Contents

1 Introduction 1
Why School Professionals Should Read This Book 1
Conceptualizations of Attention-Deficit/Hyperactivity Disorder 3
ADHD and Educational Placement and Services 4
Purpose and Plan of This Book 8

2 Causes 9
Genetics 9
Family Studies 10
Twin Studies 10
Adoption Studies 11
Genome Search Studies 11
Candidate Gene Searches 12
Concluding Comments Regarding the Role of Genetics 13
Environment 13
Biological Factors 13
Psychosocial Factors 15
Diet 15
Television Viewing 16
Concluding Comments Regarding the Role of the Environment 16
Neurobiology 17
Neuropsychology 17
Neurophysiology 17
Neurochemistry 19
Concluding Comments Regarding the Role of Neurobiology 19
Concluding Comments 19

3 Prevalence and Associated Conditions 21
ADHD Rates in the General Population 21
Students with ADHD in Special Education 24
ADHD's Correlates and Association with Other Conditions 26
Concluding Comments 30

4 Case Finding and Screening . . . 31
Case Finding . . . 31
Looking . . . 33
Listening . . . 35
Questioning . . . 36
Screening . . . 36
Concluding Comments . . . 46

5 Diagnostic Assessment . . . 49
Diagnostic Criteria . . . 50
Birth, Developmental, Health, Family, and Behavioral Histories . . . 55
Commonly Recommended Diagnostic Procedures . . . 62
Other Less Frequently Recommended Diagnostic Procedures . . . 73
The Identification of Preschoolers . . . 76
The Identification of Minority Youth . . . 77
Concluding Comments . . . 78

6 Psycho-educational Assessment . . . 79
Testing Accommodations and Modifications . . . 80
Allow for Frequent Test Session Breaks . . . 80
Allow for Physical Movement . . . 81
Minimize Distractions . . . 81
Make Use of Powerful External Rewards . . . 81
Provide Clear Test-Taking Rules . . . 82
Carefully Pre-select Task Difficulty . . . 82
Allow the Student to Pace Him- or Herself . . . 82
Schedule the Testing Session Early in the Day . . . 82
Provide Structure and Organization . . . 83
Modify Test Administration and Allow Nonstandard Responses . . . 83
Specific Psycho-educational Assessment Practices . . . 83
Behavioral Observations and Functional Assessment . . . 84
Psycho-educational Testing . . . 84
Concluding Comments . . . 93

7 Treatment . . . 95
Adjusting the Classroom Environment: Setting the Student Up for Success . . . 96
Psychosocial Interventions: Encouraging Appropriate Behavior . . . 100
Psychoeducational . . . 103
Medications . . . 104
Alternative Therapies . . . 111
Concluding Comments . . . 114

Appendix A . . . 115

Appendix B . . . 123

Appendix C . . . 127

Appendix D: ADHD Resources Online 131
References 137
Index 157



http://www.springer.com/978-1-4419-0500-0

Identifying, Assessing, and Treating ADHD at School

Brock, S.E.; Jimerson, S.R.; Hansen, R.L.

2009, XI, 168 p. 18 illus., Hardcover
ISBN: 978-1-4419-0500-0