

World Scientific Series in Global Health Economics and Public Policy



World Scientific Handbook of Global Health Economics and Public Policy

The Economics of Health and Health Systems

Edited by Richard M. Scheffler University of California, Berkeley, USA

"Understanding global health economics and policy has never been so important. This remarkable three volume collection of chapters is sure to become the standard on health economics and health policy around the world."

> **David Cutler**, Otto Eckstein Professor of Applied Economics, Harvard University

"These three volumes provide a comprehensive collection of cutting-edge, evidence and analysis on some of the most important economic issues facing the health sector written by some of the best in the field. This Handbook is an invaluable contribution to the field of health economics."

Tim Evans, World Bank, Senior Director of Health, Nutrition

"This impressive opus is setting the tone in Global Health Economics for the years to come. A reference book with a guaranteed extended shelf life for both learners and doers."

Agnes Soucat MD, Phd, Director Health Systems, Governance and Financing, World Health Organization

"The comprehensive range of topics addressed, the evidencebased approach and the eminence of contributors makes this global handbook a must have resource for newcomers in the field as well as for established experts."

Valerie Paris, Senior Economist, OECD Health Division

"An outstanding collection of some of the best work in global health economics. Indispensable."

Julian Le Grand - Professor, London School of Economics

"Never before has such a wide-ranging and thorough collection by leading scholars in global health economics been assembled. Scholars and policymakers alike will gain key insights into this burgeoning field."

Tom Rice, Distinguished Professor, UCLA Fielding School of Public Health

"An impressively comprehensive and wide-ranging compendium of information, insights, and thoughtful opinion, this compendium fills an important gap, bringing together perspectives from economics and health thinkers."

David de Ferranti, President and Co-founder of Results for Development





Richard M Scheffler is a Distinguished Professor of Health Economics and Public Policy at the School of Public Health and the Goldman School of Public Policy at the University of California, Berkeley. He also holds the Chair in Healthcare Markets & Consumer Welfare endowed by the Office of the Attorney General for the State of California. Dr Scheffler is director of the Global Center for Health Economics and Policy Research. He has been a visiting professor at the London School of Economics, Charles University in Prague, Department of Economics at the University Pompeu Fabra in Barcelona, and at Carlos III University of Madrid, Spain. Dr Scheffler has been a visiting scholar at the World Bank, the Rockefeller Foundation in Bellagio, and the Institute of Medicine at the National Academy

of Sciences, and has been a consultant for the World Bank, the WHO, and the OECD. He has been a Fulbright Scholar at Pontifica Universidad Católica de Chile in Santiago, Chile (2012–2013), and at Charles University, Prague, Czech Republic (1993); and he was awarded the Chair of Excellence Award at the Carlos III University of Madrid in 2013. In 2015 Dr. Scheffler was awarded the Gold Medal from Charles University in Prague, Czech Republic for his continued support of international scientific and educational collaboration.

Editorial Assistant: Jessica D. Foster, MPH

Featured Contributors

The following experts and their colleagues provide critical analyses and relevant data for further exploration and research.

Volume 1 – The Economics of Health and Health Systems: Edit V Velényi, World Bank; Thomas E Getzen, International Health Economics Association (iHEA); Richard Smith, London School of Hygiene & Tropical Medicine; Alexander S Preker, Columbia University; Joseph Kutzin, World Health Organization; Guillem López-Casasnovas, Pompeu Fabra University; Alistair McGuire, London School of Economics and Political Science; Camilo Cid Pedraza, Pontificia Universidad Católica de Chile; Mark Sculpher, University of York; Marisol Rodríguez, University of Barcelona; and William H Dow, University of California, Berkeley.

Volume 2 – Health Determinants and Outcomes: Audrey Laporte, University of Toronto; Ayda Yurekli, World Health Organization; Douglas E Hough, John Hopkins University; Marko Vujicic, Health Policy Resources Center at the American Dental Association; Flavia Bustreo, World Health Organization; Martin Knapp, London School of Economics and Political Science; Franco Sassi, Organisation for Economic Co-operation and Development (OECD); Adam Oliver, London School of Economics and Political Science; Kathryn A Phillips, University of California, San Francisco; Marcella Alsan, Stanford University Medical School; Lorenzo Rocco, University of Padova; and Catherine R Lau, Carthage College.

