

FOREWORD BY DAVID SATCHER

SECOND

EDITION

METHODS FOR
COMMUNITY-BASED
PARTICIPATORY RESEARCH
FOR HEALTH

EDITORS

BARBARA A. ISRAEL • EUGENIA ENG
AMY J. SCHULZ • EDITH A. PARKER

METHODS FOR COMMUNITY-

BASED PARTICIPATORY

RESEARCH FOR HEALTH

**METHODS FOR
COMMUNITY-BASED
PARTICIPATORY
RESEARCH FOR HEALTH**

Second Edition

BARBARA A. ISRAEL

EUGENIA ENG

AMY J. SCHULZ

EDITH A. PARKER

EDITORS

Foreword by David Satcher

 **JOSSEY-BASS**
A Wiley Imprint
www.josseybass.com

Copyright © 2013 by John Wiley & Sons, Inc. All rights reserved.

Published by Jossey-Bass

A Wiley Imprint

One Montgomery Street, Suite 1200, San Francisco, CA 94104-4594—www.josseybass.com

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning, or otherwise, except as permitted under Section 107 or 108 of the 1976 United States Copyright Act, without either the prior written permission of the publisher, or authorization through payment of the appropriate per-copy fee to the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, 978-750-8400, fax 978-646-8600, or on the Web at www.copyright.com. Requests to the publisher for permission should be addressed to the Permissions Department, John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030, 201-748-6011, fax 201-748-6008, or online at www.wiley.com/go/permissions.

Limit of Liability/Disclaimer of Warranty: While the publisher and author have used their best efforts in preparing this book, they make no representations or warranties with respect to the accuracy or completeness of the contents of this book and specifically disclaim any implied warranties of merchantability or fitness for a particular purpose. No warranty may be created or extended by sales representatives or written sales materials. The advice and strategies contained herein may not be suitable for your situation. You should consult with a professional where appropriate. Neither the publisher nor author shall be liable for any loss of profit or any other commercial damages, including but not limited to special, incidental, consequential, or other damages. Readers should be aware that Internet Web sites offered as citations and/or sources for further information may have changed or disappeared between the time this was written and when it is read.

Jossey-Bass books and products are available through most bookstores. To contact Jossey-Bass directly call our Customer Care Department within the U.S. at 800-956-7739, outside the U.S. at 317-572-3986, or fax 317-572-4002.

Wiley publishes in a variety of print and electronic formats and by print-on-demand. Some material included with standard print versions of this book may not be included in e-books or in print-on-demand. If this book refers to media such as a CD or DVD that is not included in the version you purchased, you may download this material at <http://booksupport.wiley.com>. For more information about Wiley products, visit www.wiley.com.

Library of Congress Cataloging-in-Publication Data

Methods for community-based participatory research for health / Barbara A. Israel ... [et al.], editors ; foreword by David Satcher. – 2nd ed.

p. ; cm.

Rev. ed. of: *Methods in community-based participatory research for health* / Barbara A. Israel ... [et al.], editors. 1st ed. c2005.

Includes bibliographical references.

ISBN 978-1-118-02186-6 (pbk.); ISBN 978-1-118-28588-6 (ebk.); ISBN 978-1-118-28212-0 (ebk.); ISBN 978-1-118-28253-3 (ebk.)

I. Israel, Barbara A. II. *Methods in community-based participatory research for health.*

[DNLM: 1. Community-Based Participatory Research—methods. 2. Public Health—methods. 3. Consumer Participation—methods. 4. Healthcare Disparities. 5. Research Design. 6. World Health. W 84.3] 362.1'072_dc23

2012022689

Printed in the United States of America

SECOND EDITION

PB Printing 10 9 8 7 6 5 4 3 2 1

CONTENTS

Figures and Tables	xi
Foreword	xiii
David Satcher	
Dedication	xvii
Acknowledgments	ixx
The Editors	xxiii
The Contributors	xxvii

PART ONE: INTRODUCTION TO METHODS FOR COMMUNITY-BASED PARTICIPATORY RESEARCH FOR HEALTH **1**

- 1. Introduction to Methods for CBPR for Health** **3**
 Barbara A. Israel, Eugenia Eng, Amy J. Schulz, Edith A. Parker

