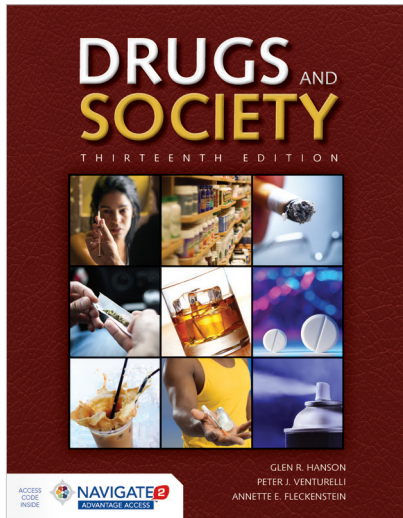


# TRANSITION GUIDE



**Glen R. Hanson, PhD, DDS**  
**Peter J. Venturelli, PhD**  
**Annette E. Fleckenstein, PhD**

ISBN: 978-1-284-11087-6  
Paperback with Navigate 2 Advantage  
Access • 694 pages • © 2018



## STAY CONNECTED

Facebook:  
[www.facebook.com/jonesbartlettlearning](https://www.facebook.com/jonesbartlettlearning)

Twitter:  
[@JBL\\_Health](https://twitter.com/JBL_Health)

Blog:  
[blogs.jblearning.com/health](https://blogs.jblearning.com/health)

This transition guide serves to outline the updates and new content found in *Drugs and Society, Thirteenth Edition*.

## SUMMARY

Revised to keep pace with the latest data and statistics, *Drugs and Society, Thirteenth Edition* with Navigate 2 Advantage Access, continues to captivate students by taking a multidisciplinary approach to the impact of drug use and abuse on the lives of average individuals. The authors have integrated their expertise in the fields of drug abuse, pharmacology, and sociology with their extensive experiences in research, treatment, drug policy making, and drug policy implementation to create an edition that speaks directly to students on the medical, emotional, and social damage drug use can cause.

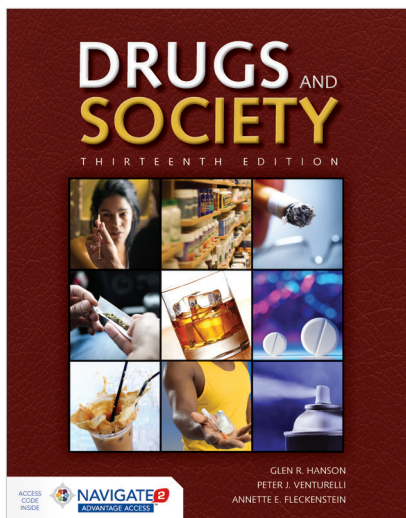
### KEY FEATURES (Updated to reflect current events):

- Here & Now
- Case in Point
- Signs and Symptoms
- Holding the Line
- Point/Counterpoint
- Prescription for Abuse
- Family Matters
- Do Genes Matter

### STUDENT RESOURCES:

Navigate 2 Advantage Access (Included with every new book purchase. Can be purchased separately.)

- Interactive eBook with 15 animations and Knowledge Check Questions
  - Stages of Drug Dependence
  - Steps required by the FDA for reviewing a new drug
  - The Process of Sending Messages by Neurons
  - Synapse
  - Nature of Drug Receptors
  - Interaction of Agonist and Antagonist drugs
  - Autonomic pathways of the parasympathetic & sympathetic nervous systems & the organs affected
  - Glands of the endocrine system
  - Common Side Effects of Drug Use
  - Dose-dependent Effects of CNS Depressants
  - How Alcohol is Absorbed in the Body
  - The Principal Control Centers of the Brain Affected by Alcohol Consumption
  - The Principal Aspects of Treating Heroin Addiction
  - Nature of HIV Infection
  - Potential Factors that Influence Alcohol and Other Drug Use
- Student Workbook—each worksheet in printable and writable PDF format
- Electronic Flashcards
- Lecture Outlines can be used as study checklists
- Practice Quizzes
- Interactive Glossary



**Glen R. Hanson**, PhD, DDS  
**Peter J. Venturelli**, PhD  
**Annette E. Fleckenstein**, PhD

ISBN: 978-1-284-11087-6  
Paperback with Navigate 2 Advantage  
Access • 694 pages • © 2018

#### INSTRUCTOR RESOURCES:

- PowerPoint Lecture Slides
- PowerPoint Image Bank
- Test Bank
- Answers to the Student Study Guide

#### GENERAL CONTENT UPDATES (See TOC comparison below for specific updates):

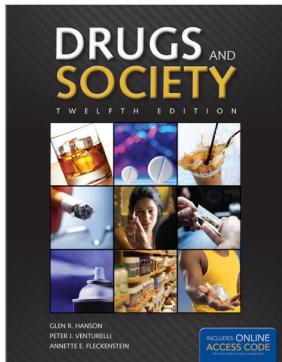
Updated data reflected in the content as well as in related tables, box features and references.  
The most recent survey data from:

- National Household Survey on Drug Use and Health (NHSDUH)
- Monitoring the Future, the Centers for Disease Control and Prevention (CDC)
- Center for Behavioral Health Statistics and Quality (CBHSQ)
- Substance Abuse and Mental Health Services Administration (SAMHSA)
- U.S. Department of Justice (USDOJ)
- National Council on Alcoholism and Drug Dependence (NCADD)
- Bureau of Justice Statistics (BJS)
- National Institute on Drug Abuse (NIDA)
- World Health Organization (WHO)

\*Many box features were expanded and older box features were removed and replaced as necessary. The new box features are identified in the Table of contents below.

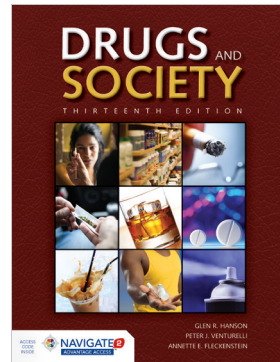
## CHAPTER OUTLINE

This chapter outline comparison has been created to help you easily transition to the *Thirteenth Edition*. Note that chapter content from the *Twelfth Edition* may now be found in a different chapter in the *Thirteenth Edition*. Also note that chapter numbers and titles may have been updated.



