FOURTH EDITION

## Community Health Nursing

: Concepts and Practice

Barbara Walton Spradley
Judith Ann Allender

Lippincott

# Community Health Nursing

## **Concepts and Practice**

#### FOURTH EDITION

#### Barbara Walton Spradley, RN, MN

Associate Professor School of Public Health University of Minnesota Minneapolis, Minnesota

#### Judith Ann Allender, RN, C, EdD

Associate Professor Department of Nursing School of Health and Social Work California State University Fresno, California



Sponsoring Editor: Susan M. Glover, RN, MSN

Coordinating Editorial Assistants: Susan M. Keneally and Gene Bender

Production Editor: Virginia Barishek Production Manager: Janet Greenwood Production: Textbook Writers Associates

Design: William T. Donnelly Compositor: Circle Graphics

Printer/Binder: Courier Book Company/Westford

Cover Printer: Lehigh Press

#### Fourth Edition

Copyright ©1996, by Barbara Walton Spradley and Judith Ann Allender.

Copyright ©1990, 1985, and 1981 by Barbara Walton Spradley. All rights reserved. This book is protected by copyright. No part of it may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means—electronic, mechanical, photocopy, recording, or otherwise—without the prior written permision of the publisher, except for brief quotations embodied in critical articles and reviews. Printed in the United States of America. For information write Lippincott–Raven Publishers, 227 East Washington Square, Philadelphia, PA 19106.

Library of Congress Cataloging-in-Publication Data

Spradley, Barbara Walton.

Community health nursing : concepts and practice / Barbara Walton Spradley, Judith Ann Allender. — 4th ed.

p. cm.

Includes bibliographical references and index. ISBN 0-397-54984-9

- 1. Community health nursing. 2. Public health nursing.
- I. Allender, Judith Ann. II. Title.

[DNLM: 1. Community Health Nursing. WY 106 S766c 1996]

RT98.S68 1996

610.73'43—dc20 DNLM/DLC

for Library of Congress

95-40259

CIP

The material contained in this volume was submitted as previously unpublished material, except in the instances in which credit has been given to the source from which some of the illustrative material was derived. Photo credits appear on p. 680.

Any procedure or practice described in this book should be applied by the health-care practitioner under appropriate supervision in accordance with professional standards of care used with regard to the unique circumstances that apply in each practice situation. Care has been taken to confirm the accuracy of information presented and to describe generally accepted practices. However, the authors, editors, and publishers cannot accept any responsibility for errors or omissions or for any consequences from application of the information in this book and make no warranty, express or implied, with respect to the contents of the book.

The authors and publisher have exerted every effort to ensure that drug selection and dosage set forth in this text are in accordance with current recommendations and practice at the time of publication. However, in view of ongoing research, changes in government regulations, and the constant flow of information relating to drug therapy and drug reactions, the reader is urged to check the package insert for each drug for any change in indications and dosage and for added warnings and precautions. This is particularly important when the recommended agent is a new or infrequently employed drug.

Materials appearing in this book prepared by individuals as part of their official duties as U.S. Government employees are not covered by the above-mentioned copyright.

9 8 7 6 5 4 3 2

To our husbands, Neil and Gil, with love and thanks

## **Contributors**

Dorothy Brockopp, PhD, RN

Nurse Researcher
Department of Nursing
University of Kentucky
Lexington, Kentucky
CHAPTER 26 Research in Community Health Nursing

Kathy Karsting, RN, MPH

Director of Nursing Northeast Colorado Health Department Sterling, Colorado CHAPTER 23 Protecting Community Health

CHAPTER 23 Protecting Community Health Through Control of Communicable Diseases

Terry Miller, MSN, PHN, PhD

Associate Dean
College of Applied Sciences and Arts
California State University, San Jose
San Jose, California
CHAPTER 28 Health Policy, Politics, and
Community Health Advocacy

## **Contributors to Previous Editions**

Sara T. Fry, RN, PhD

Michele Hadeka, RN, MS

Laura N. Garris, BA

Pamela Thul-Immler, RN, C, MPH

Elaine Richard, RN, MS

## Reviewers

H. Terri Brower, RN, FNP, EdD Professor School of Nursing Auburn University Auburn, Alabama

Sharon Davis Burt, MSN, PhDc, PHN Lecturer School of Nursing San Diego State University San Diego, California

Imelda Clements, RN, PhD Professor Lansing School of Nursing Bellarmine College Louisville, Kentucky

