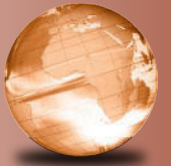


GLOBAL  
EDITION



# Lifespan Development

EIGHTH EDITION

Denise Boyd • Helen Bee



# Lifespan Development

Eighth Edition

Global Edition

**Denise Boyd**

*Houston Community College System*

**Helen Bee**



Pearson

---

Harlow, England • London • New York • Boston • San Francisco • Toronto • Sydney • Dubai • Singapore • Hong Kong  
Tokyo • Seoul • Taipei • New Delhi • Cape Town • São Paulo • Mexico City • Madrid • Amsterdam • Munich • Paris • Milan

# Lifespan Development, Global Edition

## Table of Contents

Cover

Title Page

Copyright Page

Brief Contents

Contents

Preface

Acknowledgments

About the Author

## 1 Basic Concepts and Methods

### 1.1 An Introduction to Human Development

1.1.1 Philosophical and Scientific Roots

1.1.2 The Lifespan Perspective

1.1.3 The Domains and Periods of Development

### 1.2 Key Issues in the Study of Human Development

1.2.1 Nature Versus Nurture

1.2.2 Continuity Versus Discontinuity

1.2.3 Three Kinds of Change

Research Report: An Example of a Cohort Effect: Children and Adolescents in the Great Depression

1.2.4 Contexts of Development

### 1.3 Research Methods

1.3.1 The Goals of Developmental Science

No Easy Answers: It Depends . . .

1.3.2 Descriptive Methods

1.3.3 The Experimental Method

### 1.4 Research Designs

1.4.1 Cross-Sectional, Longitudinal, and Sequential Designs

1.4.2 Cross-Cultural Research

1.4.3 Research Ethics

Summary: Basic Concepts and Methods



# **Table of Contents**

Chapter Test

## **2 Theories of Development**

### **2.1 Psychoanalytic Theories**

2.1.1 Freud's Psychosexual Theory

No Easy Answers The Repressed Memory Controversy

2.1.2 Erikson's Psychosocial Theory

2.1.3 Evaluation of Psychoanalytic Theories

### **2.2 Learning Theories**

2.2.1 Classical Conditioning

2.2.2 Skinner's Operant Conditioning

2.2.3 Bandura's Social-Cognitive Theory

2.2.4 Evaluation of Learning Theories

### **2.3 Cognitive Theories**

2.3.1 Piaget's Cognitive-Developmental Theory

2.3.2 Vygotsky's Sociocultural Theory

2.3.3 Information-Processing Theory

2.3.4 Evaluation of Cognitive Theories

### **2.4 Biological and Ecological Theories**

2.4.1 Behavior Genetics

2.4.2 Ecological Theories

2.4.3 Bronfenbrenner's Bioecological Theory

### **2.5 Comparing Theories**

2.5.1 Assumptions About Development

2.5.2 Usefulness

2.5.3 Eclecticism

Summary: Theories of Development

Chapter Test

## **3 Prenatal Development and Birth**

### **3.1 Conception and Genetics**

3.1.1 The Process of Conception

Research Report: Twins in Genetic Research

3.1.2 How Genes Influence Development

### **3.2 Genetic and Chromosomal Disorders**

3.2.1 Genetic Disorders

3.2.2 Chromosomal Errors

### **3.3 Pregnancy and Prenatal Development**

# **Table of Contents**

3.3.1 The Mothers Experience

3.3.2 Prenatal Development

3.3.3 Sex Differences

3.3.4 Prenatal Behavior

## **3.4 Substance-Related Problems in Prenatal Development**

3.4.1 How Teratogens Influence Development

3.4.2 Drugs, Tobacco, and Alcohol

## **3.5 Maternal Influences and Fetal Health**

3.5.1 Maternal Diseases

3.5.2 Other Maternal Influences on Prenatal Development

3.5.3 Fetal Assessment and Treatment

## **3.6 Birth and the Neonate**

3.6.1 Birth Choices

3.6.2 The Physical Process of Birth

3.6.3 Assessing the Neonate

3.6.4 Low Birth Weight and Preterm Birth

No Easy Answers: When Do Preterm Infants Catch Up?

Summary: Prenatal Development and Birth

Chapter Test

# **4 Physical, Sensory, and Perceptual Development in Infancy**

## **4.1 Neurological and Behavioral Changes in Infancy**

4.1.1 The Infants Brain and Nervous System

No Easy Answers: TV for Tots: How Much Is Too Much?