### *Drugs and Society, Twelfth Edition*

by Glen R. Hanson,  
Peter J. Venturelli and  
Annette E. Fleckenstein



### *Drugs and Society, Thirteenth Edition*

by Glen R. Hanson,  
Peter J. Venturelli and  
Annette E. Fleckenstein

CONTENTS	PAGE #	CONTENTS	PAGE #
<b>CHAPTER 1 INTRODUCTION TO DRUGS AND SOCIETY</b>	<b>1</b>	<b>CHAPTER 1 INTRODUCTION TO DRUGS AND SOCIETY</b>	<b>1</b>
<b>Introduction</b>	<b>2</b>	<b>Introduction</b>	<b>2</b>
<b>Drug Use</b>	<b>3</b>	<b>Drug Use</b>	<b>3</b>
<b>Dimensions of Drug Use</b>	<b>3</b>	<b>Dimensions of Drug Use</b>	<b>3</b>
<b>Major Types of Commonly Abused Drugs</b>	<b>9</b>	<b>Major Types of Commonly Abused Drugs</b>	<b>10</b>
Prescription and Performance-Enhancing Drugs	10	Prescription and Performance-Enhancing Drugs	10
Stimulants	11	Stimulants	12
Bath Salts	11	Bath Salts	12
Hallucinogens/Psychedelics and Other Similar Drugs	11	Hallucinogens/Psychedelics and Other Similar Drugs	12
Depressants	12	Depressants	13
Alcohol	12	Alcohol	13
Nicotine	12	Nicotine	13
Cannabis (Marijuana and Hashish)	12	Cannabis (Marijuana and Hashish)	13
Designer Drugs/Synthetic Drugs or Synthetic Opioids	12	Designer Drugs/Synthetic Drugs or Synthetic Opioids	13
Anabolic Steroids	14	Anabolic Steroids	16
Inhalants/Organic Solvents	15	Inhalants/Organic Solvents	16
Narcotics/Opiates	15	Narcotics/Opiates	17
<b>An Overview of Drugs in Society</b>	<b>15</b>	<b>An Overview of Drugs in Society</b>	<b>17</b>
How Widespread Is Drug Abuse?	16	How Widespread Is Drug Abuse? NEW! Here and Now box feature titled "Numbers of Past-Month Illicit Drug Users and Age Groups by People Aged 12 and older, 2014. Replaces Here and Now Persistence of Illicit Drug Use in the US, Rural—Urban Comparisons, and a New Drug Making the Scene"	17
Extent and Frequency of Drug Use in Society	20	Extent and Frequency of Drug Use in Society	19
Drug Use: Statistics, Trends, and Demographics	24	Drug Use: Statistics, Trends, and Demographics	24
Current Patterns of Licit and Illicit Drug Use	28	Current Patterns of Licit and Illicit Drug Use NEW! Case in Point box added titled "Figures A and B: State Differences in the Number of Painkiller Prescriptions per 100 People"	29
Types of Drug Users	34	Types of Drug Users	35
Drug Use: Mass and Electronic Media and Family Influences	35	Drug Use: Mass and Electronic Media and Family Influences	37
<b>Drug Use and Drug Dependence</b>	<b>39</b>	<b>Drug Use and Drug Dependence</b>	<b>40</b>
When Does Use Lead to Abuse?	39	When Does Use Lead to Abuse?	41
Drug Dependence	40	Drug Dependence	42

<b>The Costs of Drug Use to Society</b>	<b>41</b>	<b>The Costs of Drug Use to Society</b>	<b>43</b>
Drugs, Crime, and Violence	43	Drugs, Crime, and Violence	45
Drugs in the Workplace: A Persistent Affliction	47	Drugs in the Workplace: A Persistent Affliction	50
<b>Employee Assistance Programs</b>	<b>50</b>	<b>Employee Assistance Programs</b>	<b>53</b>
<b>Venturing to a Higher Form of Consciousness: The Holistic Self-Awareness Approach to Drug Use</b>	<b>50</b>	<b>Venturing to a Higher Form of Consciousness: The Holistic Self-Awareness Approach to Drug Use</b>	<b>55</b>
<b>CHAPTER 2 EXPLAINING DRUG USE AND ABUSE</b>	<b>59</b>	<b>CHAPTER 2 EXPLAINING DRUG USE AND ABUSE</b> The use of the fifth edition of the American Psychiatric Association's (2013) Diagnostic and Statistical Manual of Mental Disorders (DSM-5) for diagnosing drug abuse or substance use disorders and psychiatric mental disorders; as well as many other important drug use and abuse topics. Two Here & Now box features removed: <ul style="list-style-type: none"> <li>• How not to encourage your teen to use drugs</li> <li>• Symptoms of Drug &amp; Alcohol Abuse</li> </ul>	<b>65</b>
<b>Introduction</b>	<b>60</b>	<b>Introduction</b>	<b>66</b>
<b>Drug Use: A Timeless Affliction</b>	<b>62</b>	<b>Drug Use: A Timeless Affliction</b>	<b>68</b>
<b>The Origin and Nature of Addiction</b>	<b>64</b>	<b>The Origin and Nature of Addiction</b>	<b>70</b>
Defining Addiction	64	Defining Addiction	71
Models of Addiction	65	Models of Addiction	72
Factors Contributing to Addiction	66	Factors Contributing to Addiction	73
<b>The Vicious Cycle of Drug Addiction</b>	<b>68</b>	<b>The Vicious Cycle of Drug Addiction</b>	<b>75</b>
Other Nondrug Addictions	69	Other Nondrug Addictions	75
<b>Major Theoretical Explanations: Biological</b>	<b>69</b>	<b>Major Theoretical Explanations: Biological</b>	<b>76</b>
Abused Drugs as Positive Reinforcers	70	Abused Drugs as Positive Reinforcers	77
Drug Abuse and Psychiatric Disorders	70	Drug Abuse and Psychiatric Disorders	77
Genetic Explanations	73	Genetic Explanations	77
<b>Major Theoretical Explanations: Psychological</b>	<b>74</b>	<b>Major Theoretical Explanations: Psychological</b>	<b>81</b>
Distinguishing Between Substance Abuse and Mental Disorders	74	Distinguishing Between Substance Abuse and Mental Disorders	81
The Relationship Between Personality and Drug Use	75	The Relationship Between Personality and Drug Use	82
Theories Based on Learning Processes	76	Theories Based on Learning Processes	83
Social Psychological Learning Theories	77	Social Psychological Learning Theories	85
<b>Major Theoretical Explanations: Sociological</b>	<b>78</b>	<b>Major Theoretical Explanations: Sociological</b>	<b>85</b>
Social Influence Theories	78	Social Influence Theories	86
Structural Influence Theories	89	Structural Influence Theories	97
<b>Danger Signals of Drug Abuse</b>	<b>93</b>	<b>Danger Signals of Drug Abuse</b>	<b>102</b>
Low-Risk and High-Risk Drug Choices	93	Low-Risk and High-Risk Drug Choices	103
<b>CHAPTER 3 DRUG USE, REGULATION, AND THE LAW</b>	<b>102</b>	<b>CHAPTER 3 DRUG USE, REGULATION, AND THE LAW</b> Updated to provide new details on public advertising of prescription products and resulting consumer controversies NEW! Here & Now boxed feature added <ul style="list-style-type: none"> <li>• The Cost of Prescription Drug Development</li> </ul> Prescription for Abuse boxed feature removed: <ul style="list-style-type: none"> <li>• A Loaded Weapon</li> </ul>	<b>112</b>
<b>Introduction</b>	<b>103</b>	<b>Introduction</b>	<b>113</b>
<b>Cultural Attitudes About Drug Use</b>	<b>103</b>	<b>Cultural Attitudes About Drug Use</b>	<b>113</b>
<b>The Road to Regulation and the FDA</b>	<b>103</b>	<b>The Road to Regulation and the FDA</b>	<b>113</b>
The Rising Demand for Effectiveness in Medicinal Drugs	106	The Rising Demand for Effectiveness in Medicinal Drugs	116
Regulating the Development of New Drugs	106	Regulating the Development of New Drugs	116
The Effects of the OTC Review on Today's Medications	109	The Effects of the OTC Review on Today's Medications	119
<b>The Regulation of Drug Advertising</b>	<b>110</b>	<b>The Regulation of Drug Advertising</b>	<b>120</b>
Federal Regulation and Quality Assurance	111	Federal Regulation and Quality Assurance	121
<b>Drug Abuse and the Law</b>	<b>112</b>	<b>Drug Abuse and the Law</b>	<b>121</b>

