

CONTENTS IN BRIEF

LIST OF BOXES	xv	PART FOUR		Intellectual	
PREFACE	xvii	MIDDLE CHILDHOOD	259	Development in	
		8. Physical and		Middle Adulthood	481
		Intellectual		15. Personality and	
PART ONE		Development in		Social Development	
INTRODUCTION	1	Middle Childhood	261	in Middle	
1. About Human	3	9. Personality and		Adulthood	503
Development		Social Development			
		in Middle			
PART TWO		Childhood	299	PART EIGHT	
BEGINNINGS	37			LATE ADULTHOOD	531
2. Conception through	39	PART FIVE		16. Physical and	
Birth		ADOLESCENCE	339	Intellectual	
3. Physical		10. Physical and		Development in	
Development in		Intellectual		Late Adulthood	533
Infancy and		Development in		17. Personality and	
Toddlerhood	81	Adolescence	341	Social Development	
4. Intellectual		11. Personality and		in Late Adulthood	563
Development in		Social Development			
Infancy and		in Adolescence	375	PART NINE	
Toddlerhood	115			THE END OF LIFE	591
5. Personality and		PART SIX		18. Death and	
Social Development		YOUNG ADULTHOOD	409	Bereavement	593
in Infancy and		12. Physical and			
Toddlerhood	147	Intellectual		GLOSSARY	621
		Development in		BIBLIOGRAPHY	635
PART THREE		Young Adulthood	411	ACKNOWLEDGMENTS	673
EARLY CHILDHOOD	187	13. Personality and		INDEXES	
6. Physical and		Social Development		Name Index	I-1
Intellectual		in Young Adulthood	445	Subject Index	I-11
Development in					
Early Childhood	189	PART SEVEN			
7. Personality and		MIDDLE ADULTHOOD	479		
Social Development		14. Physical and			
in Early Childhood	223				

CONTENTS

LIST OF BOXES	xv
PREFACE	xvii

PART ONE

INTRODUCTION

1

CHAPTER 1

ABOUT HUMAN DEVELOPMENT

3

HUMAN DEVELOPMENT: THE SUBJECT AND THE TEXT

4

What Is Human Development?

4

How This Book Approaches the Study of Human Development

5

HUMAN DEVELOPMENT: THE STUDY AND ITS HISTORY

6

Aspects of Development

7

Periods of the Life Span

7

Individual Differences in Development

8

Influences on Development

9

How the Study of Human Development Developed

11

HUMAN DEVELOPMENT: THEORETICAL PERSPECTIVES

13

Theories and Hypotheses

13

Psychoanalytic Perspective

13

Mechanistic Perspective

18

Organismic Perspective

22

Humanistic Perspective

24

HUMAN DEVELOPMENT: RESEARCH

METHODS

26

Nonexperimental Methods

26

Experimental Methods

28

Methods of Data Collection

31

Ethical Issues in Human Research

32

A WORD TO STUDENTS

33

PART TWO

BEGINNINGS

37

CHAPTER 2

CONCEPTION THROUGH BIRTH

39

FERTILIZATION

41

HEREDITY AND ENVIRONMENT

42

The Hereditary Endowment

42

The Influence of Heredity and

Environment

50

PRENATAL DEVELOPMENT

57

Stages of Prenatal Development

57

The Prenatal Environment

62

Prenatal Assessment

69

BIRTH

71

Stages of Childbirth

72

Methods of Childbirth

72

Alternative Settings for Childbirth

74

CHAPTER 3

PHYSICAL DEVELOPMENT IN INFANCY AND TODDLERHOOD

81

THE NEONATE

82

Physical Characteristics

82

Body Systems

83

The Brain and Reflex Behaviors

84

IS THE BABY HEALTHY?

87

Medical and Behavioral Screening

87

Effects of Birth Trauma

90

Low Birth Weight and Infant Mortality

90

Sudden Infant Death Syndrome (SIDS)

95

THE DEVELOPING BABY

96

Principles of Development

96

An Infant's States

97

Growth and Nourishment

99

Early Sensory Capacities

102

Early Motor Development

105

How Different Are Boys and Girls?

