t-reported
CT, USA
milies for their
n

29 Abstract

Purpose: Autistic individuals exhibit elevated rates of depression; however, assessment is complicated by clinical presentations and limited validation in this population. Recent work has demonstrated the utility of the Beck Depression Inventory (BDI-II) in screening for depression in ASD. The current study extends this work by examining the convergence and divergence of selfand informant-reported depression in autistic (n = 258) and non-autistic (n = 255) young adults. Methods: Participants completed the BDI-II as a self-report measure of depression; informants completed the Achenbach Adult Behavior Checklist. Analyses probed for between-group differences in rates of depression symptoms, convergence between self- and informant-reported depression, and discrepancy between self- and informant-reported depression. Results: Results indicated significantly higher rates of depressive symptoms in the autistic group. Convergence was significant in both groups, with significantly greater agreement in the autistic group. There was differential divergence, with the autistic group reporting significantly lower scores relative to informants, and the non-autistic group reporting significantly higher scores relative to informants. Conclusions: Consistent with prior reports, results suggest that depression rates are elevated in autism. Additionally, while the BDI-II may be adequate for screening depressive symptoms in speaking autistic young adults, eliciting information from a close adult informant provides valuable diagnostic information, due to clinically critical concerns about underreporting in this population. Although controlled in analyses, between-group differences in gender, age, race, and informant identity, and a predominantly White and non-Latinx sample, limit the generalizability of these results.

50

51

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

Keywords: Depression, Self-report, Informant-report, Convergence, Discrepancy

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

Brief Report: Convergence and discrepancy between self- and informant-reported depressive symptoms in young autistic adults

Autism spectrum disorder (ASD) is characterized by challenges in social communication and the presence of restrictive and repetitive behaviors (American Psychiatric Association, 2013). Co-occurring psychiatric disorders such as depression are highly prevalent in ASD. Recent estimates suggest that 23-37% of autistic young adults experience depression (Hollocks et al., 2019), compared to 8% of adults in the general population (Brody et al., 2018), though given difficulty assessing depression symptoms in ASD, these rates may reflect over- or underestimates. Relying on caregiver or informant report is common practice in the assessment of psychiatric symptoms in ASD, due in part to concerns about reduced personal insight and difficulty expressing emotions in this population (Ben Shalom et al., 2006; Bishop & Seltzer, 2012). However, depression in autistic individuals may be less apparent to caregivers or informants (Hurtig et al., 2009), and most depression assessments or screeners for adults are intended as self-report measures. Recent work has demonstrated the utility of the Beck Depression Inventory (Beck et al., 1996), a widely used self-report depressive screener, in autistic individuals (Cassidy et al., 2018; Gotham et al., 2015; Williams et al., 2021). This study tests the convergence of self- and informant-report of depression symptoms in a large sample of autistic and non-autistic adults, to optimize assessment of depression in autistic people. The accurate and timely diagnosis of depression in ASD is critical as it impacts quality of

The accurate and timely diagnosis of depression in ASD is critical as it impacts quality of life and contributes to suicidality (Hirvikoski et al., 2020; Kõlves et al., 2021; Williams et al., 2021), yet several factors interfere with assessment. First, autistic individuals may have a unique presentation of depression, reporting significantly more insomnia, restlessness, and fewer feelings of sadness and worthlessness, compared to non-autistic depressed people (Montazeri et

al., 2020; Moss et al., 2015). Second, there can be difficulty distinguishing features of autism and depression, such as social withdrawal or flat affect (Stewart et al., 2006). Third, existing depression screeners were developed and normed primarily in non-autistic populations, and therefore their efficacy in capturing symptoms in autistic people is unclear (Magnuson & Constantino, 2011).

