## TABLE OF CONTENTS

INTRODUCTION	1
Overview	
Definition of Terms	
The Terms "Use" and "Abuse"	
Overall Goal and Brief Rationale for This Work	2
How This Guide Is Structured	3
Section I: Theoretical and Foundational Perspectives: Defining the Problem, The Targets for Change, & Interven	
Section II: Guidelines and Enhancements for the Delivery of Driving With Care Protocols to Underage Impaired	
Driving Offenders	4
And Annual Color One and	,
Age Appropriate Groups	
Summary of Introduction	4
SECTION I: THEORETICAL AND FOUNDATIONAL PERSPECTIVES: Defining the Problem, The Targets for C	hange
and Intervention Approaches	5
CHAPTER 1: Theoretical and Conceptual Framework for Understanding Adolescent Problem Behavior	6
Overview	6
Summary of Selected Conceptual Theories	6
Social Learning Theory (SLT)	
Problem Behavior Theory (PBT)	
Theory of Planned Behavior (TPB)	
Social Norms Theory (SNT)	
Transitional Teens Theory (TTT)	
Cognitive-Behavioral Therapy (CBT)	
Acquired Preparedness Model (APM)	
Social and Community Responsibility Theory (SCRT)	
Chapter Review	17
CHAPTER 2: Scope of the Problem: Incidence, Consequences, and Costs	19
Overview	10
Underage Driving	
Underage Driving	,I
The Problem	19
Rite of Passage and Transitional Development	
Factors Involving Underage Driving Crashes	
Efforts at Intervention	
Noncrash Risks	
Teen Driving "Loses Gas"	2 <sup>-</sup>
Benefits of Teen Driving	2
The Scope of Underage Drinking and Other Drug Use	2
The Problem	3-
The Problem	
Prevalence of Use	
Binge Drinking Early Inception of Drinking and Later Impact	
Short and Long-Term Problem Impact	
College Students	23

Minimum Legal Drinking Age (MLDA)	
Segue Into UID	24
The Scope of the Problem of Underage Impaired Driving	24
The Prevalence of UID	24
Binge Drinking and UID	
Impact of UID	
Drugs Other Than Alcohol	
Effect of BAC	
Efficacy of Zero-Tolerance (ZT) and Other Laws	
Chapter Review	26
CHAPTER 3: Prevalence and Consequences of Alcohol and Other Drug Use in Underage Populations	28
Overview	28
Defining Sub-Groups Within the Underage Population	
Transitional Teens (TT)	20
Transition to Adulthood (TTA)	
Drawelance of ACD Has Among Different Hadevage Comples	20
Prevalence of AOD Use Among Different Underage Samples	
Prevalence Trends for Alcohol, Marijuana and Any Illicit Drug Use	
Lifetime and 30-Day Prevalence for All Drugs	
SAMHSA's National Surveys on Drug Use and Health (NSDUH)	
Clinical and Offender Samples	
, and the second se	
Tobacco Products and Cigarette Smoking	
Defining Substance Abuse in the Underaged	38
Normative Issues and Defining Underage SUD	39
Limitations of DSM-IV in Determining a SUD	39
Prevalence and Types of Risk-Consequences of Underage AOD Use	39
Emergency Department Visits	40
Predicting Alcohol and Substance Abuse in Adulthood	40
Prevalence of SUDS: Substance Abuse and Substance Dependence	40
Dangerous Patterns of Alcohol Use	
Medical-Physical Problems Including Brain Impairment	4
School Problems, Failure and Dropout	4 <sup>-</sup>
Risky Sexual Behavior	42
Psychological and Mental Health Co-Morbidity	42
Impaired Driving	42
Injuries, Accidents and Assaults	42
Delinquency, Criminal Conduct and Violence	
Problems Among Underage Military Personnel	
Summary of Risk Consequences	
Symptom Risk-Outcomes for Adolescent Samples	44
Chapter Summary	44
CHAPTER 4: Risk, Causal and Dynamic Factors Related to Underage Drinking and Drug Use	47
Overview	
Understanding Causative, Risk and Protective Factors	47
Defining Causal, Risk and Protective Factors	45
DETUNDO POUNDE MAN ONO ETOTECHAE TOCAMA	

