

# Contents

<b>1</b>	<b>Prevention Science: An Epidemiological Approach . . . . .</b>	<b>1</b>
	David Cordova, Yannine Estrada, Shandey Malcolm, Shi Huang, C. Hendricks Brown, Hilda Pantin, and Guillermo Prado	
<b>Part I Individual Physical, Cognitive, and Emotional Vulnerability Across the Life Course: Benchmarks and Developmental Challenges</b>		
<b>2</b>	<b>Benchmarks, Developmental Challenges, and Risks During the Prenatal and Infancy Period . . . . .</b>	<b>27</b>
	Hellgard Rauh and Karl E. Bergmann	
<b>3</b>	<b>Childhood and the Entry into Adolescence: A Pivotal Period in Health-Related Behaviors and Prevention . . . . .</b>	<b>59</b>
	Julia A. Graber, Julie C. Hill, and Mary E. Saczawa	
<b>4</b>	<b>Adolescence and Early Adulthood . . . . .</b>	<b>87</b>
	Jungmeen Kim-Spoon and Julee P. Farley	
<b>5</b>	<b>Stressors and Vulnerabilities in Middle and Old Age: Opportunities for Prevention . . . . .</b>	<b>113</b>
	George W. Rebok, Jeanine M. Parisi, and Alexandra M. Kueider	
<b>Part II Environmental Influences and Implications for Intervention Development</b>		
<b>6</b>	<b>Family . . . . .</b>	<b>137</b>
	J. Mark Eddy, Charles R. Martinez Jr., Carol W. Metzler, and Richard E. Heyman	
<b>7</b>	<b>School Influences on Child and Youth Development . . . . .</b>	<b>151</b>
	David Osher, Kimberly Kendziora, Elizabeth Spier, and Mark L. Garibaldi	

<b>8</b>	<b>Peer Networks . . . . .</b>	<b>171</b>
	Michael Mason	
<b>9</b>	<b>Risk and Resilience Processes in Single-Mother Families: An Interactionist Perspective . . . . .</b>	<b>195</b>
	Zoe E. Taylor and Rand D. Conger	
<b>10</b>	<b>Environmental Influences: The Workplace and Mental Health—Models, Vulnerability Factors, and Interventions . . . . .</b>	<b>219</b>
	Stephen Stansfeld, Sokratis Dinos, and Joel Raffel	
<b>11</b>	<b>An Integrated Prevention Science Model: A Conceptual Foundation for Prevention Research . . . . .</b>	<b>251</b>
	Hanno Petras and Zili Sloboda	
<b>12</b>	<b>Design of Prevention Interventions . . . . .</b>	<b>275</b>
	Louise A. Rohrbach	
<b>13</b>	<b>Implementation Science and the Effective Delivery of Evidence-Based Prevention . . . . .</b>	<b>293</b>
	Zili Sloboda, Linda Dusenbury, and Hanno Petras	
<b>14</b>	<b>Factors Affecting Implementation: Cultural Adaptation and Training . . . . .</b>	<b>315</b>
	Peer van der Kreeft, Johan Jongbloet, and Tina Van Havere	
<b>15</b>	<b>Measuring Fidelity . . . . .</b>	<b>335</b>
	William B. Hansen	
<b>Part III Research Design</b>		
<b>16</b>	<b>Translating the Intervention Approach into an Appropriate Research Design: The Next-Generation Adaptive Designs for Effectiveness and Implementation Research . . . . .</b>	<b>363</b>
	C. Hendricks Brown, W. Alex Mason, and Eric C. Brown	
<b>17</b>	<b>The Epidemiologic Case-Crossover and Case–Control Approaches in Prevention Research . . . . .</b>	<b>389</b>
	James C. (Jim) Anthony	
<b>18</b>	<b>The Use of Simulation Models in Public Health with Applications to Substance Abuse and Obesity Problems . . . . .</b>	<b>405</b>
	David Levy	
<b>19</b>	<b>Meta-analysis in Prevention Science . . . . .</b>	<b>431</b>
	Sandra Jo Wilson and Emily E. Tanner-Smith	
<b>20</b>	<b>Mixed Methods Research Design for Prevention Science: Methods, Critiques, and Recommendations . . . . .</b>	<b>453</b>
	Felipe González Castro, Osvaldo F. Morera, Joshua G. Kellison, and Katherine M. Aguirre	

**Part IV Analytic Methods**

- 21 Latent Class Analysis in Prevention Science . . . . . 493**  
Karen Nylund-Gibson and Shelley R. Hart
- 22 Discrete-Time Survival Analysis in Prevention Science . . . . . 513**  
Katherine E. Masyn
- 23 Using Mediation and Moderation Analyses to Enhance  
Prevention Research . . . . . 537**  
Amanda J. Fairchild and David P. MacKinnon
- 24 Advances in Missing Data Models and Fidelity Issues of  
Implementing These Methods in Prevention Science . . . . . 557**  
Shelley A. Blozis

**Part V Cost Analysis and Policy**

- 25 Economic Analysis and Policy Studies: Special Challenges  
in the Prevention Sciences . . . . . 571**  
Jonathan P. Caulkins, Nancy Nicosia, and Rosalie Liccardo Pacula
- 26 Strengthening Prevention Science to Ensure Effectiveness of  
Intervention in Practice: Setting up an International Agenda . . . . . 597**  
Fabrizio Faggiano, Fabrizia Giannotta, and Elias Allara
- Index . . . . . 615**

Defining Prevention Science

Sloboda, Z.; Petras, H. (Eds.)

2014, XXII, 626 p. 39 illus., Hardcover

ISBN: 978-1-4899-7423-5