

PREVENTING WAR AND PROMOTING PEACE

Preventing War and Promoting Peace: A Guide for Health Professionals is an interdisciplinary study of how pervasive militarism creates a propensity for war through the influence of academia, economic policy, the defense industry, and the news media. Comprising contributions by academics and practitioners from the fields of public health, medicine, nursing, law, sociology, psychology, political science, and peace and conflict studies, as well as representatives from organizations active in war prevention, the book emphasizes the underlying preventable causes of war, particularly militarism, and focuses on the methods health professionals can use to prevent war. *Preventing War and Promoting Peace* provides hard-hitting facts about the devastating health effects of war and a broad perspective on war and health, presenting a new paradigm for the proactive engagement of health professions in the prevention of war and the promotion of peace.

WILLIAM H. WIIST holds a Courtesy Faculty appointment in Global Health at the College of Public Health and Human Sciences at Oregon State University. He previously served as Professor of Health Sciences and Senior Scientist in the Interdisciplinary Health Policy Institute at Northern Arizona University. He has been published in numerous journals, and he is editor or author of *The Bottom Line on Public Health, Case Studies on Corporations & Global Health Governance, Researching Corporations & Global Health Governance*; and chapters in *Sick Societies*. He is a member of the American Public Health Association and the Public Health Working Group on Primary Prevention of War.

SHELLEY K. WHITE is Assistant Professor of Public Health and Sociology and Program Director of the MPH in Health Equity at Simmons College. She is past Director of the Youth Ambassadors for Peace Program, in partnership with the Under-Secretary-General for the United Nations' Decade for Children and Armed Conflict. She founded and chairs the Public Health Working Group on Primary Prevention of War. She is co-editor of *Sociologists in Action: Sociology, Social Change and Social Justice* and *Sociologists in Action on Inequalities: Race, Class, Gender and Sexuality*, and has published in numerous journals.

PREVENTING WAR AND PROMOTING PEACE

A Guide for Health Professionals

EDITED BY

WILLIAM H. WIIST

Oregon State University

SHELLEY K. WHITE

Simmons College



CAMBRIDGE
UNIVERSITY PRESS

Cambridge University Press
978-1-107-14668-6 — Preventing War and Promoting Peace
Edited by William H. Wiist, Shelley K. White
Frontmatter
[More Information](#)

CAMBRIDGE UNIVERSITY PRESS

University Printing House, Cambridge CB2 8BS, United Kingdom
One Liberty Plaza, 20th Floor, New York, NY 10006, USA
477 Williamstown Road, Port Melbourne, VIC 3207, Australia
4843/24, 2nd Floor, Ansari Road, Daryaganj, Delhi – 110002, India
79 Anson Road, #06-04/06, Singapore 079906

Cambridge University Press is part of the University of Cambridge.
It furthers the University's mission by disseminating knowledge in the pursuit of
education, learning, and research at the highest international levels of excellence.

www.cambridge.org
Information on this title: www.cambridge.org/9781107146686
DOI: 10.1017/9781316551158

© Cambridge University Press 2017

This publication is in copyright. Subject to statutory exception
and to the provisions of relevant collective licensing agreements,
no reproduction of any part may take place without the written
permission of Cambridge University Press.

First published 2017

Printed in the United States of America by Sheridan Book, Inc.

A catalogue record for this publication is available from the British Library.

Library of Congress Cataloging-in-Publication Data

NAMES: Wiist, William H., editor. | White, Shelley K., editor.
TITLE: Preventing war and promoting peace : a guide for health professionals / edited by
William H. Wiist, Oregon State University, Shelley White, Worcester State University.
DESCRIPTION: Cambridge, United Kingdom ; New York, NY : Cambridge University
Press, 2018. | Includes bibliographical references and index.
IDENTIFIERS: LCCN 2017039919 | ISBN 9781107146686 (hardback)
SUBJECTS: LCSH: Medical personnel – Professional ethics. | War – Health
aspects. | Violence – Prevention.
CLASSIFICATION: LCC R725.5 .P74 2018 | DDC 610.7306/9–dc23
LC record available at <https://lcn.loc.gov/2017039919>

ISBN 978-1-107-14668-6 Hardback

Cambridge University Press has no responsibility for the persistence or accuracy of
URLs for external or third-party internet websites referred to in this publication
and does not guarantee that any content on such websites is, or will remain,
accurate or appropriate.

Cambridge University Press
978-1-107-14668-6 — Preventing War and Promoting Peace
Edited by William H. Wiist , Shelley K. White
Frontmatter
[More Information](#)

William H. Wiist dedicates this book to Cynthia M.G. W.

*Shelley K. White dedicates this book to future generations,
including Jarred, Kyle, Tyler, Arielle, Cameron, Brianna,
Mikayla, Joshua, Jack, Logan, Tyler, Joey, and Brookelyn.*

Contents

<i>List of Figures</i>	page x
<i>List of Tables</i>	xi
<i>List of Contributors</i>	xii
<i>Foreword</i>	xxiii
<i>Barry S. Levy and Victor W. Sidel</i>	
<i>Preface</i>	xxv
<i>Shelley K. White</i>	
<i>Acknowledgments</i>	xxxii
Introduction: Intersections of Militarism, Imperialism, and Corporate Power as Context for the Prevention of War and Promotion of Peace	I
<i>William H. Wiist</i>	
PART I THE HEALTH EFFECTS OF WAR AND WEAPONS OF WAR	17
1 The Effects of War on Combatants, Veterans, and Their Families	19
<i>Evan Kanter</i>	
2 The Health Effects of War on Civilians	34
<i>Kaveh Khoshnood, Bandy X. Lee, and Chanel Marin</i>	
3 The Consequences of War on the Natural Environment	48
<i>Michael J. Lawrence, Aaron J. Zolderdo, and Steven J. Cooke</i>	
4 Weapons of War and Mass Destruction	61
<i>Curtis Holland, Marjorie Cohn, Ira Helfand, and Jean Grassman</i>	
PART II SOCIAL DETERMINANTS OF WAR	75
5 The Normalization of Militarism and Propensity for War	77
<i>John Lindsay-Poland</i>	