One useful metric of diagnostic efficacy is the agreement (convergence) between self-report and reports from a knowledgeable informant (Ozsivadjian et al., 2014). A previous study found mixed results (weak to moderate correlations) in examining self- and informant-reported depression (Gotham et al., 2015); however, the relatively small sample size (n = 50) and lack of a comparison group limits these findings. It is important to evaluate discrepancies between raters to capture over- or under-reporting (Sandercock et al., 2020). The comparison of convergence and discrepancy for autistic and non-autistic young adults in a large sample will provide further evidence of the utility of self-report depression screeners in autism.

The aim of the current study was to investigate the convergence and discrepancy of selfand informant-reported depression symptoms, using the BDI-II for self-reported depression
symptoms and the Achenbach Adult Behavior Checklist (ABCL; Achenbach & Rescorla, 2003)
for informant-reported depression symptoms. We opted to use the ABCL for informant report for
several reasons. First, the BDI-II is used clinically as a self-report measure, and we intended to
only utilize measures as clinically implemented. Second, the ABCL and broader Achenbach
System of Empirically Based Assessment (ASEBA) tools are widely used as a mental health
screener in primary care settings (Lavigne et al., 2016; Simonian, 2006; Warnick et al., 2008)
and frequently used in autism research. Third, the ASEBA measures have been found to have
high sensitivity, though lower specificity, in capturing depression in autistic samples (Gotham et

al., 2015; Pandolfi et al., 2012). Finally, recent research has employed a similar design and examined associations between the ASEBA system informant report and BDI-II self-report of depression in autistic samples (Gotham et al., 2015; McCauley et al., 2020). We used an online survey to compare rates of depression in autistic versus non-autistic groups and examined convergence and divergence of self- and informant-reported symptoms.

103 Methods

98

99

100

101

102

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

Participants. Individuals with a confirmed diagnosis of autism spectrum disorder (ASD) were recruited during Fall, 2020, through the Simons Foundation Powering Autism Research (SPARK) database (SPARK, 2018). SPARK has excellent diagnostic validity (98.8%; Fombonne et al., 2022). Inclusion criteria for SPARK participants were: 18-29 years old; fluent English status; and cognitive abilities in the average range (reported FSIQ \geq 80 in the SPARK database; Feliciano et al., 2018). Of recruited autistic participants, 267 (98% of 273) completed the survey. Participants were asked to nominate an adult informant who could reflect upon their mental health; they were permitted to nominate a preferred informant other than a parent, to accommodate those who live independently and those with more distant relationships with parents or caregivers. We received 119 responses (77 parents; 31 partners or relatives; 11 family friends). Autistic participants and informants received financial compensation. There were differences between participants for whom we did versus did not receive an informant survey; those with informant reports were more likely to be female, $\chi^2(2) = 11.00$, p = .004, younger F(1,(256) = 9.43, p = .002, and to endorse fewer depression symptoms, F(1, 256) = 8.79, p = .003. Non-autistic participants were recruited from a psychology participant pool and a university listserv during Summer 2019 and Spring 2020. A total of 352 (91% of 388) completed the survey. Participants in either group with self- or parent-reported diagnoses of schizophrenia or

bipolar disorder were excluded from participation. Non-autistic participants were also asked to nominate a knowledgeable informant; we received 52 (13%) informant responses. Participants with informant reports were less likely to identify as Latinx, $\chi^2(2) = 6.12$, p = .03. Relative to the non-autistic group, the autistic participants were older, more likely to identify as White, and more likely to be male and non-cis-gender-identifying; see Table 1.

We used G-Power (Faul et al., 2007) to determine sample size. With f = .3, $\alpha = .05$, and $(1 - \beta) = .95$, a sample of n = 110 was recommended; to account for participants who did not nominate an informant, sample size was set at n = 290. The survey included the question "Honestly, how seriously did you take this survey? Your answer will not affect your payment." Response options were "*Not at all*," "*Somewhat*," and "*Seriously*." Only participants who responded "*Seriously*" (258 autistic, 297 non-autistic) were included. More autistic participants responded *Seriously*, $\chi^2(2) = 18.91$, p < .001, V = .182.

