

# Health The Basics

FOURTH EDITION

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Oregon State University

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### Health Resource Guide

This guide is designed to provide you with information sources on a variety of health and wellness topics. Many of these numbers are toll free; some represent national clearinghouses that may direct you in your information search. Your best one-stop source for information about groups, journals, and health data is through the National Library of Medicine, which provides the MEDLINE, MEDLINE plus, and DIRLINE databases, to name a few, for your ready access to information.

National Library of Medicine 888-FIND-NLM www.nlm.nih.gov

GENERAL HEALTH CONTACTS American Health Care Association 202-842-4444

American Medical Association 312-464-5000 www.ama-assn.org

National Center for Health Statistics 301-436-8500 www.cdc.gov/nchs/default.htm

U.S. Department of Health and Human Services

301-827-4420 www.hhs.gov

www.ahca.org

World Health Organization www.who.org

ALLERGY AND ASTHMA American Academy of Allergy Asthma and

Immunology 414-272-6071 www.aaaai.org

Asthma and Allergy Foundation of America 800-7-ASTHMA

800-7-ASTHMA www.aafa.org

BLOOD DISORDERS Sickle Cell Disease Association of America 800-421-8453

www.sicklecelldisease.org

American Cancer Society 800-ACS-2345

www.cancer.org

CANCER

National Cancer Institute 800-4-CANCER www.nci.nih.gov

CHILDREN'S SERVICES Children's Defense Fund 202-628-8787

www.childrensdefense.org

National Institute of Child Health and Human

Development 301-496-5133 www.nichd.nih.gov

CONSUMER ISSUES Federal Consumer Information Center 800-424-9393 www.pueblo.gsa.gov National Council for Reliable Health Information 909-824-4690

DEATH AND DYING The Living Bank 800-528-2971 www.livingbank.org

www.ncahf.org

National Hospice and Palliative Care Organization

703-243-5900 www.nho.org

SUBSTANCE ABUSE PREVENTION Alcoholics Anonymous 800-5870-3400

www.aa.org

Alcohol HOTLINE 800-ALCOHOL

BACCHUS and GAMMA Peer Education Network 303-871-0901

www.bacchusgamma.org

National Clearinghouse for Alcohol and Drug Information

800-729-6686 www.health.org

EATING DISORDERS

American Anorexia/Bulimia Association 212-575-6200 www.aabainc.org

ENVIRONMENTAL ISSUES Center for Health, Environment, and Justice 703-237-2249 www.chej.org

Environmental Protection Agency (EPA) 202-260-2080

SAFETY

www.epa.gov

National Safety Council 800-621-7619 www.nsc.org

GAY AND LESBIAN SERVICES Federation of Parents and Friends of Lesbians and Gays (Parents FLAG)

202-638-4200 www.pflag.org

National Gay and Lesbian Task Force 202-332-6483

www.ngltf.org

HEART AND LUNG DISEASES American Heart Association 800-242-8721

www.americanheart.org

National Heart, Lung, and Blood Institute

301-496-4236

www.nhlbi.nih.gov/index.htm

American Lung Association 212-315-8700 www.lungusa.org

PHYSICAL FITNESS Women's Sports Foundation 800-227-3988 . www.girlsandsports.net/

PREGNANCY AND SEXUALITY Alan Guttmacher Institute 212-248-1111

212-248-1111 www.agi-usa.org

Birthright 800-550-4900 www.birthright.org

Planned Parenthood Federation of America 800-829-7732 www.plannedparenthood.org

PSYCHOLOGICAL HEALTH National Clearinghouse for Mental Health Information 301-443-4513

National Institutes of Mental Health 301-443-4513 www.nimh.nih.gov

SEXUALLY TRANSMITTED INFECTIONS, HIV DISEASE AND AIDS

National AIDS Hotline 800-342-AIDS 800-342-SIDA (Spanish) 800-AIDS-TTY (hearing impaired)

National STD Hotline 800-227-8922

www.cdc.gov

800-422-4453

Centers for Disease Control and Prevention (CDC) 404-639-3534

VIOLENCE AND ABUSE National Child Abuse Hotline

National Center for Missing and Exploited Children 800-843-5678

National Coalition Against Sexual Assault 717-232-7460

National Crisis Prevention Institute 800-558-8976



As we enter a new millennium, health challenges once considered unimaginable to our ancestors have emerged. Try to imagine what the greatest health challenges were to your parents when they were your age. Or your grandparents. Or even your great-grandparents. We live in an ever-changing world and nowhere is this more evident than in public and personal health. Today brings with it issues of violence, new threats from emerging infectious diseases, remarkable insights into chronic diseases, and concerns over global health and the degradation of the environment.

