THIRD EDITION

UALITY

ghts and Issues



Greenberg

Bruess

Millen

THIRD EDITION

SEXUALITY

Insights and Issues

Jerrold S. Greenberg University of Maryland

Clint E. Bruess University of Alabama – Birmingham

Kathleen D. Mullen University of North Carolina – Greensboro



Book Team

Editor Chris Rogers
Developmental Editor Susan J. McCormick
Production Editor Ann Fuerste
Designer Christopher E. Reese
Art Editor Mary E. Swift
Photo Editor Diane Saeugling
Permissions Editor Vicki Krug
Art Processor Amy L. Saffran
Visuals/Design Developmental Consultant Marilyn A. Phelps
Publishing Services Specialist Sherry Padden
Visuals/Design Freelance Specialist Mary L. Christianson
Marketing Manager Pamela S. Cooper
Advertising Manager Jodi Rymer

Brown & Benchmark

A Division of Wm. C. Brown Communications, Inc.

Vice President and General Manager Thomas E. Doran Editor in Chief Edgar J. Laube Executive Editor Ed Bartell Executive Editor Stan Stoga National Sales Manager Eric Ziegler Director of CourseResource Kathy Law Laube Director of CourseSystems Chris Rogers

Director of Marketing Sue Simon
Director of Production Vickie Putman Caughron
Imaging Group Manager Chuck Carpenter
Manager of Visuals and Design Faye M. Schilling
Design Manager Jac Tilton
Art Manager Janice Roerig
Permissions/Records Manager Connie Allendorf



Wm. C. Brown Communications, Inc.

Chairman Emeritus Wm. C. Brown
Chairman and Chief Executive Officer Mark C. Falb,
President and Chief Operating Officer G. Franklin Lewis
Corporate Vice President, President of WCB Manufacturing Roger Meyer

Cover © 1992 Succession H. Matisse, The Dance./Scala/Art Resource, New York.

Copyedited by Moira Urich

Cover and interior design by Mary Sailor

The credits section for this book begins on page 633 and is considered an extension of the copyright page.

Copyright © 1986, 1989, 1993 by Wm. C. Brown Communications, Inc. All rights reserved

Library of Congress Catalog Card Number: 92-54497

ISBN 0-697-10104-5

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, or otherwise, without the prior written permission of the publisher.

Printed in the United States of America by Wm. C. Brown Communications, Inc., 2460 Kerper Boulevard, Dubuque, IA 52001

We dedicate this book to those people around the world who have been diagnosed as HIV positive or who have AIDS. Their courage deserves admiration. We pray that a cure for AIDS and an immunization to protect against HIV are developed soon.



Free Copy

FOREWORD



We live in complicated times. We are bombarded with contradictory messages about sexuality which continue a proliferation of cultural and gender stereotypes, myths, and misinformation. Sexually transmitted diseases are

epidemic in the United States, with more than 700,000 cases of gonorrhea and 134,000 cases of syphilis each year, and as of early 1992 there were more than 210,000 reported cases of AIDS in the U.S. alone. More than 1.1 million women under twenty years of age become pregnant each year, and of these, 83 percent are unmarried and 38 percent terminate their pregnancy by abortion. Each year, nearly 100,000 women report being raped and 200,000 to 500,000 girls under age thirteen are sexually violated.

These are just some of the many social-sexual crises facing us. It seems, however, that Americans are poorly equipped to deal with these challenges. Recent surveys have concluded that the average American is sexually illiterate, often not understanding basic anatomical differences between men and women. In addition, the public fascination with and media sensationalism of sexually related news events testifies to a widespread lack of sexual awareness.

College courses in human sexuality play an integral role in combatting numerous social-sexual problems. Having taught human sexuality since 1986, I have seen students not only gain knowledge about sexual matters, but also learn something of equal or greater importance: they frequently discover aspects of themselves. Students are then able to take their greater awareness to their friends, roommates, dating partners, and families. As a result, there is a proliferation of cultural awareness and gender sensitivity, dissemination of accurate information, and the obliteration of harmful myths. It seems that human sexuality is unique in its potential to improve relationships, prevent diseases, provide insight into very personal difficulties, and promote acceptance of self and others.

