Fourth Edition

DISASTER NURSINGAND EMERGENCY PREPAREDNESS

For Chemical, Biological, and Radiological Terrorism ther Hazards

Disaster nursing and em



TENER GOODVVIIN VEENEMA

SPRINGER PUBLISHING

See Code Inside

Brief Contents

Contributors xxiii
Reviewers xxix
Foreword xxxi
Foreword xxxiii
Foreword xxxv
Preface xxxvii
How to Use This Book xxxix
Editor's Note xli

SECTION !

DISASTER PREPAREDNESS

- 1. Essentials of Disaster Planning 3
- Leadership and Coordination in Disaster Healthcare Systems: the U.S. National Preparedness System 23
- 3. Hospital and Emergency Department Preparedness 51
- 4. Emergency Health Services in Disasters and Public Health Emergencies 67
- Emergency Medical Consequence Planning for Special Events, Mass Gatherings, and Mass Casualty Incidents 81
- Legal and Ethical Issues in Disaster Response 97

SECTION II

DISASTER MENTAL HEALTH AND HIGH-VULNERABILITY POPULATIONS

- Identifying and Accommodating High-Risk, High-Vulnerability Populations in Disasters 115
- Human Services in Disasters and Public Health Emergencies: Social Disruption,

- Individual Empowerment, and Community
 Resilience 139
- Understanding the Psychosocial Impact of Disasters 151
- Management of the Psychosocial Effects of Disasters 167
- Unique Needs of Children During Disasters and Other Public Health Emergencies 179
- 12. Disaster Nursing in Schools and Other Community Congregate Child Care Settings 209
- 13. Care of the Pregnant Woman and Newborn Following a Disaster 245

SECTION III

GLOBAL DISASTERS AND COMPLEX HUMAN EMERGENCIES

- 14. Disaster Nursing and the United Nations 2015 Landmark Agreements—A Vital Force for Change in the Field of Disaster Nursing 265
- **15.** Complex Humanitarian Emergencies 275
- Nursing in Disasters, Catastrophes, andComplex Humanitarian EmergenciesWorldwide 287
- 17. Natural Disasters 299
- **18.** Environmental Disasters and Emergencies 321
- 19. Restoring Public Health Under Disaster Conditions: Basic Sanitation, Water and Food Supply, and Shelter 337

- **20.** The Role of the Public Health Nurse in Disaster Response 355
- 21. Climate Change and Health: the Nurse's Role in Policy and Practice 367

SECTION IV

DISASTER RESPONSE

- 22. Disaster Triage 381
- 23. Disaster Management 399
- 24. Public Health Emergencies Involving
 Community Violence and Civil Unrest: Taking
 Planned Action 417
- 25. Management of Burn Mass Casualty Incidents 427
- **26.** Traumatic Injury Due to Explosives and Blast Effects 439
- 27. Caring for Patients With HIV Following a Disaster 449

SECTION V

DISASTER CAUSED BY CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL AGENTS

- **28.** Biological and Chemical Terrorism: A Unique Threat 467
- 29. Chemical Agents of Concern 483
- 30. Biological Agents of Concern 507
- 31. Surveillance Systems for Detection of Biological Events 525
- 32. Infectious Disease Emergencies 543
- 33. Medical Countermeasures Dispensing 555
- 34. Radiological Incidents and Emergencies 569
- **35.** Decontamination and Personal Protective Equipment 591

SECTION VI

SPECIAL TOPICS IN DISASTERS

- 36. U.S. National Disaster Nurse Readiness: Practice and Education for a Prepared Workforce 605
- 37. American Red Cross Disaster Health Services and Disaster Nursing: National Capability— Local Community Impact 617
- **38.** Directions for Disaster Nursing Research and Development 631
- 39. Improving Children's Health Outcomes Through Pediatric Disaster Research and Policy 647
- **40.** Information Technology in Disaster
 Management 659

Epilogue Disaster Recovery: Creating Healthy, Resilient, and Sustainable Communities After Disasters 671

Appendix I AT-A-GLANCE: Capability Definitions, Functions, and Associated Performance Measures 675

Appendix II Sequence for Putting on Personal Protective Equipment 681

Appendix III Glossary of Terms Commonly Used in Disaster Preparedness and Response 685

Appendix IV Creating a Personal Disaster Plan 693

Appendix V CDC's Public Health Emergency Preparedness Program: Every Response is Local 697

Appendix VI Radiation Infographics 701

Index 705