EDITED BY

IRENE DANKWA-MULLAN, MD, MPH

ELISEO J. PÉREZ-STABLE, MD

KEVIN L. GARDNER, MD, PhD

XINZHI ZHANG, MD, PhD, FACE, FRSM

ADELAIDA M. ROSARIO, PhD

THE SCIENCE OF HEALTH DISPARITIES RESEARCH

WILEY Blackwell

Table of Contents

List of Tables

List of Illustrations

Chapter 25

The Science of Health Disparities Research

Edited by

Irene Dankwa-Mullan
IBM Watson Health
IBM Corporation
Bethesda, MD, USA

Eliseo J. Pérez-Stable
National Institute on Minority Health and Health Disparities
National Institutes of Health
Bethesda, MD, USA

Kevin L. Gardner
Department of Pathology and Cell Biology
Columbia University Medical Center
New York, NY, USA.

Xinzhi Zhang
Division of Clinical Innovation, National Center for Advancing
Translational Science
National Institutes of Health
Bethesda, MD, USA

Adelaida M. Rosario

Commissioned Corps Headquarters
Office of the Surgeon General
Rockville, MD, USA

WILEY Blackwell

This edition first published 2021

Registered Office
John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030, USA

Editorial Office
9600 Garsington Road, Oxford, OX4 2DQ, UK

For details of our global editorial offices, customer services, and more information about Wiley products visit us at www.wiley.com.

Wiley also publishes its books in a variety of electronic formats and by print-on-demand. Some content that appears in standard print versions of this book may not be available in other formats.

Library of Congress Cataloging-in-Publication Data

Names: Dankwa-Mullan, Irene, editor. | Pérez-Stable, Eliseo J., editor. | Gardner, Kevin L., M.D., editor. | Zhang, Xinzhi, 1971– editor. | Rosario, Adelaida M., 1977– editor.

Title: The science of health disparities research / edited by Irene Dankwa-Mullan, Eliseo J. Pérez-Stable, Kevin L. Gardner, Xinzhi Zhang, Adelaida M. Rosario.
Description: Hoboken, NJ : Wiley-Blackwell, 2021. | Includes bibliographical references and index.
Identifiers: LCCN 2020024358 (print) | LCCN 2020024359 (ebook) | ISBN 9781119374817 (cloth) | ISBN 9781119374831 (adobe pdf) | ISBN 9781119374848 (epub)
Subjects: MESH: Healthcare Disparities | Translational Medical Research | Socioeconomic Factors | Social Determinants of Health | Minority Health
Classification: LCC RA563.M56 (print) | LCC RA563.M56 (ebook) | NLM W 76.1 | DDC 362.1089–dc23
LC record available at https://lccn.loc.gov/2020024358
LC ebook record available at https://lccn.loc.gov/2020024359

Cover Design: Wiley
Cover image: Barbershop Photo Courtesy of Stephen B. Thomas, Hula Dance Photo Courtesy of Joseph Kaholokula, Happy Baby Girl Playing With Toys In Playroom © Monkey Business Images/Shutterstock

List of Contributors

Adebowale Adeyemo
Center for Research on Genomics and Global Health,
National Human Genome Research Institute,
National Institutes of Health
Bethesda, MD
USA

Margarita Alegria
Department of Medicine, Disparities of Research Unit
Massachusetts General Hospital
Boston, MA
USA;
Departments of Medicine and Psychiatry
Harvard Medical School
Boston, MA
USA

Naomi Ali
Department of Medicine, Disparities of Research Unit
Massachusetts General Hospital
Boston, MA
USA

Jeroan Allison
University of Massachusetts Medical School
Worcester, MA
USA

Jennifer Alvidrez
National Institute on Minority Health and Health Disparities
National Institutes of Health
Bethesda, MD
USA

Hortensia Amaro
Herbert Wertheim, College of Medicine
Florida International University
Miami, FL
USA;
Robert Stempel, College of Public Health and Social Work
Florida International University
Miami, FL
USA

Noa Appleton
Department of Population Health
New York University School of Medicine
New York, NY
USA

Inna Arnaudova
Department of Psychiatry
University of California
Los Angeles, CA
USA

Ligia Artiles
National Institute on Minority Health and Health Disparities
National Institutes of Health
Bethesda, MD
USA

Leslie J. Baier
Phoenix Epidemiology and Clinical Research Branch,
National Institute of Diabetes and Digestive and Kidney Diseases
National Institutes of Health
Phoenix, AZ
USA

Tracy Bastain
Department of Preventive Medicine, Keck School of Medicine
University of Southern California
Los Angeles, CA
USA

Sara E. Baumann
Department of Behavioral and Community Health Sciences
University of Pittsburgh Graduate School of Public Health
Pittsburgh, PA
USA

Amy R. Bentley
Center for Research on Genomics and Global Health,
National Human Genome Research Institute
National Institutes of Health
Bethesda, MD
USA

Rick A. Berzon
National Institute on Minority Health and Health Disparities
National Institutes of Health
Bethesda, MD
USA

Bernadette Boden-Albala
Department of Population Health and Disease Prevention
University of California
Irvine, CA
USA;
Department of Epidemiology
University of California
Irvine, CA
USA

Nancy Breen
National Institute on Minority Health and Health Disparities
National Institutes of Health
Bethesda, MD
USA

Carrie Breton
Department of Preventive Medicine, Keck School of Medicine
University of Southern California
Los Angeles, CA
USA

Esteban Burchard
Department of Bioengineering and Therapeutic Sciences
University of California
San Francisco, CA
USA

Jung S. Byun
National Institute on Minority Health and Health Disparities
National Institutes of Health
Bethesda, MD
USA

Tamela Cannady
Choctaw Nation Health Service
Talihina, OK
USA

Olveen Carrasquillo
Division of General Internal Medicine, Department of Medicine, Miller School of Medicine
University of Miami
Miami, FL
USA