Table 1. *Participant demographics.*

	Autistic	Non-autistic	X^2/F	p	Effect size
n (Female:Male:Other)	258 (144:97:17)	255 (191:64:0)	30.3	<.001	V=.172
Age in years	25.3 (3.1) 19-30	19.4 (1.2) 18-23	6.67	<.001	d = 2.51
White Asian African American Multi-racial Not Reported	211 (82%) 4 (2%) 8 (3%) 30 (12%) 5 (2%)	141 (55%) 49 (19%) 0 (0%) 17 (7%) 16 (6%)	94.9	<.001	V = .248
Latinx Not Latinx Not reported	22 (9%) 231 (90%) 5 (2%)	33 (13%) 212 (83%) 10 (4%)	4.66	0.10	V = .067
Autism Quotient, total score	31.4 (8.0)	16.3 (4.8)	2.78	<.001	d = .28

	13-48	7-25			
Informant identity (Parent/Guardian: Other)	77:42	52:0	58.8	<.001	V = .151
BDI-II total raw score	19.1 (14.0) 0-61	12.0 (10.6) 0-53	4.13	.045	$\eta_p^2 = .01$
BDI-II z scores	0.13 (0.98)	-0.27 (0.86)	7.42	.005	$\eta_p{}^2=.02$
BDI-II scores in moderate range (20-28; NT) or Possibly or Likely Depressed Range (ASD), by gender (F, M, other)	F: 40 (27%) M: 30 (30%) Other: 6 (35%)	F: 33 (12%) M: 2 (3%) Other: N/A			
BDI-II scores in severe range (29-64; NT) or Very likely or Almost Certainly Depressed range (ASD) by gender (F, M, other)	F: 61 (42%) M: 19 (23%) Other: 7 (41%)	F: 17 (9%) M: 2 (3%) Other: N/A			
ABCL Depression <i>T</i> -score	66.1 (11.9) 50-94	54.4 (9.1) 50-90	15.05	<.001	$\eta_p^2 = .09$

Note: Data presented as M(SD); range, or as count and %. BDI-II = Beck Depression Inventory –

136 II; ABCL = Achenbach Adult Behavior Checklist. The autistic sample BDI-II z scores and

descriptive categories were obtained from the validated online scoring system from Williams et

138 al., (2020).

Measures

Self-reported depression. Participants completed the Beck Depression Inventory-II (BDI-II; Beck et al., 1996), a depression screener with excellent test-retest reliability (r = .93) (Sprinkle et al., 2002) and a high coefficient alpha ($\alpha = .92$) (Steer et al., 1998), indicating excellent internal validity in a general population sample. The BDI-II asks respondents to rate the presence of 21 symptoms of depression (autistic coefficient $\alpha = 0.95$; non-autistic, $\alpha = 0.93$) during the past two weeks using a four-point scale. Scores of 0-13 suggest "minimal" depression; 14-19 "mild", 20-28 "moderate", and 29-63 "severe." In the autistic sample, the BDI-II was

scored using the validated method from Williams et al. (2020). This method does not yield total scores and rather provides *z*-scores and screen determinations ranging from "unlikely depressed" to "almost certainly depressed." As such, *z*-scores were also computed in the non-autistic sample using BDI-II total scores to allow for group comparisons.

Informant-reported depression. Informants completed the Achenbach Adult Behavior Checklist online (ABCL; Achenbach & Rescorla, 2003). The ABCL generates T-scores; the current study examined only the DSM-Oriented Depressive Problems subdmaoin (autistic coefficient $\alpha = 0.90$; non-autistic $\alpha = 0.94$). Respondents are asked to rate items in the past 6 months on a three-point scale as "not true", "sometimes true", or "very true." T-scores of 50-64 are "typical", 65-69 are "borderline clinical", and 70-100 suggest "clinical depression."