Drug Laws and Deterrence	113	Drug Laws and Deterrence	125
Factors in Controlling Drug Abuse	113	Factors in Controlling Drug Abuse	125
<b>Strategies for Preventing Drug Abuse</b>	<b>117</b>	<b>Strategies for Preventing Drug Abuse</b>	<b>126</b>
Supply Reduction Strategy	117	Supply Reduction Strategy	126
Demand Reduction Strategy	118	Demand Reduction Strategy	127
Inoculation Strategy	118	Inoculation Strategy	127
Drug Courts	119	Drug Courts	128
<b>Current and Future Drug Use</b>	<b>119</b>	<b>Current and Future Drug Use</b>	<b>128</b>
Drug Legalization Debate	119	Drug Legalization Debate	128
Drug Testing	121	Drug Testing	130
Pragmatic Drug Policies	122	Pragmatic Drug Policies	131
<b>CHAPTER 4 HOMEOSTATIC SYSTEMS AND DRUGS</b>	<b>126</b>	<b>CHAPTER 4 HOMEOSTATIC SYSTEMS AND DRUGS</b>	<b>135</b>
<b>Introduction</b>	<b>127</b>	<b>Introduction</b>	<b>136</b>
<b>Overview of Homeostasis and Drug Actions</b>	<b>127</b>	<b>Overview of Homeostasis and Drug Actions</b>	<b>136</b>
<b>Section 1: Introduction to Nervous Systems</b>	<b>127</b>	<b>Section 1: Introduction to Nervous Systems</b>	<b>136</b>
<b>Section 2: Comprehensive Explanation of Homeostatic Systems</b>	<b>129</b>	<b>Section 2: Comprehensive Explanation of Homeostatic Systems</b>	<b>138</b>
The Building Blocks of the Nervous System	129	The Building Blocks of the Nervous System	139
Major Divisions of the Nervous System	138	Major Divisions of the Nervous System	147
The Autonomic Nervous System	140	The Autonomic Nervous System	149
The Endocrine System	142	The Endocrine System	150
<b>Conclusion</b>	<b>144</b>	<b>Conclusion</b>	<b>153</b>
<b>CHAPTER 5 HOW AND WHY DRUGS WORK</b>	<b>149</b>	<b>CHAPTER 5 HOW AND WHY DRUGS WORK</b>	<b>157</b>
		Two New Prescription for Abuse box feature added:	
		• Prescription Abuse Problems with Prescription Abuse in Women	
		• Deadly Drug Mix	
		New! Case in Point box feature added:	
		• The Newborn Victims	
<b>Introduction</b>	<b>150</b>	<b>Introduction</b>	<b>158</b>
<b>The Intended and Unintended Effects of Drugs</b>	<b>150</b>	<b>The Intended and Unintended Effects of Drugs</b>	<b>158</b>
<b>The Dose–Response Relationship of Therapeutics and Toxicity</b>	<b>151</b>	<b>The Dose–Response Relationship of Therapeutics and Toxicity</b>	<b>159</b>
Margin of Safety	152	Margin of Safety	160
Potency Versus Toxicity	152	Potency Versus Toxicity	160
<b>Drug Interaction</b>	<b>153</b>	<b>Drug Interaction</b>	<b>161</b>
Additive Effects	153	Additive Effects	161
Antagonistic (Inhibitory) Effects	153	Antagonistic (Inhibitory) Effects	161
Potentiative (Synergistic) Effects	154	Potentiative (Synergistic) Effects	161
Dealing with Drug Interactions	154	Dealing with Drug Interactions	162
<b>Pharmacokinetic Factors that Influence Drug Effects</b>	<b>155</b>	<b>Pharmacokinetic Factors That Influence Drug Effects</b>	<b>163</b>
Forms and Methods of Taking Drugs	156	Forms and Methods of Taking Drugs	164
Distribution of Drugs in the Body and Time–Response Relationships	158	Distribution of Drugs in the Body and Time–Response Relationships	166
Inactivation and Elimination of Drugs from the Body	160	Inactivation and Elimination of Drugs from the Body	169
Physiological Variables that Modify Drug Effects	161	Physiological Variables That Modify Drug Effects	170
Pathological Variables that Modify Drug Effects	162	Pathological Variables That Modify Drug Effects	171
Pharmacokinetics and Drug Testing	162	Pharmacokinetics and Drug Testing	171
<b>Adaptive Processes and Drug Abuse</b>	<b>162</b>	<b>Adaptive Processes and Drug Abuse</b>	<b>171</b>
Tolerance to Drugs	165	Tolerance to Drugs	172
Drug Dependence	166	Drug Dependence	175