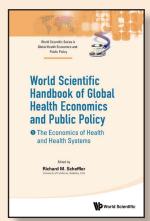
Volume 3 – Health System Characteristics and Performance: Tor Iversen, University of Oslo; Peter Berman, Harvard University; Pedro Pita Barros, Universidade Nova de Lisboa; Richard M Scheffler, University of California, Berkeley; Jed Friedman, World Bank; Barbara McPake, Nossal Institute for Global Health at University of Melbourne; Panos Kanavos, London School of Economics and Political Science; Wolf H Rogowski, Helmholtz Center Munich, Institute of Health Economics and Health Care Management; Joanne Spetz, University of California, San Francisco; Johanna Hanefeld, London School of Hygiene & Tropical Medicine; Sheila D Smith, Office of the Actuary (OACT) at the Centers for Medicare and Medicaid Services (CMS).

■ 2 www.worldscientific.com WORLD SCIENTIFIC

VOLUME 1 The Economics of Health and Health Systems

covers topics such as the financing of health systems, measuring and forecasting health care costs, resource allocation and health system performance

- 1. Healthcare Spending and Economic Growth (Edit V Velényi)
- 2. Macroeconomics, Trade and Health (Richard Smith, Marcus Keogh-Brown and Johanna Hanefeld)
- 3. Measuring and Forecasting Global Health Expenditures (Thomas E Getzen)
- Economics of Financing Health Care (Alexander S Preker, Sherry Glied, Dov Chernichovsky and Marisa Gil Lapetra)
- 5. Alternative Financing Strategies for Universal Health Coverage (Joseph Kutzin, Winnie Yip and Cheryl Cashin)
- Global Risk-Adjusted Payment Models (Camilo Cid, Randall P Ellis, Verónica Vargas, Juergen Wasem and Lorena Prieto)
- Resource Allocation and Priority Setting in Health Care Systems (Guillem Lopez-Casasnovas and Laura Pellisé-Urquiza)
- 8. Estimating Health Care Treatment Costs: Problems and Solutions (Alistair McGuire and Maria Raikou)
- 9. Incentivizing Health Care Utilization and Health Outcomes (William H Dow, Justin S White and Stefano M Bertozzi)
- Economic Evaluation of Healthcare Programs and Interventions: Applications to Low- and Middle-Income Countries (Paul Revill, Beth Woods and Mark J Sculpher)
- 11. Inequalities and Inequities in Health and Health Care (Marisol Rodríguez and Rosa Urbanos-Garrido)



VOLUME 2 Health Determinants and Outcomes

covers aging, mental health, obesity, smoking, as well as women's and children's health

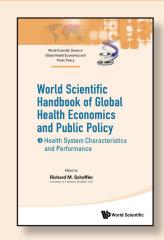
- 1. Mental Health (Martin Knapp and Valentina lemmi)
- 2. Aging and Long Term Care (Audrey Laporte and Meghan McMahon)
- 3. Dental Care (Marko Vujicic, Eduardo Bernabé, Daniela Garbin Neumann, Carlos Quiñonez and Elizabeth Mertz)
- Personalized Medicine: Economic Evaluation and Evidence (Kathryn A Phillips, Ken Redekop and Katherine Payne)
- 5. Social Capital and Health (Lorenzo Rocco and Eline Aas)
- 6. Economics of Tobacco Control and Health (Ayda Yurekli, Nigar Nargis, Mark Goodchild, Chonlathan Visaruthvong, Sophia Delipalla, Evan Blecher, Anne-Marie Perucic, Teh-Wei Hu, Anita Lee and Frank Chaloupka)
- 7. Health Effects of Alcohol Consumption (Catherine Lau and Alex Lau)
- 8. The Health Impacts of Obesity (Franco Sassi, Marion Devaux and Michele Cecchini)
- 9. The Economics of Women's Health in Low- and Middle- Income Countries: A Life Cycle Approach (Marcella Alsan, Afsan Bhadelia, Patricia Foo, Corinna Haberland and Felicia Knaul)
- 10. The Role of Policy Making for Investing in Women's and Children's Health (Flavia Bustreo, Jennifer Franz-Vasdeki, Shyama Kuruvilla, Blerta Maliqi and Rachael Hinton)
- 11. Behavioral Economics: Health Applications in the US (Douglas E Hough)
- 12. Behavioral Economics: Health Applications in the UK (Adam Oliver)

World Scientific Handbook of Global Health Economics and Public Policy Health Determinants and Outcomes Grand by Richard M. Scheffler Chandrol Calens, Ending, U.S.

