# The Eighth Edition: A Major Revision

This, the eighth edition, is the first edition of this book in the twenty-first century, nearly 20 years after the first edition was published in 1983. When a book reaches its eighth edition, it typically generates two reactions from instructors:

- 1. The book must be successful to have lasted this long, and
- **2.** The eighth edition likely is not much different from the seventh edition.

We acknowledge the accuracy of the first impression—more than half a million students have used previous editions. However, to instructors who might have the second perception of *Life-Span Development*, eighth edition, we optimistically challenge you to put it to the test. With the most extensive input from instructors, research experts, and students any edition of the book has ever received, the inclusion of many new topics, deletion of other topics, an extensive reworking, updating, and expansion of material on adolescence and adult development and aging, a new design, and line-by-line revision of material, *we are confident that you will find that the eighth edition of* Life-Span Development *is significantly different from the seventh edition and that you will be pleasantly surprised.* 

"My impression is that John Santrock's text is the most comprehensive life-span text suitable for undergraduates now available. The 8th edition has been strengthened by giving greater coverage and depth to the 75 percent of the life span spent in adulthood and old age. There has been significant updating of material as well. . . . The coverage is comprehensive and up-to-date without heavy emphasis on transitory fads. . . . My enthusiasm for this book is high."

> K. Warner Schaie Pennsylvania State University

"This edition of John Santrock's Life-Span Development is significantly better than the previous one. This is not just a new edition. It is a better textbook."

> Gary Allen University of South Carolina

#### **The Burrston House Story**

Burrston House has very successfully developed textbooks for more than a decade and put their skills to work on the eighth edition of *Life-Span Development*. They conduct focus groups as well as extensive reviews of a book by having an unusually large number of instructors who teach the course provide *ex*- *tremely detailed* reviews of every chapter. Essentially, they seek to discover what instructors want in a book for their course, so the author can revise the book accordingly. They then subject the manuscript to another extensive and exhaustive set of reviews in order to test the author's changes and to produce a foundation for further refinement in a final draft. A unique aspect of the Burrston House approach is that after reviewing an individual chapter, instructors grade the chapter from A to F in terms of how effectively the chapter meets their needs.

For *Life-Span Development*, reviewers initially evaluated the seventh edition and then subsequent drafts of the eighth edition. *The results were dramatic*. Many of the chapters in the seventh edition, especially the chapters on adulthood and aging, averaged in the B to B- range in terms of whether instructors believed they were appropriate for their life-span course. Virtually all of the final drafts of the chapters for the eighth edition were rated in the A range (and most in the very high A range), indicating that for a wide range of instructors they were outstanding and exactly what they were looking for in their course.

#### What Did We Learn?

#### **From Instructors**

What do most instructors really want from a life-span development text? To find out, we obtained detailed input from more than 40 instructors who teach the life-span course—some of whom had used previous editions of this book and a large number of whom have used other texts.

#### Expansion of Material on Adult Development and Aging

Instructors especially told us that most life-span texts don't give enough attention to adult development and aging. We took this seriously and significantly modified, expanded, and updated the material on adult development and aging in the eighth edition.

"John Santrock has made significant improvements in the coverage of adult development and aging in the 8th edition of his book. It is refreshing to see a developmental textbook that does not 'slack off' in the adulthood years. I appreciate your expanded coverage of adult development and I firmly believe others will too. Every chapter of the book has been improved, not just in adult development and aging, but in the entire book." Meredith Cohen University of Pittsburgh

"The 8th edition is significantly improved. I am very pleased with the expanded coverage in the adult chapters." Ava Craig Sacramento City College

#### **Balanced Coverage**

Instructors said they want balanced coverage of all the life-span periods and of physical, cognitive, and socioeconomic development. We increased coverage of physical development in the chapters on early childhood, middle childhood, adolescence, and adulthood. We increased coverage of cognitive development in the chapters on adulthood. We modified coverage of socioemotional development to include more relevant topics.

"Santrock is broader and has more balanced coverage for each period of development than other books."

> Ava Craig Sacramento City College

"Santrock's text has balanced coverage of all domains—physical, cognitive, and socioemotional. And it is highly readable." Jean Seitz University of Memphis

#### **The Most Contemporary Research**

Every effort was made to infuse *Life-Span Development*, eighth edition, with the most up-to-date coverage of research that is available. To this end, every research area was carefully examined and new research was added where appropriate. For example, this new edition has more than 500 new citations from the twenty-first century alone. Also, to ensure that the research in every area of the text is very contemporary, a number of experts in different areas of life-span development served as consultants on the book. We will describe their efforts shortly. Also, later in the preface when we describe the main changes in each chapter, we will list the highlights of new research.

