

Contents

Preface	xi
Acknowledgments	xiii
About the Editors	xiv
About the Contributors	xv
 SECTION I: Advances in Health Care and Coping With Loss in Schools	
Chapter 1: Advances in Health Care and Medical Science: Presenting New Challenges for Schools	2
<i>Paul C. McCabe and Steven R. Shaw</i>	
Advances in Medical Science	3
Increased Survival Rates	3
Greater Specificity of Medical Diagnosis and Treatment	3
Increased Emphasis on Outpatient Care	4
Changing Role of Schools	5
Increase in Pharmacological Interventions	5
Multidisciplinary Approach	6
Chapter 2: Grief and Bereavement: Roles for Educators	7
<i>Steven R. Shaw, Tiffany Chiu, and Khing Su Lin</i>	
Introduction	8
Background	9
Implications for Educators	10
How to Tell Students About a Death	10
Notification and Announcement Procedures	11
Parent Notification	11
Determine the Degree of Trauma	12
Concerns About Death Due to Suicide	12
Educational Strategies	13
The Roles of Principals	13
The Roles of Teachers	14
The Roles of Counselors, School Psychologists, and Social Workers	14

Discussion Questions	14
Research Summary	15
Resources	15
Handout—Grief and Bereavement in the Schools	16
SECTION II: Chromosomal, Genetic, and Metabolic Disorders	
Chapter 3: Rare Chromosomal Disorders	20
<i>Shohreh M. Rezazadeh and Steven R. Shaw</i>	
Introduction	21
Background	21
Genetics Evaluation	22
Chromosome Abnormalities	22
Potential for Intervention	23
Future Work	24
Implications for Educators	25
Educational Strategies	25
Discussion Questions	26
Research Summary	26
Resources	27
Handout—Children With Rare Chromosomal Disorders	28
Chapter 4: Phenylketonuria (PKU): Implications for Educators and Schools	29
<i>Paul C. McCabe and Lindsay Glasser</i>	
Introduction	30
Background	30
Prevalence, Symptoms, and Treatment	30
Cognitive and Neurological Effects	31
Maternal Phenylketonuria	32
Timing and Degree of Exposure	32
Implications for Educators	33
Dietary Compliance	34
Educational Strategies	35
Discussion Questions	35
Research Summary	36
Resources	36
Handout—Promoting the Well-Being of Children With PKU	37
Chapter 5: Genetics of Autism: Theories, Findings, and Implications	38
<i>Sarah Glaser and Tia Ouimet</i>	
Introduction	39
Background	40
Knowing Which Families Are at Risk	40
Techniques to Identify Genetic Contributions	40
Known Genetic Causes	41

Multiple Gene Complications and Unknowns	42
Possible Environmental Causes	43
The Role of Genetic Counseling and Testing	44
Implications for Educators	45
Home- and School-Based Treatment and Interventions	45
Educational Strategies	46
Discussion Questions	46
Research Summary	47
Resources	47
Handout—The Genetics of Autism	48
Chapter 6: The Biology of Shyness	50
<i>Paul C. McCabe, Sarah E. Groark, and Brian Dalpiaz</i>	
Introduction	51
Background	51
The Role of the Amygdala	51
Amygdala and Cortisol Levels: The HPA System	52
Psychological and Immune Correlates of HPA	
Activation	52
Implications for Educators	53
Educational Strategies	55
Discussion Questions	55
Research Summary	56
Resources	56
Handout—Shyness in Children	58
Chapter 7: Families of Children With Genetic Disorders	59
<i>Jennifer E. Bruce, Sara Quirke, and Steven R. Shaw</i>	
Introduction	60
Background	60
Asking Questions of Professionals	60
Managing Emotional Trauma	61
Stressors Faced by Families of Children With	
Genetic Disorders	61
Strengths in Families of Children With Genetic Disorders	64
Educational Strategies	65
Discussion Questions	65
Research Summary	66
Resources	66
Handout—Helping Families With a Child With a Disability	67
SECTION III: Acquired Disorders of Childhood	
Chapter 8: Prenatal Alcohol Exposure: Biological and Behavioral	
Outcomes	70
<i>Erica J. Deming and Paul C. McCabe</i>	
Introduction	71