Different Models for Understanding Risk Factors	
Using Multiple Predictors and Multiple Outcomes	
Risk Factors: Targets for Change	49
Risk as Defined by Theories of Adolescent Problem Behavior	50
Use Risk and the Gateway Theory	51
Specific Risk Factors Associated With Underage Drinking and Drug Use	
Biologically Based Risk Factors	53
Biogenetic Factors	53
Sensitivity and Tolerance to Alcohol	
Sensation-Seeking (SS) and Risk-Taking (RT)	
Relationship of Brain Development and AOD Use	
Cognitive-Psychological Factors	58
Early Childhood Behavioral Problems	
Benefits and Expectations Derived From AOD Use	
Psychological Deregulation and Undercontrol	
Psychological and Emotional Problems and Disorders	
History of Abuse	
Drinking Beliefs	
Personality Characteristics and Patterns as Risk Factors	
Moral Development and Responsibility Towards others and the Community	61
Relationship and Social Influences	61
Parent, Family and Significant Adult Influence	61
Peer Influence	
Social and Interpersonal Relationships	
Community-Environmental Influences	64
School Influences	64
Impact of School and Community Rule and Legal Enforcement	
Community Situational and Contextual Factors	
Social and Community Norms	
Socioeconomic Factors	
Availability and Promotion of Alcohol and Other Drugs	
Cost of Alcohol and Alcohol-Related Problems	
Failure to Enforce Laws Regulating Alcohol Sales and the Minimum Legal Drinking Age (MLDA) Laws	
Tort Liability	67
AOD Use Patterns and Risk Factors in the Underaged	
Chapter Review	69
CHAPTER 5: Causal and Dynamic Factors Related to Underage Impaired Driving	71
Overview	
Underage Impaired Drivers: A Subsample of Underage Drinkers and Drug Users	71
Underage Impaired Drivers: Subsample of Underage Drinkers	
Underage Impaired Drivers Who Are Arrested for Impaired Driving	72
Percent of Total DWI Arrests That Are Underage	72
Summary of Findings	
Description of the Underage Impaired Driving Offender	73
p	

Literature Descriptions	
Description of UIDO Study Group	
Comparing Lifetime AOD Use Prevalence of UIDOs With National Survey Samples	
Comparing UIDOs and Other Adolescent Samples on Lifetime Symptoms	
Comparing Underage Impaired Driving Offenders With Adult Impaired Driving Offenders	
Conclusions From the Comparative Studies	78
Specific Risk and Protective Factors Related to UID	79
Biologically Based Risk Factors	79
Sensitivity and Tolerance to Alcohol	70
Impulsivity and Disinhibiting Responding	
Relationship of Brain Development and AOD Use	
, , , , , , , , , , , , , , , , , , ,	
Cognitive-Psychological-Personality Factors	80
Cognitive Factors: Errors in Thinking	81
Cognitive Factors: Beliefs About Drinking and Driving	
Cognitive Factors: Moral and Responsibility Reasoning	
Personality Factors: Impulsivity, Sensation-Seeking (SS) and Risk-Taking (RT)	
Adolescent Problem Behaviors as Risk	
Social-Relationship Risk Factors	84
Parent and Adult Role Models	
Parental Monitoring	
Peer Influence	84
Community-Environmental Factors	85
Accessibility of Alcohol	85
Access and Convenience of a Motor Vehicle	
Drinking Patterns Most Predictive of UID	86
Early Drinking	04
Gregarious or Socializing Drinking	
Binge and Frequency Drinking Patterns as High Risk for UID	
brilge and frequency brinking ratterns as riigh kisk for Oib	00
Interaction of Environment and Personality Factors as Predictors	
High-Risk Driving Behavior and Underage Impaired Driving	87
Summary of Risk Factors Most Predictive of UID	87
Chapter Review	88
CHAPTER 6: Assessment of the Underage Impaired Driving Offender	89
0	00
OverviewThe Convergent Validation Model of Assessment	
The Convergent Validation Model of Assessment	89
Components of the Assessment Process	
Risk, Needs and Responsivity Principles	
Goals and Objectives of Assessment	
Sources of Information and Report Subjectivity	
Valuing Client Self-Disclosure: All SR Information is Valid	
The Convergent Validation Model	
Self-Report Data as a Valid Estimate of the "True" Condition	92
Levels of Intervention Service	93
Guidelines and Instruments for UIDO Differential Screening	