#### Level

Focus-group participants and reviewers told us that many texts on life-span development have become unnecessarily high-level and include too many details about research that go over their students' heads. Instructors encouraged us to include the latest research on life-span development, and we did, but in presenting the research, we made every effort to present it at a level that will challenge and interest students but not overwhelm them. Reviewers consistently informed us that the level of the research descriptions were just right for students taking their first course on life-span development.

#### **Careers in Life-Span Development**

Instructors and students told us that they would like to see more information about the range of careers in life-span development. To meet this need, descriptions of individuals in various careers in life-span development appear in every chapter. Students also will read about careers in life-span development in chapter 1.

#### Sensitivity to Gender and Ethnicity

Another effort we undertook was to be especially sensitive to coverage of gender and ethnicity issues—in the book's content, in the photographs chosen, and in the use of gender-neutral language. The Sociocultural Worlds of Development boxes that appear in many chapters capture how culture, ethnicity, and gender influence life-span development. Also, many new photographs that illustrate cultural and ethnic diversity were added to this new edition of the book. A diversity expert, Algea Harrison-Hale, evaluated the entire book to ensure that the text and photographs reflected a high standard of diversity.

#### An Exciting, Very Well-Written Book

Instructors also said they want a text that is exciting and well written. We worked very hard to make this book one that students will truly enjoy reading and studying.

"Santrock's text shows a deep appreciation for the mystery and beauty of development and life itself. I especially like the attention to diversity and to positive aging."

> Nancy Rankin University of New England

"Santrock's writing style makes his books. Other books in this area do not compare well in terms of the writing style used." Jean Seitz University of Memphis

"Santrock's writing is very nice, very readable, and overall quite engaging."

Debra Hollister Valencia Community College

#### A Much Improved, Cleaner, Open, Dynamic Look

Instructors also told us that they wanted a life-span text that was not cluttered and busy. To this end, *Life-Span Development* underwent a major design overall. This included going from the previous edition's dense two-column design with lots of special features and boxes to a more open, one-column look with fewer boxes and special features in this new edition. Also, the colors used in the new edition are much brighter and more appealing for today's student.

# Supplements with Exceptional Utility and Quality

Our extensive surveys of instructors and focus groups told us how important the "everyday" ancillaries, such as an Instructor's Resource Manual, the test bank, and transparencies/Power Point slides are. This came through loud and clear. Thus, we spent considerable time revamping these important supplements. We also extensively updated and expanded the technology ancillaries. The ancillaries are described further toward the end of the preface.

## **From Experts**

What do experts in various areas of life-span development say is the most important research content to be included in an undergraduate text? To find out, we enlisted the input of thirteen leading world experts in different age ranges and different content areas.

No single author can possibly be an expert in all areas of lifespan development. With research information on life-span development exploding in all age periods and content areas, input from a number of experts is an extremely valuable asset. Our experts provided detailed recommendations on new research to include in every period of the life span.

The experts for this book literally are a Who's Who in the field of life-span development. Their photographs and biographies appear on pages 000–000.

## **From Students**

Not surprisingly, students told us they want a book that is exciting and well written and provides good learning aids, especially visual ones. They also want lots of Internet connections to further explore topics in the text that interest them. To that end, we have made a special effort to include high-interest topics that are personally relevant to students, clarify the writing with appropriate examples, and include extensive Internet connections.

# **Chapter-by-Chapter Changes**

To illustrate some of the substantial content changes in the eighth edition of Life-Span Development, let's briefly examine each of the twenty-one chapters. Virtually all of these changes were made in response to requests from instructors who teach the life-span course and leading research experts in life-span development.



#### **CHAPTER 1** Introduction

Exploration of why life-span development is an important college course

Updated coverage of characteristics of the life-span perspective

Career biographies on a professor of human development and a child clinical psychologist

Expanded discussion of careers in life-span development

"This first chapter very clearly outlines the life-span perspective and the nature of development. It gives the reader a sense of breadth/depth of the issues."

> Patrick K. Ackles University of Illinois at Chicago



#### CHAPTER 2 The Science of Life-Span Development

New figures diagonally displayed on page to illustrate the staircase-like nature of stage theories—Freud's, Piaget's, and Erikson's

New sections at the end of each set of theoretical perspectives describing strengths and weaknesses

Complete overhaul of coverage of the information-processing perspective

New section on Pavlov's classical conditioning theory Completely rewritten methods section for improved clarity New section on research journals

- Career biographies on a director of human subjects protection and an educational psychologist
- "Strenghts of this chapter include the strong theoretical approach and the extensive inclusion of the scientific approach." Ava Craig Sacramento City College



#### CHAPTER 3 Biological Beginnings

Extensively revised, updated discussion of evolution and life-span development

New coverage of mitosis and meiosis, including an easy-to-understand visual presentation of these processes.