<b>Psychological Factors</b>	<b>167</b>	<b>Psychological Factors</b>	<b>176</b>
The Placebo Effect	167	The Placebo Effect	176
<b>Addiction and Abuse: The Significance of Dependence</b>	<b>168</b>	<b>Addiction (Substance Use Disorder) and Abuse: The Significance of Dependence</b>	<b>177</b>
Hereditary Factors	168	Hereditary Factors	177
Drug Craving	168	Drug Craving	177
Other Factors	169	Other Factors	177
<b>CHAPTER 6 CNS DEPRESSANTS: SEDATIVE-HYPNOTICS</b>	<b>174</b>	<b>CHAPTER 6 CNS DEPRESSANTS: SEDATIVE-HYPNOTICS</b>	<b>184</b>
		Updated to contain the current status of central nervous system (CNS) sedative/hypnotics	
		Removed Case in Point box feature	
		<ul style="list-style-type: none"> <li>• Heath Ledger: He died accidentally from taking too many pills</li> </ul>	
		Removed Prescription for Abuse box feature	
		<ul style="list-style-type: none"> <li>• Too Much of a Good Thing</li> </ul>	
		New! Case in Point box feature added:	
		<ul style="list-style-type: none"> <li>• Foster Teen Dies from Overdose and Neglect</li> </ul>	
		New! Prescription for Abuse Box Feature Added:	
		<ul style="list-style-type: none"> <li>• Benzodiazepines: The Good and the Bad</li> </ul>	
<b>Introduction</b>	<b>175</b>	<b>Introduction</b>	<b>185</b>
<b>An Introduction to CNS Depressants</b>	<b>175</b>	<b>An Introduction to CNS Depressants</b>	<b>185</b>
The History of CNS Depressants	176	The History of CNS Depressants	186
The Effects of CNS Depressants: Benefits and Risks	177	The Effects of CNS Depressants: Benefits and Risks	186
<b>Types of CNS Depressants</b>	<b>178</b>	<b>Types of CNS Depressants</b>	<b>188</b>
Benzodiazepines: Valium-Type Drugs	178	Benzodiazepines: Valium-Type Drugs	188
Barbiturates	182	Barbiturates	192
Other CNS Depressants	184	Other CNS Depressants	194
<b>Patterns of Abuse with CNS Depressants</b>	<b>188</b>	<b>Patterns of Abuse with CNS Depressants</b>	<b>198</b>
<b>Treatment for Withdrawal</b>	<b>190</b>	<b>Treatment for Withdrawal</b>	<b>200</b>
<b>Natural Depressants</b>	<b>191</b>	<b>Natural Depressants</b>	<b>201</b>
<b>CHAPTER 7 ALCOHOL: PHARMACOLOGICAL EFFECTS</b>	<b>197</b>	<b>CHAPTER 7 ALCOHOL: PHARMACOLOGICAL EFFECTS</b>	<b>206</b>
		The most recent information on alcohol and other drug use problems in preadolescent, adolescent, college, and noncollege populations	
		New Table 7-1 added Epidemiology of Alcohol Use Disorders (AUD)	
		UPDATED! Case in Point Drinking and College Culture: A Tragic Mix	
<b>Introduction</b>	<b>198</b>	<b>Introduction</b>	<b>207</b>
<b>The Nature and History of Alcohol</b>	<b>198</b>	<b>The Nature and History of Alcohol</b>	<b>207</b>
<b>Alcohol as a Drug</b>	<b>199</b>	<b>Alcohol as a Drug</b>	<b>209</b>
Alcohol as a Social Drug	199	Alcohol as a Social Drug	209
Impact of Alcohol	200	Impact of Alcohol	210
		Alcohol and Crime	210
Alcohol and Cancer	200	Alcohol and Cancer	211
Alcopops	200	Alcopops	211
Drinking and College Students	200	Drinking and College Students	211
Under-Age Drinking	202	Underage Drinking	212
<b>The Properties of Alcohol</b>	<b>202</b>	<b>The Properties of Alcohol</b>	<b>213</b>
<b>The Physical Effects of Alcohol</b>	<b>204</b>	<b>The Physical Effects of Alcohol</b>	<b>215</b>
Alcohol and Tolerance	206	Alcohol and Tolerance	217
Alcohol Metabolism	206	Alcohol Metabolism	218
Polydrug Use	206	Polydrug Use	218
Short-Term Effects	207	Short-Term Effects	218

Dependence	209	Dependence	220
Alcohol and Genetics	210	Alcohol and Genetics	221
<b>The Effects of Alcohol on Organ Systems and Bodily Functions</b>	<b>211</b>	<b>The Effects of Alcohol on Organ Systems and Bodily Functions</b>	<b>221</b>
Brain and Nervous System	211	Brain and Nervous System	222
Liver	212	Liver	223
Digestive System	212	Digestive System	224
Blood	213	Blood	224
Cardiovascular System	213	Cardiovascular System	224
Sexual Organs	214	Sexual Organs	225
Endocrine System	214	Endocrine System	225
Kidneys	214	Kidneys	226
Mental Disorders and Damage to the Brain	214	Mental Disorders and Damage to the Brain	226
The Fetus	215	The Fetus	226
Gender Differences	215	Gender Differences	227
Malnutrition	216	Malnutrition	227
<b>CHAPTER 8 ALCOHOL: BEHAVIORAL EFFECTS</b>	<b>223</b>	<b>CHAPTER 8 ALCOHOL: BEHAVIORAL EFFECTS</b> The most recent information on alcohol and consumption UPDATED! Here & Now titled Do You have and Alcohol Use Disorder? Replaces Here and Now Are you "On the Road" to Alcoholism?	<b>233</b>
<b>Introduction</b>	<b>224</b>	<b>Introduction</b>	<b>234</b>
<b>Alcohol Consumption in the United States</b>	<b>225</b>	<b>Alcohol Consumption in the United States</b>	<b>235</b>
<b>Current Statistics and Trends in Alcohol Consumption</b>	<b>226</b>	<b>Current Statistics and Trends in Alcohol Consumption</b>	<b>237</b>
Percentages of the Drinking Population: A Pyramid Model	228	Percentages of the Drinking Population: A Pyramid Model	238
Dual Problems: Underage and Adult Drinking	228	Dual Problems: Underage and Adult Drinking	239
Economic Costs of Alcohol Abuse	236	Economic Costs of Alcohol Abuse	247
<b>History of Alcohol in America</b>	<b>239</b>	<b>History of Alcohol in America</b>	<b>250</b>
Drinking Patterns	239	Drinking Patterns	250
Historical Considerations	239	Historical Considerations	251
<b>Defining Alcoholics</b>	<b>243</b>	<b>Defining Alcoholics</b>	<b>254</b>
Cultural Differences	243	Cultural Differences	255
Alcohol Abuse and Alcoholism	244	Alcohol Abuse and Alcoholism Disorders	256
Types of Alcoholics	244	Types of Alcoholics	256
Major Traditional Distinctions Between "Wet" and "Dry" Cultures	246	Major Traditional Distinctions Between "Wet" and "Dry" Cultures	258
<b>Cultural Influences</b>	<b>246</b>	<b>Cultural Influences</b>	<b>259</b>
Culture and Drinking Behavior	247	Culture and Drinking Behavior	259
Culture and Disinhibited Behavior	247	Culture and Disinhibited Behavior	260
Culture Provides Rules for Drinking Behavior	249	Culture Provides Rules for Drinking Behavior	261
Culture Provides Ceremonial Meaning for Alcohol Use	249	Culture Provides Ceremonial Meaning for Alcohol Use	261
Culture Provides Models of Alcoholism	249	Culture Provides Models of Alcoholism	262
Cultural Stereotypes of Drinking May Be Misleading	249	Cultural Stereotypes of Drinking May Be Misleading	262
Culture Provides Attitudes Regarding Alcohol Consumption	251	Culture Provides Attitudes Regarding Alcohol Consumption	263
<b>College and University Students and Alcohol Use</b>	<b>251</b>	<b>College and University Students and Alcohol Use</b>	<b>264</b>
Binge Drinking	253	Binge Drinking	266
Gender and Collegiate Alcohol Use	254	Gender and Collegiate Alcohol Use	267
<b>Alcohol Consumption Patterns of Women</b>	<b>255</b>	<b>Alcohol Consumption Patterns of Women</b>	<b>268</b>
The Role of Alcohol in Domestic Violence	257	The Role of Alcohol in Domestic Violence	270
Alcohol and Sex	258	Alcohol and Sex	271