Preliminary Screening	
Overview of Differential Screening	
Methods and Criteria Used in Screening UIDOs	
1. Prior DWI Involvement	
2. BAC at Time of Arrest	
3. Self-Selection	
4. Impaired Control Cycle - ICC	
5. The Relationship Identifier	
6. Minimum Symptoms Criteria: DSM-IV Substance Abuse and Substance Dependence	
7. Standardized Self-Report Psychometric Approaches	97
Determining Substance Use Disorders (SUDS) Among the Underaged	97
UIDO Risk Assessment: Behavior Assessment Questionnaire	98
Differential Screening and Assessment Placement (DSAP) Model	98
Adult Substance Use and Driving Survey (ASUDS)	99
2. Collateral Information	
3. Interview Data	
Guidelines for Referral Decisions	100
Ouldelines for Referral Decisions	100
Comprehensive Assessment: A Multiple Risk and Multidimensional Approach	102
Risk-Resiliency Areas in Adolescent and UIDO Assessment	102
1. Core Risk Assessment Areas	102
2. Adjunct Areas of Assessment	
3. Cognitive Assessment	
4. Specific Risks for Impaired Driving	
5. Conceptual Framework for Comprehensive Assessment	
Psychometric Instrumentation for In-Depth, Differential Assessment	103
Utilization of All Sources of Information	
Evaluating Co-Occurring Problems	107
Social Responsibility: Deviancy and Criminal Conduct	107
Mental Health and Psychological Areas	
Progress Evaluation Assessment	108
Resurveying of the Adult Substance Use and Driving Survey	109
Resurveying of the ASAP-II and AdSAP	109
Resurveying of the Behavioral Assessment Questionnaire (BAQ)	109
Driving With Care Client Progress Report (DWC-CPR)	109
Change and Outcome Assessment: Short and Long-Term	100
Master Profile (MP)	
Master Profile (Mir)	
Chapter Review	
CHAPTER 7: Interventions Based on Community Regulations and Laws	111
• •	
Overview	
Laws Regulating Underage Drivers	III
National Laws Governing Underage Driving	
Minimum Legal Driving (MLD) Age and Graduated Driving Licensing (GDL) Laws	
Efficacy of MLD Age and GLD Laws	
Benefits of Teen Licensing	
Interaction of Teen Licensing and AOD Use	
Colorado Laws Regulating Underage Drivers	114

	derage Drinking and Minors in Possession	
	National Laws Governing Underage Drinking	
	Minors in Possession	
E	Efficacy of the Minimum Legal Drinking Age (MLDA) Laws	116
Е	Inforcement and Community Regulation	118
Ε	Efficacy of Sanctioning in Preventing Underage Drinking	119
	Efforts and Controversies Around Lowering the MLDA	
Law	vs Related to Underage Impaired Driving	120
	General Laws Across States	
	Efficacy of Zero-Tolerance (ZT) Laws	
	Methods and Approaches to Enforcement	
	intercy of Enforcement and Sanctioning	122
Sun	nmary of Chapter	123
CH	APTER 8: Interventions and Operational Guidelines for Underage Impaired Driving Offenders	124
Ove	erview	124
Con	nmunity Human Services Strategies for UID Prevention	124
	Surgeon General's Call to Action to Prevent Underage Drinking	
C	Coordinating Efforts to Mediate UID	125
Effi	cacy of Sanctioning and Intervention Services	125
_	TTT and at the state of the sta	125
	Efficacy of Sanctioning and Punishment	
E	Efficacy of Correctional Education and Treatment	126
Goa	als of Driving With Care	126
	Two Primary Goals	
D	DWC Addresses All AOD Use Patterns	126
Tarq	gets for Change and Intervention Strategies	127
1.	Biological risks and vulnerability	127
ı. 2.		
2. 3.	Cognitive: Errors in thinking	
ა. 4.	Cognitive: Deficits in moral and responsibility reasoning	
4. 5.	Personality: Sensation-seeking	
э. 6.		
o. 7.	Personality: Impulsivity Personality: Risk-taking (RT)	
8.	Underage drinking and UID as the norm	
9.	Peer influence, pressure and modeling	
	Adult acceptance and role modeling of drinking and drinking and driving	
11.	Driving Risks	
	Underage alcohol and other drug use	
	Lack of parental structure and support	
14.	Easy access through social and retail sources	133
0pe	erational Guidelines an Strategies for Service Delivery	133
C	Generic Requirements for Effective DWC Delivery	133
	Preparation and Qualifications for UIDO Providers	
	Education and Occupation of Continue	40.4
	Education and Counselor Certification	
	Experience	
	Specialty Training	134