PART TWO: PARTNERSHIP FORMATION AND MAINTENANCE **39**

- 2. Developing and Maintaining Partnerships with Communities** **43**
 Bonnie Duran, Nina Wallerstein, Magdalena M. Avila,
 Lorenda Belone, Meredith Minkler, Kevin Foley
- 3. Strategies and Techniques for Effective Group Process in
 CBPR Partnerships** **69**
 Adam B. Becker, Barbara A. Israel, Jeanette Gustat,
 Angela G. Reyes, Alex J. Allen III

4.	Infrastructure for Equitable Decision Making in Research	97
	Michael Yonas, Robert Aronson, Nettie Coad, Eugenia Eng, Regina Petteway, Jennifer Schaal, Lucille Webb	
PART THREE: COMMUNITY ASSESSMENT AND DIAGNOSIS		127
5.	Insiders and Outsiders Assess Who Is “The Community”: Participant Observation, Key Informant Interview, Focus Group Interview, and Community Forum	133
	Eugenia Eng, Karen Strazza, Scott D. Rhodes, Derek Griffith, Kate Shirah, Elvira Mebane	
6.	Using Ethnography in Participatory Community Assessment	161
	Jean J. Schensul, Marlene J. Berg, Saritha Nair	
PART FOUR: DEFINE THE ISSUE, DESIGN AND CONDUCT THE RESEARCH		189
7.	Community-Based Participation in Survey Design and Implementation: The Healthy Environments Partnership Survey	197
	Amy J. Schulz, Shannon N. Zenk, Srimathi Kannan, Barbara A. Israel, Carmen Stokes	
8.	Using a CBPR Approach to Develop an Interviewer Training Manual with Members of the Apsáalooke Nation	225
	Suzanne Christopher, Linda Burhansstipanov, Alma Knows His Gun McCormick, Vanessa Watts Simonds	
9.	The Application of Focus Group Methodologies to CBPR	249
	Edith C. Kieffer, Yamir Salabarría-Peña, Angela M. Odoms-Young, Sharla K. Willis, Gloria Palmisano, J. Ricardo Guzmán	
10.	Development, Evolution, and Implementation of a Food Environment Audit for Diverse Neighborhoods	277
	Shannon N. Zenk, Amy J. Schulz, Betty T. Izumi, Sharon Sand, Murlisa Lockett, Angela Odoms-Young	

11. CBPR and Ethnography: The Perfect Union	305
Nicole S. Berry, Chris McQuiston, Emilio A. Parrado, Julio César Olmos-Muñiz	
12. What's with the Wheezing?: Methods Used by the Seattle-King County Healthy Homes Project to Assess Exposure to Indoor Asthma Triggers	335
James Krieger, Carol A. Allen, Tim K. Takaro	
PART FIVE: DOCUMENTATION AND EVALUATION OF PARTNERSHIPS	365
13. Documentation and Evaluation of CBPR Partnerships: The Use of In-Depth Interviews and Closed-Ended Questionnaires	369
Barbara A. Israel, Paula M. Lantz, Robert J. McGranaghan, J. Ricardo Guzmán, Richard Lichtenstein, Zachary Rowe	
PART SIX: FEEDBACK, INTERPRETATION, DISSEMINATION, AND APPLICATION OF RESULTS	399
14. Developing and Implementing Guidelines for Dissemination: The Experience of the Community Action Against Asthma Partnership	405
Edith A. Parker, Thomas G. Robins, Barbara A. Israel, Wilma Brakefield-Caldwell, Katherine K. Edgren, Ashley O'Toole, Donele Wilkins, Stuart Batterman, Toby Lewis	
15. Collaborative Data Collection, Interpretation, and Action Planning in a Rural African American Community: Men on the Move	435
Elizabeth A. Baker, Freda Motton, Ellen Barnidge, Frank Rose III	
16. Collaborative Mapping for Health Equity: Making Place Visible	463
Jason Corburn, Anna Yun Lee, Nehanda Imara, Samara Swanston	