Juxtaposed against the threats to health, are new knowledge, opportunities, policies, and strategies for promoting health and preventing premature disease and disability. The new millennium also brings with it increased longevity and greater understanding of psychological stressors, mental health, and all forms of addictions. Advancing technologies will continue to change the face of health care diagnosis and treatment, groundbreaking research will overturn many of the "truths" that we take for granted today, and each of us will become increasingly more responsible for our own health and well-being. Already today an astounding, contradictory, and confusing array of health information is available to us through the simple click of a "mouse." Each new class of college students offers health instructors a more savvy group of health "connoisseurs." With that added arsenal of information, students should be better prepared to examine, to think, and to make health decisions. Using yesterday's information to stimulate tomorrow's student is no longer appropriate in today's techno-driven, health conscious world.

Needless to say, writing an introductory health text presents an interesting challenge. As quickly as the last words are written for one edition, a new discovery is announced that probably should have been included in the book. So today's *texts* have gone high *tech*, linking you to the latest developments in disease prevention, health promotion, and policy

change. There is no better evidence of this than the companion website for *Health: The Basics* on the Allyn and Bacon website (http://www.abacon.com) and the special PIN-coded Interactive Companion website linked to this text. Each allows us the opportunity to provide new information as it occurs.

Trying to keep up with the emerging health market and health news in general can be frustrating; but as health educators and practitioners, it also can be very exciting. We have the opportunity to assist a new generation of students to become future "change" agents for health-not just in the arena of personal health behaviors, but in the larger realm of policy changes that can assist the global population as a whole. In short, this text is designed not just to help teach you health facts, but to help you think of health as a much broader concept, desired by all and deserved by all. Each of you provides a starting place for a better health future. By understanding the factors that contribute to your health risk and the health risks of those around you, exploring concepts provided in this text and contemplating action plans that might serve to reduce risk, and by utilizing the technological tools that we've provided, you take the first step in accessing better health. The decisions you make today become the building blocks for your future health as well as the health of future generations.

#### **NEW TO THIS EDITION**

This edition of *Health: The Basics* maintains many of the strong features it is known for while focusing on new trends and concepts that make *Health: The Basics* one of the most contemporary books for the 21st century. The 4th edition includes a major update of all pertinent information as well as the following specific changes:

- The special focus on consumer health issues is broadened with a special appendix, entitled Complementary and Alternative Medicine: New Choices, New Responsibilities, that is dedicated to understanding complementary and alternative medicine, its practical uses, and its appeal to the masses.
- With unintentional injuries one of the leading causes of premature death among young people, Chapter 4 on violence has been reorganized to explore both intentional and unintentional injuries.
- A broadened look at diversity that is more global in nature recognizes that the understanding of health and health concepts can no longer be limited to the influences of cultures inside American borders but rather to those that are greatly affected by international occurrences.
   This perspective is emphasized in a NEW box, "Health in a Diverse World," which appears in every chapter.
- NEW Health Headline boxes allow for in-depth looks at pertinent health issues prominent in today's news.
- NEW Reality Check boxes offer students data about trends on campus and about health issues that affect them personally and immediately.
- A minor reorganization of the book now places the Substance Abuse part earlier.
- NEW PIN-protected Interactive Companion website linked free with each text represents an exciting new study tool that uses the latest in multimedia to review, enrich, and expand upon key concepts presented in its companion textbook.

#### Maintaining a Standard of Excellence

In addition to the major changes noted above, this edition of *Health: The Basics* maintains and builds off the solid pedagogical standards established in previous editions:

- Chapter 1 establishes a strong decision-making strand that weaves its way throughout the book, incorporating the best-known models in behavior change. Decision making through critical thinking continues to form the cornerstone of every chapter, from the "What Do You Think?" scenarios and reflective questions throughout the chapter to the boxed features and the "Taking Charge" section at the end of the chapter.
- The role of community in disease prevention and health promotion is integrated throughout the text and in a special "Checklist for Change: Making Community Decisions" section within the "Taking Charge" wrap-up feature at the end of each chapter.
- Expanded coverage of multicultural and global issues
  will enhance your understanding of the diversity of the
  human experience and will help you to realize the interconnectedness of people throughout the world and the
  impact that has upon personal health.
- With a strong pedagogical framework, emphasis on building health skills is integrated consistently through-

out the text. You'll learn specific applications in every chapter through "Skills for Behavior Change" boxes, "Consumer Health" boxes, and in the "Taking Charge" section at the end of the chapter.

