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This book provides an introduction to decision analytic cost-effectiveness modelling, giving the theoretical and practical knowledge required to design and implement analyses that meet the methodological standards of health technology assessment organisations. The book guides you through building a decision tree and Markov model and, importantly, shows how the results of cost-effectiveness analyses are interpreted. Given the complex nature of cost-effectiveness modelling and the often unfamiliar language that

runs alongside it, we wanted to make this book as accessible as possible whilst still providing a comprehensive, in-depth, practical guide that reflects the state of the art – that includes the most recent developments in cost-effectiveness modelling. Although the nature of cost effectiveness modelling means that some parts are inevitably quite technical, across the 13 chapters we have broken down explanations of theory and methods into bite-sized pieces that you can work through at your own pace; we have provided explanations of terms and methods as we use them. Importantly, the exercises and online workbooks allow you to test your skills and understanding as you go along.

Dr Richard Edlin, PhD is a Senior Lecturer based within the Health Systems section of the School of Population Health, University of Auckland, New Zealand. Richard has published within both economics- and clinically-focused journals, including the top field journals in health economics. Much of his research involves cost-effectiveness analysis. Richard leads teaching on postgraduate cost effectiveness. Professor Christopher McCabe, PhD, holds a Capital Health Endowed Research Chair at the University of Alberta, having previously held Chairs at the Universities of Leeds, Warwick and Sheffield. He is on the health economics working group for Canadian Agency for Drugs and Technologies in Health (CADTH). He has acted as a consultant for public and private sector organizations in Europe, North America and Australasia; most notably with NICE in the UK. His primary research interest is in the development of efficient research and development processes for biotherapies and devices in the context of value based reimbursement market access hurdles.

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