. Street, Sophie E. Hennessy, Amber M. Watt, Janet E. Hiller, and Adam G. Elshaug*
- 384** Methods of synthesizing qualitative research studies for health technology assessment  
*Nicola Ring, Karen Ritchie, and Ruth Jepson*
- 391** The GRIPP checklist: Strengthening the quality of patient and public involvement reporting in research  
*Sophie Staniszewska, Jo Brett, Carole Mockford, and Rosemary Barber*

#### LETTERS

- 400** Can a health professional represent patient views?  
*Claire Packer*
- 401** Can a health professional represent patient views: HTA response  
*Ken Paterson*
- 401** Can a health professional represent patient view: Patient organization response  
*Durhane Wong-Rieger*
- 402** Can a health professional represent patient views: Industry response  
*David Grainger*
- 402** Response: I know how you think, so I can help  
*Albert J. Jovell*
- 403** Who can and who should represent the patient?  
*Björn Hofmann and Samuli I. Saarni*

- 404** **VOLUME INDEX**

# International Journal of Technology Assessment in Health Care

## Editor-in-Chief

**Marjukka Mäkelä, M.D., Ph.D., M.Sc.**

Research Professor, FINOHTA (Finnish Office for Health Technology Assessment)  
at THL (National Institute for Health and Welfare), P.O. Box 30, 00271 Helsinki, Finland  
Telephone: +358 20 610 7290; Fax: +358 20 610 7278  
Email: marjukka.makela@thl.fi

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

## Editorial Board

**Toni Ashton, Ph.D.**, *University of Auckland, Auckland, New Zealand*  
**Christel Bahtsevani, R.N., Ph.D.**, *Malmö University, Malmö, Sweden*  
**David Banta, M.D., M.P.H.**, *University of Maastricht, Maastricht, The Netherlands*