#### SPECIAL FEATURES

Each chapter of *Health: The Basics* includes the following special feature boxes designed to help you build health behavior skills as well as think about and apply the concepts. Three boxes complement the chapter information by providing further depth to specific topics. These include:

- "Health Headlines" boxes look at health "In the News."
  Health is an ever-changing field that makes the news in
  one way or another each and every day. Health Headlines
  boxes take a look at some of these hot discussions.
- "Reality Check" boxes focus attention on potential risks and safety issues, often as they relate to college-age students. Statistical information and occurrence rates help you recognize your own risks as they relate to particular subjects.
- "Health in a Diverse World" boxes promote acceptance
  of diversity on college campuses and assist you in adjusting to an increasingly diverse world. These boxes encourage an understanding of the global perspectives on health
  as they relate to current health issues.

In addition to these three conceptual boxes, two boxes focus on the development of skills necessary in obtaining optimum health. These include:

- "Consumer Health" boxes appear in each chapter and focus on health issues as they relate to consumer skills. This feature broadens the scope of awareness about consumer health while focusing on contemporary consumer issues.
- "Skills for Behavior Change" boxes offer specific skills
  that you can use in improving your health behavior. Topics include self-esteem building, cutting fat from your
  diet, and the positive relationship between diet and exercise, to name a few.

#### LEARNING AIDS

- Chapter Objectives Each chapter begins with a list of objectives tied to the major sections of the chapter to emphasize important topics. These objectives can serve as a helpful tool for you to use when learning the key concepts presented in the chapter.
- "What Do You Think?" chapter opening scenarios These scenarios prompt stimulating discussions that quickly involve you in the concepts to be presented in the chapters.

- "What Do You Think?" reflective questions These questions appear in major sections of every chapter to encourage you to think critically about important concepts as you read through the chapter.
- Margin Glossary of Key Terms For convenience and added emphasis, key terms are boldfaced in the text and defined in the margin close to the page where they are first introduced.
- "Accessing Health on the Internet" This special feature provides listings and addresses of Internet websites related to the subject matter of each chapter. Link directly into major health sites from around the world, such as the World Health Organization, the Centers for Disease Control and Prevention, and the National Institutes for Health, and discover what these major organizations are currently working on. A link to such sources brings you the latest information in a matter of seconds. Hundreds of additional links can be found on the Interactive Companion website, as well as on the Health: The Basics website.
- \*Taking Charge\* This special feature at the end of each chapter serves as a "wrap-up" to the entire chapter. This highly acclaimed feature directs you to review your personal attitudes and offers \*Checklists for Change\*, which outline specific actions you can take to change unhealthy behaviors, on both a personal and community level. In addition, this end-of-chapter section provides you with the opportunity to explore key concepts with the following study tools:
  - **Chapter Summary** Linked to the chapter opening learning objectives, these summaries provide a quick, ata-glance review of key points presented in each chapter.
  - **Discussion Questions** Tied to major sections of the chapter, these questions encourage you to consider important concepts from varying angles.
  - Application Exercises These exercises are linked to the chapter opening "What Do You Think?" scenarios and expand class discussion on these points.
- References Extensive listings of major sources used in researching each chapter are provided in the Reference section at the end of the text.

#### STUDENT SUPPLEMENTS

Available with *Health: The Basics, Fourth Edition*, is a comprehensive set of ancillary materials designed to enhance your learning.

▶ Health: The Basics Interactive Companion Website Using chapter highlights as the organizing structure of the website,

- the IC encourages you to apply what you have learned by presenting you with hundreds of links to audio and video clips, web sites, activities, and practice tests. These links are annotated with brief descriptions that help you understand the value and purpose of each media asset in the context of the chapter. The IC makes use of proven pedagogical techniques to guide you through your studies and help you reach beyond the covers of the printed text. This site can only be accessed by using the specially-assigned PIN code provided on the inside front cover.
- Thinking About Health: A Student Resource Manual This study guide includes language-enrichment sections for those of you who need special language assistance or who have difficulty with health vocabulary. A valuable study tool, it also provides a wealth of learning objectives, critical thinking exercises and activities, chapter summaries, key terms, review questions, and practice tests.
- Newly Revised! Take Charge of Your Health! Self-Assessment Workbook with Practice and Review Tests Using this self-assessment workbook along with Health: The Basics will assist you in acquiring a broader understanding of health issues, evaluating your attitudes and behaviors, and gaining a clearer picture of your overall health. Also included are general review questions and two practice tests for each chapter.
- Health Assessment Website You can further assess your individual health behaviors and plan a risk-reduction program by visiting this special site linked directly to the Health: The Basics website at www.abacon.com. This special assessment site link provides a number of customized assessment tools as well as links to numerous other health assessments provided by agencies from around the world.
- Health: The Basics Companion Website Log onto the Health: The Basics website at http://www.abacon.com to read about changing events in health and to test your knowledge further as you study for class using the Online Study Guide, containing numerous essay, multiple choice, matching, and true/false items for each chapter.

