



Contents

Chapter 1: Introduction	9
Chapter 2: Handling of missing data in questionnaires in epidemiological studies: a systematic review	23
Chapter 3: Missing data on a multi-item questionnaire are best handled by multiple imputation at the item score level	39
Chapter 4: Multiple imputation at the item score level when the number of items is very large	57
Chapter 5: Analyzing incomplete item scores in longitudinal data by including item score information as auxiliary variables	75
Chapter 6: Including auxiliary item information to handle missing questionnaire data in two longitudinal data examples	107
Chapter 7: Handling missing data in sub-costs in a cost effectiveness analysis	131
Chapter 8: General discussion	153
Abbreviations and symbols	167
Summary English	171
Samenvatting Nederlands	177
Dankwoord Acknowledgment	183
Publication list	189
Curriculum vitae	193