viii	<i>Contents</i>	
6	Structural Violence and War: Global Inequalities, Resources, and Climate Change <i>Patrick T. Hiller</i>	90
7	Under What Conditions Does Ethnic Conflict Result in Armed Violence? <i>Clark McCauley and Joseph G. Bock</i>	103
8	The War Profiteers: Defense Contractors Driving the Permanent War Economy <i>Miriam Pemberton</i>	116
9	News as Entertainment: The Ultimate War Propaganda Machine, or Opportunity to Promote Peace? <i>Annabel McGoldrick</i>	129
10	The Quiet Military Buyout of Academia <i>Kathy Barker</i>	141
	PART III PREVENTING WAR AND PROMOTING PEACE	153
11	Use of Complex Systems Modeling to Strengthen Public Health's Role in Preventing War <i>William H. Wiist</i>	155
12	The Ethics of War and Peace in the Contemporary Era <i>Andrew Flesher</i>	169
13	The Role of International Law in Preventing War and Promoting Peace <i>Stuart Casey-Maslen</i>	180
14	Lessons from a Historical View of Health Organizations' Activism for the Prevention of War <i>Casey Hurrell</i>	192
15	A Gluttonous Military Budget Leaves our Social Welfare in Poor Health <i>Jonathan White</i>	205
16	Pacifism and Conscientious Objection: War Resistance in the United States <i>Geraldine Gorman</i>	217

<i>Contents</i>		ix
17	Countering Military Recruitment in High Schools <i>Amy Hagopian and Kathy Barker</i>	230
18	Civil Disobedience and Direct Action in the Prevention of War <i>Kurt Schock</i>	245
19	Advocacy Skills for the Primary Prevention of War <i>Regina A. Galer-Uni</i>	257
PART IV TEACHING AND RESEARCH IN THE HEALTH PROFESSIONS TOWARD THE PREVENTION OF WAR		271
20	Teaching and Learning Methods for Engaging Health Professionals in the Prevention of War <i>Shelley K. White</i>	273
	Box 20.1 Case Study: A “War and Health” Course <i>Amy Hagopian</i>	276
	Box 20.2 Radical Public Health: Engaging Campuses and Communities on War and Health <i>Wesley Epplin</i>	277
	Box 20.3 Literature and Art as Pedagogical Material for Teaching about Militarism and Peace <i>Martin Donoboe</i>	279
	Box 20.4 Service-Learning as Pedagogy for Peace Activism <i>Jonathan M. White</i>	280
	Box 20.5 Student-Led Conferences on War and Health <i>Rebecca Bartlein</i>	281
21	Conducting Health Research toward Preventing War and Promoting Peace <i>William H. Wiist</i>	286
	Box 21.1 Health Impact Assessment and the Prevention of War <i>Marion Birch, Ben Cave, Amy Hagopian, and Ruth Lindberg</i>	291
	<i>Appendix 1 Public Health Competencies for the Prevention of War</i>	303
	<i>Appendix 2 “War, Militarism, and Health: Toward Primary Prevention”: A Syllabus Outline</i> <i>Shelley K. White</i>	307
	<i>Appendix 3 Additional Resources</i>	313
	<i>Index</i>	323

Figures

7.1	Accumulations and flows of infection of armed ethnic violence	<i>page</i> 112
10.1	Conflicts of interest	143
11.1	Conceptual diagram of the networks of relationships between some fundamental causes of war and the health and environmental effects	159
17.1	Military recruiters at Garfield High School in Seattle, Washington	232
17.2	Advertisement placed by the Garfield High School PTSA in the <i>Garfield Messenger</i> , a student newspaper	239
20.1	Conceptual framework	282

Tables

17.1	Tips for counter-recruiting relevant federal policies and programs	<i>page</i> 238
18.1	Steps in a <i>satyagraha</i> campaign	251
21.1	Selected illustrative resources for research on militarism, corporate influence on democratic processes, social network analysis, and identification of collaborators and grants	289
21.2	Suggested research questions and topics for studying the prevention of war and the promotion of peace	295
Appendix 1	Public Health Competencies for the Prevention of War	303

Contributors

KATHY BARKER, BA, MS, PhD, is Clinical Assistant Professor in the Department of Health Services at the University of Washington in Seattle. She has authored several books on the culture of the laboratory and gives workshops and lectures on an activist approach to managing a laboratory. She has been a board member of Washington Truth in Recruiting for over twelve years and has written, spoken, and organized extensively on recruiting and militarism issues. Barker blogs at www.scientistsascitizens.org and is working on a book about scientists as social activists.

REBECCA BARTLEIN, MPH, is Program Manager of the tuberculosis team at the Bill and Melinda Gates Foundation. As a Fulbright-Clinton Public Policy Fellow (2012–2013) in Côte d'Ivoire's Ministry of Health, she worked to strengthen capacity in the wake of the civil war. She has worked with the International Organization for Migration in the Philippines resettling displaced persons (2007–2008) and served as a health education volunteer with the Peace Corps in Senegal (2005–2007). Becky received her MPH from the University of Washington (2010) and has a BA in International Affairs from The George Washington University (2004).

MARION BIRCH, MSc, PGDip, SRM, SRN is an Honorary Lecturer at University College London's Institute for Global Health. She was director of the global health charity Medact from 2005–2013, where she initiated Medact's work on health impact assessment and conflict, and developed online courses in medical peace work as part of an EU project. Prior to this Marion worked in public health programs in countries affected by conflict for 20 years. She is a past-President of the Catastrophes and Conflict Forum (Royal Society of Medicine) and on the editorial board of the journal *Medicine Conflict and Survival*.