4.1.2 Reflexes and Behavioral States

## **4.2 Growth, Motor Skills, and Developing Body Systems**

4.2.1 Growth and Motor Skills

4.2.2 Explaining Motor Skills Development

4.2.3 Developing Body Systems

## **4.3 Infant Health and Wellness**

4.3.1 Nutrition

4.3.2 Malnutrition

4.3.3 Health Care and Immunizations

## **4.4 Infant Mortality**

4.4.1 Sudden Infant Death Syndrome

4.4.2 Group Differences in Infant Mortality

## **4.5 Sensory Skills**

# **Table of Contents**

4.5.1 Vision

4.5.2 Hearing and Other Senses

## **4.6 Perceptual Skills**

4.6.1 Studying Perceptual Development

4.6.2 Looking

Research Report: Langloiss Studies of Babies Preferences for Attractive Faces

4.6.3 Listening

4.6.4 Combining Information from Several Senses

4.6.5 Explaining Perceptual Development

Summary: Physical, Sensory, and Perceptual Development in Infancy

Chapter Test

## **5 Cognitive Development in Infancy**

### **5.1 Cognitive Changes and Intelligence in Infancy**

5.1.1 Piagets Sensorimotor Stage

5.1.2 Challenges to Piagets Explanation of Infant Cognitive Development

5.1.3 Alternative Approaches

5.1.4 Measuring Intelligence in Infancy

### **5.2 Learning, Categorizing, and Remembering**

5.2.1 Conditioning and Modeling

5.2.2 Schematic Learning

5.2.3 Memory

### **5.3 Theoretical Perspectives and Influences on Language Development**

5.3.1 Theoretical Perspectives

5.3.2 Influences on Language Development

### **5.4 Language Development Milestones**

5.4.1 Early Milestones of Language Development

Research Report: Early Gestural Language in the Children of Deaf Parents

5.4.2 The First Words

5.4.3 The First Sentences

5.4.4 Individual Differences in Language Development

5.4.5 Language Development Across Cultures

No Easy Answers: One Language or Two?

Summary: Cognitive Development in Infancy

Chapter Test

## **6 Social and Personality Development in Infancy**

# **Table of Contents**

## **6.1 Theories of Social and Personality Development**

6.1.1 Psychoanalytic Perspectives

6.1.2 Ethological Perspectives

No Easy Answers: Adoption and Development

## **6.2 Attachment**

6.2.1 The Parents Attachment to the Infant

6.2.2 The Infants Attachment to the Parents

## **6.3 Factors Influencing Attachment**

6.3.1 Variations in Attachment Quality

6.3.2 Caregiver Characteristics and Attachment

6.3.3 Long-Term Consequences of Attachment Quality

6.3.4 Cross-Cultural Research on Attachment

## **6.4 Personality, Temperament, and Self-Concept**

6.4.1 Dimensions of Temperament

6.4.2 Origins and Stability of Temperament

6.4.3 Self-Concept in Infancy

## **6.5 Effects of Nonparental Care**

6.5.1 Difficulties in Studying Nonparental Care

6.5.2 Effects on Physical and Cognitive Development

6.5.3 Effects on Social Development

6.5.4 Interpreting Research on Nonparental Care

Summary: Social and Personality Development in Infancy

Chapter Test

## **7 Physical and Cognitive Development in Early Childhood**

### **7.1 Physical Changes in Early Childhood**

7.1.1 Growth and Motor Development in Early Childhood

7.1.2 The Brain and Nervous System

### **7.2 Health and Wellness in Early Childhood**

7.2.1 Young Childrens Health-Care Needs

7.2.2 Abuse and Neglect

### **7.3 Piagets Preoperational Stage of Cognitive Development**

Research Report: Childrens Play and Cognitive Development

7.3.1 Piagets View of Early Childhood Thinking

7.3.2 Challenges to Piagets View

### **7.4 Other Cognitive Changes in Early Childhood**

7.4.1 Theories of Mind

# **Table of Contents**

7.4.2 Alternative Theories of Early Childhood Thinking

## **7.5 Changes in Language**

7.5.1 Fast-Mapping

7.5.2 The Grammar Explosion

7.5.3 Phonological Awareness

## **7.6 Individual Differences in Intelligence**

7.6.1 Measuring Intelligence

7.6.2 Origins of Individual Differences in Intelligence

7.6.3 Group Differences in Intelligence-Test Scores

No Easy Answers: To Test or Not to Test?