<b>Alcohol and the Family: Destructive Types of Social Support and Organizations for Victims of Alcoholics</b>	<b>258</b>		<b>Alcohol and the Family: Destructive Types of Social Support and Organizations for Victims of Alcoholics</b>	<b>272</b>
Codependency and Enabling	258		Codependency and Enabling	272
Children of Alcoholics and Adult Children of Alcoholics	258		Children of Alcoholics (COAs) and Adult Children of Alcoholics (ACOAs)	272
<b>Treatment of Alcoholism</b>	<b>259</b>		<b>Treatment of Alcoholism</b>	<b>273</b>
Getting Through Withdrawal	260		Getting Through Withdrawal	274
Helping the Alcoholic Family Recover	261		Helping the Alcoholic Family Recover	275
<b>CHAPTER 9 NARCOTICS (OPIOIDS)</b>	<b>272</b>		<b>CHAPTER 9 NARCOTICS (OPIOIDS)</b>	<b>287</b>
			Updated to include the current status of prescription abuse, including opiate painkillers as well as the most recent information on the personal and social consequences of use of methamphetamine and narcotic analgesics. New information on the relentless escalation of prescription abuse and related overdose deaths by opioid analgesics UPDATED! Here and Now box feature titled A War on Doctors? Are Restrictions on Pain Pills too Painful? Deleted! Signs & Symptoms Narcotics box feature UPDATED! Here and Now Heroin's New Terrain replaces Here and Now boxed feature Heroin Use in a Small Town.	
<b>Introduction</b>	<b>273</b>		<b>Introduction</b>	<b>288</b>
<b>What Are Narcotics?</b>	<b>273</b>		<b>What Are Narcotics?</b>	<b>288</b>
<b>The History of Narcotics</b>	<b>273</b>		<b>The History of Narcotics</b>	<b>289</b>
Opium in China	274		Opium in China	289
American Opium Use	275		American Opium Use	290
<b>Pharmacological Effects</b>	<b>276</b>		<b>Pharmacological Effects</b>	<b>292</b>
Narcotic Analgesics	276		Narcotic Analgesics	292
Other Therapeutic Uses	278		Other Therapeutic Uses	293
Abuse of Prescription Opioid Painkillers	279		Abuse of Prescription Opioid Painkillers	294
Mechanisms of Action	280		Mechanisms of Action	295
Side Effects	280		Side Effects	295
<b>Abuse, Tolerance, Dependence, and Withdrawal</b>	<b>280</b>		<b>Abuse, Tolerance, Dependence, and Withdrawal</b>	<b>296</b>
Heroin Abuse	281		Heroin Abuse (covers patterns of heroin abuse - page 300)	296
Patterns of Heroin Abuse	285			
Treatment of Heroin and Other Narcotic Dependence	288		Treatment of Heroin and Other Narcotic Dependence	303
<b>Other Narcotics</b>	<b>290</b>		<b>Other Narcotics</b>	<b>305</b>
Morphine	290		Morphine	305
Methadone	291		Methadone	306
Fentanyl	292		Fentanyl	307
Hydromorphone	293		Hydromorphone	308
Oxycodone	293		Oxycodone	308
Meperidine	293		Meperidine	308
Buprenorphine	293		Hydrocodone	308
MPTP: A "Designer" Tragedy	294		Buprenorphine	308
Codeine	294		MPTP: A "Designer" Tragedy	309
Pentazocine	294		Codeine	309
Propoxyphene	295		Pentazocine	310
Tramadol	295		Tramadol	310
<b>Narcotic-Related Drugs</b>	<b>295</b>		<b>Narcotic-Related Drugs</b>	<b>310</b>
Dextromethorphan	296		Dextromethorphan	310
Clonidine	297		Clonidine	311
Naloxone/Naltrexone	297		Naloxone/Naltrexone	312
<b>Natural Narcotic Substances</b>	<b>297</b>		<b>Natural Narcotic Substances</b>	<b>312</b>



