

## Detailed comparison table of approved mental health screening instruments

The following instruments have been reviewed and approved by the Minnesota Departments of Health and Human Services for Child and Teen Checkups (C&TC), and meet Minnesota Community Measurement guidelines for the adolescent depression or mental health screening measure.

TOOL	PURPOSE	AGE (years)	Description	LINGUISTIC/CULTURAL SENSITIVITY	PSYCHOMETRICS	PRACTICALITY	COST/AVAILABILITY	MEETS MEASURE
<b>BDI II</b> Beck Depression Inventory II	Screen for depression & suicide risk; areas screened reflect DSM IV criteria.	13-adult	21 items, self-report	Validated in English. Available in Spanish. Reading level 6 <sup>th</sup> grade.	Reliability: internal consistency: .92 Validity: convergent .84; Area under ROC curve: .78 Sensitivity: .84 Specificity: .81	Time to administer: 5 minutes Minimum expertise: Master's level or higher to interpret results	Proprietary. \$121.50/kit, including manual & 25 record forms. <a href="http://www.pearsonassessments.com">Pearson Assessments (www.pearsonassessments.com)</a>	
<b>BDI-FS</b> BDI – Fast Screen	Quickly screen for depression in adolescents & adults	13-adult	7 items, self-report	Not described	Reliability: internal consistency .89 Validity: Area under ROC curve: .90. Sensitivity: .89 Specificity: .74 (based on cut-off score 6)	Time to administer: <5 minutes Minimum expertise: Master's level or higher to interpret results	Proprietary. \$100/kit including manual & 50 record forms. <a href="http://www.pearsonassessments.com">Pearson Assessments (www.pearsonassessments.com)</a>	
<b>CDI-2</b> Children's Depression Inventory, 2 <sup>nd</sup> version	Screen for depression, with emotional & functional scales	7-17	28 items – youth self-report. (10 item short-forms available.) 12 items – teacher. 17 items – parent.	Validated in English. Available in Spanish. Reading level: 2 <sup>nd</sup> grade. Norms based on gender, racial/ethnic, geographic distribution reflecting US census.	Per publisher - Reliability: internal consistency .91 (youth); subscale internal consistency .76-.85 (youth), .89 (teacher), .88 (parent). Test-retest .98 (youth). Internal consistency for youth short form .82. Validity: No data found Sensitivity: .83 Specificity: .73	Time to administer: 15-20 minutes. (5 minutes for youth short form.) Minimum expertise: no special skills required.	Proprietary. \$289 for complete kit, including manual and 25 each of long forms, short forms, parent report, & teacher report. <a href="http://www.pearsonassessments.com">Pearson Assessments (www.pearsonassessments.com)</a>	

RECOMMENDED MENTAL HEALTH SCREENING INSTRUMENTS FOR C&TC (6-21 YEARS)

TOOL	PURPOSE	AGE (years)	Description	LINGUISTIC/CULTURAL SENSITIVITY	PSYCHOMETRICS	PRACTICALITY	COST/AVAILABILITY	MEETS MEASURE
<b>GAIN-SS</b> Global Appraisal of Individual Needs, Short Screener	Screen for internalizing & externalizing mental health disorders, substance use, crime/violence.	12-adult	20 items, self-report	English. "Spanish & other language versions will be made available via website as they are released."	Reliability: internal consistency .96 Validity: correlation .84-.94 with full 123-item GAIN Sensitivity: .90 Specificity: .92	Time to administer: 10 minutes Minimum expertise: Minimal	Proprietary; Minnesota has license for all MHCP providers: <a href="http://www.chestnut.app.box.com">GAIN-SS Materials (www.chestnut.app.box.com)</a>	CMS
<b>KADS</b> Kutcher Adolescent Depression Scale	Screen for depression	12-17	16, 11, or 6 item versions	6 item and 11 item scales available in multiple languages. Reading level: 6 <sup>th</sup> grade	Reliability: internal consistency .90 (6 item); .84 (11 item); .84 (16 items). Validity: Area under (ROC) curve: .89 Sensitivity: .92 Specificity: .71 based on cut-off score 6 (6 items)	Time to administer: 5 minutes; 1 minute to score Minimum expertise: Trained health care professionals or educators	Free with permission. <a href="http://www.teenmentalhealth.org">Clinical Tools (www.teenmentalhealth.org)</a>	NCQA
<b>PHQ-2</b> Patient Health Questionnaire – 2 items	Screen for major depressive disorder	12-20	2 items, self-report. First line screening measure	Available in many languages	Reliability: Internal consistency: .84 Test-retest reliability: .80 Validity: cutoff $\geq 2$ Sensitivity: .86-.92 Specificity: .70-.79	Time to administer: <1 minute Minimum expertise: not specified First-stage screener for 12 years and older; if PHQ-2 score is $\geq 2$ , screen at same visit with PHQ-9 or other validated depression screening tool	Free. First two items of the PHQ-9: <a href="http://www.phqscreeners.com">Patient Health Questionnaire (PHQ) Screeners (www.phqscreeners.com)</a>	MNCM
<b>PHQ-9</b> Patient Health Questionnaire – 9 items	Screen for depression & suicide risk	13-adult	9 items, self-report	Available in many languages	Reliability: no data found. Validity: Area under ROC curve: .88. Sensitivity: .895 Specificity: .775, using cut-off score of >11	Time to administer: <5 minutes. Minimum expertise: not specified.	Free. <a href="http://www.phqscreeners.com">Patient Health Questionnaire (PHQ) Screeners (www.phqscreeners.com)</a>	NCQA, CMS
<b>PHQ-9, Modified for Teens</b>	Screen for depression & suicide risk. Wording slightly modified from PHQ-9.	12-18	9 items, self-report	Validated in English. Available in Spanish. Norms not available.	Reliability: No data found. Validity: No data found. Sensitivity: .73 Specificity: .94	Time to administer: <5 minutes Minimum expertise: professional or office staff	Free. <a href="https://www.aacap.org">GLAD toolkit (https://www.aacap.org)</a>	USPSTF, NCQA, PQRS