Mary Louise Jewell, RN, PhD Associate Professor and Chair The Nursing Department Immaculata College Immaculata, Pennsylvania

Mary D. Jerrett, RN, EdD Associate Professor School of Nursing Queen's University Kingston, Ontario Canada

Barbara Leonard, RN, PhD Associate Professor University of Minnesota Minneapolis, Minnesota M. Peggy MacLeod, RN, MN Assistant Professor College of Nursing University of Saskatchewan Saskatoon, Saskatchewan Canada

Melanie McEwan, RN, CS, PhD Assistant Professor School of Nursing Baylor University Dallas, Texas

Marilyn Morton, RN C, MPH, MS Associate Professor Department of Nursing State University of New York College at Plattsburgh Plattsburgh, New York

Catherine Paradiso, RN, CCRN, MS Clinical Nurse Specialist Mobile Health Unit Coordinator The Visiting Nurse Association Home Care of Staten Island Lake Avenue Office Staten Island, New York

Olive Santavenere, RN, PhD Associate Professor Department of Nursing Southern Connecticut State University Haven, Connecticut

## **Preface**

The fourth edition of *Community Health Nursing: Concepts and Practice* represents a continuing effort to capture the essence and clarify the practice of community health nursing. It is written to share the authors' enthusiasm for a field whose dynamic nature calls for nursing creativity, leadership, and innovation. The potential for community health nurses to protect and enhance the health of at-risk populations and to influence the quality of health services poses an exciting challenge.

As a basic text, the fourth edition, like the other three, is designed to give undergraduate nursing students a comprehensive introduction to the field of community health nursing. It is also designed to be a professional resource in order to enlarge the vision and enhance the impact of practicing community health nurses.

With an escalating demand for nurses to practice in the community, it is important that the meaning of community health nursing as a specialized field of nursing practice be clearly understood. The challenge for the nurse who wishes to practice community health nursing lies in incorporating public health principles with nursing knowledge and skills to offer preventive, health-promoting, and protective services that benefit aggregates. As beginning practitioners, nurses in this field may have limited impact on aggregates, but an aggregate orientation must be germane to their practice. At advanced levels of practice, with advanced preparation in public health, nurses can become specialists in public or community health.

The fourth edition of this text continues to use the term *community health nurse* to describe a practitioner in the community whose work incorporates public health philosophy, theory, and skills with an emphasis on aggregates.

### Organization of the Text

In this edition the text is organized into five units. Unit titles as well as most chapter titles have been reworded to include more descriptive language and provide greater continuity for the reader.

Unit I, Understanding the Foundations for Community Health Nursing Practice, introduces the student to the conceptual and historical bases for practice in this field. Eight chapters comprise this unit providing the background of community and health (Chapter 1), the structure and function of community health services (Chapter 2), and health care

(Chapter 3), as the context in which to understand the nature of community health nursing (Chapter 4), and its roles and settings for practice (Chapter 5). The unit ends with three chapters on foundational topics that influence community health nursing practice: health and safety issues in the environment (Chapter 6), cultural influences on health (Chapter 7), and values and ethical decision making in community health nursing (Chapter 8).

Unit II, Applying the Tools of Community Health Nursing Practice, provides the student with an understanding of the tools needed for practice in this field and how to use them. The unit opens with two chapters emphasizing the aggregate approach: how to assess and intervene with communities as clients (Chapter 9) and how to work with populations and groups (Chapter 10). The remaining five chapters describe specific tools: the nursing process applied to aggregates (Chapter 11), epidemiological assessment (Chapter 12), communication and collaboration in community health (Chapter 13), educational interventions to promote community health (Chapter 14) and crisis prevention and intervention in the community (Chapter 15).

Unit III, Promoting and Protecting the Health of Families, is new and provides the student with background on theoretical bases for promoting family health (Chapter 16), and nursing assessment and practice with families (Chapter 17). These chapters were organized under different units in previous editions. While nurses work with individual families in the community, this text also supports the need to view clusters of families as aggregates for community health nursing intervention.

Unit IV, Promoting and Protecting the Health of Populations, helps students to understand the needs of and how to intervene with specific population groups. The first four chapters in this unit emphasize promoting and protecting the health of populations in each major life cycle stage: maternal, prenatal, and newborn populations (Chapter 18), Toddler, preschool, school age, and adolescent populations (Chapter 19), adults and the working population (Chapter 20), and the elderly population (Chapter 21). The remaining three chapters focus on specific at-risk groups: those needing home care (Chapter 22), those atrisk for communicable diseases (Chapter 23), and those who are vulnerable because of socioeconomic, cultural, or behavioral factors (Chapter 24). These last two chapters are entirely new in the fourth edition.

