| **Test name** | **Cutoff** | **Author, year** | **Diagnostic criteria source** | **Condition** | **Condition, %** | **Reference standard** | **n** | **Screened group** | **Sensitivity (95% CI‡)** | **Specificity (95% CI‡)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ASSIST** | ≥2\* | Gryczynski, 2015114 | DSM-5 | ≥1 DSM-5 criteria | 9.3 | CIDI-2 SAM | 525 | All adolescents | 0.898 | 0.821 |
| **AUDIT** | ≥5 | Knight, 2003119 | NA | ≥1 alcohol-related problem | 28.4 | ADI | 538 | All adolescents | 0.50(0.43, 0.58) | 0.97(0.95, 0.99) |
| ≥3 | Knight, 2003119 | NA | ≥1 alcohol-related problem | 28.4 | ADI | 538 | All adolescents | 0.72(0.65, 0.79) | 0.89(0.86, 0.92) |
| ≥8 | Knight, 2003119 | NA | ≥1 alcohol-related problem | 28.4 | ADI | 538 | All adolescents | 0.24(0.18, 0.31) | 1.0(0.99, 1.0) |
| ≥8 | D'Amico, 2016105 | NA | Use, past year | 41.7 | DISC-IV | 1569 | All adolescents | 0.19(0.16, 0.22) | 0.99(0.98, 1.00) |
| ≥2\* | Knight, 2003119 | NA | ≥1 alcohol-related problem | 28.4 | ADI | 538 | All adolescents | 0.88(0.83, 0.93) | 0.81(0.77, 0.85) |
| ≥5\* | Santis, 2009131 | NR | Harmful Use (NOS) | 27.9 | CIDI-SAM | 58 | All adolescents | 0.750(0.43, 0.93) | 0.645(0.454, 0.802) |
| **Youth Screen†** | Moderate or high risk\* | D'Amico, 2016105 | NA | Use, past year | 41.7 | DISC-IV | 1573 | All adolescents | 0.40(0.37, 0.44) | 0.97(0.95, 0.98) |
| ≥6\* | Levy, 2016123 | DSM-5 | ≥1 DSM-5 criterion | 2.1 | DISC-IV | 388 | All adolescents | 1.00 | 0.91(0.88, 0.94) |
| ≥1\* | Levy, 2016123 | DSM-5 | Use, past year | 26.3 | DISC-IV | 388 | All adolescents | 0.83(0.76, 0.90) | 0.94(0.91, 0.97) |
| **Frequency** | ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 1.5 | NSDUH | 11478 | Females age 12 | 1.00 | 0.95 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 1.3 | NSDUH | 11822 | Males age 12 | 1.00 | 0.94 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 4.4 | NSDUH | 12164 | Females age 13 | 1.00 | 0.87 |
| **Frequency** | ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 3.4 | NSDUH | 12796 | Males age 13 | 1.00 | 0.88 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 8.5 | NSDUH | 12135 | Females age 14 | 1.00 | 0.77 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 6.8 | NSDUH | 12696 | Males age 14 | 1.00 | 0.80 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 15.3 | NSDUH | 12161 | Females age 15 | 1.00 | 0.66 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 12.8 | NSDUH | 12590 | Males age 15 | 1.00 | 0.70 |
| ≥6 days\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 19.7 | NSDUH | 11942 | Females age 16 | 1.00 | 0.83 |
| ≥6 days\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 19.3 | NSDUH | 12481 | Males age 16 | 0.99 | 0.83 |
| ≥6 days\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 22.9 | NSDUH | 11554 | Females age 17 | 1.00 | 0.78 |
| ≥6 days\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 25.0 | NSDUH | 11966 | Males age 17 | 1.00 | 0.77 |
| ≥12 days\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 26.1 | NSDUH | 10069 | Females age 18 | 0.93 | 0.77 |
| ≥12 days\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 32.0 | NSDUH | 10311 | Males age 18 | 0.94 | 0.74 |
| High risk | Clark, 2016102 | DSM-5 | Severe Use Disorder | NR | NSDUH | NR | 12-18 years | 0.91 | 0.93 |
| Moderate risk | Clark, 2016102 | DSM-5 | Severe Use Disorder | NR | NSDUH | NR | 12-18 years | 1.00 | 0.80 |
| 12-month use\* | Harris, 2016116 | NA | Use, past year | 21.3 | TLFB | 136 | All adolescents | 0.62(0.44, 0.78) | 0.98(0.93, 1.00) |
| **5+ drinks** | ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 1.5 | NSDUH | 11478 | Females 12 years | 0.30 | 0.99 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 1.3 | NSDUH | 11822 | Males 12 years | 0.37 | 0.99 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 4.4 | NSDUH | 12164 | Females 13 years | 0.35 | 0.99 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 3.4 | NSDUH | 12796 | Males 13 years | 0.33 | 0.99 |