Traits of autism. Participants completed the Adult Autism Spectrum Quotient (AQ; (Baron-Cohen et al., 2001), a 50-item questionnaire capturing autistic traits. Response choices include "definitely agree", "slightly agree", "slightly disagree", and "definitely disagree". Responses are summed (range = 0-50); 26 is considered an informative threshold for autism (Woodbury-Smith et al., 2005). We excluded non-autistic participants with $AQ \ge 26$ (n=42; 11%). Given the strong diagnostic validity of the SPARK sample (Fombonne et al., 2022), we did not include/exclude autistic participants on the basis of AQ scores.

Statistical analyses. There were no missing data. Assumptions of multicollinearity, linearity, and normality were satisfied. Bootstrapping addressed unmet assumptions of homoscedasticity and normality for BDI-II scores (Roodman et al., 2019). Analyses in SPSS and R included ANCOVAs to compare BDI-II raw and z-scores and ABCL T-scores between autistic and non-autistic groups. Partial correlations probed self and informant convergence within groups with post-hoc Fisher's z-transformations to compare groups. Age, race, and gender were

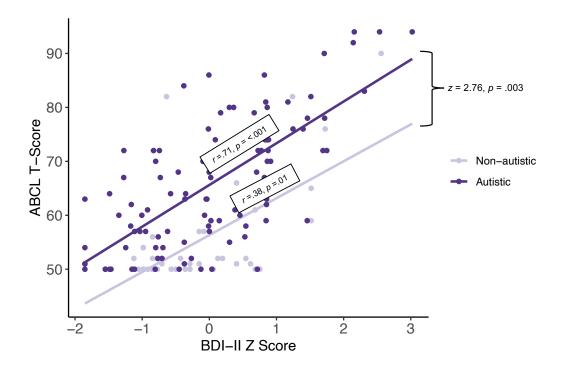
entered as covariates in between-group comparisons. Informant identity (i.e., parent versus not parent) was entered as a covariate for analyses including ABCL scores in the ASD group. In accordance with best practice recommendations for informant discrepancy analyses (De Los Reyes & Kazdin, 2004), ABCL *T*-scores were converted to *z*-scores for within-group paired-samples *t*-test comparisons with the BDI-II *z*-scores.

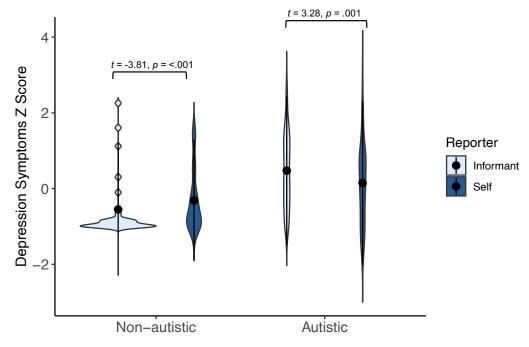
177 Results

Assessing Depression. BDI-II z-scores were elevated, with a small effect size, in autistic adults, M(SD) = 0.13 (0.98), compared to non-autistic adults, M(SD) = -0.27 (0.86), above and beyond age, gender, and race; F(1, 513) = 7.42, p = .005, $\eta_p^2 = .02$; see Table 1. Results were similar using the raw scores F(1, 513) = 4.13, p = .045, $\eta_p^2 = .01$. Similarly, ABCL scores differed by group, controlling for age, gender, race, and informant identity, with a medium effect size, F(1, 158) = 15.05, p < .001, $\eta_p^2 = .09$; average scores were higher and in the borderline clinical range for autistic adults, M(SD) = 66.1 (11.9), compared to non-autistic adults, M(SD) = 54.4 (9.1).

Self and informant convergence. Self-reported (BDI-II z) and informant-reported (ABCL T) depression symptoms were significantly correlated in *both* the autistic group, r(104) = .71, p < .001, and the non-autistic group, r(50) = .65, p = .01, controlling for age, gender, race, and (in the ASD group) informant identity; see Figure 1. A comparison of correlations found that convergence was significantly greater in the autistic group, z = 2.76, p = .003.

Figure 1. Convergence (top) and divergence (bottom) of self (BDI) and informant (ABCL) reports.