17. Photovoice as a CBPR Method: A Case Study with African American Breast Cancer Survivors in Rural Eastern North Carolina	489
Ellen D. S. López, Naomi Robinson, Eugenia Eng	
18. Methods for Community-Based Participatory Policy Work to Improve Food Environments in New York City	517
Emma Tsui, Milyoung Cho, Nicholas Freudenberg	
19. Citizens, Science, and Data Judo: Leveraging Secondary Data Analysis to Build a Community-Academic Collaborative for Environmental Justice in Southern California	547
Rachel Morello-Frosch, Manuel Pastor, James Sadd, Michele Prichard, Martha Matsuoka	
APPENDIXES	579
A. Instructions for Conducting a Force Field Analysis	581
Adam B. Becker, Barbara A. Israel, Alex J. Allen III	
B. Full Value Contract	585
Michael Yonas, Robert Aronson, Nettie Coad, Eugenia Eng, Regina Petteway, Jennifer Schaal, Lucille Webb	
C. Collaborative Revised Bylaws: Adopted/Amended: (Month, Day, Year)	589
Michael Yonas, Robert Aronson, Nettie Coad, Eugenia Eng, Regina Petteway, Jennifer Schaal, Lucille Webb	
D. Community Member Key Informant Interview Guide	601
Eugenia Eng, Karen Strazza, Scott D. Rhodes, Derek M. Griffith, Kate Shirah, Elvira Mebane	
E. Selected Healthy Environments Partnership Measures by Survey Categories, Indicating Source of Identification for Inclusion and Scale Items	605
Amy J. Schulz, Shannon Zenk, Srimathi Kannan, Barbara A. Israel, Carmen Stokes	

F.	Promoting Healthy Lifestyles Among Women: Focus Group Summary Analysis Form: Eastside and Southwest Detroit—Procedures and Example Questions	613
	Edith C. Kieffer, Yamir Salabarría-Peña, Angela M. Odoms-Young, Sharla K. Willis, Gloria Palmisano, J. Ricardo Guzmán	
G.	Field Notes Guide	619
	Nicole S. Berry, Chris McQuiston, Emilio A. Parrado, Julio César Olmos-Muñiz	
H.	In-Depth, Semi-structured Interview Protocol: Detroit Community-Academic Urban Research Center, Detroit URC Board Evaluation 1996–2002	623
	Barbara A. Israel, Paula M. Lantz, Robert J. McGranaghan, J. Ricardo Guzmán	
I.	Closed-Ended Survey Questionnaire: Detroit Community-Academic Urban Research Center, Detroit URC Board Evaluation 1997–2007	627
	Barbara A. Israel, Paula M. Lantz, Robert J. McGranaghan, J. Ricardo Guzmán, Richard Lichtenstein, Zachary Rowe	
J.	Philosophy and Guiding Principles for Dissemination of Findings of Community Action Against Asthma Including Authorship of Publications and Presentations, Policies and Procedures, Access to Data, and Related Matters	639
	Edith A. Parker, Thomas G. Robins, Barbara A. Israel, Wilma Brakefield-Caldwell, Katherine K. Edgren, Donele J. Wilkins	
K.	Inspirational Images Project: Fact Sheet and Informed Consent Form for Study Participants	645
	Ellen D. S. López, Naomi Robinson, Eugenia Eng	
L.	Inspirational Images Project: Informed Consent Form for Adults Who May Appear in Photographs	651
	Ellen D. S. López, Naomi Robinson	

M. Southern California Environmental Justice Collaborative: Partnership Agreed-Upon Mechanism for Deciding on Research Activities	655
Communities for a Better Environment, Liberty Hill Foundation, and the Research Team	
 Index	 659