Students of human sexuality frequently bring their dating partners, fiances, and spouses to class with them. They sometimes even have them read sections of their textbook. For these reasons, this text will serve students well. In this edition of Sexuality: Insights and Issues, Greenberg, Bruess, and Mullen provide a comprehensive discussion of all essential topics in sexuality. The new edition builds on the strengths of the previous edition and strikes a delicate balance between biological



and psychosocial bases of human sexuality. The authors have also skillfully integrated current research into the text. In addition, they have succeeded in making complex concepts and difficult material accessible to students.

This edition brings a stronger integration of biological processes with psychological, sociological, and cultural aspects of sexuality. Each chapter has been strengthened in that regard. In addition, the second chapter on cultural-historical perspectives lays an important foundation for later discussions of social and cultural dimensions of sexuality. Also, the research methods chapter provides a strong base for understanding scientific studies of sexuality. And unlike most texts that treat ethics as an afterthought, Sexuality: Insights and Issues emphasizes ethics in the beginning, highlighting all of its implications for the remaining chapters. Additionally, students will find the Code of Ethics of the American Association of Sex Educators, Counselors, and Therapists in an appendix, again pointing to the authors' sensitivity to these issues.

This book stands apart from many texts in its personal approach that will likely engage the reader. Information is presented with relevance to the individual, forming a context that facilitates learning about sexuality. I have faith that students will learn from Greenberg, Bruess, and Mullen, and that the student of sexuality and others in their world will benefit from their knowledge.

Seth C. Kalichman, Ph.D. Assistant Professor of Clinical Psychology Community Health Behavior Program Medical College of Wisconsin

PREFACE



It was not long ago that human sexuality was absent from college course offerings. Now the course is so popular that students cannot enroll in it until their junior or senior years. Likewise, it was only about twenty years ago that textbooks for

college-level human sexuality courses were few and far between. Now there are many texts from which to choose. More often than not, these books emphasize either the physiological-anatomical, the psychosocial, the behavioral, or the moral aspects of sexuality. We decided to write the first edition of Sexuality: Insights and Issues because it was our judgment that no one aspect of sexuality could be separated from the others, and no one aspect was most important. We wrote a text that presented all aspects of sexuality as interconnected and significant. It is this approach that differentiated the first edition of Sexuality: Insights and Issues from other sexuality texts, and we have maintained this approach in the third edition. Throughout this text you will find an emphasis on health and well-being based on the assumption that we are all sexual beings and that sexuality should be viewed in its totality—with biological, spiritual, psychological, and social/cultural dimensions.

In addition, we have incorporated findings from learning specialists who tell us learning best occurs when students are actively involved. That explains the numerous illustrations, as well as the many Issues, Insights, Inventories, and Did You Know? sections in each chapter. In some instances we provide specific answers to questions posed, but most of the time you will find that pat answers do not exist and responses require a good deal of thought. Discussing and dealing with the various ways to view a particular issue can, in itself, be educational and helpful.

Fundamental to the approach of this book, then, is an emphasis on sexuality as an important part of well-being, on learner involvement, and on confronting controversial issues. We cannot and will not attempt to tell you what is right for you. Rather, we hope our approach to the study of human sexuality helps you investigate the topic rationally and with an open mind so you can make appropriate choices for yourself.



When preparing this third edition of *Sexuality: Insights and Issues*, we asked many of the first- and second-edition users what they found valuable and what we might revise. Based on this feedback, we have made numerous changes to improve the text. Among these changes are the following:

- 1. The text includes new part titles that reflect the reorganization of the chapters.
 - Part 1, "Sexual Groundings: Culture and Sexuality," now includes chapters on sexuality and you, cultural-historical aspects of sexuality, sex research, and sexual ethics, morality, and laws.
 - Part 2, "Sexuality and Our Bodies: Biology and Sexuality," now includes chapters on sexual anatomy, sexual response and arousal, sexual hormones, fertility control, and conception, pregnancy, and birth.
 - Part 3, "Sexuality and Behavior: Psychological and Behavioral Aspects of Sexuality," now includes chapters on sexual communication, techniques of sexual arousal, masculinity and femininity, sexuality through the life cycle, homosexuality, and family living.
 - Part 4, "Sexual Problems: Clinical and Social Sexual Problems," now includes chapters on sexual dysfunction and therapy, sexual diseases, forcible sexual behavior, and sexual consumerism.
 - Part 5 is the "Epilogue" and includes a chapter describing what the future may hold in terms of our sexuality. It is based on the sexual research currently being conducted and the sexual values and attitudes in our society.
- 2. Each chapter has been revised to include the most up-to-date research, governmental regulations and laws, and Supreme Court decisions. The text also covers current trends and the evolution of societal beliefs.
- 3. Each chapter now includes a new feature called "Did You Know?" Several of these boxed inserts appear in each chapter and present either controversial beliefs or late-breaking information. This material lends itself to involved student discussion.
- 4. Other boxed inserts entitled "Issue," "Inventory," and "Insight" have been updated to present current information.
- 5. References have been updated, and suggested reading lists have been made more current and more extensive.
- Also new to this edition is the running glossary that defines key terms on the page on which they are first used. These terms are then also included in the end-ofbook glossary.
- 7. The latest studies of significance to sexuality have been added to chapter 3, "Sex Research." Such research includes the findings of Reinisch and Beasley, Wyatt, DeBuono, Forrest and Singh, Sroka, Kegeles, Hingson, Mosher, Saluter, Flewelling and Bauman, Thornton, and Eisen. In addition, research methods and different types of studies have been described in greater detail.
- 8. Several timely issues are discussed in chapter 4, "Sexual Ethics, Morality, and the Law." These include the treatment of AIDS patients by insurance companies, the lay public, and health professionals. Also included are discussions of the use of fetal brain tissue for medical experimention and treatment, the morality of RU 486 as a new method of abortion, and the practice of becoming pregnant in order to use a product of the newborn (such as bone marrow) to benefit others.
- 9. Detailed explanations of hormonal influences on prenatal development, the determination of sex, and the development of sex characteristics are new to chapter 7, "Sexual Hormones." Both normal and abnormal sexual differentiation

- are addressed. Also discussed is the determination of a person's sex for the 1992 Olympic Games and the limitations of the test used by the games' organizers.
- 10. Also in chapter 7, the discussion of premenstrual syndrome (PMS) is significantly expanded to include varying views regarding its existence, nature, prevalence, and available treatment alternatives. Chapter 7 also addresses the social implications and controversies surrounding PMS.
- 11. In chapter 8, "Fertility Control," the infertility section now includes new methods of detecting infertility. Other new or expanded topics include landmarks in reproductive technology, transcervical balloon tuboplasty (TBT) to treat infertility, oral contraceptives and their relationship to various illnesses and diseases, the relationship between contraceptive methods and different types of cancer, the contraceptive hormonal implant, the recently approved female condom, and the controversy surrounding the use of RU 486.
- 12. In chapter 9, "Conception, Pregnancy, and Birth," a section describing the reasons for the increase in ectopic pregnancies is new, and discussions of the relationship among nutrition, exercise, and the use of drugs and medications was expanded. Several tables are new, as well as an "Issue" box that discusses whether cesarean (C-) sections are used too often.
- 13. Chapter 10, "Sexual Communication," contains an expanded discussion of how to give and receive criticism related to sexuality. In addition, the communication techniques presented are made relevant to college students.
- 14. In chapter 14, "Homosexuality," theories regarding the development of sexuality (homosexuality, heterosexuality, and bisexuality) have been expanded and organized into biological theories (genetic and hormonal theories), psychological theories, learned behavior theories, and integrated theories. Thus, the development of homosexuality is considered along with the development of heterosexuality.
- 15. The chapter on homosexuality also includes recent landmark studies that shed light on the causes of sexual orientation. Examples are Simon LeVay's research identifying a part of the brain that varies between heterosexual and homosexual men, and the work of J. Michael Bailey and Richard Pillard, who found that the more genetically similar brothers were, the more likely both would be homosexual. In addition, this chapter includes an expanded discussion of homosexuality and AIDS.
- 16. Chapter 15, "Family Living," includes an expanded discussion of the federal government's response to the needs of families and offers a more detailed presentation of the proposed Family and Medical Leave Act.
- 17. Chapter 16, "Sexual Dysfunction and Therapy," now includes the behavior therapy model, as well as a discussion of the techniques of systematic desensitization and shaping. Another addition to that chapter is a discussion of the self-care model of sexual therapy.
- 18. The latest statistics, treatments, medications, and societal responses to AIDS have been incorporated into chapter 17, "Sexual Diseases." In that chapter, readers can learn skills to communicate with sexual partners about safer sex practices. In addition, given the prevalence of genital warts among college-age adults, the discussion of this sexually transmitted disease is now more detailed.
- 19. In chapter 18 on "Forcible Sexual Behavior," the discussion of rape has been expanded, with new emphasis on date rape and acquaintance rape. Sexual harassment is more fully presented, and numerous sources of help for sexual harassment are cited.