Background	71
Neuroanatomical Effects of Prenatal Alcohol Exposure	72
Alcohol’s Effect on the Neocortex, Hippocampus, Cerebellum, and Neurotransmission	72
Typical Anatomical Features of Children With Fetal Alcohol Exposure	74
Neurobehavioral Effects of Prenatal Alcohol Exposure	74
Implications for Educators	75
Educational Strategies	76
Discussion Questions	77
Research Summary	77
Resources	78
Handout—Effects of Prenatal Alcohol Exposure on Children	79
Chapter 9: Prenatal Exposure to Antidepressants	80
<i>Paul C. McCabe and Caryn R. DePinna</i>	
Introduction	81
Background	81
Types of Antidepressants	82
Untreated Depression	83
Conclusion	83
Implications for Educators	84
Educational Strategies	84
Discussion Questions	85
Research Summary	85
Resources	86
Handout—Information About Prenatal Exposure to Antidepressants	87
Chapter 10: Celiac Disease and Youth: Implications for Educators and Allied Professionals	88
<i>Jessica B. Edwards George, Jessica A. Hoffman, and Debra L. Franko</i>	
Introduction	89
Background	89
Prevalence	89
Symptoms	90
Diagnosis	90
Treatment: The Gluten-Free Diet	90
Issues in Treatment of Celiac Disease	90
Implications for Educators	92
Strategies to Support Students With CD	92
Educational Strategies	94
Discussion Questions	94
Research Summary	95
Resources	95
Handout—Celiac Disease: Helpful Hints for Educators	96

Chapter 11: Postpartum Depression and Its Relationship to Behavior Problems in Children	98
<i>Danielle Parente and Paul C. McCabe</i>	
Introduction	99
Background	99
Maternal Depression and Childhood ADHD	101
Child-Family Dynamics	102
Implications for Educators	102
Educational Strategies	103
Discussion Questions	104
Research Summary	104
Resources	104
Handout—Identifying and Treating Postpartum Depression	106
Chapter 12: Pediatric Responses to Asthma: An Overview for Educators	107
<i>Adrienne Garro</i>	
Introduction	108
Background	108
Experience of Symptoms	108
Impact on Student Functioning	109
Psychosocial Implications	110
Implications for Educators	111
Educational Strategies	112
Discussion Questions	112
Research Summary	113
Resources	113
Handout—Pediatric Responses to Asthma	114
Chapter 13: Food Allergies and Intolerances: What Educators Need to Know	115
<i>Doris Páez and Gillian W. Thomas</i>	
Introduction	116
Background	117
What Is a Food Allergy?	117
How Can an Allergy Cause Death?	117
How Do Food Allergies Develop?	118
Does Food Allergy Management Differ by Developmental Stage?	118
What Social-Emotional or Behavioral Issues Are Associated With Food Allergies?	119
What Is the Status of Research on Causes and Treatments?	120
Implications for Educators	120
Create a Core Team	120
Food Allergy Emergency Plan	121

Storing of Medications	121
Label Literacy	122
Empowering Children With Food Allergies and Their Peers	122
Educational Strategies	123
Discussion Questions	123
Research Summary	124
Resources	124
Handout—Successfully Managing Food Allergies in Childhood	125
Chapter 14: Developmental Effects of Type 1 Diabetes	126
<i>Sarah A. Bassin, W. Mark Posey, and Elizabeth M. Schneider</i>	
Introduction	127
Background	128
Acute Effects	128
Long-Term Effects	128
Implications for Educators	130
Educational Strategies	131
Discussion Questions	131
Research Summary	132
Resources	132
Handout—General Information About Type 1 Diabetes	133
Glossary	134
References	144
Index	160