FIGURES AND TABLES

FIGURES

- Figure 1.1 Core Components/Phases in Conducting CBPR
- Figure 4.1 Ladder of Citizen Participation
- Figure 4.2 Continuum of Community Involvement, Impact, Trust, and Community Flow
- Figure 6.1 Model for Teen Hustling
- Figure 8.1 Cervix Cancer Incidence and Mortality Rates
- Figure 13.1 Conceptual Framework for Understanding and Assessing the Effectiveness of the CBPR Partnership Process
- Figure 15.1 Multi-Method Sequence for the Development of Men on the Move Phases I and II
- Figure 16.1 Hegenberger Corridor Area, East Oakland, California, and CBE-Mapped Sensitive Receptors, Hazards, and Diesel Truck Idling Locations
- Figure 16.2 Hegenberger Corridor, East Oakland, California, and Agency-Identified Hazards and Sensitive Receptors (Squares) & Community-Identified Hazards and Receptors (Circles)
- Figure 16.3 Example of Block-By-Block Watchperson Project Map of Facilities EPA Modeling Was Missing
- Figure 17.1 Photograph of Cans for Recycling Presented by Survivor During a Photo Discussion
- Figure 17.2 African American Breast Cancer Survivorship Quality-of-Life Framework Developed During Photovoice Study

- Figure 17.3 Voting to Prioritize Future Efforts During Interactive Forum with Influential Advocates
- Figure 19.1 Results from Pacoima Ground-Truthing Area
- Figure 19.2 DustTrak Fine Particulate (PM2.5) Monitoring Results

TABLES

- Table 10.1 Items from the Healthy Environments Partnership's Food Environmental Audit for Diverse Neighborhoods (FEAD-N)
- Table 11.1 Community Ethnographers' Predictions and Results from the Ethnosexual Survey for Household Division of Labor in Mexico and the United States
- Table 12.1 Healthy Homes I Exposure Assessment Measures
- Table 14.1 CAAA Projects and Dissemination Activities
- Table 15.1 Demographics for African Americans in Pemiscot County, All Residents in Pemiscot County and Missouri (U. S. Census Bureau, 2011)
- Table 15.2 Methods Used to Understand the Social and Environmental Factors That Influence Health in Pemiscot County and to Inform Action Planning
- Table 16.1 Key Considerations for Using Spatial Maps in CBPR
- Table 18.1 Research Methods for Community-Based Participatory Policy Work: Policy Formulation Phase

FOREWORD

As director of the Centers for Disease Control and Prevention (CDC) in the mid-1990s, I had the opportunity to initiate the Urban Research Centers Program. At that time, we were able to fund three inaugural programs representing partnerships between communities and academic institutions. The original programs were in Detroit, Michigan, Seattle, Washington, and New York, New York. Although we were not able to expand the programs as we had hoped, we learned valuable lessons from them. Many of these lessons were included in the first comprehensive federal programs geared toward the reduction and ultimate elimination of disparities in health: the CDC's Racial and Ethnic Approaches to Community Health (REACH). More than forty communities have been funded through REACH. These communities have been funded and empowered to contract with academic health centers to conduct community-based participatory research.

Community-based participatory research brings the best and latest technology for design and measurement together with the insights of community members regarding the major issues affecting community health. In communicating the goals, objectives, and strategies of Healthy People 2010, we settled on a design that showed the interaction among determinants of health. The major components included the individual and his or her behavior (downstream), the physical and social environment including health care (midstream), and the various policies that impact this interaction (upstream). We tried to show that the components do not exist in isolation; there is intense interaction among them.

From 2005 to 2008, I served as a member of the World Health Organization (WHO) Commission on Social Determinants of Health (CSDH). We examined the conditions in which people are born, grow, learn, work, and age and their

impact on health outcomes. In the process, we visited several countries throughout the world and had one meeting in the United States. We recommended a major focus on these social determinants as a component of our commitment to achieve global health equity in a generation. The report was accepted by the WHO and the Director-General of the WHO launched the report in 2008 with strong support for this focus and goal. This focus has been affirmed and extended in Healthy People 2020, which incorporates a substantial emphasis on social determinants of health. It is increasingly clear that in order to reach the goals of improving quality as well as increasing years of healthy life and eliminating disparities in health among different racial, ethnic, and socioeconomic groups, we must target all of the determinants of health where disparities have their roots. We must close the gaps that exist in access to quality health care, practice of healthy lifestyles, quality of physical and social environments, and policies that impact these areas. For research aimed at understanding and closing these gaps, community-based participatory research is a viable approach.