**Jeremiah A. Barondess, M.D.**, *New York Academy of Medicine, New York, New York, U.S.A.*

**Renaldo N. Battista, M.D., Sc.D.**, *University of Montreal, Montreal, Quebec, Canada*

**Paul Blomqvist, M.D., Ph.D.**, *The Karolinska Institute, Stockholm, Sweden*

**John Bridges, Ph.D.**, *Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, U.S.A.*

**James Brophy, M.D., Ph.D.**, *McGill University, Montreal, Quebec, Canada*

**Reinhard Busse, Dr. med., M.P.H., F.F.P.H.**, *Technische Universität, Berlin, Berlin, Germany*

**Martin Buxton, B.A. (Soc. Sci.)**, *Brunel University, London, United Kingdom*

**Jie Chen, Ph.D.**, *School of Public Health, Fudan University, Shanghai, China*

**Irina Cleemput, Ph.D.**, *KCE—Belgian Health Care Knowledge Center, Brussels, Belgium*

**Michael F. Drummond, Ph.D.**, *University of York, York, United Kingdom*

**Karen Facey, Ph.D., B.Sc.(Hons), C.Stat., Hon.M.F.P.H.**, *University of Glasgow, Glasgow, Scotland*

**David Feeny, Ph.D.**, *Kaiser Permanente Northwest, Portland, Oregon, U.S.A.*

**Pedro Gallo, M.A., M.Sc., Ph.D.**, *University of Barcelona, Barcelona, Spain*

**Clifford Goodman, Ph.D.**, *The Lewin Group, Falls Church, Virginia, U.S.A.*

**David Hailey, Ph.D.**, *University of Queensland, Brisbane, Queensland, Australia*

**Akinori Hisashige, M.D., Ph.D.**, *Institute of Healthcare Technology Assessment, Tokushima, Japan*

**Pwee Keng Ho, M.B.B.S., M.Med., F.A.M.S.**, *Ministry of Health, Singapore*

**Maarten J. IJzerman, Ph.D.**, *University of Twente, Enschede, The Netherlands*

**Philip Jacobs, Ph.D.**, *University of Alberta, Edmonton, Alberta, Canada*

**Bengt Jönsson, Ph.D.**, *Stockholm School of Economics, Stockholm, Sweden*

**Minna Kaila, M.D., Ph.D.**, *National Institute for Health and Welfare, Helsinki, Finland*

**Gisele Kobelt, Ph.D.**, *European Health Economics SAS, Mulhouse, France*

**Frédéric Lavoie, M.Sc., Ph.D.**, *Pfizer, Quebec, Canada*

**Nguyen Hoang Long, M.D., Ph.D.**, *Ministry of Health, Hanoi, Vietnam*

**M. David Low, M.D., Ph.D.**, *University of Texas, Houston, Texas, U.S.A.*

**Guy Maddern, Ph.D., M.S., M.D.**, *University of Adelaide, ASERNIP-S Royal Australasian College of Surgeons, Stepney, South Australia, Australia*

**Sumit R. Majumdar, M.D., M.P.H.**, *University of Alberta, Edmonton, Alberta, Canada*

**Deborah Marshall, Ph.D.**, *University of Calgary, Calgary, Alberta, Canada*

**Ruairidh Milne, M.B., B.S., F.P.H.**, *University of Southampton, Southampton, United Kingdom*

**Elias Mossialos, M.D., Ph.D.**, *London School of Economics and Political Science, London, United Kingdom*

**Duncan Neuhauser, Ph.D.**, *Case Western Reserve University, Cleveland, Ohio, U.S.A.*

**Tom Noseworthy, M.D., M.Sc., M.P.H.**, *University of Calgary, Calgary, Alberta, Canada*

**Wija J. Oortwijn, Ph.D.**, *Macro & Sector Policies, Rotterdam, The Netherlands*

**Andrew D. Oxman, M.D., M.Sc.**, *Norwegian Knowledge Centre for the Health Services, Oslo, Norway*

**James Raftery, Ph.D.**, *University of Southampton's School of Medicine, Southampton, United Kingdom*

**John-Arne Rottingen, Ph.D.**, *Norwegian Knowledge Centre for the Health Services, Oslo, Norway*

**Adolfo Rubinstein, M.D., M.Sc., Ph.D.**, *Institute for Clinical Effectiveness and Health Policy, Buenos Aires, Argentina*

**Laura Sampietro-Colom, M.D., Ph.D.**, *Office for Assessment of Innovations and New Technologies, Barcelona, Spain*

**Joshua Shemer, M.D.**, *Tel Aviv University, Israeli Center for Health Technology Assessment, Sheba Medical Center, Tel Hashomer, Israel*

**Uwe Siebert, Ph.D.**, *UMIT—University for Health Sciences, Medical Informatics and Technology; Hall, Austria*

**Harri Sintonen, Ph.D.**, *University of Helsinki, Finnish Office for Health Technology Assessment, Helsinki, Finland*

**Jane E. Sisk, Ph.D.**, *National Center for Health Statistics, Centers for Disease Control and Prevention, Hyattsville, Maryland, U.S.A.*

**Rod Taylor, M.Sc., Ph.D.**, *Peninsula Medical School, Universities of Exeter & Plymouth, Exeter, United Kingdom*

**Sean Tunis, M.D., M.Sc.**, *Center for Medical Technology Policy, San Francisco, California, and Johns Hopkins University and Stanford University School of Medicine, Baltimore, Maryland, U.S.A.*

**Gert Jan van der Wilt, Ph.D.**, *Vrije Universiteit, Amsterdam and Radboud University Medical Centre, Nijmegen, The Netherlands*

**Milton C. Weinstein, Ph.D.**, *Harvard School of Public Health, Boston, Massachusetts, U.S.A.*

**David K. Whyne, Ph.D.**, *School of Economics, University of Nottingham, Nottingham, United Kingdom*

**Bertrand Xerri, M.D.**, *French National Agency for Health, Saint Denis, Paris, France*

**Terhi Ilonen, HCS**, *Production and Manuscript Assistant*