
Contents

| | |
|--|-----|
| From Response to Intervention to Multi-Tiered Systems of Support: Advances in the Science and Practice of Assessment and Intervention | 1 |
| Shane R. Jimerson, Matthew K. Burns and Amanda M. VanDerHeyden | |
| Part I Foundations of Science | |
| Data-Based Decision-Making | 9 |
| Stanley L. Deno | |
| Applied Behavior Analysis: A Foundation for Response to Intervention | 29 |
| Scott P. Ardoin, Liliana Wagner and Kathryn E. Bangs | |
| Learning Disabilities/Special Education | 43 |
| John L. Hosp, Sally Huddle, Jeremy W. Ford and Kiersten Hensley | |
| Prevention and Response to Intervention: Past, Present, and Future | 59 |
| Ann C. Schulte | |
| Problem-Solving Consultation | 73 |
| William P. Erchul and Caryn S. Ward | |
| Part II Foundations of Practice | |
| The Role of Professional Learning Communities in Successful Response to Intervention Implementation | 89 |
| Lori Helman and Kay Rosheim | |
| Response to Intervention and Accountability Systems | 103 |
| Timothy J. Runge, David J. Lillenstein and Joseph F. Kovalesski | |
| Multi-Tiered Systems of Support and Evidence-Based Practices ... | 121 |
| Karen C. Stoiber and Maribeth Gettinger | |

| | |
|--|-----|
| Preservice Teacher Education and Response to Intervention Within Multi-Tiered Systems of Support: What Can We Learn from Research and Practice? | 143 |
| David H. Allsopp, Jennie L. Farmer and David Hoppey | |
| Common Core State Standards and Response to Intervention: The Importance of Assessment, Intervention, and Progress Monitoring | 165 |
| Shane R. Jimerson, Rachel Stein, Aaron Haddock and Reza Shahroozi | |
| Part III Tier 1– Assessment, Problem Analysis, and Intervention | |
| Screening Assessment Within a Multi-Tiered System of Support: Current Practices, Advances, and Next Steps | 187 |
| Nathan H. Clemens, Milena A. Keller-Margulis, Timothy Scholten and Myeongsun Yoon | |
| The Role of Tier I Mathematics Instruction in Elementary and Middle Schools: Promoting Mathematics Success | 215 |
| Asha K. Jitendra and Danielle N. Dupuis | |
| Classroom Reading Instruction for All Students | 235 |
| Barbara R. Foorman and Jeanne Wanzek | |
| Classwide Intervention Using Peer-Assisted Learning Strategies... | 253 |
| Kristen L. McMaster and Douglas Fuchs | |
| Part IV Tier 2– Assessment, Problem Analysis, and Intervention | |
| Assessment: Periodic Assessment to Monitor Progress | 271 |
| Benjamin Silberglitt, David Parker and Paul Muyskens | |
| Problem Analysis at Tier 2: Using Data to Find the Category of the Problem | 293 |
| Matthew K. Burns, Kathrin E. Maki, Abbey C. Karich, Matthew Hall, Jennifer J. McComas and Lori Helman | |
| Multilevel Response-to-Intervention Prevention Systems: Mathematics Intervention at Tier 2 | 309 |
| Lynn S. Fuchs, Douglas Fuchs and Amelia S. Malone | |
| Implementation of Tier 2 Reading Interventions in the Primary Grades | 329 |
| Jeanne Wanzek, Stephanie Al Otaiba and Brandy Gatlin | |

Part V Tier 3– Assessment, Problem Analysis, and Intervention

| | |
|---|------------|
| Progress Monitoring for Students Receiving Intensive Academic Intervention | 343 |
| David A. Klingbeil, Tera L. Bradley and Jennifer J. McComas | |

| | |
|--|------------|
| Introduction to Problem Analysis to Identify Tier 3 Interventions: Brief Experimental Analysis of Academic Problems | 361 |
| Melissa Coolong-Chaffin and Jennifer J. McComas | |

| | |
|--|------------|
| Tier 3: Intensive Mathematics Intervention Strategies | 375 |
| Robin S. Coddling and Ryan Martin | |

| | |
|--|------------|
| Tier 3 Primary Grade Reading Interventions: Can We Distinguish Necessary from Sufficient? | 389 |
| Stephanie Al Otaiba, Jill Allor, Miriam Ortiz, Luana Greulich, Jeanie Wanzek and Joseph Torgesen | |