Self and informant discrepancy. Self-reported (BDI-II z-score) and informant-reported (ABCL z-score) depression symptoms were significantly discrepant in *both* autistic and non-autistic groups; Fig. 2. In the autistic group, self-reported scores were significantly *lower* than informant-reported scores, with a large effect size, t(105) = 3.28, p = .001, d = 0.79, whereas in the non-autistic group, self-reported scores were significantly *higher* than informant-reported scores, with medium effect size, t(51) = -3.81, p < .001, d = 0.49. That is, reports were discrepant in opposite directions. Exploratory analyses utilized ANCOVA to control for age, race, gender, and (for ASD group only) informant identity; non-autistic self-reported scores remained significantly higher than informant scores, with a medium effect size, F(1, 96) = 6.88, p = .01, $\eta_p^2 = .07$, whereas autistic self- and informant-report was no longer significantly discrepant, F(1, 186) = 0.425, p = .515, $\eta_p^2 = .005$.

207 Discussion

The current study examined the convergence and discrepancy between self- and informant-reported depressive symptoms in autistic and non-autistic young adults. Given the high rates of co-occurring depression (Hollocks et al., 2019), associated functional impairments (Kõlves et al., 2021; Magnuson & Constantino, 2011), and challenges with timely and accurate diagnosis (Montazeri et al., 2020; Stewart et al., 2006), optimizing the assessment of depressive symptoms in ASD is critical. We built on previous work (Cassidy et al., 2018; Gotham et al., 2015; Williams et al., 2021) reporting that the BDI-II was effective in assessing depression in autistic individuals.

Consistent with previous reports, current results suggested elevated depression in autistic individuals according to both self- and informant-report; this interpretation is supported by findings that the BDI-II (Gotham et al., 2015; Williams et al., 2021) and the ASEBA measures

(Gotham et al., 2015; Pandolfi et al., 2012) have good sensitivity in measuring depression in this population. This might reflect the social isolation and loneliness that are frequent in autism (Burrows et al., 2017; Hollocks et al., 2019), potentially exacerbated by cognitive inflexibility or a tendency to ruminate. These results highlight the need to improve our assessment of depression in autism.

Results also indicated significant convergence between the reports of participants and their informants, controlling for informant identity, with the autistic dyads being significantly more correlated. This is consistent with prior work assessing self- and informant-report convergence in a wider range of functional outcomes (e.g., daily living skills, quality of life, ASD symptoms; (Sandercock et al., 2020) and strengthens the small-to-moderate convergence demonstrated in a smaller previous study (Gotham et al., 2015). These results are particularly compelling given that self- and informant-reports utilized different measures, which would typically serve to amplify differences in results.

These results are consistent with the possibility that parents, caretakers, or other informants can provide clinically relevant information that may be an informative supplement to self-report during assessment. Of course, the current findings must be replicated; studies comparing informant-report, self-report, and, crucially, formal clinical diagnoses of depression in autistic populations will be particularly valuable in determining the accuracy of informant-report. Additionally, although informant identity was included as a predictor in analyses, future work should obtain more detailed information on the participant/informant relationships, such as living arrangements, closeness of the relationship, etc. Notably, findings suggest that speaking autistic young adults have some insight into their own depressive symptoms; their perspectives and experiences should be included in mental health evaluations to augment informant report.

An important caveat to these results is that self- and informant-report *discrepancy* was significant in both groups. Autistic individuals were more likely to report *lower* scores relative to their informants (though no longer significant after controlling for demographic factors), suggesting either reduced insight, difficulty communicating emotions (Ben Shalom et al., 2006; White et al., 2012), or inaccurate perceptions by informants (Magnuson & Constantino, 2011). These results do not reveal who is the more accurate reporter, of course, but suggest that a multi-informant approach may best capture depressive symptoms in autistic young adults, particularly in situations where sensitivity (e.g., detecting the presence of depression) is more clinically urgent than specificity (e.g., excluding cases of depression). If replicated, results suggest that clinical cutoffs on depression screeners might be lowered (i.e., improving sensitivity) for autistic adults. In this sample, non-autistic individuals reported *higher* rates of symptoms compared to their informants, likely reflecting in part that this sample comprised college students who live independently.