#### **INSTRUCTOR SUPPLEMENTS**

A full resource package accompanies *Health: The Basics* to assist the instructor with classroom preparation and presentation. The package includes an Instructor's Resource Manual with an array of suggested resources for enhancing learning. A Test Item File containing over 1,600 items, all of which are also available in its computerized version. The Allyn and Bacon Test Manager is an integrated suite of testing and assessment tools for Windows and Macintosh. You can use Test Manager to create professional-looking exams in just minutes by building tests from the existing database of

questions, editing questions, or writing your own. Course management features include a class roster, gradebook, and item analysis. Test Manager also has everything you need to create and administer online tests. For first-time users, there is a guided tour of the entire Test Manager system, and screen wizards to walk you through each area.

Classroom presentations can be enhanced using Power-point outline for instruction, the Digital Image Archive CD-ROM containing 200 images that can be incorporated into any electronic presentation program or onto overheads, the Digital Media Archive of digitized images and audio and video clips. The teaching package also includes a revised Health Transparency package containing over 180 images, many of which are NEW for this package.

In addition, instructors can obtain copies of individual videos or the entire set of the Allyn and Bacon *Total Health: Achieving Your Personal Best* video series that provides interactive critical thinking opportunities within the health classroom. This multidimensional package allows for distance learning, classroom discussion, remedial instruction, and tutorials for students.

#### **ACKNOWLEDGMENTS**

After writing four editions of Health: The Basics, there is only one thing we are certain of . . . it NEVER gets any easier. The complexities and considerations of publishing a book are too numerous to detail here. Fortunately, we've always had wonderful and competent people with whom we've worked on each book. From the excellent initial efforts of Joe Heider and Ted Bolen of Prentice Hall to continued professionalism of Allyn and Bacon editors Suzy Spivey and Joe Burns, I have always been pleased and grateful for the efforts of our publishing teams. As with any such work, the expertise of many are necessary to pull off a finished work that represents the best available health information source for college level students. In particular, we would like to thank Mary Kriener, senior developmental editor with the Allyn and Bacon group. It is somewhat unusual to have someone working in this capacity who has actual expertise in the area, and who is so enthusiastic about putting together a book that surpasses the competition. Her patience, wisdom, and painstaking attention to detail provided the foundation that ensures the continued success of Health: The Basics in the marketplace. To Mary and the countless other Allyn and Bacon staff members who worked overtime to help us meet ever-pressing deadlines without sacrificing the quality that readers have come to expect . . . thank you. With your help and direction, Health: The Basics continues to be among the leading texts in the health market today!

In addition to the Allyn and Bacon staff, many colleagues, students, and staff members have provided the feedback, reviews, extra time and assistance, and encouragement that have helped meet the demands of rigorous publishing dead-

lines over the years. With each edition of the book, your assistance has helped my vision for *Health: The Basics* become a reality. Rather than just being an up-scale version of a high school text, I have worked diligently to provide a text that is "alive" for readers. With each edition, I could not have developed a book like this one without the outstanding contributions of several key people. Whether acting as reviewers, generating new ideas, providing expert commentary, or writing chapters, these professionals have added their skills to a collective endeavor.

#### Contributors to the Fourth Edition

Dr. Patricia Ketcham (*University of Iowa*) for her work on Part III on substance abuse and the First Aid appendix since the inception of this project.

Sarah Hansen (*University of Iowa*)—Addictions and Addictive Behavior

Dr. Peggy Pederson (University of Northern Illinois)—Sexuality Donna Champeau (Oregon State University)—Death and Dying Dr. Rod Harter (Oregon State University)—Personal Fitness Dr. Susan Prows (Oregon State University)—Consumerism

In addition, Jessica Henderson provided much needed updating of the environmental health chapter and the HIV/AIDS section of the Infectious Disease material in this edition. We would also be remiss in not thanking Chris Eisenbarth, a doctoral student at Oregon State who has provided exceptional levels of assistance with library research, organization of key concepts, and materials acquisition in writing this text.

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Clearly, *Health: The Basics* continues to be an evolving "work in progress." With each new edition, we have built on the combined expertise of many colleagues throughout the country who are dedicated to the education and behavioral changes of students. Reviewers who have helped us with this fine tradition of excellence include:

## Reviewers for the Fourth Edition of Health: The Basics

Judy B. Baker, East Carolina University; Robert Bensley, Western Michigan University; Susan Butler, Emory University; Kim Clark, California State University-San Bernadino; Carl Fertman, University of Pittsburgh; Matthew Garrett, Blackburn College; Marty Mahieu, Augustana College; Jack Osman, Towson University; Mike Perko, University of North Carolina-Wilmington; Marianne Zeanah, University of Montevallo

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