As more and more programs in community-based participatory research are funded and initiated, it is important that the lessons learned and problems solved in this area over the last thirty or more years are captured and shared. This book, *Methods for Community-Based Participatory Research for Health*, provides a major contribution to this field. The editors are some of our most outstanding leaders in community-based participatory research. This second edition of the book incorporates experiences engaging the social determinants of health, including the very important “food environments” relative to overweight, obesity, diabetes, and cardiovascular disease. These chapters add tremendously to the value of this book, as well as its currency. The writing of this book represents an unusual partnership among diverse participants whose involvements with communities make them experts in their own right. They bring a broad range of perspectives to this research approach, grounded in extensive community involvement and experience. What brings them together in this book is their respect for the dignity of community and the tremendous challenges and opportunities found in communities for enhancing health. Because they have found each other, and have come together around this common theme from their diverse backgrounds of race, ethnicity, and perspective, we are the beneficiaries of this outstanding text.

Critical to each case example of community-based participatory research discussed in this book is the development of meaningful partnerships. These partnerships must exist in order that when the question “Who is the commu-

nity?” is asked, the answer can reliably be, “We are the community,” we who have engaged in meaningful partnerships, made the investments, developed the relationships, suffered the pains, and reaped the benefits of the community. These partnerships are entrenched in the community, they are as diverse as the community, and they are devoted to meaningful change and progress in the community. They share knowledge, resources, and control at every level of the community. They are trusted, not because of what they say, but because of who and where they are, and with whom they share information, methodology, and control of the research agenda. They are interested in bringing the best technology and methodology to bear on problems and opportunities within the community. Community-based participatory research deals with all the determinants of health and the dynamic nature of the interactions within the community. This research approach holds the promise of getting to the root cause of health disparities and of strategies for enhancing health as well as the involvement of persons at every level of community. In her book *Night Falls Fast*, which deals with teenage suicide, Kay Redfield Jamison says, “The gap between what we know and what we do is lethal.” Community-based participatory research holds the promise of removing these tremendous gaps and adding significantly to what we know.

To move our field forward in accomplishing these aims, this volume provides an excellent compendium of chapters on the methods and processes of community-based participatory research.

David Satcher, MD, PhD
Director, Satcher Health Leadership Institute
at the Morehouse School of Medicine
16th U.S. Surgeon General

*To Guy W. Steuart
Whose life's work on the wisdom of communities and
the power of partnerships is our touchstone. Thank you, Guy.*

*To Archie Israel and Adelaide Love Israel
Your passion for creating a sense of community lives on
through the spirit and work of all the persons and
organizations you touched. You are missed.*

*To Wah Poy Eng
Who served as the bridge between cultures that spanned an
ocean and five generations. He modeled understanding and compassion,
which will not be forgotten.*

ACKNOWLEDGMENTS

This book would not have been possible without the insightful contributions from the numerous authors, who so graciously shared their time and experiences in writing these chapters. It was important to us that each chapter reflected the principles of community-based participatory research, involving community partners as well as academics and professionals as coauthors. We extend to each writing team, therefore, our deepest appreciation for the privilege of witnessing, and temporarily joining, their collaboration throughout the writing process.

And to those with whom we have collaborated through our CBPR partnerships over the years, we are tremendously indebted. We consider ourselves most fortunate to have worked with, learned from, and been inspired by many partners. To our community and health practitioner partners and staff, we are especially grateful for your wisdom and tireless efforts to effect meaningful change with your communities, and in us. We have also been most fortunate to count among our academic partners fellow faculty members, students, and post-doctoral fellows whose hard work and enthusiastic engagement continue to renew our energy and perspectives on the value of CBPR. Specifically, although too numerous to mention by name, we would like to acknowledge and thank the following community and academic partners, who have been involved with us through the following CBPR partnerships: Bi-Cultural Bi-Lingual Medicaid Managed Care Project, Broome Team in Flint, Carolina-Shaw Partnership to Eliminate Health Disparities, Chatham Communities in Action, Chatham Social Health Council, Community Action Against Asthma, Detroit Community-Academic Urban Research Center, Detroit-Genesee County Community-Based Public Health Consortium, East Side Village Health Worker Partnership, Greensboro Health Disparities Collaborative, Health Literacy Partnership, Healthy

Environments Partnership, Men As Navigators for Health, Neighborhoods Working in Partnership, North Carolina Community-Based Public Health Initiative, Partners for Improved Nutrition and Health, Project GRACE, Promoting Healthy Eating in Detroit, REACH Detroit Partnership, Save Our Sisters, Strengthening The Black Family, Inc., Stress and Wellness Project, The Partnership Project of Greensboro, and United Voices of Effland-Cheeks, Inc.