VOLUME Health System Characteristics and Performance

covers primary care, hospital performance and quality, global human resources for health, and the education and training of health professionals, medical technology, and innovation in health care

- 1. Hospital Quality and Performance Around the Globe (Barbara McPake)
- 2. Global Human Resources for Health (Joanne Spetz, Michelle S Téllez and Brent D Fulton)
- 3. Impact and Costs of Pharmaceuticals and Biotechnology (Panos Kanavos)
- 4. Technological Innovation in Health Care: A Global Perspective (Sheila Smith)
- 5. Primary Care: Effectiveness and Costs (Tor Iversen)
- 6. Health Systems Performance (Peter Berman)
- Pay for Performance in Health Systems: Theory, Evidence and Case Studies (Jed Friedman and Richard Scheffler)
- 8. Medical Tourism (Johanna Hanefeld, Richard Smith and Thinakorn Noree)
- 9. Public-Private Partnerships (Pedro Pita Barros and Rui Sousa Monteiro)
- 10. Translational Health Economics (Wolf Rogowski, Jürgen John and Maarten J Ijzerman)



WORLD SCIENTIFIC www.worldscientific.com 3 ▶

World Scientific Series in Global Health Economics and Public Policy

World Scientific Handbook of Global Health Economics and Public Policy (A 3-Volume Set)

Volume 1: The Economics of Health and Health Systems

Volume 2: Health Determinants and Outcomes

Volume 3: Health System Characteristics and Performance

edited by Richard M. Scheffler

(University of California, Berkeley, USA)

This is a new, comprehensive and evidence-based resource on global health economics and public policy. It offers innovative policy alternatives and solutions.

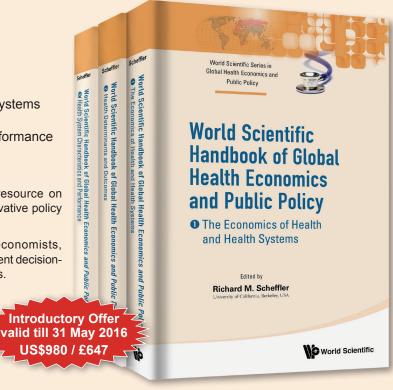
Readership: Health economics students, health economists, policymakers, private sector companies, NGOs, government decision-makers and individuals who manage healthcare systems.

1620pp Jan 2016

978-981-4612-31-9 US\$1,200 £792

US\$980 £647

978-981-4612-32-6(ebook) US\$1,560 £1,030



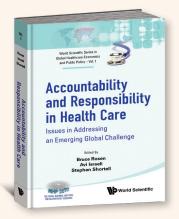


Scan this QR code or visit www.worldscientific.com/worldscibooks/10.1142/9200 for details.

World Scientific Series in Global Health Economics and Public Policy

www.worldscientific.com/series/wssghepp

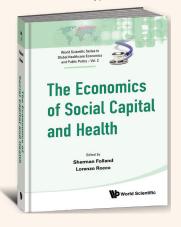
Series Editor-in-Chief: Richard M Scheffler (University of California, Berkeley)





Accountability and Responsibility in Health Care

Issues in Addressing an Emerging Global Challenge edited by Bruce Rosen (Myers-JDC-Brookdale Institute, Israel), Avi Israeli (Hebrew University — Hadassah Faculty of Medicine, Israel) & Stephen Shortell (University of California, Berkeley, USA)



Vol. 2

The Economics of Social Capital and Health

A Conceptual and Empirical Roadmap edited by **Sherman Folland** (Oakland University, USA) & **Lorenzo Rocco** (University of Padova, Italy)

Recommend Your Library to Order!

For orders or enquiries, please contact any of our offices below or visit us at: www.worldscientific.com

NORTH & SOUTH
 AMERICA

World Scientific Publishing Co. Inc.

27 Warren Street, Suite 401-402, Hackensack, NJ 07601, USA Fax: 1-201-487-9656 Tel: 1-201-487-9655 Email: sales@wspc.com

• EUROPE & THE MIDDLE EAST

World Scientific Publishing (UK) Ltd.

c/o Marston Book Services, P O Box 269, Abingdon, Oxon OX14 4YN, UK Fax: 44 (0) 123 546 5555 Tel: 44 (0) 123 546 5500 Email: direct.orders@marston.co.uk

 ASIA & THE REST OF THE WORLD World Scientific Publishing Co. Pte. Ltd.

5 Toh Tuck Link SINGAPORE 596224 Fax: 65 6467 7667 Tel: 65 6466 5775 Email: sales@wspc.com.sg

* Prices subject to change without prior notice