

Contents

| | |
|------------------------------|------------|
| <i>Contributors</i> | <i>ix</i> |
| <i>Foreword</i> Alan Pearson | <i>xi</i> |
| <i>Preface</i> | <i>xv</i> |
| <i>Acknowledgments</i> | <i>xix</i> |
| <i>Reviewers</i> | <i>xxi</i> |

PART I. INTRODUCTION 1

1. Systematic Review as the Basis for Evidence-Based Practice 3
Susan W. Salmond and Cheryl Holly
2. Steps in the Systematic Review Process 13
Susan W. Salmond

PART II. A FRAMEWORK FOR CONDUCTING SYSTEMATIC REVIEWS 33

3. Planning and Organizing a Systematic Review 35
Cheryl Holly
4. Developing Clinical Questions for Systematic Review 55
Marie K. Saimbert, Jenny Pierce, and Pam Hargwood

PART III. SEARCHING AND APPRAISING THE LITERATURE 75

5. Key Principles for Searching Literature 77
Marie K. Saimbert
6. Resources and Techniques to Maximize Search Efforts 105
Marie K. Saimbert, Jenny Pierce, Pam Hargwood, and John T. Oliver
7. Critical Appraisal 147
Susan W. Salmond

PART IV. METHODS FOR SYSTEMATIC REVIEWS 163

8. Systematic Review of Experimental Evidence: Meta-Analysis 165
Cheryl Holly
9. Systematic Review of Observational Evidence 189
Cheryl Holly
10. Qualitative Metasynthesis 209
Susan W. Salmond
11. Systematic Review of Economic Evidence 237
Cheryl Holly

| | |
|---|------------|
| PART V. USING SYSTEMATIC REVIEWS IN PRACTICE | 253 |
| 12. Systematic Reviews and Evidence-Informed Health Care Policy Making | 255 |
| <i>David Anthony Forrester, Rita Musanti, and Patricia Polansky</i> | |
| 13. Using Systematic Reviews at the Point of Care | 271 |
| <i>Ronell Kirkley</i> | |
| 14. Future Developments of Systematic Reviews and Evidence-Based Medicine | 291 |
| <i>Jos Kleijnen</i> | |
| Appendix A: A Toolkit for Systematic Review | 297 |
| Appendix B: Guidelines Sources | 307 |
| Appendix C: Social Science and Biomedical Science Grey Literature | 309 |
| Appendix D: Dissertations and Theses Databases | 311 |
| Appendix E: Answer Keys to Chapter Exercises | 315 |
| <i>Index</i> | 323 |