Unit V, Expanding the Community Health Nurse's Influence, emphasizes for students the ways in which community health nurses can influence the health care system. The opening chapter (Chapter 25) describes leadership, power, and how nurses can effect change in community health. Next, the need for research in community health nursing (Chapter 26) is stressed with examples of nursing research and discussion of practicing nurses' involvement in and use of research. Promoting quality in health services is the focus of Chapter 27. The text concludes with a clearly presented overview (Chapter 28) of the political process, how health policy is developed, and how the nurse can be involved as an advocate for the health of the community.

#### **New Chapters**

To keep abreast of changes in health needs, services, and financing, this edition introduces new topics and expands on many others. Four new chapters have been added. A new chapter on health economics (Chapter 3) incorporates earlier material on health care financing with extensive discussion of the issues and concepts involved in health care reform. Another new chapter, Chapter 13, expands earlier content to emphasize effective communication and collaborative relationships in community health. An entirely new

chapter, Chapter 23, deals with communicable diseases, including sexually transmitted diseases, HIV/AIDS, and tuberculosis, that pose serious threats to public health. The fourth, Chapter 24, is also an entirely new chapter that focuses on at-risk populations. This chapter provides a model for understanding the causes of vulnerability and discusses needs and interventions with three specific at-risk populations: homeless persons, substance abusers, and the mentally ill and disabled. The remaining chapters have all been revised, updated, and in some cases expanded to reflect the most recent information on issues affecting community health and the practice of community health nursing.

#### **Key Features**

The fourth edition of *Community Health Nursing: Concepts and Practice* includes key features from previous editions as well as new features.

Features continued from previous editions include:

- An emphasis on aggregate-level nursing and the community health nurse's opportunity and responsibility to serve not only individuals and families but also to promote and protect the health of communities and populations.
- An emphasis on health promotion, health protection, and illness prevention. This, in addition to the aggregate emphasis, reflects the view set forth in this text that community health nursing is the amalgamation of nursing science with public health science. Public health philosophy, values, knowledge, and skills are an essential part of community health nursing practice.
- A balance of theory with application to nursing practice. The fourth edition continues the presentation of theoretical and conceptual knowledge to provide students with an understanding of human needs and a rationale for nursing actions. At the same time the text presents practical information on how the nurse can use theory to undergird practice.
- A summary of highlights at the end of each chapter provides students with an overview of material covered and serves as a review for study.
- References and Selected Readings at the end of each chapter provide students with classic sources, current research, and a broad base of authoritative information for furthering knowledge on the chapter's subject matter.
- A student-friendly writing style has been a hallmark of this text since the first edition. Topics are expressed and concepts explained to enhance students' understanding and capture their interest. Writing style remains consistent throughout the text (including contributed chapters) to promote an uninterrupted flow of ideas for students' learning.

Features new to this edition include:

- Learning Objectives and Key Terms sharpen students' focus and provide a guide for learning the chapter content.
- Critical Thinking Activities at the close of each chapter are designed to challenge students, promote critical thinking skills, and encourage their active involvement in solving community health problems.
- Recurring Boxed Displays throughout the text highlight important content and create points of interest for student learning. The recurring displays are:
  - Research Boxes describe a nursing research study related to the chapter subject matter.

- Issues Boxes explore issues affecting community health nursing practice.
- Levels of Prevention Boxes address a chapter topic and describe nursing actions at each of the three levels of prevention.
- World Watch Boxes emphasize an international perspective on chapter topics.
- New Photographs and Art have been added throughout the text to clarify important concepts and enhance students' interest in and understanding of material.
- Glossary and Appendices provide definitions of all key terms highlighted throughout the text plus other important resources for student learning and community health nursing practice.

Barabara Walton Spradley, RN, MN Judith Ann Allender, RN, C, EdD

## Acknowledgments

We are grateful to many individuals for their assistance in completing this fourth edition. To acknowledge them all would be impossible, given the limitations of space and memory. Many have unwittingly enriched the writing by sharing their experiences and expertise. Others have directly provided ideas, criticism, encouragement, and support. To all we offer our sincere gratitude.

Three individuals have made important new contributions to this fourth edition. Kathy Karsting wrote most of the new chapter on communicable diseases. Dorothy Brock-opp and Terry Miller made substantial revisions in their respective chapters on community health nursing research and on politics, policy, and community health advocacy. We are grateful to each of them.