110

CHAPTER 4		
INTELLECTUAL DEVELOPMENT IN INFANCY AND TODDLERHOOD	115	
HOW INFANTS LEARN	116	
Learning and Maturation	117	
Simple Learning	117	
Complex Learning	120	
Infants' Memory	120	
STUDYING INTELLECTUAL DEVELOPMENT: THREE APPROACHES	122	
Psychometric Approach: Intelligence Tests	123	
Piagetian Approach: Cognitive Stages	126	
Information-Processing Approach: Perceptions and Symbols	132	
DEVELOPMENT OF LANGUAGE	135	
Prelinguistic Speech	136	
Linguistic Speech	136	
Theories of Language Acquisition	138	
Influences on Language Acquisition	139	
DEVELOPMENT OF COMPETENCE	142	
What Influences Competence?	142	
How Can Parents Enhance Children's Competence?	143	
CHAPTER 5		
PERSONALITY AND SOCIAL DEVELOPMENT IN INFANCY AND TODDLERHOOD	147	
EARLY PERSONALITY DEVELOPMENT: TWO THEORIES	149	
Sigmund Freud: Psychosexual Theory	149	
Erik H. Erikson: Psychosocial Theory	150	
Evaluating the Theories	152	
EMOTIONS: THE FOUNDATION OF PERSONALITY	152	
How Babies' Emotions Are Studied	152	
How Babies' Emotions Develop: The Sense of Self	153	
How Babies Show Their Emotions.	154	
DIFFERENCES IN PERSONALITY DEVELOPMENT	156	
Emotional Differences	156	
Temperamental Differences	157	
Gender Differences	160	
THE FAMILY AND PERSONALITY DEVELOPMENT	161	
The Mother's Role	162	
The Father's Role	167	
Stranger Anxiety and Separation Anxiety	169	
The Role of Siblings—or Their Absence	170	
Disturbances in Family Relationships	173	
DEVELOPMENT OF SOCIABILITY	178	
Changes in Sociability	178	
Individual Differences in Sociability	178	
DEVELOPMENT OF SELF-CONTROL AND SELF-REGULATION	179	
Phases Leading to Self-Regulation	179	
Helping Babies Develop Self-Control and Self-Regulation	180	
PART THREE		
EARLY CHILDHOOD	187	
CHAPTER 6		
PHYSICAL AND INTELLECTUAL DEVELOPMENT IN EARLY CHILDHOOD	189	
Physical Development	191	
PHYSICAL GROWTH AND CHANGE	191	
Height, Weight, and Appearance	191	
Structural and Systemic Changes	191	
Nutrition	191	
HEALTH	192	
Health Problems	192	
Influences on Health	194	
MOTOR SKILLS	195	
Large-Muscle Coordination	195	
Small-Muscle and Eye-Hand Coordination	195	
SLEEP: PATTERNS AND PROBLEMS	197	
Normal Patterns	197	
Sleep Disturbances	198	
Intellectual Development	198	
ASPECTS OF INTELLECTUAL DEVELOPMENT	199	
Development of Memory: The Child as a Processor of Information	199	
Cognitive Development: Piaget's Preoperational Stage	200	
Development of Language	207	
Development of Intelligence	208	
THE WIDENING ENVIRONMENT	212	
Trends in Early Childhood Care and Schooling	212	
Day Care	212	
Preschool	215	
Kindergarten	217	
CHAPTER 7		
PERSONALITY AND SOCIAL DEVELOPMENT IN EARLY CHILDHOOD	223	
PERSONALITY IN EARLY CHILDHOOD: THEORETICAL VIEWS	225	
Freud's Psychosexual Theory: The Phallic Stage	226	
Psychosocial Theory: Erikson's Approach	227	
Social-Learning Theory: Observing and Imitating Models	228	
Cognitive-Developmental Theory: Mental Processes	229	
Cognitive-Social Theory: Gender Schema	230	
ASPECTS AND ISSUES OF PERSONALITY DEVELOPMENT	231	
How Gender Affects Personality	231	