List of Contributors

xiii

JOSEPH G. BOCK, PhD, is Director of the School of Conflict Management, Peacebuilding and Development at Kennesaw State University. He was previously at the Eck Institute for Global Health at the University of Notre Dame. His humanitarian work has included directing Catholic Relief Services' programs in Pakistan and Jerusalem/West Bank/Gaza Strip, and overseeing programs in Bosnia, Croatia, Guinea, Iraq, Kosovo, Liberia, Macedonia, Montenegro, Pakistan, Rwanda, Serbia, Sierra Leone, Thailand, and Uganda while serving as Vice President at American Refugee Committee. His most recent book is *The Technology of Nonviolence: Social Media and Violence Prevention*.

STUART CASEY-MASLEN, PhD, LL.M, MSc, is an academic specializing in the use of force under international law. He is Honorary Professor at the University of Pretoria and holds a doctorate in international humanitarian law and master's degrees in international human rights law and forensic ballistics. He wrote a legal commentary on the 1997 *Anti-Personnel Mine Ban Convention*, co-edited a commentary on the 2008 *Convention on Cluster Munitions*, and co-authored a commentary on the 2013 *Arms Trade Treaty*. He has worked on disarmament campaigns for the past twenty-five years.

BEN CAVE, BA hon, MSc, Hon MFPH, is Director at Ben Cave Associates Ltd; Conjoint Senior Lecturer, Centre for Primary Health Care and Equity at the University of New South Wales; and Honorary Fellow at the School of Environmental Sciences at the University of Liverpool. He has twenty years' experience of health and environmental assessment. He was the sole European member of the National Research Council/Institute of Medicine committee for a study on Health Impact Assessment in the USA (2009–2011). He is an advisor to the World Health Organization. In 2011 he received the International Association for Impact Assessment "Individual Award."

MARJORIE COHN, JD, is Professor Emerita at Thomas Jefferson School of Law, former President of the National Lawyers Guild, Deputy Secretary General of the International Association of Democratic Lawyers, and a member of the national advisory board of Veterans for Peace. Her books include *Drones and Targeted Killing: Legal, Moral, and Geopolitical Issues*; *The United States and Torture: Interrogation, Incarceration and Abuse*; *Rules of Disengagement: The Politics and Honor of Military Dissent*; and *Cowboy Republic: Six Ways the Bush Gang Has Defied the Law*. She lectures throughout the world on

human rights and US foreign policy and the contradiction between the two.

STEVEN J. COOKE, PhD, is Canada Research Chair and Professor of Environmental Science and Biology, Carleton University, Ottawa, Canada. Cooke is broadly interested in understanding and mitigating the effects of human activities on biodiversity and the environment.

MARTIN DONOHOE, MD, FACP, is Adjunct Faculty in the School of Community Health at Portland State University and a Senior Physician in Internal Medicine at Kaiser Permanente Sunnyside Hospital. He received his BS and MD from UCLA, completed his internship and residency at Brigham and Women's Hospital, and was a Robert Wood Johnson Clinical Scholar at Stanford University. He lectures and teaches courses on medical humanities, public health, social justice ethics, and women's studies. His slide shows, articles, syllabi, and information about his book *Public Health and Social Justice* can be found at www.publichealthandsocialjustice.org or www.phsj.org.

WESLEY EPLIN, MPH, is Director of Health Equity at Health and Medicine Policy Research Group, a Chicago nonprofit that improves the health of all Illinoisans by promoting health equity. He focuses on health reform and the healthcare safety net, health workforce policy reform, and public health. He is a co-founder and co-facilitator of Radical Public Health (RPH), a group at the University of Illinois School of Public Health that is made up of students, faculty, staff, alumni, and community members who seek to address the systemic, underlying causes of health inequities and to consider radical solutions.

ANDREW FLESCHER, MA, PhD, is Professor of Preventive Medicine and English at Stony Brook University, where he is core faculty in the Program in Public Health. He serves on Stony Brook's Organ Donor Council and Hospital Ethics Committee. Dr. Flescher received his BA in Medieval and Renaissance Studies and History from Duke University (1991) and his MA (1995) and PhD (2000) in Religious Studies from Brown University. He has authored four books: *Heroes, Saints, and Ordinary Morality*; *The Altruistic Species*; *Moral Evil*; and *The Organ Shortage Crisis in America*, in press. He is part of the Public Health Working Group on Primary Prevention of War.

REGINA A. GALER-UNTI, PhD, MCHES, teaches and studies advocacy as a mechanism for empowerment and social change. Galer-Uni is the

List of Contributors

xv

appointed Public Health Education and Health Promotion (PHEHP) section representative to the Action Board (advocacy and policy group) of the American Public Health Association and a past associate editor of the “Policy and Politics” section of *Health Promotion Practice*. Her work on advocacy has been published in a variety of professional journals and web reference sites and she is a regular speaker on the topic of advocacy at public health conferences and community events. Galer-Uni teaches at UCLA Extension.

GERALDINE GORMAN, PhD, RN, is Clinical Associate Professor in the College of Nursing at the University of Illinois, Chicago. Her teaching and scholarship focus on the intersection of war and public health and on the inclusion of the humanities in nursing education and practice. She is also interested in prison reform and integration support for returning citizens. In addition, she practices as a hospice nurse.

JEAN GRASSMAN, MS, PhD, CPH, is Associate Professor at the City University of New York’s Graduate School of Public Health and Health Policy. She studies the causes, detection and impact of chemical exposure in vulnerable populations. Her biological monitoring research encompasses both laboratory and field based projects focusing on topics ranging from persistent organic pollutants to artisanal gold mining. Recent projects examine the contemporary health risks stemming from migrant work and exposure to Agent Orange in Vietnam. She is a member of the Biological Exposure Indices Committee of ACGIH. She graduated from Environmental Health Sciences at the University of California-Berkeley.

