Contents

List of Contributors  page ix
Preface  xiii

Part I  Introduction
1 Individual and Community Responses to Disasters  1
Robert J. Ursano, Carol S. Fullerton, Lars Weisaeth, and Beverley Raphael

Part II  Foundations of Disaster Psychiatry
2 Epidemiology of Disaster Mental Health: The Foundation for Disaster Mental Health Response  27
Carol S. North
3 Disaster Ecology  44
James M. Shultz, Sandro Galea, Zelde Espinel, and Dori B. Reissman
4 Neurobiology of Disaster Exposure: Fear, Anxiety, Trauma, and Resilience  60
Lynnette A. Averill, Rebecca P. Smith, Craig L. Katz, Dennis S. Charney, and Steven M. Southwick
5 Trajectories of Health, Resilience, and Illness  76
Spruha Joshi and Magdalena Cerdá

Part III  Clinical Care and Interventions
6 Early Interventions for Trauma-Related Problems  87
Patricia J. Watson
7 Acute Stress Disorder and Posttraumatic Stress Disorder  101
David M. Benedek and Gary H. Wynn
8 Psychiatric Aspects of Medical–Surgical Disaster Care  124
Phebe Tucker and Ruchi Aggarwal
9 Collaborative Care Interventions for Acutely Injured Survivors of Individual and Mass Trauma  140
Kirsten Sandgren, Ella Jarvik, Doyanne Darnell, and Douglas Zatzick

Part IV  Special Topics
10 International Disaster Response  149
Virginia Murray, Richard Williams, and Sarb Johal
11 Risk Communication in Disasters: Promoting Resilience  162
Daniel Dodgen, William Hebert, and Rachel E. Kaul
12 The Unintended Consequences of Disaster-Related Media Coverage  181
Pauline Lubens and E. Alison Holman
13 Terrorism and Weapons of Mass Destruction  193
Joshua C. Morganstein, Robert J. Ursano, Carol S. Fullerton, and Harry C. Holloway
14 Children and Families Responding to Disaster and Bereavement  213
Gloria J. L. Whaley, William L. Cohen, and Stephen J. Cozza
15 Disaster Workers: Exposure to Mass and Traumatic Death  231
James E. McC Carroll and Quinn M. Biggs
Contents

16 Health Care Planning for Community Disaster Care 244
   Richard Williams, Jonathan I. Bisson, and Verity Kemp

17 Workplace and Organizational Disasters: Response and Planning 261
   Lars Weisaeth and Trond Heir

18 Pandemics: Health Care Emergencies 270
   Joshua C. Morganstein, Carol S. Fullerton, Robert J. Ursano, Darrin Donato, and Harry C. Holloway

19 Leadership in Disasters 285
   Brian W. Flynn, Prudence Bushnell, and Nicole Lurie

20 Nuclear Disaster Response 298
   Jun Shigemura, Nahoko Harada, Masaaki Tanichi, Masanori Nagamine, Kunio Shimizu, and Aihide Yoshino

21 Ethical Issues in Disaster Psychiatry 314
   Edmund G. Howe and Elana Newman

Part V Public Health and Disaster Psychiatry

22 Public Health and Disaster Mental Health: Preparing, Responding, and Recovering 325
   Carol S. Fullerton, Robert J. Ursano, Lars Weisaeth, and Beverley Raphael

Index 341