

# CONTENTS

<i>Preface</i>	xiii
Sonja A. Rasmussen and Richard A. Goodman	
<i>Acknowledgments</i>	xvii
<i>About the Editors</i>	xix
<i>Contributors</i>	xxi
<b>PART I: THE FIELD INVESTIGATION</b>	
<b>1. Defining Field Epidemiology</b>	3
<i>Richard A. Goodman, James W. Buehler, and Joshua A. Mott</i>	
<b>2. Initiating Operations</b>	21
<i>Duc J. Vugia, Richard A. Goodman, James L. Hadler, and Danice K. Eaton</i>	
<b>3. Conducting a Field Investigation</b>	33
<i>Michael E. King, Diana M. Bensyl, Richard A. Goodman, and Sonja A. Rasmussen</i>	
<b>4. Collecting Data</b>	53
<i>Katrina Hedberg and Julie Maher</i>	
<b>5. Using Technologies for Data Collection and Management</b>	71
<i>Janet J. Hamilton and Richard S. Hopkins</i>	
<b>6. Describing Epidemiologic Data</b>	105
<i>Robert E. Fontaine</i>	
<b>7. Designing and Conducting Analytic Studies in the Field</b>	135
<i>Brendan R. Jackson and Patricia M. Griffin</i>	

<b>8. Analyzing and Interpreting Data</b>	153
<i>Richard C. Dicker</i>	
<b>9. Optimizing Epidemiology–Laboratory Collaborations</b>	187
<i>M. Shannon Keckler, Reynolds M. Salerno, and Michael W. Shaw</i>	
<b>10. Collecting and Analyzing Qualitative Data</b>	213
<i>Brent Wolff, Frank Mahoney, Anna Leena Lohiniva, and Melissa Corkum</i>	
<b>11. Developing Interventions</b>	229
<i>James L. Hadler, Jay K. Varma, Duc J. Vugia, and Richard A. Goodman</i>	
<b>12. Communicating During an Outbreak or Public Health Investigation</b>	243
<i>Abbigail J. Tumpey, David Daigle, and Glen Nowak</i>	
<b>PART II: SPECIAL CONSIDERATIONS</b>	
<b>13. Legal Considerations</b>	263
<i>James D. Holt, Sudevi Navalkar Ghosh, and Jennifer R. Black</i>	
<b>14. Coordination of Multiple States and Federal Agencies</b>	281
<i>Timothy Jones and Craig Hedberg</i>	
<b>15. Multinational Outbreak Investigations</b>	295
<i>Frank Mahoney and James W. Le Duc</i>	
<b>16. Emergency Operations Centers and Incident Management Structure</b>	307
<i>Jeffrey L. Bryant, Daniel M. Sosin, Tim W. Wiedrich, and Stephen C. Redd</i>	
<b>17. Geographic Information System Data</b>	319
<i>Stephanie Foster, Erica Adams, Ian Dunn, and Andrew Dent</i>	
<b>18. Healthcare Settings</b>	341
<i>Bryan E. Christensen and Ryan P. Fagan</i>	
<b>19. Community Congregate Settings</b>	363
<i>Amra Uzicanin and Joanna Gaines</i>	
<b>20. Exposures and Conditions of Acute Environmental Origin</b>	375
<i>Sharon M. Watkins and Jerry Fagliano</i>	

<b>21. Occupational Disease and Injury</b>	393
<i>Kathleen Kreiss and Kristin J. Cummings</i>	
<b>22. Natural and Human-Made Disasters</b>	409
<i>Ronald Waldman</i>	
<b>23. Acute Enteric Disease Outbreaks</b>	421
<i>Ian T. Williams, Laura Whitlock, and Matthew E. Wise</i>	
<b>24. Suspected Intentional Use of Biologic and Toxic Agents</b>	437
<i>Stephen Papagiotas and Kelly Shannon</i>	
<b>25. Suicide, Violence, and Other Forms of Injury</b>	449
<i>Joseph E. Logan and James A. Mercy</i>	
<i>Index</i>	467