AMY HAGOPIAN, MHA, PhD, is Director of a University of Washington MPH degree program, Community Oriented Public Health Practice, which employs problem-based learning and focuses on social justice determinants of public health. She led a team to estimate mortality associated with the 2003 invasion of Iraq, which involved surveying 2,000 households across Iraq. She has also researched the migration of health workers from poor countries to rich ones and works on homelessness and incarceration as health issues. She teaches health policy, program evaluation, public health skills, and a course on war and health.

IRA HELFAND, MD, is a co-founder and past president of Physicians for Social Responsibility and co-president of International Physicians for the Prevention of Nuclear War, the recipient of the 1985 Nobel Peace Prize. He has published articles on the medical consequences of nuclear

war in the *New England Journal of Medicine*, the *British Medical Journal*, the *World Medical Journal*, and *Medicine and Global Survival*. He practices internal medicine and urgent care medicine in Springfield, Massachusetts.

PATRICK T. HILLER, PhD, is a Conflict Transformation scholar. He is the Executive Director of the War Prevention Initiative by the Jubitz Family Foundation and Adjunct Instructor at the Conflict Resolution Program at Portland State University. He serves on the Executive Committee of the Governing Council of the International Peace Research Association and as Vice-President of the International Peace Research Association Foundation. He is on the Coordinating Committee of World Beyond War, the Board of Directors of the Oregon Peace Institute, a member of the Peace and Security Funders Group and the Peace and Justice Studies Association, and an advisor for *PeaceVoice*.

CURTIS HOLLAND, PhD, received his doctorate in sociology from Northeastern University. In the fall of 2017 he begins a new position as Assistant Professor of Criminal Justice at Mount Ida College in Newton, MA. His research focuses on issues of ethno-political conflict, peacebuilding, globalization, and inequality, and class, ethnic, and gender intersectionality.

CASEY HURRELL, PhD, MA, is a historian of medicine and public health. Her scholarship examines the histories of medical professionalism, international institutions, and health policy to explore the various ways in which policymakers and health professionals sought to determine the place of health and medical expertise in international diplomatic and institutional arrangements. The rhetorical and practical involvement of health professionals in the prevention of war was a major focus of her doctoral research about the Cold War period. She received her PhD at Queen's University in Ontario, Canada, and is currently working in health policy in Ottawa.

EVAN KANTER, MD, PhD, is a psychiatrist and neuroscientist specializing in the treatment of war trauma. He has treated US veterans with service ranging from World War II to the current conflicts in the Middle East. He conducted basic neuroendocrine research in posttraumatic stress disorder and helped develop a new medical treatment for traumatic nightmares. He has held faculty positions in the Schools of Medicine and Public Health at the University of Washington, where he teaches a "War and Health" course that approaches war using public health

List of Contributors

xvii

principles and methods. He is a past National President of Physicians for Social Responsibility.

KAVEH KHOSHNOOD, PhD and Associate Professor at Yale School of Public Health, is a co-founder of the Yale Violence and Health Study Group and a faculty member of the Conflict, Resilience, and Health Program at the Whitney and Betty MacMillan Center for International and Area Studies at Yale. Dr. Khoshnood is trained as an infectious disease epidemiologist and teaches a course for MPH students entitled “Responding to Violent Conflict: Epidemiological Methods and Public Health Interventions,” which focuses on application of epidemiological methods to understanding health consequences of violent conflicts, including infectious diseases, mental health, maternal/child health, and chronic health problems.

MICHAEL JAMES LAWRENCE is Hons BSc, MSc, and PhD candidate funded by NSERC, Department of Biology, Carleton University; Fish Ecology and Conservation Physiology Laboratory of Dr. Steven Cooke. His current research interests look to address how chronic stress influences metabolism and predator interactions in a wide diversity of sport-fish species. Secondly, he has an interest in military history and tactics as well as addressing environmental concerns of military activities on the natural environment. He is an avid recreational angler, scuba diver, and a lover of all things in the marine environment.

BANDY X. LEE, MD, MDiv, is on the faculty of the Law and Psychiatry Division and Global Health Studies at Yale University. She has consulted with the World Health Organization since its launch of the World Report on Violence and Health in 2002 and now heads the Academic Collaborators Group for its Violence Prevention Alliance. She is co-founder of Yale’s Violence and Health Study Group and has taught students representing asylum seekers at Yale Law School since 2003 as well as a comprehensive course on violence prevention of her design, after which she authored a textbook on this topic.

BARRY S. LEVY, MD, MPH, is Adjunct Professor of Public Health at Tufts University School of Medicine and a consultant in occupational and environmental health. He is a past president of the American Public Health Association and a recipient of its Sedgwick Memorial Medal. With Dr. Sidel, he has co-authored more than sixty journal articles and book chapters on the health impacts of war and related issues, co-edited two editions of *War and Public Health* and *Terrorism and Public Health*,

spoken extensively on these subjects, and endowed the APHA Award for Peace.

RUTH LINDBERG, MPH, MUP, is an officer for the Health Impact Project, a collaboration of the Robert Wood Johnson Foundation and The Pew Charitable Trusts that was designed to promote the use of health impact assessments (HIAs) and support the growth of the field in the United States. She has conducted HIAs on a range of topics, including proposed housing, transportation, education, and food and nutrition policies. Ms. Lindberg also serves on the steering committee of the Society of Practitioners of Health Impact Assessment, a membership organization that promotes excellence in HIA practice and supports new and established practitioners of HIA worldwide.