Preface xxi

In addition to these revisions, we maintained the features from the second edition of Sexuality: Insights and Issues that users valued. These include the following:

- 1. Parts. The book is divided into five parts: "Sexual Groundings: Culture and Sexuality," "Sexuality and Our Bodies: Biology and Sexuality," "Sexuality and Behavior: Psychological and Behavioral Aspects of Sexuality," "Sexual Problems: Clinical and Social Sexual Problems," and the "Epilogue." These parts allow instructors to better organize their sexuality courses by focusing, if they choose, on either the cultural, biological, psychological, clinical, or sociological aspects of human sexuality.
- Issue Boxes. Instructors and students who previously used this text reported that the issues presented are thought provoking, allow topics to be explored in more depth, and can enliven classroom discussions.
- Insight Boxes. Readers appreciated the succinct grouping of various topics or the
 presentation of further information in the Insight boxes. Professors report that this
 element helps them to better organize for instruction.
- 4. **Inventory Boxes.** By completing the inventory questionnaires, students can assess their position on various topics and learn more about their attitudes.
- 5. **Did You Know? Boxes.** These sections provide detailed information on select topics to help the readers gain further insight.
- 6. Reader-Centered Activities. Students learn best when they are actively involved in the learning process. We have maintained the many inventories, questionnaires, scales, and other activities that help the reader better relate to the content and enhance the effectiveness of the instruction they receive.
- 7. Personal Writing Style. We have written to the reader as an individual rather than as a group. In addition, information is presented in a manner that is interesting and fun to read.
- 8. **Nonjudgmental.** We consider the philosophical, sociological, historical, and moral perspectives of each topic and present the material in a nonjudgmental manner. We recognize the importance of values, family background, religious upbringing, ethnicity, social class, and culture in deciding sexual issues.
- 9. **Glossary.** At the end of this text is an extensive glossary of words used within the chapters. These words are boldfaced and defined in the chapters where they first appear. Thus, a reader who comes across an unfamiliar word can consult either the running glossary throughout the text or the end-of-book glossary.

This edition of Sexuality: Insights and Issues again offers a complete ancillary package to supplement the text and provide everything you need for this course.

The Instructor's Manual to accompany Sexuality: Insights and Issues, 3/e is written by Susan J. Laing and includes learning objectives, chapter overviews, chapter outlines, discussion questions/essay items, teaching strategies, and audiovisual resources for each chapter, as well as a listing of resources related to sexuality.

Also available is a printed Test Item File containing approximately 1,000 multiple choice, true/false, and matching questions. We also offer these test items on our computerized testing and grading system, TestPak 3.0, which is available in IBM compatible, Apple, and Mac versions and is provided free to adopters of the text. The Sexuality: Insights and Issues 3/e Transparency Set, prepared by Seth Kalichman, includes 30 original two- and five-color acetates with an accompanying guide for classroom use.

The Brown & Benchmark Video Library offers several videotapes that can be extremely helpful in teaching your sexuality course. Also available to you is *The AIDS Booklet*, 2/e, by Frank Cox, a 64-page book which is updated and revised semi-annually. Please contact your local sales representative with further questions regarding these and any other supplements for this course.

Traditionally there has been a great deal of ignorance about sexuality. To make matters worse, many of us have been too embarrassed to admit that we didn't know something or that we wanted further information and/or help concerning certain sexual topics. Lack of sexual knowledge and a hesitancy to openly and honestly communicate about the subject have led to a great deal of misunderstanding, pain, and sorrow. We hope that our comprehensive coverage of human sexuality, with an emphasis on scientific accuracy, will help eliminate this problem. In our view, a better understanding of human sexuality—its major components and its relationship to the many facets of human existence—will help people live happier and more satisfying lives. We feel fortunate to have a chance to once again help with that task, even more effectively than before, in this third edition of Sexuality: Insights and Issues.

Acknowledgments

Producing a textbook as comprehensive as Sexuality: Insights and Issues requires a great deal of cooperation and encouragement. We had plenty of both. Our Brown and Benchmark family includes our editor, Chris Rogers, and our developmental editor, Susie McCormick. Chris spurred us on to do our best writing and was available to run interference between us and the volumes of paperwork a text of this nature requires. Susie suggested ways to better organize our presentation and possible additions and deletions. We acknowledge and appreciate their help.