Summary: Physical and Cognitive Development in Early Childhood

Chapter Test

## **8 Social and Personality Development in Early Childhood**

### **8.1 Theories of Social and Personality Development**

8.1.1 Psychoanalytic Perspectives

8.1.2 Social-Cognitive Perspectives

Research Report: Racism in the Preschool Classroom

### **8.2 Personality and Self-Concept**

8.2.1 From Temperament to Personality

8.2.2 Self-Concept in Early Childhood

### **8.3 Gender Development**

8.3.1 Explaining Gender Development

8.3.2 Sex-Role Knowledge

8.3.3 Sex-Typed Behavior

### **8.4 Family Relationships and Parenting**

8.4.1 Attachment in Early Childhood

8.4.2 Parenting Styles

8.4.3 Ethnicity, Socioeconomic Status, and Parenting Styles

### **8.5 Family Structure**

8.5.1 Family Structure and Early Childhood

8.5.2 Divorce

8.5.3 Understanding the Effects of Family Structure and Divorce

### **8.6 Peer Relationships in Early Childhood**

8.6.1 Relating to Peers Through Play

8.6.2 Aggression

8.6.3 Prosocial Behavior and Friendships



# **Table of Contents**

Summary: Social and Personality Development in Early Childhood

Chapter Test

## **9 Physical and Cognitive Development in Middle Childhood**

### **9.1 Physical Changes in Middle Childhood**

9.1.1 Growth and Motor Development in Middle Childhood

9.1.2 The Brain and Nervous System

9.1.3 Health and Wellness in Middle Childhood

### **9.2 Cognitive Changes in Middle Childhood**

9.2.1 Language Development in Middle Childhood

9.2.2 Piagets Concrete Operational Stage

9.2.3 Direct Tests of Piagets View

9.2.4 Advances in Information-Processing Skills

### **9.3 Schooling in Middle Childhood**

9.3.1 Literacy

9.3.2 Second-Language Learners

### **9.4 Achievement and Intelligence**

9.4.1 Theories of Multiple Intelligences

9.4.2 Achievement Tests

No Easy Answers: IQ Testing in Schools

9.4.3 Group Differences in Achievement

### **9.5 Children With Special Needs**

9.5.1 Learning Disabilities

9.5.2 Attention-Deficit/Hyperactivity Disorder

Summary: Physical and Cognitive Development in Middle Childhood

Chapter Test

## **10 Social and Personality Development in Middle Childhood**

### **10.1 Theories of Social and Personality Development in Middle Childhood**

10.1.1 Psychoanalytic Perspectives

10.1.2 The Trait and Social-Cognitive Perspectives

### **10.2 Self-Concept in Middle Childhood**

10.2.1 The Psychological Self

10.2.2 The Valued Self

### **10.3 Advances in Social Cognition**

10.3.1 The Child as Psychologist

10.3.2 Moral Reasoning

# **Table of Contents**

## **10.4 Family and Peer Relationships in Middle Childhood**

10.4.1 Relationships With Parents

10.4.2 Friendships in Middle Childhood

10.4.3 Gender Self-Segregation

## **10.5 Aggression and Social Status**

10.5.1 Patterns of Aggression

No Easy Answers: Bullies and Victims

10.5.2 Social Status

## **10.6 Influences Beyond Family and Peers**

10.6.1 Poverty

10.6.2 Media Influences

Summary: Social and Personality Development in Middle Childhood

Chapter Test

## **11 Physical and Cognitive Development in Adolescence**

### **11.1 Physical Changes in Adolescence**

11.1.1 Brain Development and Physical Growth

11.1.2 Milestones of Puberty

11.1.3 The Timing of Puberty

### **11.2 Adolescent Sexuality**

11.2.1 Sexual Behavior

11.2.2 Adolescent Pregnancy

11.2.3 Sexual Minority Youth

### **11.3 Adolescent Health**

11.3.1 Sensation Seeking

11.3.2 Drugs, Alcohol, and Tobacco

11.3.3 Eating Disorders

11.3.4 Depression and Suicide

### **11.4 Changes in Thinking and Memory**

Research Report: Formal Operational Thinking and Everyday Problem Solving

11.4.1 Piagets Formal Operational Stage

11.4.2 Direct Tests of Piagets View

11.4.3 Advances in Information Processing

### **11.5 Adolescent Schooling**

11.5.1 Transition to Secondary School

11.5.2 Gender, Ethnicity, and Achievement in Science and Math

11.5.3 Dropping Out of High School

# **Table of Contents**

Summary: Physical and Cognitive Development in Adolescence

Chapter Test