Enhancing UIDO Involvement and Learning	135
Use of UIDO Case Vignettes or Stories	
Reticence Versus Resistance of UIDO Participation	
Methods for Enhancing Interaction, Participation, and Skill Development	136
Age-Specific Service Delivery Strategies	138
Separating Underage Groups From Adults	
Integration of UIDOs Into DWI Intervention Programming	138
Ethical, Legal and Professional Standards for Service Delivery	139
Chapter Review	140
SECTION II: GUIDELINES AND ENHANCEMENTS FOR THE DELIVERY OF DRIVING WITH CARE (DWC) TO UNDE IMPAIRED DRIVING OFFENDERS	
INTRODUCTION TO SECTION II	142
Overview	
Release of Information, Confidentiality and Consent for Treatment	142 142
DWC Curriculum: Delivery to Underaged Impaired Driving Offenders	
Orientation Sessions	1//2
Underage-Specific Groups	
Guidelines for Mixed-Aged Groups	143
Screening UIDO Clients Into DWC Protocols	
Participant's WorkbookSession Length and Attention Span	
Types of Modifications or Enhancements for UIDO Clients	145
Session Content and Discussion	
Exercises and Worksheets	
How the Modifications and Enhancements Are Presented	1/16
Thinking and Action Pattern (TAP) Charting	
Structured Family Orientation Group	146
Case Vignettes	146
LEVEL I EDUCATION: ALCOHOL, OTHER DRUGS AND DRIVING SAFETY EDUCATION	147
Overview	147
Summary Description of Level I Education	
Level I Delivery StrategyEnhanced and Revised Worksheets	147 1 <i>4</i> 7
Case Vignette: Jason's Story	148
LESSON 1: Developing a Working Relationship	149
LESSON 2: Alcohol and Other Drug Impaired Driving: The Laws and Beyond the Law	150
LESSON 3: Changing Our Thoughts, Beliefs and Our Actions: Learning Self-Control and Driving With Care	153
LESSON 4: Alcohol and Other Drugs: How Do the Facts and Ideas About Alcohol and Other Drugs Fit You?	156
LESSON 5: Understanding Alcohol and Other Drug (AOD) Use and Problem Outcome Patterns	
LESSON 6: Preventing Relapse and Recidivism	159
LEVEL II EDUCATION: ALCOHOL, OTHER DRUGS AND DRIVING SAFETY EDUCATION	162
Overview	162
Summary Description of Level II Education	162
Level II Delivery Strategy	162 162

Enhanced Worksheets	163
Thanking and Action Patterns (TAP) Charting	
LESSON 1: Program Orientation - Developing a Working Relationship	
LESSON 1: Program Orientation - Developing a working kelationship	
LESSON 3: How Our Thinking, Attitudes and Beliefs Control Our Actions	
LESSON 4: How Behavior is Learned and Changed: Learning Self-Control and Driving With Care	
LESSON 5: Alcohol and Other Drugs: How Do the Facts and Ideas About Alcohol and Other Drugs Fit You?	
LESSON 6: Alcohol and Other Drug(AOD) Use Patterns: How Do they Fit You?	
LESSON 7: Problem Outcomes of Alcohol or Other Drug Use: Patterns of Misuse and Abuse - How Do They Fit You?	
LESSON 8: Pathways to Relapse and Recidivism	
LESSON 9: The Process and Steps to Preventing Relapse and Recidivism	
LESSON 10: Preventing Relapse and Recidivism: Building Personal Values and Prosocial Attitudes and Behaviors and Driving V	Vith Care179
LESSON 11: Preventing Relapse and Recidivism: Managing Stress and Emotions	
LESSON 12 Preventing Relapse and Recidivism: Building Healthy Family and Social Relationships	182
PROGRAM CLOSURE: Review and Reflection	184
LEVEL II THERAPY: ALCOHOL, OTHER DRUGS AND DRIVING SAFETY EDUCATION	186
Overview	
Summary Description of Level II Therapy Level II Delivery Strategy	
Level II Therapy Orientation	186
Enhanced Worksheets	18 <i>1</i> 187
AOD Weekly Monitoring Chart	187
Case Vignette: Derreck's Story	187
SESSION 1: Introduction and Program Orientation I: Understanding and Engaging the Change Process	189
SESSION 2: Program Orientation II: Targets and Tools for Change: The Master Skills, Your Master Profile and Your Master Asse	essment Plan
192 SESSION 3: Pathways to Alcohol and Other Drug Use Problem Outcomes and Addictions	192
SESSION 4: AOD Problem Outcomes and Patterns: Your Relapse and Recidivism Prevention Goals	
SESSION 5: Managing AOD Cravings and Urges	
SESSION 6: Skills in Cognitive Self-Control: Recognizing and Changing Negative Thoughts and Negative Thinking	
SESSION 7: Skills in Cognitive Self-Control: Recognizing and Changing Errors in Thinking	
SESSION 8: Skills in Cognitive Self-Control: Managing Emotions, Stress and Depression	
SESSION 9: Skills in Cognitive Self-Control: Recognizing and Managing Anger	
SESSION 10: Social and Relationship Skills Building: Learning Communication Tools and Skills	
SESSION 11: Social and Relationship Skills Building: Starting and Keeping a Conversation Going	
SESSION 12: Social and Relationship Skills Building: Giving and Receiving Positive Reinforcement - Praise	
SESSION 13: Social and Relationship Skills Building: Learning Problem Solving	
SESSION 14: Social and Relationship Skills Building: Assertiveness Skills Development	
SESSION 15: Social and Relationship Skills Building: Learning and Practicing Refusal Skills	
SESSION 16: Social and Relationship Skills Building: Developing and Keeping Intimate and Close Relationships	
SESSION 17: Strengthening Recidivism and Relapse Prevention Skills	
SESSION 18: Relapse and Recidivism Prevention: Your Relapse and Recidivism Prevention Plan and Lifestyle Balance	209
SESSION 19: Community Responsibility Skills: Strengthening Character and Prosocial Values and Behavior	210
SESSION 20: Community Responsibility Skills: Understanding and Practicing Empathy	212
SESSION 21: Community Responsibility and Relationship Skills: Resolving Conflicts and Negotiation Skill Development	213
PROGRAM CLOSURE: Review and Reflection	214

