1. Record Nr. UNINA9911020014103321 Autore Willan Andrew Roger <1947-> Titolo Statistical analysis of cost-effectiveness data / / Andrew R. Willan, Andrew H. Briggs Chichester, England;; Hoboken, NJ,: John Wiley, c2006 Pubbl/distr/stampa **ISBN** 9786610649945 9781280649943 1280649941 9780470856284 0470856289 9780470856277 0470856270 Descrizione fisica 1 online resource (212 p.) Collana Statistics in practice Altri autori (Persone) BriggsAndrew H Disciplina 658.1554015195 Cost effectiveness - Statistical methods Soggetti Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references (p. [183]-192) and indexes. Nota di contenuto Statistical Analysis of Cost-effectiveness Data; Contents; Preface; 1 Concepts; 1.1 Introduction; 1.2 Cost-Effectiveness Data and the Parameters of Interest; 1.3 The Cost-Effectiveness Plane, the ICER and INB; 1.4 Outline; 2 Parameter Estimation for Non-Censored Data; 2.1 Introduction; 2.2 Cost; 2.2.1 Sample Means for Estimating Incremental Cost; 2.2.2 Using Multiple Regression Models; 2.2.3 Transformation (and the Retransformation Problem); 2.2.4 Generalized Linear Models: 2.2.5 Two-Part Models for Excess Zeros; 2.2.6 Cost Prediction Models; 2.3 Effectiveness; 2.3.1 Probability of Surviving 2.3.2 Mean Survival Time2.3.3 Mean Quality-Adjusted Survival Time; 2.3.4 Mean Quality-Adjusted Survival: Controlling for Baseline Utility; 2.4 Summary: 3 Parameter Estimation for Censored Data: 3.1 Introduction; 3.2 Mean Cost; 3.2.1 Direct (Lin) Method; 3.2.2 Inverse-Probability Weighting; 3.3 Effectiveness; 3.3.1 Probability of Surviving; 3.3.2 Mean Survival Time: 3.3.3 Mean Quality-Adjusted Survival Time:

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## Sommario/riassunto

The statistical analysis of cost-effectiveness data is becoming increasingly important within health and medical research. Statistical Analysis of Cost-Effectiveness Data provides a practical book that synthesises the huge amount of research that has taken place in the area over the last two decades. Comprising an up-to-date overview of the statistical analysis of cost-effectiveness data, the book is supported by numerous worked examples from the author's own experience. It has been written in a style suitable for medical statisticians and health care professionals alike. Key features