We are also indebted to friends and colleagues who were not involved with these partnerships but who have had important impacts on our thinking and commitment to CBPR. Current and former colleagues and mentors at the University of Michigan include Cleo Caldwell, Barry Checkoway, Mark Chesler, Noreen Clark, Jim Crowfoot, Libby Douvan, Lorraine Gutierrez, Cathy Heaney, Hy and Joyce Kornbluh. Similarly, at the University of North Carolina at Chapel Hill, we are indebted to Alice Ammerman, Marci Campbell, Tim Carey, Leonard Dawson, Paul Godley, John Hatch, Michel Ibrahim, Ethel Jean Jackson, Laura Linnan, Betsy Randall-David, Allan Steckler, Guy Steuart, Jim Thomas, Rosalind Thomas, and Steve Wing.

We also thank the many other academic and practitioner colleagues who have influenced and supported our CBPR endeavors, including Clive Aspin, Heather Danton, Nancy Epstein, Jean Forester, Mark Freedman, Jack Geiger, Myles Horton, Ron Labonté, Mubiana Macwangi, Kathleen Parker, Baba Phillip-Ouattara, Ted Parrish, Jesus Ramirez-Valles, Sarena Seifer, Jackie Smith, Meera Viswanathan, and Tony Whitehead. For Barbara, a special debt is owed to her colleagues in New Zealand at the Department of Public Health and the Eru Pōmare Center, University of Otago, Wellington, for hosting and supporting her during the two sabbatical years in which much of the work on both editions of the book occurred, including Peter Crampton, Richard Edwards, Philippa Howden-Chapman, Anna Matheson, Bridget Robson, Clare Salmond, Louise Signal, and Alistair Woodward.

We have been most fortunate and appreciative of the funding we have received from a number of federal and foundation sources, which has enabled us to engage in CBPR endeavors. We are especially indebted to the following institutions and individuals, who are presently or were formerly involved in these institutions, for the leadership they have provided in supporting CBPR for us and countless others. These include: the W.K. Kellogg Foundation and Tom Bruce, Barbara Sabol, Steven Uranga-McKane, and Terri Wright; the National Institute of Environmental Health Sciences and Linda Birnbaum, Gwen Coleman,

Allen Dearry, Liam O'Fallon, Kim Gray, Ken Olden, Shobha Srinivasan, and Fred Tyson; the Centers for Disease Control and Prevention and Lynda Anderson, Larry Green, Donna Higgins, Shawna Mercer, and David Satcher; the National Institute on Minority Health and Health Disparities and John Ruffin, Khu Rhee, Francisco Sy; the National Cancer Institute and Jon Kerner; and the Agency for Healthcare Research and Quality and Kaytura Felix-Allen.

An edited book such as this involves considerable organizational skills and attention to details. We owe a tremendous thanks to Sue Andersen, whose continuous assistance and ability to anticipate what needed to be done was invaluable for the completion of this volume. A special thanks is also due to Linnea Evans who played a critical role in several aspects of pulling this volume together, including the development of the downloadable supplements that accompany this second edition of the book.

We have been most fortunate to have worked with Andy Pasternak, senior editor at Jossey-Bass. His knowledge of the publishing process, flexibility and sense of humor were instrumental in guiding our efforts. We thank Seth Schwartz, associate editor at Jossey-Bass, for his attention to details and thorough and good-natured help with our questions, and production editor Kelsey McGee and copy editor Donna J. Weinson, for their assistance.