Numerous reviewers, all experts in human sexuality, provided us with other ways of looking at issues, suggested areas we should emphasize either more or less, and verified the accuracy of our content. Invariably their advice resulted in more work, more research, as well as a significant amount of frustration, but it is because of these reviewers' comments that the third edition of Sexuality: Insights and Issues is as scientifically accurate, as well organized, and as well written as it is. We thank them for their assistance: Ann Engin, University of South Carolina; Karen Lee Fontaine, Purdue University-Calumet Campus; Patrick Butler, San Jose City College; Peter Maneno, Normandale Community College; Verna Buchanan, Wichita State University; Lois Shofer, Essex Community College; Gary Hodge, Collins Community College; Susanne Wick McKenzie, Dawson College; Ann Auleb, San Francisco State; Seth C. Kalichman, Medical College of Wisconsin; Robert Pollack, University of Georgia.

We also thank the many instructors and students who used the previous editions of Sexuality: Insights and Issues for their feedback. They helped to make this text even more appropriate to college students of human sexuality than it might otherwise have been. We hope the revisions make their courses, and the courses of those who will follow them, that much better.

Finally, we thank our families and friends for understanding our unavailability during the "writing season," our dispositions during the times we wrestled with perplexing issues, and our concentration upon sexuality when everyone else was paying attention to the World Series or the Superbowl. We recognize these inconveniences and quirks and our families' and friends' tolerances of them. We thank them for that. This text reflects their sacrifice as well as ours.



Renoir, The Luncheon of the Boating Party. Washington, D.C. Phillips Collection (9795)/Bridgeman/Art Resource, New York.

BRIEF CONTENTS

Foreword xvii Preface xix

PART 1

SEXUAL GROUNDINGS

Culture and Sexuality

- 1 Sexuality and You 2
- 2 Cultural-Historic Aspects of Sexuality 14
- 3 Sex Research: What Have We Learned? 34
- 4 Sexual Ethics, Morality, and the Law 61

PART 2

SEXUALITY AND OUR BODIES

Biology and Sexuality

- 5 Sexual Anatomy: Your Biological Self 90
- 6 Sexual Response and Arousal 114
- 7 Sexual Hormones 134
- 8 Fertility Control 162
- 9 Conception, Pregnancy, and Birth 221

PART 3

SEXUALITY AND BEHAVIOR

Psychological and Behavioral Aspects of Sexuality

- 10 Sexual Communication 276
- 11 Techniques of Sexual Arousal 294
- 12 Masculinity/Femininity 316
- 13 Sexuality through the Life Cycle 342
- 14 Homosexuality 382
- 15 Family Living 403

PART 4

SEXUAL PROBLEMS

Clinical and Social Sexual Problems

- 16 Sexual Dysfunction and Therapy 436
- 17 Sexual Diseases 465
- 18 Forcible Sexual Behavior 515
- 19 Sexual Consumerism 547

PART 5

EPILOGUE

The Sexual Future

APPENDIX A Code of Ethics of the American Association of Sex Educators, Counselors, and Therapists 587 APPENDIX B Resources 597

References 601 Glossary 621 Credits 633 Index 635



EXPANDED CONTENTS

Foreword xvii Preface xix

PART 1

SEXUAL GROUNDINGS

Culture and Sexuality

- 1 SEXUALITY AND YOU 2
 A Comprehensive View of
 Sexuality 3
 Why Study Sexuality? 6
 Deciding Sexual Issues 10
 Changing Concepts of
 Human Sexuality 12
 Main Points 13
 Suggested Readings 13
- 2 CULTURAL-HISTORIC
 ASPECTS OF SEXUALITY 14
 Cultural Influences 15
 Social Class, Race, and
 Religion 18
 The Sexual Revolution 21
 Control of Sexual Behavior 24
 Conception 27
 Contraception 28
 Women's Roles 29
 Main Points 32
 Suggested Readings 33
- 3 SEX RESEARCH: WHAT HAVE WE LEARNED? 34 Research Methods 36 Survey Research 36 Case Studies 37 Experimental Research 37 Direct Observation 37 Issues in Sexuality Research 37 Early Sexuality Researchers 39 Richard von Krafft-Ebing 39 Henry Havelock Ellis 40 Sigmund Freud 40 Twentieth-Century Sexuality Researchers 40 Scientific Literature 41 Popular Literature 49 Other Examples of Recent Research 52 Sexuality Research and You 57 What Next? 58 Main Points 59 Suggested Readings 60