Reorganization of heredity section—the discussion of abnormalities now follows the discussion of genetic principles

- New section on reproduction challenges and choices
- The material on intelligence moved to the section on heredity-environment interaction
- Extensively revised and updated coverage of heredity-environment interaction, including a discussion of Judith Harris' controversial book, *The Nurture Assumption*

Career biography on a genetic counselor

"This chapter is excellent and reflects the most important issues in the field of developmental psychobiology. . . . It is clearly written." Ross Thompson

University of Nebraska-Lincoln



# CHAPTER 4 Prenatal Development and Birth

Dramatic new Images of Life-Span Development opening section: "Tanner Roberts' Birth: A Fantastic Voyage" New section on cultural beliefs about pregnancy Extensive reorganization of teratology section New coverage of prescription and nonprescription drugs Updated research on cocaine and prenatal development New research on stress and pregnancy New section on positive prenatal development New section on the transition from fetus to newborn

"This chapter is extraordinarily well constructed, incorporating excellent examples, wonderful photographs, interesting boxes, and well-placed figures. Interesting and holds one's attention." Karla Miley, Black Hawk College

# CHAPTER 5 Physical Development in Infancy

New Images of Life-Span Development opening section: "Bottle- and Breast-Feeding in Africa" New material on shared sleeping Updated, expanded coverage of SIDS Extensively rewritten, updated discussion of breast-feeding New section on perceptual-motor coupling and unification Increased coverage of diversity

"The organization of this chapter is a strength and there are wonderful sections on motor development and perception." Ann Merriwether University of Michigan

#### CHAPTER 6 Cognitive Development in Infancy

Extensive revision, reorganization, and updating of section on information processing.

New section, "Learning and Remembering"

New section on conditioning; Rovee-Collier's research moved to this section

Extensively revised, updated discussion of memory in infancy New coverage of Fagan Test of Infant Intelligence

New organization of language section; development now procedes biological, environmental influences

New research on poverty and language development Motherese now discussed under topic of infant-directed speech Career biography of an infant assessment specialist

"Santrock does a great job of presenting a number of important theoretical perspectives with thoughtful discussions of their strengths and weaknesses. The reorganization of the language development section is also a strength. This is a strong chapter."

> Meredith Cohen University of Pittsburgh

# 3

# CHAPTER 7 Socioemotional Development in Infancy

Extensive reorganization of chapter; emotional development is now the first main topic of the chapter (in the seventh edition, it was the last section)

Improved clarity of information about what emotions are Updated coverage of goodness of fit and temperament New material on phases of infant attachment New coverage of Type D babies New section on caregiving styles and attachment New research on day care Career biography on a day-care director

"This is an excellent chapter, as I had expected. It reflects the most important issues in the field of early socioemotional development and it is well-written and engaging with discussions of the central concerns for the field."

Ross Thompson University of Nebraska-Lincoln



#### CHAPTER 8 Physical and Cognitive Development in Early Childhood

New material on why some children are unusually short Very recent research (1999, 2000) on the use of brain scans to

document changes in the brain in early childhood New discussion of handedness and brain hemispheres Expanded, updated coverage of Vygotksy's theory Extensive examination of applying Vygotsky's theory to education New comparison of Piaget and Vygotsky, including a summary figure New section on strategies, including recent research (Chen &

Siegler, 2000) More streamlined discussion of language development

Career biographies on a pediatric nurse, an early childhood educator, and a Head Start director

"This chapter is well organized with a nice flow and has really solid sections on Piaget and Vygotsky. Overall a very solid chapter."

> Ann Merriwether University of Michigan



#### CHAPTER 9 Socioemotional Development in Early Childhood

New Images of Life-Span Development opening section: "Sarah and Her Developing Morality and Values"

Extensive reorganization of chapter; emotional and personality development now start the chapter, followed by families, peers, and TV

New discussion of emotional development in early childhood Additional examples of parenting styles

- New section on parenting, nature, and nurture, with very recent citations (2000)
- New section on the fact that parenting takes time and effort, with very recent citations (2000)

Extensive revision and updating of discussion of divorce and children New section on television and cognitive development

Increased coverage of diversity

Career biography on a child social worker

"Great chapter! I am impressed with how succinct yet comprehensive it is. Typically, I find more to criticize but found this chapter to be clearly written and up-to-date." Craig Hart

Brigham Young University



#### CHAPTER 10 Physical and Cognitive Development in Middle and Late Childhood

Updated research on how much exercise children are getting Deletion of section on stress; reviewers believed it was inappropriate for this chapter

- Considerable expansion of material on physical development, including new sections on accidents and injuries, obesity, and cancer
- Very contemporary coverage of educational issues involving children with disabilities

Expanded, updated discussion of Piaget applied to education

- Expanded, updated coverage of critical thinking
- Expanded, updated exploration of metacognition
- Updated coverage of Gardner's eight frames of mind
- Updated, revised examination of reading

Updated, revised coverage of bilingualism

Career biographies on a child life specialist, a science museum curator and research specialist, a program supervisor for gifted and talented children, and a speech pathologist

"This chapter is a great chapter. The summary tables and graphic organizers are excellent. The section on children with disabilities is excellent. A great discussion of multiple intelligences."