PARENT AND FAMILY GROUPS	215
REFERENCES	217
APPENDIX A	245
APPENDIX B	251
APPENDIX C	259
APPENDIX D	269
APPENDIX E	281
LIST OF TABLES	
Table 3.1: Trends of Percent Used From 1992 Through 2008 for Alcohol Use and Having Been Drunk 30 Days Prior to Survey	32
Table 3.2: Trends of Percent Used From 1992 Through 2008 for Use of Any Illicit Drug and Use of Marijuana in 30 Days Prior to Survey	
Table 3.3: National Sample: Lifetime Prevalence of Use of Various Drugs at Least Once for Grades 8, 10, 12, and College	34
Table 3.4: National Sample: Thirty-Day Prevalence of Use of Various Drugs For Grades 8, 10, 12, and College Students	35
Table 3.5: Percent of Underage Reporting Any Alcohol Use, Binge Alcohol Use, and Heavy Drinking in Month Before Survey, 200	536
Table 3.6: Lifetime Prevalence of Use of Various Drugs at Least Once For: Clinical Group, Youth on Probation,  Committed Juvenile Offenders, and Underage Impaired Drivers	37
Table 3.7: Thirty-Day Prevalence of Use of Various Drugs at least Once for: Clinical Sample, Youth on Probation,  Committed Juvenile Offenders, and Underage Impaired Drivers	37
Table 3.8: Prevalence of Use of Cigarettes for 8th, 10th and 12th Graders With a Ten Year Trend	39
Table 3.9: Lifetime Disruptive Symptoms for Adolescent Clinical Sample, Committed Juvenile Offenders, Youth on Probation, and Underage Impaired Driving Offenders	45
Table 5.1: Descriptive Summary of Three Underage Impaired Driving Offender Samples and Total Sample	75
Table 5.2: Comparing Lifetime Prevalence of Use of Various Drugs at Least Once of National 10th Grade, 12th Grade and Underage College Students With Underage Impaired Driving Offenders	76
Table 5.3: Comparing 477 Underage Impaired Driving Offenders (UIDOs) With 4053 Adult Impaired Driving Offenders (AIDOs)  Across the ASUDS Scales	78
Table 6.1: Placement Distributions Into Three Service Categories for UIDOs (ages 15 through 20) and AIDOs (ages 21 or more)	102
Table 6.2: Placement Distributions Into Three Service Categories Within the UIDO Group: ages 15-17; and ages 18-20	102
Table 6.3: Summary Description of the 24 Basic Scales of the ASAP-II	105
Table 6.4: Summary Description of the 14 Supplemental Scales of the ASAP-II	106
Table 7.1: Colorado Laws and Regulations for Minors in Possession	117
Table 7.2: County Court Penalty Structure for Colorado's ZT Laws	121
Table 7.3: Motor Vehicle Division Penalty Structure for Colorado's ZT Laws	121
LIST OF FIGURES	
Figure 6.1: Conceptual Framework for Comprehensive and In-Depth Assessment of Underaged Impaired Driving Offenders	104