JOHN LINDSAY-POLAND is Wage Peace Coordinator of the American Friends Service Committee in San Francisco and has written about, researched, and advocated for human rights and demilitarization of US policy for more than thirty years. His research has focused on US foreign military assistance and military bases and respect for human rights. He previously served the Fellowship of Reconciliation as Latin America Program Coordinator, Research Director, and Founder of its Colombia peace team. He studied as an undergraduate at Harvard University. He is the author of *Emperors in the Jungle: The Hidden History of the U.S. in Panama*.

CHANEL MARIN, MPH, Yale School of Public Health, currently works in Juba, South Sudan, conducting needs assessments, providing monitoring and evaluation, and developing information products to facilitate decision making for humanitarian aid actors. She has six years of experience in sexual and gender-based violence, child protection, and youth development. She formerly worked in community development in Honduras and with unaccompanied children from Central America. Her graduate research focused primarily on the effects of violence on civilian populations.

CLARK MCCAULEY, PhD, is Research Professor of Psychology at Bryn Mawr College. His research interests include stereotypes, group dynamics, and the psychological foundations of genocide and terrorism. He is a co-author of *Why Not Kill Them All? The Logic and Prevention of Mass Political Murder* (2006), co-author of *Friction: How Radicalization Happens to Them and Us* (2011, 2nd edition 2016), and founding editor of the journal *Dynamics of Asymmetric Conflict: Pathways toward*

List of Contributors

xix

Terrorism and Genocide. He is a Lead Investigator with the National Consortium for Study of Terrorism and Responses to Terrorism (START) for research supported by the US Department of Homeland Security.

ANNABEL MCGOLDRICK, PhD, MA, Dip Psych, Dip Journalism, BA Hons, lectures at Sydney University, Australia, in the Department of Peace and Conflict Studies. She was a TV news reporter for SBS World News Australia and in the UK for Central TV, Yorkshire TV, and BBC radio. Annabel has over fifteen years' experience as a clinical psychotherapist specializing in the treatment of trauma. She is one of the most published and cited authors and an exponent of the discipline of Peace Journalism and its scholarship. She has conducted training courses for editors and reporters in the US, Turkey, Greece, Armenia, the Philippines, and Indonesia.

MIRIAM PEMBERTON, PhD, is a Research Fellow at the Institute for Policy Studies in Washington, DC, where she directs its Peace Economy Transitions Project. She co-chairs the working group that convenes Washington-based NGOs working on cutting unnecessary military spending. She is principal author of two report series: "A Unified Security Budget for the United States" (annually 2004–2012) and "Combat vs. Climate: The Military and Climate Security Budgets Compared" (2008, 2011, 2014, 2016), and co-editor of *Lessons From Iraq: Avoiding the Next War* (2008).

KURT SCHOCK, PhD, is Associate Professor of Sociology and Director of the International Institute for Peace, Rutgers University, Newark. He is the editor of *Civil Resistance: Comparative Perspectives on Nonviolent Struggle* (2015) and author of *Civil Resistance Today* (2015) and *Unarmed Insurrections: People Power Movements in Nondemocracies* (2005), which was awarded Best Book of the Year by the Comparative Democratization section of the American Political Science Association. He has published numerous works on nonviolent resistance, social movements, and violent political conflict.

VICTOR W. SIDEL, MD, is Adjunct Professor of Medical Ethics in Medicine and of Healthcare Policy and Research at Weill Cornell Medical College. He is a past President of the American Public Health Association, a recipient of its Sedgwick Memorial Medal, and a past President of Physicians for Social Responsibility. With Dr. Levy, he has co-authored more than sixty journal articles and book chapters on the

health impacts of war and related issues, co-edited two editions of *War and Public Health* and *Terrorism and Public Health*, spoken extensively on these subjects, and endowed the APHA Award for Peace.

JONATHAN WHITE, PhD, is Director of the Bentley Service-Learning and Civic Engagement Center and Associate Professor of Sociology at Bentley University. Professor White specializes in domestic and global inequality; political economy; human rights; public sociology; and war, peace, and genocide; and is actively involved with several related campaigns. Dr. White's co-authored books include *The Engaged Sociologist*, *Sociologists in Action* and *Sociologists in Action on Inequalities*. He is the recipient of several teaching awards and serves as Chair of the US board for the WE Movement. Additionally, Dr. White serves as Senior Consultant to the AP (Advanced Placement) with WE.org Service-Learning program.

SHELLEY K. WHITE, PhD, MPH, OTR, is Assistant Professor of Public Health and Sociology and inaugural Program Director of the MPH in Health Equity at Simmons College. As a scholar-activist, Dr. White studies, publishes on, and teaches about social movements and social justice, the politics of health and health policy, and socio-structural determinants of health, including the influences of corporations, trade, militarism, and social inequities on health. She has worked professionally in global health and HIV/AIDS policy, and is involved in local and global justice movements, including Human Rights Cities: Boston and Beyond, the People's Health Movement, WE Movement, and SocMed. She is past Director of the Youth Ambassadors for Peace Program in partnership with the Under-Secretary-General for the United Nations' Decade for Children and Armed Conflict. She is founding Chair of the Public Health Working Group on Primary Prevention of War, an international health collaborative working to prevent war.

WILLIAM H. WIIST, DHSc, MPH, MS, holds a Courtesy Faculty appointment in International Health in the College of Public Health and Human Sciences at Oregon State University. He retired as Professor of Health Sciences and Senior Scientist in the Interdisciplinary Health Policy Institute at Northern Arizona University. He has over forty years of postdoctoral experience as a university teacher, administrator, and researcher; an administrator in a large urban public health department; and executive director of a not-for-profit injury prevention organization.

List of Contributors

xxi

He has made numerous presentations at international, national, state, and local conferences and published articles about his research into intimate partner violence and youth violence, and the prevention of war. Dr. Wiist has participated in the Public Health Working Group on Primary Prevention of War since its founding. He is best known for his articles, teaching graduate course, conference presentations and book chapters about the influence of corporations on health policy and democracy, including editing and co-authoring *The Bottom Line or Public Health*.