> Gaby Vandergiessen Fairmont State College



#### CHAPTER 11 Socioemotional Development in Middle and Late Childhood

Chapter restructured; emotional and personality development now precede contexts (families, peers, and schools)

New discussion of research on self-esteem New section on developmental changes in emotion Revised and updated examination of emotional intelligence Revised, updated labeling and definitions of Kohlberg's stages New material on strategies teachers and parents can use to in-

crease children's prosocial behavior

New section with very up-to-date research on bullying

- Extensively updated and expanded discussion of socioeconomic status and ethnicity in schools, including Jonathan Kozol's observations
- Career biographies on a director for social emotional education, a school psychologist, and a child psychiatrist

"This chapter is extremely well written and does an excellent job of describing the socioemotional development of middle and late childhood for ethnic minority children. This chapter is an example of how texts should handle diversity issues." Algea Harrison-Hale Oakland University



#### CHAPTER 12 Physical and Cognitive Development in Adolescence

Substantial increase in the amount of coverage given to puberty and physical changes Extensive increase in coverage of adolescent sexuality New section on body image New section on STDs in adolescence New section on cigarette smoking in adolescence New section on adolescent health and adolescence as a critical juncture in health New section on leading causes of death in adolescence New section on information processing with a focus on decision making and critical thinking New section on moral education New section on service learning

Career biography on a high school guidance counselor

"A strength of the chapter now is the complete discussion of physical changes associated with puberty including sequence and sexual development."

> Krista Forrest University of Nebraska-Kearney



#### CHAPTER 13 Socioemotional Development in Adolescence

- Extensive reorganization of chapter; identity now is the first major chapter topic, followed by social contexts (families, peers, and culture) and problems/disorders
- Drug abuse and eating disorders moved to previous chapter because of their physical connections

Updated, revised discussion of identity's components

Updated coverage of attachment in adolescence

Much-expanded exploration of dating, including developmental changes and emotional aspects

New coverage of immigration by ethnic minorities in the United States

New section on youth violence

Career biographies on a counseling psychologist and a health psychologist

"This chapter is concise, well stated, and readable. I liked the way identity formation is explained. A primary chapter strength is the ease with which students can read this information. The topics included also are a strength."

> Kathy Manuel Bossier Parish Community College



#### CHAPTER 14 Physical and Cognitive Development in Early Adulthood

New Images of Life-Span Development opening section: "Flo Jo" New introductory material on the criteria for becoming an adult

and the new concept of "emerging adulthood" (Arnett, 2000) New commentary about returning students Updated, revised coverage of eating and weight, including new section on restrained eaters

New discussion of cigarette smoking

New section on sexually transmitted diseases

Completely rewritten and updated discussion of careers and work New sections on values and careers, finding the right career, and work

Career biographies on a college/career counselor, a university professor, health psychology researcher, and university president, a university professor and researcher, and a clinical psychologist

"I liked this chapter a lot. It was well written and organized. I liked the outline and the way it flowed."

Renee Babcock Central Michigan University



#### CHAPTER 15 Socioemotional Development in Early Adulthood

Substantial reorganization of chapter: Continuity and discontinuity now open of chapter, intimacy now opens section on faces of love, friendship now follows affectionate love just before discussion of loneliness

Much-expanded coverage of continuity and discontinuity with a focus on longitudinal research studies on temperament and attachment

New section on female, male, and female-male friendships New staircase visual presentation of stages in the family life cycle Extensive revision, expansion, and updating of marital relation-

ships, including Gottman's recent research New section on the benefits of a good marriage

New section on cohabiting adults

Expanded coverage of remarried couples

New section on gay and lesbian couples

Career biographies on a clinical psychologist and a parent educator



#### CHAPTER 16 Physical and Cognitive Development in Middle Adulthood

New introductory material on baby-boom cohorts in middle age Considerable expansion, revision, and very contemporary updat-

- ing of material on physical changes in middle age
- Recent research from the MacArthur Foundation Study of Mid-Life (Brim, 1999)
- New sections on strength, joints, and bones; sleep; and health and social relationships
- New section on mortality rates in middle age

New discussion of cross-cultural variations in menopause

- Extensively revised and updated examination of hormone replacement therapy
- Extensive expansion and updating of coverage of cognitive development in middle adulthood

