## CONTENTS

*Figures and Tables* xi  
*Preface* xiii  
*Acknowledgments* xxiii  
*The Authors* xxix  

**Introduction: Crime, Criminal Justice, Health, and Victims** xxxiii  
  Levels of Theoretical Analysis xxxxiv  
  Why the Meso Is Important xxxvii  
  Revising the Epidemiological Trinity xliii  
  Hosts, Agents, Agency, and Behavior xlviii  
  Risk, Deviance, Crime, and Health 1  
  Summary lv  

### PART ONE FOUNDATION FOR AN EMERGING PARADIGM:  
Epidemiological Criminology

<table>
<thead>
<tr>
<th>Chapter 1 Establishing a Historical Framework for Epidemiological Criminology</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>The War on Poverty</td>
<td>6</td>
</tr>
<tr>
<td>The War on Crime</td>
<td>11</td>
</tr>
<tr>
<td>The War on Drugs</td>
<td>18</td>
</tr>
<tr>
<td>The War on Terror</td>
<td>22</td>
</tr>
<tr>
<td>Conclusion</td>
<td>24</td>
</tr>
<tr>
<td>Summary</td>
<td>24</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 2 Where Two Worlds Collide: Toward an Integrated Theory of Epidemiological Criminology</th>
<th>27</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roots and Forks in the Road</td>
<td>28</td>
</tr>
<tr>
<td>History</td>
<td>29</td>
</tr>
<tr>
<td>Determining When or Where to Start an Investigation</td>
<td>31</td>
</tr>
<tr>
<td>Defining an Emerging Paradigm</td>
<td>35</td>
</tr>
</tbody>
</table>
# CONTENTS

Epidemiological Criminology 47  
Conclusion 50  
Summary 52

Chapter 3  The Lexicon of Terminology: Developing an Emerging Paradigm 57  
Scientific and Practice Integration: Building an Emerging Paradigm 59  
Theories and Models: An Integrative Paradigm 60  
Theories and Models: Framing the Paradigm 64  
Units of Analysis 68  
Health and Crime: Biomedical and Behavioral Disparities 69  
Prevention Interventions 70  
Causation: The Epidemiologic Triad 72  
Conclusion 73  
Summary 73

## PART TWO  THEORIES, CONCEPTS, AND METHODS

Chapter 4  Criminology, Criminal Justice, and the Social Sciences 79  
Criminology 79  
Criminal Justice 80  
Where Does That Leave Epidemiological Criminology? 81  
Public Health 82  
Lessons from the Foundation of Sociology 89  
Conclusion 92  
Summary 92

Chapter 5  Research Methods in Epidemiology and Criminology: A Bridge Between? 95  
Surveillance or Monitoring? 96  
Monitoring, Surveillance, and Epidemiological Criminology 99  
Method, Technique, and Theory 100  
The Evidence Base 102  
In the Field and on the Streets 103  
Conclusion 104  
Summary 104

Chapter 6  Integrating the Interdisciplinary Sciences: Theoretical Foundations of the Epidemiological Criminology Framework 107  
Criminogenics: The Evidence Base of Individual Criminal Behavior 108
Contents

Propensity Versus Typology: How Changeable Are Criminogenics? 109
Dynamic Risks 110
Implications for Public Health Interventions 113
Social Learning and Social Structure: Moving Evidence to the
Next Social Levels 113
Epidemiological Criminology Implications for Public
Health Interventions 118
Conclusion 121
Summary 122

Part Three  Applying Epidemiological Criminology
In Practice and Policy

Chapter 7  Health Disparities and Epidemiological Criminology 129
Health Disparities 132
Conceptualizing Criminogenic Health Disparities 137
Conceptualizing Epidemiological Criminology and Disparities 141
Conclusion 143
Summary 144

Chapter 8  Incarceration and Epidemiological Criminology 147
The Organizational Ecology of Incarceration 149
Incarceration by Police 152
Juvenile Detention: A Snapshot 155
The Process of Incarceration 156
The Epidemiology of Incarceration: The Importance of Process
Criminal Records 164
Conclusion 166
Summary 166

Chapter 9  The Health of Correctional Populations 169
Competing Images: Magic Castles and Houses of Horror 169
Juvenile Detention 171
Jail 172
Health of Jail Inmates 173
Health of Prisoners 176
HIV: An Exemplar of Where One Looks and How
Reentry to the Community 190
Implications for Epidemiological Criminology 192
Conclusion 193
Summary 193
### Chapter 10  Recidivism and Epidemiological Criminology

- **Why Measure Recidivism?** 198
- **Defining and Measuring Recidivism** 199
- **How Much Recidivism?** 201
- **Who Returns to Prison?** 204
- **Jails and Recidivism** 205
- **Health Recidivism** 206
- **Conclusion** 208
- **Summary** 209

### Chapter 11  Gang Violence and Adolescent Membership

- **Biopsychosocial and Environmental Determinants** 214
- **Micro-, Meso-, and Macroinfluences** 218
- **Epidemiology of Gangs and Gang Violence** 221
- **An Integrated Approach** 226
- **Health Behavior and Criminal Behavior** 228
- **Biomedical Disparities and Behavioral Disparities** 230
- **Conclusion** 232
- **Summary** 232

### Chapter 12  Criminality, Substance Abuse, and Mental Health:

- **An Epidemiological Criminology Framework** 237
- **Criminalization** 237
- **Mental Illness, Crime, and Criminal Justice** 239
- **Mental Illness and Epidemiological Criminology** 243
- **Substance Abuse** 244
- **Substance Abuse and Epidemiological Criminology** 246
- **Conclusion** 249
- **Summary** 250