AARON J. ZOLDERDO is a Queen Elizabeth II-funded PhD student at Carleton University in Dr. Steven Cooke's Fish Ecology and Conservation Physiology lab. His current research interests involve the evaluation of freshwater-protected areas as viable conservation strategies for managing freshwater sportfish. In addition, he has a diverse interest in military history including the influence that militarized conflicts have had on the environment. Aaron is an avid outdoorsman and is passionate about resource conservation and management.

Foreword

War causes much morbidity and mortality, directly and also indirectly by damaging the health-supporting infrastructure of society. War violates human rights and exacerbates social injustice. War destroys communities and sociocultural institutions. War damages the environment. War forces people to migrate. War diverts huge amounts of human and financial resources. And war leads to more violence. War and its long-term consequences may be the most important public health problem worldwide.

Prevention of war and the promotion of peace need to become the major priority of our global society. Prevention can take many forms, as demonstrated throughout this book. It includes achieving ceasefires and resolving violent conflicts that have already begun. It includes preventing imminent violent conflict from occurring, achieving resolution of disputes by non-violent means, and controlling conventional weapons and eliminating nuclear weapons and other indiscriminate weapons. And, by focusing “upstream,” it addresses underlying and precipitating factors that lead to war, ranging from socioeconomic inequalities to militarism.

New and continuing challenges make the prevention of war and the promotion of peace more difficult. These challenges include the emergence of non-state actors and insurgent groups, the complexity of intrastate conflicts, the roles of water scarcity and climate change in causing collective violence, the international arms trade, the use of unmanned armed drones, and the failure of our global society to adequately address the continuing threat of nuclear warfare.

Health professionals and others have a responsibility to help prevent war – by documenting the consequences of war on physical, mental, and sociocultural health; by informing the public and policymakers of these consequences; and by supporting policies and programs that promote peace. Health professionals and others can act individually or, more effectively, through international and national organizations, such as the

International Physicians for the Prevention of Nuclear War and its national affiliates throughout the world.

This valuable book provides a comprehensive and systematic review of the causes and the consequences of war. It provides a basis for curriculum development in educational and training programs for health professionals and others. And it provides a roadmap of how health professionals and others can help bring about a world without war and a culture of peace.

BARRY S. LEVY, MD, MPH
Sherborn, Massachusetts

VICTOR W. SIDEL, MD
New York, New York

Preface

War and militarism, and the call to prevent their calamitous health effects, are not new, and the genesis of this volume builds upon the work of generations of inspired health activists. Our hope in creating this book is that it will serve as a platform for action for generations of health activists to come, who, true to the roots of their professions and the codes of ethics that guide their practice, will work wholeheartedly to protect and extend human life, health, and well-being. In recognition of the existing, disproportionate, attention and effort directed to the aftermath of war and its health consequences, this book takes a decidedly different approach by directing our actions “upstream” to the prevention of war and militarism.

The journey to publishing this book began with two important moments that spurred the creation of the Public Health Working Group on Primary Prevention of War (referred to here as the “Working Group”). The Working Group formed in 2011, and has provided the intellectual and activist impetus for this work. In 2009, the American Public Health Association (APHA) passed a policy statement entitled “The Role of Public Health Practitioners, Academics and Advocates in Relation to Armed Conflict and War.” The policy frames war as one of the most significant threats to public health, and one which is “entirely preventable,” thereby requiring the concerted action of health professionals to proactively respond through primary, secondary, and tertiary prevention (APHA 2009). The Peace Caucus, in official relations with APHA, promoted the policy widely. A second inspiration for the Working Group came from Dr. Bernard Lown, Nobel Peace Prize recipient and co-founder of Physicians for Social Responsibility (PSR) and International Physicians for the Prevention of Nuclear War (IPPNW). As he approached his ninetyeth birthday, having spent a great deal of his lifetime working tirelessly – and successfully – to prevent war, he sought a research partner to examine public health’s commitment to this practice. I gladly joined him. Together with Jon Rodhe, we assessed how educational practices were preparing

future public health professionals to tackle the ongoing threats of war and militarism – and were dismayed by our findings. In a content analysis of the 2011–2012 curricula of the twenty top-ranked Schools of Public Health, we found that only 2% of the total 6,266 courses covered war and related topics, and a total of only four courses could be understood as advancing primary prevention (White, Lown, and Rohde 2013).

In presenting these findings at APHA's 2011 annual meeting, an unusual thing happened. Presenting to a packed audience, we urgently called on public health to move from a reactive to a proactive stance on war, and the paper received a standing ovation. It seemed clear that our call to action, along with APHA's recent policy statement, had hit a chord (White, Lown, and Rohde 2011). On the heels of this presentation, we gathered a small group of practitioners and academics interested in the issue, and together we formed the Working Group. My co-editor and many contributors to this book are original members, and since its inception, the Working Group has grown into an international, interdisciplinary, collaborative group of practitioners and academics from over a dozen universities. The overarching goal of the Working Group is to reframe the orientation of public health and related health professions from one that is *reactive* to war, responding to the process and aftermath of war, to one that is *proactive*, working to prevent war and to reveal patterns of militarism leading to war. Our work has included academic publications, curricular innovation, and advocacy both within and beyond academic spaces. (White 2017)

In 2014, nine members of the Working Group collaboratively published what could be considered akin to the "White Paper" for our work to date in the *American Journal of Public Health*. The article presented a rationale for preparing health professionals to prevent war, and advanced a comprehensive set of learning competencies (reprinted in this volume in Appendix 1) (Wiist et al 2014). The same year, Wiist (2014) expanded upon the use of complex systems modeling in war's prevention, reprinted herein as Chapter 11. Building on our work establishing a learning competency framework, the Working Group twice reached out with a direct solicitation to the deans of over 100 Schools and Programs of Public Health to request broader curricular coverage of the important topic of war's prevention, and received some enthusiastic, and indeed, grateful responses. To support curricular innovation, the group established a web resource, included in Appendix 3, to assist professors of health in designing content addressing war and its prevention, either as part of existing courses, stand-alone classes, conferences, one-time lectures, or to support student interest groups.