<b>CHAPTER 10 STIMULANTS</b>	<b>307</b>		<b>CHAPTER 10 STIMULANTS</b> Updated to include the current status of stimulants (e.g., performance enhancers) Deleted Table 10-2 National Rankings of Cocaine Consumption 2012	<b>320</b>
<b>Introduction</b>	<b>308</b>		<b>Introduction</b>	<b>321</b>
<b>Major Stimulants</b>	<b>308</b>		<b>Major Stimulants</b>	<b>321</b>
Amphetamines	308		Amphetamines	321
Cocaine	323		Cocaine (covers treatment)	337
Therapeutic Drug Treatment	334		<b>Treatment of Cocaine Dependence</b>	<b>346</b>
<b>Minor Stimulants</b>	<b>335</b>		<b>Minor Stimulants</b>	<b>348</b>
Caffeine-Like Drugs (Xanthines)	336		Caffeine-Like Drugs (Xanthines)	348
OTC Sympathomimetics	341		OTC Sympathomimetics	354
Herbal Stimulants	342		Herbal Stimulants	355
<b>Global Stimulant Abuse</b>	<b>343</b>		<b>Global Stimulant Abuse</b>	<b>356</b>
Stimulant Production	343		Stimulant Production	356
Stimulant Trafficking	343			
Global Stimulant Consumption	344		Global Stimulant Consumption	356
Global Drug Policy	344		Global Drug Policy	356
<b>CHAPTER 11 TOBACCO</b>	<b>354</b>		<b>CHAPTER 11 TOBACCO</b> New information on tobacco regulation by the Food and Drug Administration (FDA) and the continued increase in the popularity of e-cigarettes	<b>366</b>
<b>Tobacco Use: Scope of the Problem</b>	<b>355</b>		<b>Tobacco Use: Scope of the Problem</b>	<b>367</b>
Current Tobacco Use in the United States	355		Current Tobacco Use in the United States	367
Cigarette Smoking: A Costly Addiction	356		Cigarette Smoking: A Costly Addiction	367
<b>The History of Tobacco Use</b>	<b>356</b>		<b>The History of Tobacco Use</b>	<b>368</b>
Popularity in the Western World	357		Popularity in the Western World	369
History of Tobacco Use in America	358		History of Tobacco Use in America	369
Tobacco Production	358		Tobacco Production	370
Government Regulation	359		Government Regulation	371
<b>Pharmacology of Nicotine</b>	<b>360</b>		<b>Pharmacology of Nicotine</b>	<b>372</b>
Effects of Nicotine on the Central Nervous System	361		Effects of Nicotine on the Central Nervous System	373
Other Effects of Nicotine	361		Other Effects of Nicotine	373
<b>Cigarette Smoking</b>	<b>361</b>		<b>Cigarette Smoking</b>	<b>373</b>
Cardiovascular Disease	361		Cardiovascular Disease	373
Cancer	362		Cancer	373
Bronchopulmonary Disease	362		Bronchopulmonary Disease	373
Effects on Pregnancy	362		Effects on Pregnancy	373
<b>“Light” Cigarettes</b>	<b>362</b>		<b>“Light” Cigarettes</b>	<b>374</b>
<b>Electronic Cigarettes</b>	<b>362</b>		<b>Electronic Cigarettes</b>	<b>375</b>
<b>Tobacco Use and Exposure Without Smoking</b>	<b>363</b>		<b>Tobacco Use and Exposure Without Smoking</b>	<b>375</b>
Smokeless Tobacco	363		Smokeless Tobacco	375
Secondhand Smoke	364		Secondhand Smoke	375
<b>Reasons for Smoking and the Motivation to Quit</b>	<b>364</b>		<b>Reasons for Smoking and the Motivation to Quit</b>	<b>376</b>
Reasons for Smoking	364		Reasons for Smoking	376
Benefits of Cessation	365		Benefits of Cessation	377
The Motivation to Quit	366		The Motivation to Quit	377
<b>Smoking Prohibition Versus Smokers’ Rights</b>	<b>367</b>		<b>Smoking Prohibition Versus Smokers’ Rights</b>	<b>378</b>

<b>CHAPTER 12 HALLUCINOGENS (PSYCHEDELICS)</b>	<b>371</b>	<b>CHAPTER 12 HALLUCINOGENS (PSYCHEDELICS)</b> NEW! Here and Now Boxed feature added • Microdosing, the New Hallucinogenic Fad? DELETED! Here and Now MDMA's Users DELETED! Here and Now a Legal High...At Least for Now	<b>383</b>
<b>Introduction</b>	<b>372</b>	<b>Introduction</b>	<b>384</b>
<b>The History of Hallucinogen Use</b>	<b>372</b>	<b>The History of Hallucinogen Use</b>	<b>384</b>
The Native American Church	373	The Native American Church	385
Timothy Leary and the League of Spiritual Discovery	374	Timothy Leary and the League of Spiritual Discovery	386
Hallucinogen Use Today	374	Hallucinogen Use Today	386
<b>The Nature of Hallucinogens</b>	<b>374</b>	<b>The Nature of Hallucinogens</b>	<b>386</b>
Sensory and Psychological Effects	375	Sensory and Psychological Effects	387
Mechanisms of Action	377	Mechanisms of Action	389
<b>Types of Hallucinogenic Agents</b>	<b>377</b>	<b>Types of Hallucinogenic Agents</b>	<b>389</b>
Traditional Hallucinogens: LSD Types	378	Traditional Hallucinogens: LSD Types	390
Phenylethylamine Hallucinogens	384	Phenylethylamine Hallucinogens	398
Anticholinergic Hallucinogens	388	Anticholinergic Hallucinogens	401
Other Hallucinogens	390	Other Hallucinogens	403
<b>Natural Substances</b>	<b>394</b>	<b>Natural Substances</b>	<b>407</b>
Naturally Occurring Hallucinogens	394	Naturally Occurring Hallucinogens	407
<b>CHAPTER 13 MARIJUANA</b>	<b>403</b>	<b>CHAPTER 13 MARIJUANA</b> The most recent information on developments in states that have or intend to legalize recreational and medical marijuana use, as well as coverage of the differences between the two major types of marijuana (Cannabis sativa and Cannabis indica) UPDATED! Holding the Line box feature Despite Federal Drug Laws Prohibiting the Cultivation, Possession, Use and Sale of Marijuana, States Sanction Cannabis Buyer's Clubs	<b>416</b>
<b>Introduction</b>	<b>404</b>	<b>Introduction</b>	<b>417</b>
<b>Marijuana: History and Current Trends</b>	<b>407</b>	<b>Marijuana: History and Current Trends</b>	<b>421</b>
Historical Roots of Marijuana	408	Historical Roots of Marijuana	421
<b>Current Use of Marijuana</b>	<b>410</b>	<b>Current Use of Marijuana</b>	<b>424</b>
Recent Trends in Use of Marijuana: 8th, 10th, and 12th Graders	412	Recent Trends in Use of Marijuana: 8th, 10th, and 12th Graders	425
<b>Marijuana: Is It the Assassin of Youth?</b>	<b>414</b>	<b>Marijuana: Is It the Assassin of Youth?</b>	<b>429</b>
Major Factors Affecting Marijuana Use	414	Major Factors Affecting Marijuana Use	429
<b>Is Marijuana Really a Gateway Drug?</b>	<b>416</b>	<b>Is Marijuana Really a Gateway Drug?</b>	<b>431</b>
<b>Misperceptions of Marijuana Use</b>	<b>417</b>	<b>Misperceptions of Marijuana Use</b>	<b>432</b>
<b>Characteristics of Cannabis</b>	<b>418</b>	<b>Characteristics of Cannabis</b>	<b>432</b>
		Synthetic Marijuana	435
		Trends in Use	436
		Perceived Risk	436
<b>The Behavioral Effects of Marijuana Use</b>	<b>419</b>	<b>The Behavioral Effects of Marijuana Use</b>	<b>436</b>
The High	419	The "High"	436
Subjective Euphoric Effects	421	Subjective Euphoric Effects	438
Driving Performance	423	Driving Performance	440
Critical Thinking Skills	425	Critical-Thinking Skills	442
Amotivational Syndrome	425	Amotivational Syndrome	443
<b>Therapeutic Uses and the Controversy over Medical Marijuana Use</b>	<b>427</b>	<b>Therapeutic Uses and the Controversy over Medical Marijuana Use</b>	<b>444</b>
Reduction in Intraocular (Eye) Pressure	430	Reduction in Intraocular (Eye) Pressure	446
		Cancer	446
Antiasthmatic Effect	430	Antiasthmatic Effect	448