## **12 Social and Personality Development in Adolescence**

### **12.1 Theories of Social and Personality Development in Adolescence**

12.1.1 Psychoanalytic Perspectives

12.1.2 Marcias Theory of Identity Achievement

### **12.2 Self-Concept in Adolescence**

12.2.1 Self-Understanding

12.2.2 Self-Esteem

12.2.3 Gender Roles

12.2.4 Ethnic Identity

### **12.3 Kohlbergs Approach to Moral Development**

12.3.1 Kohlbergs Theory of Moral Reasoning

12.3.2 Causes and Consequences of Moral Development

12.3.3 Criticisms of Kohlbergs Theory

12.3.4 Moral Development and Antisocial Behavior

No Easy Answers: Moral Development and Adolescent Aggression

### **12.4 Social Relationships**

12.4.1 Relationships With Parents

12.4.2 Friendships in Adolescence

12.4.3 Peer Groups

12.4.4 Romantic Relationships

Summary: Social and Personality Development in Adolescence

Chapter Test

## **13 Physical and Cognitive Development in Early Adulthood**

### **13.1 Physical Functioning**

13.1.1 Primary and Secondary Aging

13.1.2 The Brain and Nervous System in Early Adulthood

Research Report: Gender Differences in the Brain

13.1.3 Other Body Systems

No Easy Answers: Assisted Reproductive Technology

### **13.2 Health and Wellness in Early Adulthood**

13.2.1 Health Habits and Personal Factors

13.2.2 Sexually Transmitted Diseases

13.2.3 Intimate Partner Abuse

# **Table of Contents**

13.2.4 Mental Health in Early Adulthood

13.2.5 Substance Use and Abuse

## **13.3 Cognitive Changes in Early Adulthood**

13.3.1 Postformal Thought

13.3.2 Intelligence

## **13.4 Postsecondary Education**

13.4.1 Developmental Impact

13.4.2 Gender, Ethnicity, and Disability and the College Experience

Summary: Physical and Cognitive Development in Early Adulthood

Chapter Test

## **14 Social and Personality Development in Early Adulthood**

### **14.1 Theories of Social and Personality Development**

14.1.1 Eriksons Stage of Intimacy Versus Isolation

14.1.2 Levinsons Life Structures

14.1.3 Emerging Adulthood

### **14.2 Heterosexual Intimate Relationships**

14.2.1 Theories of Mate Selection

14.2.2 Marriage

No Easy Answers: Wedding Stress Management

14.2.3 Cohabiting Heterosexual Couples

### **14.3 Same-Sex Intimate Relationships and Singlehood**

14.3.1 Gay and Lesbian Couples

14.3.2 Singlehood

### **14.4 Parenthood and Other Relationships**

14.4.1 Parenthood

14.4.2 Social Networks

### **14.5 The Role of Worker**

14.5.1 Choosing a Career

14.5.2 Career Development

### **14.6 WorkLife Balance**

14.6.1 The Quality of WorkLife Movement

14.6.2 Womens Work Patterns

Summary: Social and Personality Development in Early Adulthood

Chapter Test

## **15 Physical and Cognitive Development in Middle Adulthood**

# **Table of Contents**

## **15.1 Reproductive Changes in Middle Adulthood**

15.1.1 Male Climacteric

15.1.2 Menopause

No Easy Answers: The Pros and Cons of Hormone Therapy

15.1.3 Sexual Activity

## **15.2 Other Physical Changes in Middle Adulthood**

15.2.1 The Brain and Nervous System in Middle Adulthood

15.2.2 The Skeletal System

15.2.3 Vision and Hearing

## **15.3 Health and Wellness in Middle Adulthood**

15.3.1 Cardiovascular Disease Risks

15.3.2 Cancer

15.3.3 Alcoholism

## **15.4 Health Disparities**

15.4.1 Gender and Health

15.4.2 Socioeconomic Class, Ethnicity, and Health

## **15.5 Cognitive Functioning in Middle Adulthood**

15.5.1 Models of Physical and Cognitive Aging

15.5.2 Health and Cognitive Functioning

15.5.3 Changes in Memory and Cognition

15.5.4 Creativity

Summary: Physical and Cognitive Development in Middle Adulthood

Chapter Test

## **16 Social and Personality Development in Middle Adulthood**

### **16.1 Theories of Social and Personality Development in Middle Adulthood**

16.1.1 Eriksons Generativity-Versus-Stagnation Stage

16.1.2 Midlife Crisis Fact or Fiction?

### **16.2 Changes in Relationships and Personality**

16.2.1 Partnerships

16.2.2 The Role of Caregiver

No Easy Answers: Who Cares for Aging Parents?