New discussion of crystallized and fluid intelligence in middle age

New discussion of Schaie's Seattle Longitudinal Study of Intelligence in this chapter

Expanded coverage of information processing in middle age

New section on expertise

New section on career challenges and changes in middle age Expanded and updated exploration of religion and meaning of life

New section on religion and health

Career biography on a pastoral counselor

"A major strength of the chapter by far is the expanded coverage of cognitive development in middle adulthood." Meredith Cohen

University of Pittsburgh



#### CHAPTER 17 Socioemotional Development in Middle Adulthood

Extensive reorganization of chapter: adult personality theories now begin the chapter

- Reorganization within personality theories for clearer presentation with two main types of theories now discussed: stage and life-events
- New stand-alone section on midlife crisis
- New research by the MacArthur Foundation documenting that midlife crises are exaggerated
- Updated coverage of Costa and McCrae's Baltimore Longitudinal Study, including cross-cultural information
- New research by Labouvie-Vief and others (2000) on developmental aspects of midlife personality traits

New research on divorce, marital happiness, and middle age New section on parenting conceptions

- Extensively expanded, updated coverage of intergenerational relationships
- Career biography on a professor of human development and a researcher on families and women's issues
- "This chapter is informative, well written, and insightful. It offers a nice blend of both theoretical and empirical scholarship and draws on a wide array of research evidence to provide students with a comprehensive overview of what we know about midlife development. This book offers an important life-span view of development."

Phyllis Moen Cornell University



#### CHAPTER 18 Physical Development in Late Adulthood

Updated data on life expectancy in the United States, new data on African Americans, and new data on life expectancy around the world

- New date on the percentage of older adults in different countries around the world
- New data on life expectancy at 65

Updated, expanded coverage of research on centenarians

- New material on the importance of thinking about age in terms of functional age rather than only in terms of chronological age
- New, updated research on telomeres and aging, including photograph of telomeres

New research on neurogenesis New section on physical appearance and aging New section on touch and aging More streamlined, clearer presentation of health treatment Career biography on a geriatric nurse

"A very engaging chapter. Examples are really attention-getting. Some challenging areas (brain, theories of aging) are covered well at a very nice level for students. I love how this chapter presents such a positive view of aging and breaks down stereotypes."

> Ann Merriwether University of Michigan



#### CHAPTER 19 Cognitive Development in Late Adulthood

New discussion of the decline in explicit memory in older adults

New section on memory beliefs, including recent research (2000) New research on links between complex work and intellectual

functioning in older adults (Schooler & others, 1999) New research on links between exercise and thinking (Kramer & others, 1999)

Important new section, "Use It or Lose It"

Recent research on how cognitive training can remediate cognitive decline (Saczynski & others, 1999)

Updated, rewritten section on work

Extensive updating and expansion of material on dementias, Alzheimer's disease, and other afflictions

New section on the stages of Alzheimer's disease New discussion of elder mistreatment New research on praying and longevity

"I found this chapter to be very well written, clear, and organized. I enjoyed reading it very much and found it informative and enlightening. The section on memory is very good."

> David Mitchell Loyola University–Chicago

#### CHAPTER 20 Socioemotional Development in Late Adulthood

New Images of Life-Span Development opening section: "Bob Cousy"

Major reorganization of chapter; expanded section "Theories of Socioemotional Development" now starts the chapter

- Important new theory discussed in depth: Carstensen's socioemotional selectivity theory
- New staircase figure showing personal investment of people at different points in adult development

Revised section with new title: "Older Adults in Society"

- Recent research on older adults' friendships (Jerome & Wenger, 1999)
- Revised, updated, clearer presentation of social support and social integration

Revised, updated, expanded coverage of successful aging with this now placed at the final section in the chapter

Career biography on a psychology professor and director of a women's studies program

\* "My list of positive reactions about this chapter could go on and on—I like the presentation on ageism, the succinct description of social theories of aging, and the great coverage of ethnicity, gender, and culture. What can I say—I like it all."

> Karla Miley Black Hawk College



#### CHAPTER 21 Death and Grieving

New Images of Life-Span Development opening section: "Princess Di's Death"

New discussion of the Natural Death Act and advanced directive Revised, updated coverage of euthanasia

Recent research on physicians' attitudes about active euthanasia Revised, clearer presentation of Kübler-Ross' theory Recent research on healthy grieving and family communication

Recent research on the link between religion and mourning/funeral rituals

Biographies on a geropsychologist and a certified grief counselor

"This chapter offers an abundance of useful information on a variety of topics related to death, dying, and grief. John Santrock has made a diligent effort to discover and include updated material." Robert Kastenbaum

Arizona State University

# Technology

An important new addition to the eighth edition of *Life-Span Development* is the presence of a large number of relevant Internet connections. In every chapter, labeled icons in the margins signal students that by going to the website for this book, they can connect with other websites to read further about a topic that interests them. There are 15 to 45 of these in every chapter. This allows for more in-depth exploration about the topic than is usually possible in the text itself.