Part VI Contemporary Implementation Science

| | |
|--|------------|
| Assuring the Response to Intervention Process Has Substance: Assessing and Supporting Intervention Implementation | 407 |
| George H. Noell and Kristin A. Gansle | |

| | |
|--|------------|
| Accuracy and Validity of Methods for Identifying Learning Disabilities in a Response-to-Intervention Service Delivery Framework | 421 |
| Jeremy Miciak, Jack M. Fletcher and Karla K. Stuebing | |

| | |
|---|------------|
| Contextual Influences and Response to Intervention | 441 |
| Amy L. Reschly and Melissa Coolong-Chaffin | |

| | |
|--|------------|
| Using Single-Case Design in a Response to Intervention Model | 455 |
| T. Chris Riley-Tillman and Daniel M. Maggin | |

Part VII Contemporary Implementation Topics

| | |
|---|------------|
| Technology-Based Assessment and Problem Analysis | 473 |
| Gerald Tindal and Julie Alonzo | |

| | |
|--|------------|
| Educational Technology and Response to Intervention: Affordances and Considerations | 493 |
| Janet S. Twyman and Melinda S. Sota | |

| | |
|---|------------|
| Response to Intervention for English Learners | 519 |
| Diana Socie and Mike Vanderwood | |
| Essential Features of Tier 2 and 3 School-Wide Positive Behavioral Supports | 539 |
| Barbara S. Mitchell, Allison L. Bruhn and Timothy J. Lewis | |
| Implementing Response to Intervention in Secondary Schools..... | 563 |
| Mark R. Shinn, Holly S. Windram and Kerry A. Bollman | |
| Advances in Multi-Tiered Systems of Support for Prekindergarten Children: Lessons Learned from 5 Years of Research and Development from the Center for Response to Intervention in Early Childhood | 587 |
| Judith J. Carta, Charles R. Greenwood, Howard Goldstein, Scott R. McConnell, Ruth Kaminski, Tracy A. Bradfield, Alisha Wackerle-Hollman, Maura Linas, Gabriela Guerrero, Elizabeth Kelley and Jane Atwater | |
| Teacher Formative Assessment: The Missing Link in Response to Intervention | 607 |
| Linda A. Reddy, Christopher M. Dudek and Elisa S. Shernoff | |
| Part VIII Effective Contemporary Models | |
| Challenges Faced by New Implementation Sites: The Role of Culture in the Change Process..... | 627 |
| Dawn Miller and Rachel Freeman | |
| Making Response to Intervention Stick: Sustaining Implementation Past Your Retirement | 641 |
| Kim Gibbons and W. Alan Coulter | |
| Evaluating the Impact of Response to Intervention in Reading at the Elementary Level Across the State of Pennsylvania..... | 661 |
| Edward S. Shapiro | |
| Data-Based Decision-Making, the Problem-Solving Model, and Response to Intervention in the Minneapolis Public Schools | 677 |
| Doug Marston, Matthew Lau, Paul Muyskens and Jennifer Wilson | |
| Implementing Response to Intervention in a Rural Setting..... | 693 |
| Renee Guy, Amanda Fields and Lynn Edwards | |

| | |
|---|----------------|
| School-wide Positive Behavior Support and Response to Intervention: System Similarities, Distinctions, and Research to Date at the Universal Level of Support..... | 703 |
| Timothy J. Lewis, Barbara S. Mitchell,D. Tichelle Bruntmeyer and George Sugai | |
| Toward a Unified Response-to-Intervention Model: Multi-Tiered Systems of Support | 719 |
| Matthew K. Burns, Shane R. Jimerson, Amanda VanDerHeyden and Stanley L. Deno | |
| Index..... | 733 |

Handbook of Response to Intervention
The Science and Practice of Multi-Tiered Systems of
Support

Jimerson, S.R.; Burns, M.K.; VanDerHeyden, A.M. (Eds.)
2016, XXV, 740 p. 89 illus., 26 illus. in color., Hardcover
ISBN: 978-1-4899-7567-6