### Chapter 13  Victims and Victimization

- **Victims and Victimology** 256
- **The Academy Discovers Victims** 258
- **The Role of Place: Geography and Victimization** 259
- **Routine Activities** 259
- **The Health Industrial Complex Discovers Victims** 260
- **Measuring Victims** 262
- **Violence and Epidemiological Criminology** 264
- **Conclusion** 265
- **Summary** 266
## PART FOUR  FUTURE DIRECTION AND TRENDS

| Chapter 14 | Environmental Justice and the Epidemiology of Crime | 271 |
| Segregation and Health | 277 |
| Residential Segregation and Criminal Behavior | 281 |
| Environmental Justice and Epidemiological Criminology | 283 |
| Conclusion | 285 |
| Summary | 285 |

| Chapter 15 | Global and Domestic Terrorism | 289 |
| Epidemiology of Terrorism | 291 |
| Epidemiological Criminology as an Integrated Paradigm | 294 |
| Biopsychosocial and Environmental Makeup of Terrorism and Terrorists | 297 |
| Micro-, Meso-, and Macroinfluences | 300 |
| Health Behavior and Criminal Behavior | 302 |
| Biomedical Disparities and Behavioral Disparities | 304 |
| Conclusion | 306 |
| Summary | 306 |

| Chapter 16 | Criminal Law, Public Health Law, and the Epidemiological Criminology Framework | 311 |
| Criminal Law, Public Health Law, and Social Control | 314 |
| Whose Interests? | 321 |
| Law and Epidemiological Criminology | 325 |
| Values | 326 |
| Conclusion | 330 |
| Summary | 331 |

| Chapter 17 | International Human Rights and Human Trafficking | 335 |
| What Is a Right? | 335 |
| Does the Epidemiological Criminology Framework Fit Human Rights? | 338 |
| A General Model of Trafficking | 340 |
| Trafficking Networks | 343 |
| Individual Traffickers and Individual Victims | 344 |
| Responding to Human Trafficking from an Epidemiological Criminology Framework | 347 |
| Conclusion | 348 |
| Summary | 349 |

References | 353 |
Further Reading | 387 |
Index | 391 |
FIGURES AND TABLES

Figures

Figure I.1  Risk, Deviance, Crime, and Health Framework  li
Figure 1.1  U.S. Policy Strategies Since the 1960s  5
Figure 1.2  Crime and Poverty Rates, 1960–2009  8
Figure 1.3  Outcome of Exposure to Poverty or Crime  10
Figure 1.4  Relationship Between Criminal and Victim  17
Figure 2.1  Epidemiological Criminology Framework  50
Figure 3.1  Systematic Framework of Theory and Practice Relationship  64
Figure 3.2  Conceptual Model of Public Health and Criminal Justice Prevention  71
Figure 7.1  Broad Street Pump Sites and Cholera Cases: London Epidemic of 1854  133
Figure 8.1  Sequence of Events in the Criminal Justice System  150
Figure 11.1  B’MORE! Youth Gang Violence Prevention Strategies  228
Figure 11.2  Health Behavior and Criminal Behavior Prevention Model  229
Figure 14.1  An Environmental Justice Process from an Epidemiological Criminology Perspective  284
Figure 15.1  Terrorist Incidents in the United States, 1980–2005  293
Figure 15.2  A Conceptual Framework for Analyzing Terrorism and Terrorists from an Epidemiological Criminology Perspective  294
Figure 15.3  A Conceptual Framework for Organizing Prevention Interventions Across Behaviors and Interdisciplinary Theories from an Epidemiological Criminology Perspective  303
Tables

Table 1.1 Crime Rate and Drug Arrests, by Population and Year 20
Table 1.2 Percentage Changes by Years and Crime 21
Table 2.1 Relationship Between Public Health and Criminology Theory 51
Table 3.1 Selected Criminological Theories 60
Table 5.1 Comparison of Public Health and Criminal Justice Approaches to Violent Behavior and Prevention Levels 97
Table 8.1 Number of Crimes Officially Reported to Police, 1993–2008 153
Table 9.1 Medical Problems Reported by Jail Inmates and Prisoners, 2002 and 2004 (by Percentage) 174
Table 9.2 HIV Seroprevalence Studies in Correctional Systems 180
Table 10.1 Measuring Recidivism: A Comparison of National-Level Studies 202
Table 11.1 Gang Violence Prevention and Determinants Model 216
Table 11.2 Gang Membership and Gang Violence by Determinants and Level of Analysis 220
Table 11.3 Demographic Trends of Gang Members by Year (by Percentage) 223
Table 11.4 Demographic Characteristics of Gang Members by Area (by Percentage) 224
Table 12.1 Substance Dependence or Abuse and Mental Health Problems of Jail Inmates and Prisoners 240
Table 15.1 A Conceptual Framework for Comparative Analysis Between Domestic and International Terrorism from an Epidemiological Criminology Perspective of Determinants 299
Table 15.2 A Conceptual Framework for Comparative Analysis Across Micro-, Meso-, and Macroinfluences from an Epidemiological Criminology Perspective of Determinants 301
Table 15.3 Conceptual Model to Compare Disparities by Scientific Discipline 305
Table 16.1 Criminal and Civil Laws: Source, Process, and Penalty 314