16.2.3 Grandparenting

16.2.4 Friends in Middle Adulthood

16.2.5 Continuity and Change in Personality

### **16.3 Midlife Career Issues**

16.3.1 Work Satisfaction



# **Table of Contents**

16.3.2 Job Performance

16.3.3 Unemployment and Career Transitions

16.3.4 Preparing for Retirement

Summary: Social and Personality Development in Middle Adulthood

Chapter Test

## **17 Physical and Cognitive Development in Late Adulthood**

### **17.1 Variability in Late Adulthood**

17.1.1 Life Expectancy and Longevity

No Easy Answers: The Global Demographic Crisis

17.1.2 Health

### **17.2 Physical Changes in Late Adulthood**

17.2.1 The Brain and Nervous System in Late Adulthood

17.2.2 The Senses

### **17.3 Causes and Effects of Biological Aging**

17.3.1 Theories of Biological Aging

17.3.2 Behavioral Effects of Biological Aging

### **17.4 Mental Health in Late Adulthood**

17.4.1 Alzheimers Disease and Other Dementias

Research Report: Mild Cognitive Impairment (MCI), Age-Associated Cognitive Decline (AACD), and Alzheimers Disease

17.4.2 Depression

### **17.5 Cognitive Changes in Late Adulthood**

17.5.1 Memory in Late Adulthood

17.5.2 Wisdom and Creativity

Summary: Physical and Cognitive Development in Late Adulthood

Chapter Test

## **18 Social and Personality Development in Late Adulthood**

### **18.1 Theories of Social and Personality Development in Late Adulthood**

18.1.1 Eriksons Stage of Ego Integrity Versus Despair

18.1.2 Other Theories of Late-Life Psychosocial Functioning

### **18.2 Individual Differences**

18.2.1 The Successful Aging Paradigm

18.2.2 Religious Coping

### **18.3 Changes in Living Arrangements Associated With Aging**

18.3.1 Aging in Place

# **Table of Contents**

Research Report: Filial Piety

18.3.2 Residential Options for Older Adults

No Easy Answers: Deciding on Nursing Home Care

## **18.4 Social Relationships in Late Adulthood**

18.4.1 Partnerships in Late Adulthood

18.4.2 Family Relationships and Friendships

18.4.3 Gender and Ethnic Differences in Social Networks

## **18.5 Career Issues in Late Life**

18.5.1 Timing of and Reasons for Retirement

18.5.2 Effects of Retirement

Summary: Social and Personality Development in Late Adulthood

Chapter Test

# **19 Death, Dying, and Bereavement**

## **19.1 The Experience of Death**

19.1.1 Death Itself

19.1.2 Where Death Occurs

## **19.2 The Meaning of Death Across the Lifespan**

19.2.1 Childrens and Adolescents Understanding of Death

19.2.2 The Meaning of Death for Adults

## **19.3 Fear of Death and Preparation for Death**

19.3.1 Fear of Death

19.3.2 Preparation for Death

No Easy Answers: Saying Good-Bye

## **19.4 The Process of Dying**

19.4.1 Kubler-Ross's Stages of Dying

19.4.2 Criticisms and Alternative Views

19.4.3 Responses to Impending Death

## **19.5 Theoretical Perspectives on Grieving**

19.5.1 Freuds Psychoanalytic Theory

19.5.2 Bowlbys Attachment Theory

19.5.3 Alternative Perspectives

## **19.6 The Experience of Grieving**

19.6.1 Psychosocial Functions of Death Rituals

19.6.2 The Process of Grieving

19.6.3 Widowhood

Research Report: Ethnicity and the Widowhood Effect

# **Table of Contents**

Summary: Death, Dying, and Bereavement

Chapter Test

Chapter Test Answer Key

Glossary

A

B

C

D

E

F

G

H

I

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

References

Credits

Name Index

## Table of Contents

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P  
Q  
R  
S  
T  
U  
V  
W  
X  
Y  
Z

Subject Index

A  
B  
C  
D  
E  
F

# **Table of Contents**

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

Back Cover