



Comparison of Substance Abuse Screening Tests

TEST	sensitivity % of true cases identified	specificity % without condition who test negative	format
AUDIT Score 12 Score 8 Score 2	28 61 97	97 90 25	Alcohol Use Disorders Identification Test 10 questions Self-administrated or interview To identify harmful use Cross-cultural validity Developed by World Health Organization
AUDIT - C Score 3 or more	100	80	Consumption questions from AUDIT 10 questions Self-administrated or interview To identify harmful use Cross-cultural validity
AUDIT - PC Score 5 or more	98	90	for Primary Care settings 10 questions Self-administrated or interview Identifies harmful use Cross-cultural validity
Brief MAST Score of 6 or more	60	90	Derived from MAST 10 questions Self-administered or interview To detect alcoholism
CAGE All items positive 3 positive 2 positive items	37 66 81	100 99 89	Acronym for questions 4 questions Clinical interview To detect alcoholism No cutoff score to differentiate dependence from abuse

	sensitivity	specificity	format
CRAFFT Score of 2 or more	76	94	Acronym for questions 6 questions Clinical interview Designed for adolescents To identify high risk use warranting further evaluation
DAST Score 6 or more	79	96	Drug Abuse Screening Test 28 questions Self-administrated or interview To detect drug problems
Fagerstrom Nicotine Dependence Test Score of 6 or more	68	81	5 questions Clinical interview To assess level of nicotine dependence
MAST Score 5 or more	98	95	Michigan Alcoholism Screening Test 25 questions Self-administered or interview To detect alcoholism
MAST - G Score 5 or more	86	47	Michigan Alcoholism Screening Test - Geriatric version 24 questions Self-administered or interview To detect alcoholism
Short MAST Score 3 or more	83	87	Derived from Michigan Alcoholism Screening Test 13 questions Self-administrated or interview To detect alcoholism

	sensitivity	specificity	format
Short MAST - G Score 2 or more	75	69	Short form of Geriatric version Michigan Alcoholism Screening Test 10 questions Self-administrated or interview To assess harmful use
TWEAK Score of 2 (high risk) Score of 1 (moderate risk)	70 66	73 64	Acronym for questions 5 questions Clinical interview Pregnant women To detect high risk use
T-ACE Score of 2 or more	67	86	Acronym for questions 4 questions Clinical interview Pregnant women To detect high risk use
Trauma Scale	68	81	5 questions Clinical interview To detect alcohol problems, not alcoholism