Children's Play	237	Treatment Techniques	330
Fearfulness in Young Children	241	STRESS AND RESILIENCE	332
Aggression in Young Children	243	Psychological Maltreatment	332
Altruism: Prosocial Behavior	245	The "Hurried Child"	333
How Child-Rearing Practices Affect		Coping with Stress: The Resilient Child	333
Personality Development	247		
Relationships with Other Children	252		
PART FOUR			
MIDDLE CHILDHOOD	259	PART FIVE	
CHAPTER 8		ADOLESCENCE	339
PHYSICAL AND INTELLECTUAL		CHAPTER 10	
DEVELOPMENT IN MIDDLE CHILDHOOD	261	PHYSICAL AND INTELLECTUAL	
Physical Development	263	DEVELOPMENT IN ADOLESCENCE	341
GROWTH AND FITNESS	263	Physical Development	344
Nutrition	264	MATURATION IN ADOLESCENCE:	
Obesity	264	PUBESCENCE TO PUBERTY	344
Improving Children's Fitness	265	Timing of Sexual Maturation: The Secular	
MOTOR DEVELOPMENT	265	Trend	344
HEALTH	266	Physiological Changes of Adolescence	346
Minor Medical Conditions	267	Psychological Impact of Physical Changes	349
Vision and Visual Problems	267	HEALTH CONCERNS	351
Dental Health	268	Nutrition	351
Intellectual Development	268	Eating Disorders	351
ASPECTS OF INTELLECTUAL		Use and Abuse of Drugs	353
DEVELOPMENT IN MIDDLE CHILDHOOD	269	Sexually Transmitted Diseases (STDs)	356
Cognitive Development: Piaget's Stage		Death in Adolescence	356
of Concrete Operations	269	Intellectual Development	360
Moral Development: Three Theories	270	ASPECTS OF INTELLECTUAL	
Development of Memory: Information		DEVELOPMENT IN ADOLESCENCE	360
Processing	277	Cognitive Development: Piaget's Stage	
Development of Language	279	of Formal Operations	360
Development of Intelligence	281	Moral Development: Kohlberg's Levels	
CHILDREN IN SCHOOL	286	of Morality	362
The Teacher's Influence	286	Egocentrism	363
Parents' Influence	286	HIGH SCHOOL	364
Children with Disabilities	289	The Quality of Secondary Schooling	365
Gifted, Talented, and Creative Children	292	Home Influences on Students'	
		Achievement	365
		Dropping Out	367
		DEVELOPING A CAREER	368
		Stages in Vocational Planning	368
		Influences on Vocational Planning	369
CHAPTER 9		CHAPTER 11	
PERSONALITY AND SOCIAL		PERSONALITY AND SOCIAL	
DEVELOPMENT IN MIDDLE CHILDHOOD	299	DEVELOPMENT IN ADOLESCENCE	375
THE SELF-CONCEPT	301	UNDERSTANDING PERSONALITY	
Developing a Self-Concept	301	DEVELOPMENT	377
Theoretical Perspectives on the		Theoretical Perspectives	377
Self-Concept	304	Research on Identity	380
ASPECTS OF PERSONALITY		ASPECTS OF PERSONALITY	
DEVELOPMENT IN MIDDLE CHILDHOOD	305	DEVELOPMENT IN ADOLESCENCE	382
Everyday Life	305	Relationships with Parents and Peers	382
Life in the Peer Group	307	Achieving Sexual Identity	391
The Child in the Family	312	SOME PROBLEMS OF ADOLESCENCE	396
EMOTIONAL DISTURBANCES		Pregnancy	396
IN CHILDHOOD	326	Juvenile Delinquency	399
Disorders with Physical Symptoms	326		
Nonphysical Disturbances	327		