Also, a new end-of-chapter feature called "Taking It to the Net" presents students with problem-solving exercises that require them to visit the websites listed.

### Improved Instructor- and Student-Driven Pedagogy

Students not only should be challenged to study hard and think more deeply and productively about life-span development, they also should be provided with a pedagogical framework to help them learn more effectively. The learning and study aids we will describe next, some of which are unique to this text and many of which are new to this edition, have been class-tested with students and endorsed by them. As a consequence, we are more confident than ever before that your students will find this edition of *Life-Span Development* to be a very student-friendly book. Following are some of the new pedagogical features in this editions, descriptions and visuals of which can be found in this text's visual preface.

#### **Careers in Life-Span Development**

This new feature was especially encouraged by instructors and reviewers. One to five times in each chapter, students will read about real people in careers related to the content in that chapter. Each of these boxes describes the educational background of the individual and what her or his job entails. These boxes give students information about a wide range of careers in life-span development, helping them reflect on whether they might want to pursue one of these careers.

#### **Cross-Linkages**

Reviewers recommended that we provide more connections and links with material across chapters. To accomplish this, we created a new pedagogical feature that is unique to life-span development texts. The new *cross-linkages* refer students to the primary discussions of key concepts. Each time a key concept occurs in a chapter subsequent to its initial coverage, the page reference for its initial coverage is embedded in the text with a backward-pointing arrow.

#### **Cognitive Maps**

Instructor and student reviewers said they liked the cognitive map at the end of the chapter but thought that it also should be placed at the beginning of the chapter. We not only added an overall cognitive map of the chapter at the beginning of the chapter but, in addition, added mini cognitive maps, which are unique in life-span development texts, throughout the chapters. Students now get many visual looks at the organization of the material: Each chapter opens with a cognitive map of the entire chapter, then several times within the chapter they see mini cognitive maps that give them an ongoing visual picture of what they will be reading next, and finally at the end of the chapter, the overall cognitive map is presented again along with reminders to study the summary tables, which are page-referenced.

#### **Revised Summary Tables**

Summary tables have been a popular feature in *Life-Span Development*. However, reviewers recommended that we modify them in two ways: (1) make them shorter and less dense, and (2) use bullets to highlight important characteristics and descriptions of material. We made both of these changes and believe that the summary tables are now even more effective for helping students get a handle on important concepts as they go through each chapter.

#### **Key People**

At the recommendation of reviewers, we have added at the end of each chapter a page-referenced list of the most important theorists and researchers discussed in the chapter.

#### Acknowledgments

A project of this magnitude requires the efforts of a great many people. I owe special gratitude to Rebecca Hope, Senior Sponsoring Editor, and to Sharon Geary, Director of Development and Media, for their outstanding guidance and support. I also benefited enormously from Glenn Turner's extensive, detailed analysis and recommendations. Chris Hall, marketing manager, also made special contributions to the book's direction and presentation. Jane Vaicunas, Editorial Director, Thalia Dorwick, editorial vice president, and Bob McLaughlin, national sales manager, also deserve a great deal of thanks for their support of this book. I also want to give special thanks to Marilyn Rothenberger, Project Manager, and Wendy Nelson, copy editor, for their outstanding work on the book's production. I value not only the extraordinary, competent professional relationship I have with these individuals, but also their friendship.

#### **General Text Reviewers**

I also owe a special gratitude to the instructors who teach the life-span course and have provided detailed feedback about the book. Substantial changes in the eighth edition of *Life-Span Development* are based on their feedback. In this regard, I thank the following individuals.

#### **User/Nonuser Pre-revision Reviewers**

Saundra Y. Boyd, Houston Community College Ann Brandt-Williams, Glendale Community College Tom L. Day, Weber State University Mary B. Eberly, Oakland University Ramona O. Hopkins, Brigham Young University Susan Horton, Mesa Community College Kevin Keating, Broward Community College Pete Peterson, Johnson County Community College Robert Poresky, Kansas State University Mark P. Rittman, Cuyahoga Community College Nancy Sauerman, Kirkwood Community College Elisabeth Shaw, Texarkana College Donald M. Stanley, North Harris College

#### **Focus Group Participants**

Kathleen Corrigan Fuhs, J. Sargeant Reynolds Community College Ester Hanson, Prince George's Community College Stephen Werba, The Community College of Baltimore County–Catonsville Lilia Allen, Charles County Community College Linda B. Wilson, *Quincy College* Lynne Andreozzi Fontaine, *Community College of Rhode Island* Jean Berko Gleason, *Boston University* Stephanie Blecharczyk, *Keene State College* Karyn Mitchell Boutin, *Massasoit Community College* Alice D. Beyrent, *Hesser College* 