Muscle-Relaxant Effect	431	Muscle-Relaxant Effect	448
Antiseizure Effect	431	Antiseizure Effect	448
Antidepressant Effect	431	Antidepressant Effect	448
Analgesic Effect	431	Analgesic Effect	448
Antinauseant	431	Antinauseant	448
Appetite Stimulant	431	Appetite Stimulant	449
<b>Short-Term Dangers of Smoking Marijuana</b>	<b>431</b>	<b>Short-Term Consequences of Smoking Marijuana</b>	<b>449</b>
<b>Long-Term Consequences of Smoking Marijuana</b>	<b>432</b>	<b>Long-Term Consequences of Smoking Marijuana</b>	<b>449</b>
<b>The Physiological Effects of Marijuana Use</b>	<b>432</b>	<b>The Physiological Effects of Marijuana Use</b>	<b>450</b>
Effects on the Brain	433	Effects on the Brain	450
Effects on the Central Nervous System	433	Effects on the Central Nervous System	451
Effects on the Respiratory System: Smoking Marijuana	434	Effects on the Respiratory System: Smoking Marijuana	451
Effects on the Respiratory System: Vaporizing Marijuana	434	Effects on the Respiratory System: Vaporizing Marijuana	452
Effects on the Cardiovascular System	435	Effects on the Cardiovascular System	452
Effects on Sexual Performance and Reproduction	435	Effects on Sexual Performance and Reproduction	453
Tolerance and Dependence	436	Tolerance and Dependence	454
Chronic Use	437	Chronic Use	454
<b>CHAPTER 14 INHALANTS</b>	<b>447</b>	<b>CHAPTER 14 INHALANTS</b>	<b>467</b>
<b>Introduction</b>	<b>448</b>	<b>Introduction</b>	<b>468</b>
<b>History of Inhalants</b>	<b>448</b>	<b>History of Inhalants</b>	<b>468</b>
<b>Types of Inhalants</b>	<b>449</b>	<b>Types of Inhalants</b>	<b>469</b>
Volatile Substances	449	Volatile Substances	469
Anesthetics	451	Anesthetics	470
Nitrites	451	Nitrites	471
<b>Legislation</b>	<b>451</b>	<b>Legislation</b>	<b>471</b>
<b>Current Patterns and Signs of Abuse</b>	<b>451</b>	<b>Current Patterns and Signs of Abuse</b>	<b>471</b>
Adolescent and Teenage Usage	452	Adolescent and Teenage Usage	472
Gender, Race, Socioeconomics, and Abuse	452	Gender, Race, Socioeconomics, and Abuse	472
Signs of Inhalant Abuse	452	Signs of Inhalant Abuse	472
<b>Dangers of Inhalant Abuse</b>	<b>453</b>	<b>Dangers of Inhalant Abuse</b>	<b>473</b>
<b>CHAPTER 15 OVER-THE-COUNTER, PRESCRIPTION, AND HERBAL DRUGS</b>	<b>456</b>	<b>CHAPTER 15 OVER-THE-COUNTER, PRESCRIPTION, AND HERBAL DRUGS</b>	<b>476</b>
		Contains the latest status of over-the-counter (OTC) stimulants and decongestants as well as abuse of OTC products and the efforts to switch more prescription drugs to OTC status UPDATED! Here and Now box feature Celebrity Death and Prescription Abuse—Whitney Houston replaced by Prince NEW! Here and Now box feature A Black Box for Opioid Painkillers DELETED! Case in Point box feature Pain Killer Addiction: A Game-Changer	
<b>Introduction</b>	<b>457</b>	<b>Introduction</b>	<b>477</b>
<b>OTC Drugs</b>	<b>457</b>	<b>OTC Drugs</b>	<b>477</b>
Abuse of OTC Drugs	457	Abuse of OTC Drugs	478
Federal Regulation of OTC Drugs	458	Federal Regulation of OTC Drugs	479
OTC Drugs and Self-Care	459	OTC Drugs and Self-Care	479
Types of OTC Drugs	460	Types of OTC Drugs	480
OTC Herbal (Natural) Products	471	OTC Herbal (Natural) Products	491
<b>Prescription Drugs</b>	<b>474</b>	<b>Prescription Drugs</b>	<b>494</b>
Prescription Drug Abuse	474	Prescription Drug Abuse	494
Prescription Abuse and Pregnancy	477	Prescription Abuse and Pregnancy	497
Necessary Drug Information for Healthcare Providers	477	Necessary Drug Information for Healthcare Providers	497