We recognize the importance of social justice as both a core value and guiding principle for this book, and hence, are grateful to have parents and grandparents who instilled this commitment in us and encouraged our work. We would like to specifically acknowledge our parents, Archie and Adelaide Israel, Wah and Alice Eng, Robert and Gail Stegmier, and Jim and Hallie Parker.

To our partners and children, Richard Pipan, Ilana Israel, Daniel Goetz, Mira Eng-Goetz, Gabriel Eng-Goetz, David Schulz, and David Cohen, whose support and love are always given so unconditionally, we could not have completed this book without you.

THE EDITORS

Barbara A. Israel, DrPH, MPH, is a professor of Health Behavior and Health Education at the School of Public Health, University of Michigan, where she joined the faculty in 1982. She received her Masters of Public Health and Doctorate of Public Health degrees from the University of North Carolina at Chapel Hill. She was deputy editor of *Health Education & Behavior* from 1989 to 2003. Dr. Israel has authored or coauthored more than one hundred and twenty-five journal articles and book chapters on community-based participatory research, social support and stress, social determinants of health and health inequities, and evaluation. She has over thirty years of experience conducting CBPR in collaboration with partners in diverse ethnic communities, and is presently involved in several CBPR partnerships in Detroit addressing: environmental triggers of childhood asthma; social and physical environmental factors and cardiovascular disease; approaches to policy advocacy, and education and health. She is the principal investigator of the Detroit Community-Academic Urban Research Center, funded initially through the Centers for Disease Control and Prevention, and presently funded through the National Institute on Minority Health and Health Disparities, and the University of Michigan; and principal investigator for Neighborhoods Taking Action, with funding from the Robert Wood Johnson Foundation, The Skillman Foundation, and the W.K. Kellogg Foundation.

Eugenia Eng, DrPH, MPH, is a professor of health behavior at the Gillings School of Global Public Health, University of North Carolina at Chapel Hill, where she joined the faculty in 1984. She received her Masters of Public Health and Doctorate of Public Health degrees from the University of North Carolina at Chapel Hill. She directed the MPH degree program from 1987 to 2006 and

has directed the Kellogg Health Scholars Postdoctoral Program since 1998. Dr. Eng has authored or coauthored over one hundred fifteen journal articles, book chapters, and monographs on the lay health advisor intervention model, the concepts of community competence and natural helping, and the community assessment procedure, “Action-Oriented Community Diagnosis.” She has over thirty years of CBPR experience including field studies conducted with rural communities of the U.S. South, Sub-Saharan Africa and Southeast Asia to address socially stigmatizing health problems such as pesticide poisoning, cancer, and STI/HIV. Dr. Eng’s CBPR projects include the CDC-funded Men As Navigators for Health, the NCI-funded Cancer Care and Racial Equity Study, the NHLBI-funded CVD and the Black Church: Are We Our Brother’s Keeper?, and the NCI-funded CBPR Training Core for the Carolina Community Network Center to Reduce Cancer Health Disparities.

Edith A. Parker, DrPH, MPH, is professor and chair of the Department of Community and Behavioral Health at the University of Iowa College of Public Health. Before joining the University of Iowa in 2010, she was on the faculty at the University of Michigan, School of Public Health for fifteen years. She received her Masters of Public Health and Doctorate of Public Health degrees from the University of North Carolina at Chapel Hill. Dr. Parker has authored or coauthored more than sixty journal articles and book chapters on community-based participatory research, community capacity, childhood asthma and related areas. Dr. Parker has over twenty years of research experience focusing on the development, implementation, and evaluation of community-based participatory interventions to improve health status. Currently, she serves as the principal investigator (PI) of the Centers for Disease Control and Prevention–funded University of Iowa Prevention Research Center for Rural Health, and as director of the Community Engagement Key Function for the University of Iowa Clinical and Translational Science Award. Previously, she served as PI of the Community Action Against Asthma (CAAA) CBPR household intervention research component of the NIEHS/EPA-funded Michigan Center for the Environment and Children’s Health, the NIEHS-funded CAAA “Community Organizing Network for Environmental Health” and “Community Based Participatory Research (CBPR) Intervention for Childhood Using Air Filters and Air Conditioners” research projects.