#### **Eighth Edition Full-Manuscript Reviewers**

Patrick K. Ackles, Michigan State University Gary L. Allen, University of South Carolina Renee L. Babcock, Central Michigan University Meredith Cohen, University of Pittsburgh Ava Craig, Sacramento City College Debra Hollister, Valencia Community College Heather Holmes-Lonergan, Metropolitan State College of Denver Karla Miley, Black Hawk College Nancy Rankin, University of New England Jean A. Steitz, The University of Memphis

#### **Eighth Edition Manuscript Chapter Reviewers**

Doreen Arcus, University of Massachusetts, Lowell Michelle Boyer-Pennington, Middle Tennessee State University Diane Cook, Gainesville College Darryl M. Dietrich, College of St. Scholastica Dan Fawaz, Georgia Perimeter College Dan Grangaard, Austin Community College Rea Gubler, Southern Utah University Laura Hanish, Arizona State University Amanda W. Harrist, Oklahoma State University Kathleen Day Hulbert, University of Massachusetts, Lowell Kathryn French Iroz, Utah Valley State College Kathy Manuel, Bossier Parish Community College Allan Mayotte, Riverland Community College Susan McClure, Westmoreland Community College Dorothy H. McDonald, Sandhills Community College Sharon McNeely, Northeastern Illinois University Jessica Miller, Mesa State College David B. Mitchell, Loyola University Christopher Quarto, Middle Tennessee State University Mark P. Rittman, Cuyahogo Community College Gregory Smith, University of Maryland Donald M. Stanley, North Harris College Stacy D. Thompson, Oklahoma State University Gaby Vandergiessen, Fairmont State College

#### **Expert Consultants**

As mentioned earlier in the preface, an extraordinary number of the world's leading experts on life-span development served as expert consultants for the eighth edition of *Life-Span Development*. Every chapter of the book benefited from their willingness to share their insights about the field of life-span development—what our state of knowledge is now and where it is going in the twenty-first century. Their biographies and photographs appear at the end of the preface.

Marc H. Bornstein, National Institute of Child Health & Development Robert Kastenbaum, Arizona State University Gisela Labouvie-Vief, Wayne State University Phyllis Moen, Cornell University Jean M. Mandler, University of California–San Diego Barry M. Lester, Women and Infant's Hospital K. Warner Schaie, Pennsylvania State University Julia Graber, Columbia University Toni Antonucci, University of Michigan–Institute for Social Research Algea O. Harrison-Hale, Oakland University Craig Hart, Brigham Young University Ravenna Helson, University of California–Berkeley Ross A. Thompson, University of Nebraska–Lincoln

#### **Reviewers of Previous Editions**

I also remain indebted to the following individuals who reviewed previous editions and whose suggestions have been carried forward into the current edition of the text:

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#### **Further Instructor Feedback**

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#### **Supplements**

The eighth edition of *Life-Span Development* is accompanied by a comprehensive and fully integrated array of supplemental materials, both print and electronic, written specifically for instructors and students of life-span development. In addition, a variety of generic supplements are available to further aid in the teaching and learning of life-span psychology.

The supplements listed here may accompany Santrock, *Life-Span Development*, eighth edition. Please contact your McGraw-Hill representative for details concerning policies, prices, and availability, as some restrictions may apply.

#### For the Instructor

Once again, based on comprehensive and extensive feedback from instructors, we spent considerable time and effort in expanding and improving the ancillary materials.

#### **Instructor's Manual**

Laurie Dickson, Northern Arizona State University Cynthia Jenkins, University of Texas, Dallas

This comprehensive manual has been fully revised to provide a variety of useful tools for both seasoned instructors and those new to the life-span development course. The Instructors Manual provides a focused introductory section on teaching the lifespan development course. This section covers helpful material for new instructors, including course-planning ideas, term paper ideas, and teaching resources. Additionally, the new Total Teaching Package begins each chapter and features a fully integrated outline to help instructors better use the many resources for the course. Instructors will find that all of the course resources available have been correlated to the main concepts in each chapter. Classroom activities and demonstrations, critical thinking exercises, and essay questions have been extensively revised, with new material and possible answers provided where appropriate. Research projects now take into account varying sizes and provide a useful timeline for their completion. The Instructor's Manual's other features include teaching tips, a guide for using the Internet in teaching, and comprehensive transparency, video, and film resources.

#### **Printed Test Bank**

Susan Horton, Mesa Community College

This comprehensive Test Bank has been extensively revised to include over 2,400 questions in a wide range of multiple-choice, fill-in-the-blank, critical thinking, and short-essay questions for each of the text's 21 chapters. Each item is classified as factual, conceptual, or applied, as defined by Benjamin Bloom's taxonomy of educational objectives, as well as keyed to the appropriate learning objective. Items that test knowledge of material in the textbook's boxes are also indicated for easy reference.