The Working Group has also engaged in advocacy through letter writing, for instance, addressing the Institute of Medicine (IOM) on its 2014 report titled “Preventing Psychological Disorders in Service Members and their Families.” Commissioned by the Department of Defense, the report includes no discussion of the importance of minimizing combat exposure by preventing war itself through diplomatic and non-violent means (Denning, Meisnere, and Warner 2014). The Working Group submitted a letter, signed by sixteen members – physicians, social workers, public health professionals, professors, and nurses – highlighting the IOM’s mission and conflict of interest policy and requesting that the IOM amend its report or issue a separate report considering the importance of prevention of war (Jon Rohde, letter submission to IOM via email, on behalf of the Working Group, April 6, 2014). The IOM’s decline of our request illustrates the unquestioned pervasiveness of militarism within our scientific institutions, as evidenced by its statement, “From our institution’s viewpoint, whether the reasons for going to war outweigh the deaths and injuries war causes is not a scientific question; it is a moral and political judgment. Because the decision to enter into a war is inherently a political and moral one, we would be unable to objectively provide any recommendations related to avoiding war as a preventive measure” (Laura Aiuppa Denning, Senior Program Officer, IOM; email message to Working Group member Dr. Jon Rohde, April 10, 2014). As our Working Group then pointed out in an attempted opinion editorial to the *New York Times*, “In both its report and response, the IOM failed to consider the vast scholarly literature on the effectiveness of peace-building, mediation, and peaceful conflict resolution in preventing war.” Ultimately, as the Working Group wrote, the track record of reports emerging from the IOM and other National Academies “conveys the assumption that perfecting the techniques of going to war is worthy of scientific analysis – but avoiding war is not” (Kathy Barker, op-ed submission to *New York Times*, on behalf of the Working Group, August 24, 2014).

While the Working Group was not successful in placing this op-ed, it has continued its attempts to publish op-eds as an important vehicle for exposing militarism and advocating against a culture of violence. Every year since its founding, the Working Group has also held sessions at the APHA annual meeting, thanks to the unwavering support of the Peace Caucus. Over the years, we have invited activists, including veterans, war tax resisters, street medics, and war surgeons, to join and lead our sessions and to inform our approach. Members have also given lectures far and wide at other professional conferences on militarism, war, and

prevention. The Working Group received coverage for its work and its impact from the Association of Schools and Programs of Public Health (2014) and the APHA's *The Nation's Health* (McGill 2014). In 2015, we deepened our international reach from our original membership representing the United States, Canada, and South Africa to the United Kingdom when a burgeoning ad-hoc working group reached out to us. In a similar spirit, this collective was advancing frameworks for war's prevention across public health institutions (Flecknoe and Nozad 2015). We began to collaborate and share resources, and recently this group successfully created a new "Global Violence Prevention" special interest group within the Faculty of Public Health, the professional organization for UK public health professionals.

On the foundation of this vibrant collaborative community, the Working Group embarked on visioning this book in early 2015, a vision to which many contributed. A primary goal of this book is to create a paradigm shift in how health professionals learn about, think about, and respond to the threat of war and armed conflict. As reflected in health professionals' education, most publications about war and health focus on what health professionals can do during or after war to assist victims, rebuild infrastructure, or ameliorate environmental damage; actions that fall within secondary or tertiary prevention. This book is distinctly focused on primary prevention, aiming to impart a rationale, rich context, and examples, as well as providing a toolkit for health professionals to work to prevent war before it occurs. Following the Introduction, which provides an historical analysis and rationale for the book's focus, Part I provides a brief but essential analysis of the health consequences of war, which can serve as an important foundation for preventing war. Understanding this content as the predominant focus of most publications, however, we dedicate the majority of the book to two important areas of content. First, Part II provides a detailed analysis of militarism and its various mechanisms and manifestations. As militarism is often covert and accepted as part of the dominant culture, we felt that this section was critically important to prepare health professionals for the prevention of war. Second, Parts III and IV are designed to impart practical tools health professionals can utilize to prevent war and militarism. In addition to offering many inspiring and instructive examples, contributors have detailed the types of analyses, strategies, and tactics health activists and peace scholars may employ.

Ultimately, this book and the broader work of the Working Group have been driven by an understanding that the work of public health and other health professionals must be driven by a common ethic and duty to protect and promote health first. The best way to do this vis-à-vis war is to

prevent its occurrence. Certainly, this is not a simple task, nor does it fall within the mainstream work of most health professions. Understanding and tackling the ubiquitous influence of militarism is political in nature, which is not a point of comfort for most health professionals (Everhart 2015). And yet improving the health of populations, and the determinants shaping it, has always been a political endeavor by nature, whether named as such or not. This work honors the roots of public health as a social movement and a social justice pursuit (Beauchamp 1976) and honors the deep and committed role of health activists from across the disciplines who, over the years, have understood the importance of questioning, deeply, the structural determinants producing and reproducing human suffering. These dedicated health professionals have understood the wisdom of Dr. Martin Luther King Jr.'s (2013) insight:

*Cowardice asks the question, is it safe?
 Expediency asks the question, is it politic?
 Vanity asks the question, is it popular?
 But, conscience asks the question, is it right? And there comes a
 time when we must take a position that is neither safe, nor politic,
 nor popular, but one must take it because it is right.*

SHELLEY K. WHITE
Boston, Massachusetts

References

- American Public Health Association. 2009. *The Role of Public Health Practitioners, Academics and Advocates in Relation to Armed Conflict and War*. Policy Number 20095. Accessed May 26, 2017. www.apha.org/policies-and-advocacy/public-health-policy-statements/policy-database/2014/07/22/13/29/the-role-of-public-health-practitioners-academics-and-advocates-in-relation-to-armed-conflict
- Association of Schools and Programs of Public Health. 2014. "Washington Contributes to Report that States Public Health Should Focus on Prevention of War" *Friday Letter*, May 30. Accessed May 26, 2017. www.aspph.org/washington-contributes-to-report-that-states-public-health-should-focus-on-prevention-of-war/
- Beauchamp, Dan E. 1976. "Public health as social justice." *Inquiry* 13(1): 3–14.
- Denning, Laura Aiuppa, Marc Meisnere, and Kenneth E. Warner. 2014. *Preventing Psychological Disorders in Service Members and Their Families: An Assessment of Programs*. Washington, DC: National Academies Press.