4 SEXUAL ETHICS, MORALITY, AND THE

LAW 61

Ethics—The Bases for Making Decisions 64

Moral Decision Making 66

Sexual Behavior and

Morality 66

Sexually Transmitted

Diseases 67

Sexual Activity between

Unmarried Partners 69

Sodomy 69

Contraception 72

Abortion 72

Amniocentesis 73

Fetal Tissue Implantation 74

Prostitution 75

In Vitro Fertilization 75 RU 486 76 Sexual Responsibility to a Partner 78 Laws Regulating Sexual Behavior 79 Homosexual Activity 80 Obscenity and Pornography Rape 82 Statutory Rape 82 Adultery 82 Divorce 83 Sterilization 84 Conclusion 84

Main Points 84

Suggested Readings 86

PART 2

SEXUALITY AND OUR BODIES

Biology and Sexuality

5 SEXUAL ANATOMY: YOUR BIOLOGICAL SELF 90

The Female Reproductive

System 91

The External Genitals 91

The Internal Genitals 93

The Breasts 100

The Male Reproductive

System 102

The External Genitals 102

The Internal Genitals 106

Body Image 110

Main Points 111

Suggested Readings 113

6 SEXUAL RESPONSE AND AROUSAL 114

Sexual Arousal and

Response 115

The Masters and Johnson

Sexual Response Cycle 115 Male-Female Similarities 116

Male-Female Differences 117

Other Theoretical Models of Sexual Response 124

Orgasm 127

The Physiology of

Orgasm 127

Orgasmic Sensation 128

Controversies about

Orgasm 130

Main Points 132

Suggested Readings 133

7 SEXUAL HORMONES 134

The Endocrine System 135

Hormonal Influences on Prenatal

Development: Becoming

Male or Female 136

Normal Sexual

Differentiation 136

Abnormal Sexual

Differentiation 138

Hormones and Puberty:

Becoming an Adult 140

Secondary Sex Characteristics

Male Reproductive

Capacity 141

Menstruation 142
Menarche 142
Menstrual Physiology 142
Phases of the Menstrual
Cycle 143
Effects of Menstruation on the
Body and Mind 145
Menstrual Problems 146
The Menstrual Cycle and
Sex 151
Pregnancy and Lactation 153
Menopause 155
Male Climacteric 157
Hormone Therapy 158
Main Points 158
Suggested Readings 161

FERTILITY CONTROL 162

8 FERTILITY CONTROL 162 Infertility 163 Causes of Infertility 163 Treatment for Infertility 166 Alternative Methods of Conception 168 Artificial Insemination 168 Test-Tube Babies 171 Embryo Transplant 172 Surrogate Motherhood 173 Gamete Intrafallopian Transfer (GIFT) 175 Other Technologies 175 Contraception 175 Methods of Birth Control What's in Store? 195 Choosing a Contraceptive No Contraception 198 Sterilization 204 Male Sterilization 204 Female Sterilization 206 Abortion 209 The Procedures 210 A Matter for Consideration The Law and the Debate 211 Emotions and Abortion 214 Abortion Statistics 215 Main Points 219 Suggested Readings 220

9 CONCEPTION, PREGNANCY, AND BIRTH 221 Conception 222 Implantation 222 Pregnancy 224 Confirming Pregnancy 226 Presumptive Signs 226 Probable Signs 227 Positive Signs 227 Pregnancy Tests 228 Fetal Development 228 The First Trimester 230 The Second Trimester 232 The Third Trimester 232 Bearing a Healthy Infant: Prenatal Choices 233 Birth Attendant Options 234 Birthing Alternatives 234 Prenatal Care 243 Nutrition and Weight Gain 243 Exercise during Pregnancy Threats to Having a Healthy Infant 246 Drugs and Other Substances 247 Diseases 253 Rh Incompatibility 254 Testing for Disorders 254 Maternal Health Problems during Pregnancy 257 Hypertension 257 Nausea and Vomiting 258 Hemorrhoids 258 Other Conditions 258 Parturition 259 Labor 259 Delivery 262 Delivery of Placenta 263 Drugs Used in Childbirth 263 Natural Childbirth 264 Cesarean Section 265 Premature Birth 265 Breast-Feeding 268 Sexual Activity during Pregnancy and after Delivery 270 Main Points 272 Suggested Readings 273