Drug Selection: Generic Versus Proprietary	480	Drug Selection: Generic Versus Proprietary	500
Common Categories of Prescription Drugs	481	Common Categories of Prescription Drugs	501
<b>Common Principles of Drug Use</b>	<b>489</b>	<b>Common Principles of Drug Use</b>	<b>508</b>
<b>CHAPTER 16 DRUG USE IN SUBCULTURES OF SPECIAL POPULATIONS</b>	<b>498</b>	<b>CHAPTER 16 DRUG USE IN SUBCULTURES OF SPECIAL POPULATIONS</b> Updated data and major drug use findings of drug abuse by middle schoolers, adolescents, young adults, middle-aged adults, and senior citizens. Coverage of current topics such as steroid abuse in baseball The latest details and information on injection-drug abusers and HIV/AIDS globally and in the United States	<b>519</b>
<b>Introduction</b>	<b>499</b>	<b>Introduction</b>	<b>520</b>
<b>Athletes and Drug Abuse</b>	<b>500</b>	<b>Athletes and Drug Abuse</b>	<b>521</b>
Laws Intended to Stop the Use of Performance-Enhancing Drugs in Professional Sports	504	Laws Intended to Stop the Use of Performance-Enhancing Drugs in Professional Sports	525
Drugs Used by Athletes	504	Drugs Used by Athletes	525
Prevention and Treatment	513	Prevention of Abuse	537
<b>Drug Use Among Women</b>	<b>514</b>	<b>Drug Use Among Women</b>	<b>538</b>
Women Are More Concerned About Drug Use than Men	514	Women Are More Concerned About Drug Use Than Men	538
Patterns of Drug Use: Comparing Females with Males	515	Patterns of Drug Use: Comparing Females with Males	539
Female Roles, Seeking Treatment, and Drug Addiction	517	Female Roles, Seeking Treatment, and Drug Addiction	541
Women's Response to Drugs	518	Women's Responses to Drugs	543
Treatment of Drug Dependence in Women	521	Treatment of Drug Dependence in Women	546
Prevention of Drug Dependence in Women	522	Prevention of Drug Dependence in Women	547
<b>Drug Use in Adolescent Subcultures</b>	<b>522</b>	<b>Drug Use Among Adolescents</b>	<b>547</b>
Consequences of Underage Drug Use	523	Consequences of Underage Drug Use	549
Why Adolescents Use Drugs	524	Why Adolescents Use Drugs	550
Patterns of Drug Use in Adolescent Families	525	Patterns of Drug Use in Families of Adolescents	551
Current Changes in Teen Drug Use Cause Concern	526	Noteworthy Findings Regarding Teen Drug Use	552
Adolescent Versus Adult Drug Abuse	529	Adolescent Versus Adult Drug Abuse	555
Consequences and Coincidental Problems	529	Consequences and Coincidental Problems	556
Prevention, Intervention, and Treatment of Adolescent Drug Problems	534	Prevention, Intervention, and Treatment of Adolescent Drug Problems	560
Summary of Adolescent Drug Abuse	536	Summary of Adolescent Drug Abuse	562
<b>Drug Use in College Student Subcultures</b>	<b>536</b>	<b>Drug Use Among College Students</b>	<b>562</b>
Reasons for College Students' Drug Use	538	Reasons for College Students' Drug Use	564
Additional Noteworthy Findings Regarding Drug Use by College Students	540	Additional Noteworthy Findings Regarding Drug Use by College Students	567
Recommendations for Reducing Drug Use and Abuse on College Campuses	543	Recommendations for Reducing Drug Use and Abuse on College Campuses	570
<b>HIV and AIDS</b>	<b>544</b>	<b>HIV and AIDS</b>	<b>570</b>
Major U.S. Statistics and Trends in Specific Populations Living with HIV/AIDS	546	Major U.S. Statistics and Trends in Specific Populations Living with HIV/AIDS	571
The Nature of HIV Infection and Related Symptoms	547	The Nature of HIV Infection and Related Symptoms	572
Diagnosis and Treatment	548	Diagnosis and Treatment	574
Who Is at Risk for AIDS?	551	Who Is at Risk for AIDS?	577
AIDS and Drugs of Abuse	552	Women and Men Acquiring HIV and Drugs of Abuse	578
Youth and AIDS	553	Youth and HIV/AIDS	580
What to Do About HIV and AIDS	554	What to Do About HIV and AIDS	582
<b>The Entertainment Industry and Drug Use</b>	<b>555</b>	<b>The Entertainment Industry and Drug Use</b>	<b>582</b>
<b>Promoters of Drug Use: The Internet</b>	<b>557</b>	<b>Promoter of Drug Use: The Internet</b>	<b>585</b>

<b>CHAPTER 17 DRUG ABUSE PREVENTION</b>	<b>573</b>	<b>CHAPTER 17 DRUG ABUSE PREVENTION</b>	<b>603</b>
Introduction	574	Introduction	604
How Serious Is the Problem of Drug Dependence?	576	How Serious Are the Problems of Substance Use Disorders?	606
Drug Prevention	578	Drug Prevention	609
Risk Factors and Protective Factors	578	Risk Factors and Protective Factors	609
Considering the Audience and Approach	581	Considering the Audience and Approach	610
Prevention Research: Key Findings	581	Prevention Research: Key Findings	612
An Example of Drug Prevention at Central High in Elmtown	582	An Example of Drug Prevention at Central High in Elmtown	612
<b>Comprehensive Prevention Programs for Drug Use and Abuse</b>	<b>584</b>	<b>Comprehensive Prevention Programs for Drug Use and Abuse</b>	<b>614</b>
Harm Reduction Model	584	Harm Reduction Model	614
Community-Based Drug Prevention	585	Community-Based Drug Prevention	616
School-Based Drug Prevention	587	School-Based Drug Prevention	617
Family-Based Prevention Programs	590	Family-Based Prevention Programs	620
Individual-Based Drug Prevention and Treatment: Harm Reduction Psychotherapy	590	Individual-Based Drug Prevention and Treatment: Harm Reduction Therapy	621
<b>Drug Prevention Programs in Higher Education</b>	<b>592</b>	<b>Drug Prevention Programs in Higher Education</b>	<b>621</b>
Overview and Critique of Existing Prevention Programs	592	Overview and Critique of Existing Prevention Programs	623
<b>Examples of Large-Scale Drug Prevention Programs</b>	<b>594</b>	<b>Examples of Large-Scale Drug Prevention Programs</b>	<b>625</b>
BACCHUS Peer Education Network	594	The BACCHUS Peer Education Network and NASPA	625
Fund for the Improvement of Postsecondary Education Drug Prevention Programs	595	Fund for the Improvement of Postsecondary Education Drug Prevention Programs	626
Drug Abuse Resistance Education (D.A.R.E.)	597	Drug Abuse Resistance Education (D.A.R.E.)	628
Drug Courts	600	The Drug Court Model	629
<b>Problems with Assessing the Success of Drug Prevention Programs</b>	<b>603</b>	<b>Problems with Assessing the Success of Drug Prevention Programs</b>	<b>635</b>
<b>Other Viable Alternatives to Drug Use</b>	<b>604</b>	<b>Other Viable Alternatives to Drug Use</b>	<b>636</b>
Meditation	606	Meditation	638
The Natural Mind Approach	606	The Natural Mind Approach	638
<b>CHAPTER 18 TREATING DRUG DEPENDENCE</b>	<b>612</b>	<b>CHAPTER 18 TREATING DRUG DEPENDENCE</b>	<b>645</b>
Treatment of Addiction	613	Treatment of Addiction	646
Assessing Addiction Severity and Readiness to Change	613	Assessing Addiction Severity and Readiness to Change	646
Principles of Treatment	613	Principles of Treatment	646
Comorbidity	616	Comorbidity	649
<b>Drug Addiction Treatment in the United States</b>	<b>618</b>	<b>Drug Addiction Treatment in the United States</b>	<b>651</b>
Historical Approaches	619	Historical Approaches	652
General Therapeutic Strategies	620	General Therapeutic Strategies	653
Behavioral Therapies	621	Behavioral Therapies	654
Pharmacological Strategies	621	Pharmacological Strategies	654
<b>Appendix A: Federal Agencies with Drug Abuse Missions Drug Enforcement Administration The Substance Abuse and Mental Health Services Administration State Regulations</b>	<b>627</b>	<b>Appendix A: Federal Agencies with Drug Abuse Missions Drug Enforcement Administration The Substance Abuse and Mental Health Services Administration State Regulations</b>	<b>659</b>
<b>Appendix B: Drugs of Use and Abuse</b>	<b>629</b>	<b>Appendix B: Drugs of Use and Abuse</b>	<b>661</b>
Glossary	638	Glossary	668