PERSONALITY STRENGTHS OF ADOLESCENTS	402	PHYSICAL CHANGES	483
PART SIX		Sensory and Psychomotor Functioning	483
YOUNG ADULthood	409	Changes in Reproductive and Sexual Capacity	484
CHAPTER 12		Appearance and Sexual Adjustment: The Double Standard of Aging	486
PHYSICAL AND INTELLECTUAL DEVELOPMENT IN YOUNG ADULthood	411	Loss of Reserve Capacity	487
Physical Development	413	HEALTH	488
SENSORY AND PSYCHOMOTOR FUNCTIONING	413	Health Status	488
HEALTH	413	Health Problems	488
Health Status	413	Intellectual Development	489
Influences on Health and Fitness	414	ASPECTS OF INTELLECTUAL DEVELOPMENT IN MIDDLE ADULthood	489
Intellectual Development	424	Intelligence and Cognition	489
ASPECTS OF INTELLECTUAL DEVELOPMENT IN YOUNG ADULthood	424	The Adult Learner	491
Intelligence and Cognition	425	WORK	492
Moral Development	429	Occupational Patterns	492
THE COLLEGE EXPERIENCE	432	Occupational Stress	492
Who Goes to College?	433	Unemployment	493
Intellectual and Personality Development in College	434	Changing Careers in Midlife	494
Gender Differences and Development in College	434	How Work Enhances Personal and Intellectual Growth	495
Leaving College	436	CHAPTER 15	
DEVELOPING A CAREER	436	PERSONALITY AND SOCIAL DEVELOPMENT IN MIDDLE ADULthood	503
Age-Related Attitudes and Behavior	437	NORMATIVE-CRISIS THEORY AND RESEARCH	506
Gender-Related Attitudes and Behavior	437	Erik Erikson: Crisis 7—Generativity versus Stagnation	506
CHAPTER 13		Robert Peck: Four Developments of Middle Age	508
PERSONALITY AND SOCIAL DEVELOPMENT IN YOUNG ADULthood	445	George Vaillant: The Grant Study of Harvard University Men	508
PERSONALITY DEVELOPMENT IN YOUNG ADULthood: TWO MODELS	447	Daniel Levinson: Studies of Men	509
Normative-Crisis Model	447	Women's Development in Middle Adulthood	511
Timing-of-Events Model	455	Evaluating the Normative-Crisis Model	512
INTIMATE RELATIONSHIPS AND PERSONAL LIFESTYLES	458	PERSONAL RELATIONSHIPS AND TIMING OF EVENTS	515
Love	458	Marriage and Divorce	516
Marriage	459	Sexual Relationships	518
Divorce	460	Relationships with Siblings	519
Single Life	462	Friendships	519
Cohabitation	463	Relationships with Maturing Children	520
Sexuality	464	Relationships with Aging Parents	523
Parenthood and Nonparenthood	465	PART EIGHT	
Friendship	474	LATE ADULthood	531
PART SEVEN		CHAPTER 16	
MIDDLE ADULthood	479	PHYSICAL AND INTELLECTUAL DEVELOPMENT IN LATE ADULthood	533
CHAPTER 14		Physical Development	539
PHYSICAL AND INTELLECTUAL DEVELOPMENT IN MIDDLE ADULthood	481	LONGEVITY AND THE AGING PROCESS	539
Physical Development	483	Life Expectancy	539
		Why People Age: Two Theories	540

PHYSICAL CHANGES	541	Remarriage	580
Sensory and Psychomotor Functioning	541	Single Life: The "Never Marrieds"	582
Other Physical Changes	544	Sexual Relationships	582
Loss of Reserve Capacity	544	Relationships with Siblings	583
HEALTH	544	Friendships	583
Influences on Health and Fitness	545	Parenthood	586
Health Care and Health Problems	546	Childlessness	586
Intellectual Development	550	Grandparenthood	586
ASPECTS OF INTELLECTUAL			
DEVELOPMENT	550		
Intelligence: Does Intelligence Decline			
in Late Adulthood?	550		
Memory	553		
Lifelong Learning	555		
WORK AND RETIREMENT	556		
Feelings about Retirement	557		
Making the Most of Retirement	557		
CHAPTER 17			
PERSONALITY AND SOCIAL			
DEVELOPMENT IN LATE ADULTHOOD	563		
THEORY AND RESEARCH ON			
PERSONALITY DEVELOPMENT	565		
Erik Erikson: Crisis 8—Integrity versus			
Despair	565		
Robert Peck: Three Crises of Late			
Adulthood	566		
Research on Changes in Personality	567		
AGING	568		
Aging Successfully	568		
Social Issues Related to Aging	570		
PERSONAL RELATIONSHIPS	576		
Marriage	577		
Divorce	578		
Widowhood	579		
		PART NINE	
		THE END OF LIFE	591
		CHAPTER 18	
		DEATH AND BEREAVEMENT	593
		THREE ASPECTS OF DEATH	595
		FACING DEATH	596
		Attitudes toward Death and Dying	
		across the Life Span	596
		Confronting One's Own Death	598
		Bereavement, Mourning, and Grief	601
		Helping People Deal with Dying and	
		Bereavement	605
		CONTROVERSIAL ISSUES OF DEATH AND	
		DYING	608
		Euthanasia and the Right to Die	608
		Suicide	611
		FINDING A PURPOSE IN LIFE AND DEATH	616
		The Meaning of Death	616
		Reviewing a Life	616
		GLOSSARY	621
		BIBLIOGRAPHY	635
		ACKNOWLEDGMENTS	673
		INDEXES	
		Name Index	I-1
		Subject Index	I-11