Amy J. Schulz, PhD, MPH, is professor, Department of Health Behavior and Health Education, University of Michigan School of Public Health, where she

joined the faculty in 1997, and associate director for the Center for Research on Ethnicity, Culture and Health. She received her PhD degree in sociology and MPH in health behavior and health education from the University of Michigan. Her research focuses on social determinants of health in urban communities, with a particular focus on the role of racism, socioeconomic position, and social and physical environments in shaping health and health inequities, and in the design, implementation, and evaluation of interventions to promote health and contribute to the elimination of health inequities. She has over twenty years experience in the field and has authored or coauthored more than seventy journal articles and book chapters on the development, implementation, and evaluation of community-based participatory research partnerships, social determinants of health, and related topics. She serves as principal investigator for the Healthy Environments Partnership, a CBPR partnership that has been active since 2000 with funding from the National Institute for Environmental Health Sciences and the National Institute on Minority Health and Health Disparities. She also serves as a board member for the Detroit Community-Academic Urban Research Center, and served as an active member of the Detroit Eastside Village Health Worker Partnership and Promoting Healthy Eating in Detroit, two other CBPR efforts in Detroit.

THE CONTRIBUTORS

Alex J. Allen III, MSA, is a non-profit consultant who specializes in organizational development, project management, grant writing, fundraising, and evaluation. Prior to consulting, Allen was a program officer with the Skillman Foundation, a private grant making organization with three chief aims: to help develop good schools, good neighborhoods, and support good opportunities that accomplish significant results for children. Allen was vice president of the Community Planning and Research division at Isles, Inc., a nonprofit organization in Trenton, NJ, that is committed to fostering self-reliant families in healthy, sustainable communities. He has been involved in various aspects of community development work for the past 25 years. He has collaborated and addressed a broad range of community issues, including his work with the Detroit Community-Academic Urban Research Center and other organizations. He has expertise in CBPR and participatory neighborhood planning.

Carol Allen is a community health education consultant at Public Health Seattle-King County and is skilled in working with diverse populations of low to moderate income. Previously she worked as project coordinator for the Seattle King County Healthy Homes (SKCHH) Project, providing supervision and overall guidance to outreach workers, conducting asthma trainings, monitoring progress, and overseeing quality control of intervention activities, ensuring the proper application of established protocols. She served as a community board member of the Seattle Partners for Healthy Community (SPHC). She is a master home environmentalist (MHE) through the American Lung Association and a certified asthma trainer by the Asthma and Allergies Foundation of America.

Robert Aronson, DrPH, MPH, is an associate professor of the Department of Public Health Education at the University of North Carolina Greensboro. He is a founding member of the Greensboro Health Disparities Collaborative, and is currently serving as cochair. His research has focused on health disparities affecting African American and Latino communities and the development and evaluation of community-based programs. For the past ten years much of his work has been with African American male college students, using CBPR to understand the influence of masculinity ideology on sexuality, and developing culturally and contextually congruent approaches to HIV prevention in this population. He received his MPH in health behavior and health education at UNC-Chapel Hill and his DrPH in international health from Johns Hopkins Bloomberg School of Public Health.

Magdalena Avila, DrPH, is an assistant professor of Health Education, Health Exercise and Sports Science, College of Education at the University of New Mexico. She has been working and partnering with communities of color for over twenty-five years to address environmental health disparities and inequalities. She has been using activism scholarship to develop grassroots and culturally appropriate public health education interventions. For the past ten years she has been involved in two NIEHS-funded research grants in Albuquerque's South Valley, both of which have incorporated CBPR into the research process with New Mexican Communities. Recently her involvement has included participatory research with New Mexican/Chicano/Immigrant communities to examine the role of CBPR in informing community residents to engage in the land use zoning and planning policy process, health impact assessments, and environmental health literacy.

Elizabeth A. Baker, PhD, MPH, is a professor and chair of the Department of Behavioral Science and Health Education at Saint Louis University School of Public Health. Her research areas include social networks and social support, control, and other social determinants of health (such as race and income) and the ways in which they influence community and individual capacity to create desired changes. She has extensive experience in CBPR in both urban and rural communities. She received her MPH and PhD degrees from the University of Michigan School of Public Health.