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<b>PSC-17</b> Pediatric Symptom Checklist, 17 item version (parent version) Only use parent version.	General mental health screening and functional screening, including attention, externalizing, internalizing symptoms	4-16	17 items reported by parent. The 17-item youth self-report tool (11 years and older) is not validated and not recommended for use.	Parent: Available in English, Spanish, Chinese, Vietnamese. Reading level:5-6 grade	<i>Parent version</i> Reliability: internal consistency .67-.82 Validity: concurrent .72-.74 Sensitivity: .42-.88 Specificity: .61-.91 <i>Youth version</i> No data available.	Time to administer: <5 minutes, scoring 1-2 minutes. Minimum expertise: no special qualifications for admin/scoring. Master degree recommended for interpretation.	Free. <a href="http://www.massgeneral.org">Pediatric Symptom Checklist (www.massgeneral.org)</a>	
<b>PSC-35</b> Pediatric Symptom Checklist – 35 items (parent version)	General mental health screening and functional screening, including attention, externalizing, internalizing symptoms	4-16	35 items; parent or youth (11+ years) forms.	Validated in U.S., Japan, Austria, Chile, Philippines, Botswana. Available in English, and many other languages. Audio version available in English, Hmong, Somali, Spanish.	Reliability: internal consistency .91; test-retest .84-.91 Validity: validated per publisher Sensitivity: .68 Specificity: .95 (cut-off 28)	Time to administer: 5 minutes, scoring 1-2 minutes. Minimum expertise: No special qualifications for admin/scoring. Master degree recommended for interpretation.	Free. <a href="http://www.massgeneral.org">Pediatric Symptom Checklist (www.massgeneral.org)</a> or <a href="http://www.brightfutures.org">Pediatric Symptom Checklist (www.brightfutures.org)</a> (pdf)	Bright Futures, CMS, NQF
<b>PSC Youth Self-Report (PSC-Y) (youth version)</b>	General mental health screening and functional screening, including attention, externalizing, internalizing symptoms	11 and older	35 items; parent or youth (11+ years) forms.	Validated in U.S., Japan, Austria, Chile, Philippines, Botswana. Available in English, and many other languages. Audio version available in English, Hmong, Somali, Spanish.	Reliability: test-retest 0.45 Validity: “strong” concurrent validity Sensitivity: .94 Specificity: .88	Time to administer: 5 minutes, scoring 1-2 minutes. Minimum expertise: No special qualifications for admin/scoring. Master degree recommended for interpretation.	Free. <a href="http://www.massgeneral.org">Pediatric Symptom Checklist (www.massgeneral.org)</a> or <a href="http://www.brightfutures.org">Pediatric Symptom Checklist (www.brightfutures.org)</a> (pdf)	Bright Futures, CMS, NQF

The Child and Teen Checkups (C&TC) program is administered through a partnership between the Minnesota Department of Human Services and the Minnesota Department of Health. To obtain this information in a different format, call 651-201-3760 or email [health.childteencheckups@state.mn.us](mailto:health.childteencheckups@state.mn.us).

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