- Everhart, F. Jeannine, Emily Van Wasshenova, Rachel Mahas, Diane Kerr, Deborah Boardley, and Ann Thompson. 2015. "Health education faculty's perceptions and practices regarding advocacy." *American Journal of Health Studies* 30(4): 159–173.
- Flecknoe, Daniel and Bayad Nozad. 2015. "A Bold New Frontier for Primary Prevention?" Faculty of Public Health. Accessed May 26, 2017. <https://betterhealthforall.org/2015/10/13/a-bold-new-frontier-for-primary-prevention/>
- McGill, Natalie. 2014. "Peace Caucus pushes for war prevention." *The Nation's Health* 44(6). Accessed May 26, 2017. <http://thenationshealth.aphapublications.org/content/44/6/17.1.full>
- King, Martin Luther, Jr. 2013. "MLK Quote of the Week: Conscience Asks the Question." The King Center. May 23. Accessed May 26, 2017. www.thekingcenter.org/blog/mlk-quote-week-conscience-asks-question
- Wiist, W. 2014. "Use of complex systems modeling to strengthen public health's role in preventing war." *Medicine, Conflict and Survival* 30(3): 152–164.
- Wiist, William, Kathy Barker, Neil Arya, Jon Rohde, Martin Donohoe, Shelley White, Pauline Lubens, Gerry Gorman, and Amy Hagopian. 2014. "The role of public health in the prevention of war: Rationale and competencies." *American Journal of Public Health* 104(6): e34–e47.
- White, Shelley K. 2017. "Public Health and Prevention of War: The Power of Transnational, Transdisciplinary Collaboration." *Medicine, Conflict and Survival* 30(1): 1–9.
- White, Shelley K., Bernard Lown, and Jon E. Rohde. 2013. "War or health? Assessing public health education and the potential for primary prevention." *Public Health Reports* 128(6): 568–573.
- White, Shelley K., Bernard Lown, and Jon E. Rohde. 2011. "War or health? Assessing public health education and training and the potential for social change." Paper presented at the annual meeting of the American Public Health Association. Washington, DC, October 29–November 2.

Acknowledgments

First and foremost, we are tremendously appreciative of the vast expertise and great effort each contributor brought to this project. We are pleased with the broad interdisciplinary perspectives they offer, from public health, medicine, psychology and psychiatry, nursing, biology, neuroscience, sociology, history, political science, English and the humanities, law, and journalism. As their chapters and biographies evidence, they are an impressive group that is not only committed to teaching and scholarship on war's prevention, they also bring wisdom and insight from their advocacy and action countering war and militarism. We are enormously grateful to our fellow members of the Public Health Working Group on Primary Prevention of War, many of whom contributed to the vision and early outlines of this book: Neil Arya, Kathy Barker, Becky Bartlein, Marion Birch, Martin Donohoe, Wesley Epplin, Daniel Flecknoe, Andy Flescher, Bob Gould, Gerry Gorman, Amy Hagopian, Andy Kanter, Kaveh Khoshnood, Barry Levy, Pauline Lubens, Jon Rohde, Vic Sidel, and Patrice Sutton. Our Working Group provides an inspiring collaborative community for our ongoing work. We are grateful to the Peace Caucus, in official relations with the American Public Health Association, for providing conference space and ongoing support for our work. We also offer our special thanks to Barry Levy and Vic Sidel for writing the Foreword, and for their unwavering commitment to promoting peace as a public health imperative.

We thank Mary E. Northridge, former Editor in Chief of the *American Journal of Public Health*, for her boldness in encouraging submission of manuscripts about unconventional topics such as the Working Group's article about the role of public health in the prevention of war. We thank the *Journal's* publisher for allowing us to reprint selections from that article. We thank Taylor and Francis, publisher of the journal *Medicine, Conflict and Survival*, and the journal's editors for permission to reprint the article about complex systems modeling.

We are deeply indebted to our editor, Dave Repetto, for enthusiastically supporting our vision for advancing a paradigm shift and an action-oriented book for all health professionals, and for applying his expertise and influence within Cambridge University Press to obtain acceptance of our prospectus. We are grateful for the guidance he provided throughout the process of writing, editing, and production. We also appreciate the diligent work of content managers David Moore and Jane Bowbrick, project manager Karthik Orukaimani, copy-editor Matthew Bastock, editorial assistant Claudia Bona-Cohen, marketing manager Paris West, and other staff and the Board of Cambridge University Press. We thank Sunday Morning Studio for composing our vision of the book's cover, and the copyright holders of figures and quotations for permission to include those.

Finally, we owe a great debt to the generations of activists, some historically celebrated and some unacknowledged, who risked bodily harm, professional sanctions, financial costs, personal and relational losses, and sensationalized misrepresentations as they organized to prevent war, reveal the complicities of militarism, and promote peace against deeply rooted resistance. We are inspired and humbled by their devotion, and we ultimately dedicate this book to those who work tirelessly to create a more peaceful, safe, healthy, and hopeful world for future generations.