#### Computerized Test Bank (Mac/IBM) CD-ROM

The computerized test bank contains all of the questions in the print test bank and is available in both Macintosh and Windows platforms.

#### **Overhead Transparencies**

The overhead transparency package provides full-color acetates for use in the classroom. All of the images in this package are taken directly from the eighth edition of *Life-Span Development*, and they include key illustrations, tables, and charts that highlight key concepts in the course.

#### **Instructors Resource CD-ROM**

This resourceful tool offers instructors the opportunity to customize McGraw-Hill materials to create their lecture presentations. Resources included for instructors include the Instructor's Manual Materials, PowerPoint presentation slides, and the Image Database for life-span development.

#### The McGraw-Hill Developmental Psychology Image Bank

This set of 200 full-color images was developed using the best selection of our human development art and tables and is available online for both instructors and students on the text's Online Learning Center.

## **Online Learning Center**

The extensive website designed specifically to accompany Santrock, *Life-Span Development*, eighth edition, offers an array of resources for both instructor and student. For instructors, the website includes a full set of PowerPoint Presentations, hotlinks for the text's topical web links that appear in margins and for the Taking it to the Net exercises that appear at the end of each chapter. These resources and more can be found by logging on to the website at <u>http://www.mhhe.com/santrockld8</u>.

## **The AIDS Booklet**

#### Frank D. Cox

This brief but comprehensive text has been recently revised to provide the most up-to-date information about acquired immune deficiency syndrome (AIDS).

### **The Critical Thinker**

Richard Mayer and Fiona Goodchild of the University of California, Santa Barbara, use excepts from introductory psychology textbooks to show students how to think critically about psychology.

#### Annual Editions–Developmental Psychology

Published by Dushkin/McGraw-Hill, this is a collection of articles on topics related to the latest research and thinking in human development. These editions are updated annually and contain helpful features including a topic guide, an annotated table of contents, unit overviews, and a topical index. An Instructor's Guide containing testing materials is also available.

# Sources: Notable Selections in Human Development

This volume presents a collection of more than 40 articles, book excerpts, and research studies that have shaped the study of human development and our contemporary understanding of it. The selections are organized topically around major areas of study within human development. Each selection is preceded by a headnote that establishes the relevance of the article or study and provides biographical information of the author.

# **Taking Sides**

This debate-style reader is designed to introduce students to controversial viewpoints on the field's most crucial issues. Each issue is carefully framed for the student, and the pro and con essays represent the arguments of leading scholars and commentators in their fields. An Instructor's Guide containing testing material is available.

#### For the Students

#### **Student Study Guide**

by Anita Rosenfield, DeVry Institutes

The revised Study Guide has benefited from the author's experience in teaching courses in Student Success Strategies as well as student feedback on what makes an effective study guide. The Study Guide provides a complete introduction for students in the sections "How to Use this Study Guide" and "Guide to Academic Success." For each chapter, features include learning objectives from the Instructor's Manual and a guided review for students with highlighted key terms. A self-test section contains an interactive workbook for students to complete the fill-inthe-blank format that corresponds to the main text chapters and sections. In addition, new to this edition of the Student Study Guide are research project ideas for students as well as crossword puzzles and Internet exercises for more effective student learning.

#### Making the Grade CD-ROM

This user-friendly CD-ROM gives students an opportunity to test their comprehension of the course material. Written specifically to accompany Santrock, *Life-Span Development*, eighth edition, this CD-ROM provides 25 multiple-choice questions for each chapter to help students further test their understanding of key concepts. Feedback is provided for each question's answer. In addition, the CD-ROM provides a Learning Assessment questionnaire to help students discover which type of learner they are, of the three types covered in the program.

#### **Online Learning Center**

The extensive website designed specifically to accompany Santrock, *Life-Span Development*, eighth edition, offers an array of resources for instructors and students. For students, the website includes interactive quizzing and exercises as well as hotlinks for the text's topical web links that appear in the margins and for the Taking it to the Net exercises that appear at the end of each chapter. These resources and more can be found by logging on to the website at <u>http://www.mhhe.com/santrockld8.</u>

Guide to Life-Span Development for Future Educators

# Guide to Life-Span Development for Future Nurses

These new course supplements help students apply the concepts of human development to education. They contain informa-

#### **Resources for Improving Human Development**

This informative booklet provides descriptions and contact information for organizations and agencies that can provide helpful information, advice, and support related to particular problems or issues in life-span development. Recommended books and journals are also described and included. The booklet is organized by chronological order of the periods of the life span.