We wish to thank our faculty colleagues for their ideas and encouragement. In particular, we are grateful to Mila Aroskar, Les Block, and Bob Veninga at the University of Minnesota and Joan Heron and Cherie Rector at California State University, Fresno.

Others have made a variety of contributions to this fourth edition. First, we want to thank our respective students for assistance with research, stimulation, and support. We are also grateful to the many community colleagues in both nursing and other fields who have supported and contributed to our efforts.

We would like to thank the many people who provided their suggestions and assistance as reviewers throughout the revision process.

Many people at Lippincott–Raven have provided invaluable assistance. We are grateful to Donna Hilton, our editor for most of the revision, for her support and patience as well as to Sue Glover who took over as editor during the crucial production stage. Special thanks also go to Susan Keneally for outstanding editorial assistance, Carole Wonsiewicz for invaluable critique, and Virginia Barishek and Marty Tenney for excellent production editing. We are grateful to all the other helpful people at Lippincott–Raven, especially designer Bill Donnelly, photo researcher Andrea Champlin, and textbook representative, Ginger Heil.

Finally, we are grateful to the many friends and family members who provided essential encouragement. We especially wish to thank Janet Hagberg, Lois Yellowthunder, and Sr. Ann Wylder for their unfailing friendship. Thanks to our families for encouragement and inspiration, especially Elizabeth Schuepp, Ruth Firth, John Van Doren, James van Doren, Beth Allender, and Zachary Couch. Most importantly, we are grateful to our husbands, Neil Kittlesen and Gil Allender, for their unflagging support, interest, and encouragement. Their contributions are immeasurable.

## **Contents**

į	UNIT I Understanding the Foundations for Community Health Nursing Practice1
	CHAPTER 1 Conceptual Bases for Community Health Practice
	CHAPTER 2 Structure and Function of Community Health Services
	CHAPTER 3  Health Care Economics

CHAPTER 4 Community Health Nursing: Past and Present
CHAPTER 5 Roles and Settings for Community Health Nursing Practice
CHAPTER 6 Environmental Health and Safety
CHAPTER 7 Influence of Culture on Community Health
CHAPTER 8  Values and Ethical Decision Making in Community Health

UNIT II Applying the Tools of Community Health Nursing Practice187		
CHAPTER 9 The Community as Client: Assessment and Planning		
CHAPTER 10 Working with Populations and Groups		
CHAPTER 11 Using the Nursing Process to Promote the Health of Aggregates		
CHAPTER 12 Epidemiological Assessment of Community Health Status		
CHAPTER 13 Communication and Collaboration in Community Health		



CHAPTER 14 Educational Interventions to Promote Community Health
CHAPTER 15 Community Crisis: Prevention and Intervention
UNIT III Promoting and Protecting the Health of Families341
CHAPTER 16 Theoretical Bases for Promoting Family Health
Summary, 360 Activities to Promote Critical Thinking, 362  CHAPTER 17 Family Health: Assessment and Practice
UNIT IV  Promoting and Protecting the Health of Populations391
CHAPTER 18 Promoting and Protecting the Health of Maternal, Prenatal, and Newborn Populations

	Health Programs for Maternal-Infant Populations, 401 Implementation of Maternal-Infant Health Programs, 401 Evaluation of Maternal-Infant Health Programs, 407 Summary, 409 Activities to Promote Critical Thinking, 409
	CHAPTER 19 Promoting and Protecting the Health of Toddler, Preschool, School-Age, and Adolescent Populations
	Health Problems of Toddlers and Preschool Children, 414 Health Problems of School-Age Children, 415 Health Problems of Adolescents, 416 Health Services for Children, 419 Role of the Community Health Nurse, 428 Summary, 434 Activities to Promote Critical Thinking, 435
	CHAPTER 20 Promoting and Protecting the Health of Adults and the
	Working Population
	CHAPTER 21 Promoting and Protecting the Health of the Older Adult Population463
5	Introduction, 464 Health Status of the Older Adult Population, 464 Misconceptions and Sterotypes of Older Adults, 465 Characteristics of Healthy Older Adults, 467 Health Needs of the Older Adult, 468 Community Health Perspective, 472 Health Services for Older Adult Populations, 474 Future Goals and Roles, 478 Summary, 479 Activities to Promote Critical Thinking, 480
	CHAPTER 22 Promoting and Protecting the Health of the Home Care Population