| **5+ drinks** | ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 8.5 | NSDUH | 12135 | Females 14 years | 0.45 | 0.97 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 6.8 | NSDUH | 12696 | Males 14 years | 0.47 | 0.97 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 15.3 | NSDUH | 12161 | Females 15 years | 0.52 | 0.95 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 12.8 | NSDUH | 12590 | Males 15 years | 0.55 | 0.95 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 19.7 | NSDUH | 11942 | Females 16 years | 0.56 | 0.93 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 19.3 | NSDUH | 12481 | Males 16 years | 0.66 | 0.92 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 22.9 | NSDUH | 11554 | Females 17 years | 0.60 | 0.91 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 25.0 | NSDUH | 11966 | Males 17 years | 0.71 | 0.88 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 26.1 | NSDUH | 10069 | Females 18 years | 0.67 | 0.88 |
| ≥1 day\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 32.0 | NSDUH | 10311 | Males 18 years | 0.76 | 0.83 |
| **Quantity** | ≥1 drink\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 1.5 | NSDUH | 11478 | Females 12 years | 1.00 | 0.95 |
| ≥1 drink\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 1.3 | NSDUH | 11822 | Males 12 years | 1.00 | 0.95 |
| ≥1 drink\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 4.4 | NSDUH | 12164 | Females 13 years | 1.00 | 0.89 |
| ≥1 drink\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 3.4 | NSDUH | 12796 | Males 13 years | 1.00 | 0.89 |
| ≥1 drink\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 8.5 | NSDUH | 12135 | Females 14 years | 1.00 | 0.78 |
| ≥1 drink\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 6.8 | NSDUH | 12696 | Males 14 years | 1.00 | 0.81 |
| **Quantity** | ≥1 drink\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 15.3 | NSDUH | 12161 | Females 15 years | 1.00 | 0.68 |
| ≥1 drink\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 12.8 | NSDUH | 12590 | Males 15 years | 1.00 | 0.72 |
| ≥2 drinks\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 19.7 | NSDUH | 11942 | Females 16 years | 0.64 | 0.90 |
| ≥2 drinks\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 19.3 | NSDUH | 12481 | Males 16 years | 0.67 | 0.91 |
| ≥2 drinks\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 22.9 | NSDUH | 11554 | Females 17 years | 0.68 | 0.87 |
| ≥2 drinks\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 25.0 | NSDUH | 11966 | Males 17 years | 0.73 | 0.86 |
| ≥2 drinks\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 26.1 | NSDUH | 10069 | Females 18 years | 0.77 | 0.82 |
| ≥2 drinks\* | Chung, 2012101 | DSM-IV | ≥1 DSM-IV criteria | 32.0 | NSDUH | 10311 | Males 18 years | 0.80 | 0.79 |

\* Optimal cutoff
† Includes NIAAA screening guide screening questions for youth and the Brief Screener for Tobacco, Alcohol, and Other Drugs (BSTAD)

‡ Only confidence intervals reported by the authors included in this table

**Abbreviations**: ADI = Adolescent Diagnostic Interview; ASSIST = Alcohol, Smoking and Substance Involvement Screening Test; AUDIT = Alcohol Use Disorders Index Test; AUDIT-C = Alcohol Use Disorders Index Test, Consumption; CI = confidence interval; CIDI-SAM = Composite International Diagnostic Interview Substance Abuse Module; CIDI-2 SAM = Composite International Diagnostic Interview, 2nd edition Substance Abuse Module; DISC-IV = Diagnostic Interview Schedule for Children, Fourth Edition; DSM-IV = Diagnostic and Statistical Manual, Fourth Edition; DSM-5 = Diagnostic and Statistical Manual, Fifth Edition; M-CIDI = Munich Composite International Diagnostic Interview; n = number; NA = not applicable; NIAAA = National Institute on Alcohol Abuse and Alcoholism; NR = not reported; NSDUH = National Survey on Drug Use and Health; pct = percentage; TLFB = Timeline Followback