Limitations. This study did not include a formal clinical evaluation of depression, which limits our interpretation of the use of the BDI-II as a depression screener. A second significant limitation is the difference between informant- versus self-report measures. The BDI-II captures depression symptoms in the last two weeks, whereas the ABCL captures symptoms in the last six months. Despite recent research comparing these measures and demonstrating that they are both sensitive to depression in autistic samples, we cannot be certain that the discrepancy analyses truly reflect differences in reporter versus differences in measures. The groups differed in how many informant reports were received, and in informant identity. Although we controlled for the latter in analyses, we did not assess where adult participants lived or reported closeness with the informant, limiting our ability to estimate how knowledgeable a given informant was.

Additionally, the stronger self- and informant-report convergence found in the autistic group may be partially due to the larger sample size compared to the non-autistic group. The groups differed on gender, age, race, and informant identity (e.g., parents versus other knowledgeable adults), limiting interpretability of results. In both autistic and non-autistic groups, most participants identified as White, and given that participation required access to the internet, they were likely from well-resourced families, further limiting generalizability. Most importantly, the study included speaking individuals with age-appropriate cognitive abilities; work examining depression in non-speaking autistic individuals is urgently needed.

Conclusions. These results support previous evidence that the BDI-II can provide useful and informative information for speaking autistic young adults. Self- and informant-report agreement suggests that autistic adults have the insight to report on their depressive symptoms, however, discrepancies between raters suggest that caretaker insight may be an important addition to mental health evaluations and that autistic individuals may report lower rates of symptoms relative to their informants. Further research is needed to determine best practices for assessing depression in autism, with careful attention towards the degree of underreporting in this population.

282	References
283	Achenbach, T. M., Rescorla, L. A. (2003). Manual for the ASEBA adult forms & profiles:
284	an integrated system of multi-informant Assessment. University of Vermont, Research
285	Center for Children, Youth, & Families.
286	American Psychiatric Association. (2013). Diagnostic and statistical manual of mental
287	disorders (5th ed.).
288	Baron-Cohen, S., Wheelwright, S., Skinner, R., Martin, J., & Clubley, E. (2001). The
289	Autism-Spectrum Quotient (AQ): Evidence from Asperger Syndrome/High-
290	Functioning Autism, Males and Females, Scientists and Mathematicians. Journal of
291	Autism and Developmental Disorders, 31(1), 5–17.
292	Beck, A. T., Steer, R. A., & Brown, G. K. (1996). Manual for the beck depression
293	inventory-II. Psychological Corporation.
294	Ben Shalom, D., Mostofsky, S. H., Hazlett, R. L., Goldberg, M. C., Landa, R. J., Faran, Y.,
295	McLeod, D. R., & Hoehn-Saric, R. (2006). Normal physiological emotions but
296	differences in expression of conscious feelings in children with high-functioning
297	autism. Journal of Autism and Developmental Disorders, 36(3), 395-400.
298	Bishop, S. L., & Seltzer, M. M. (2012). Self-reported autism symptoms in adults with
299	autism spectrum disorders. Journal of Autism and Developmental Disorders, 42(11),
300	2354–2363.
301	Brody, D. J., Pratt, L. A., & Hughes, J. P. (2018). Prevalence of Depression Among Adults
302	Aged 20 and Over: United States, 2013-2016. US Department of Health and Human
303	Services, Centers for Disease Control and Prevention, National Center for Health
304	Statistics.

305	Burrows, C. A., Timpano, K. R., & Uddin, L. Q. (2017). Putative Brain Networks
306	Underlying Repetitive Negative Thinking and Comorbid Internalizing Problems in
307	Autism. Clinical Psychological Science, 5(3), 522–536.
308	Cassidy, S. A., Bradley, L., Bowen, E., Wigham, S., & Rodgers, J. (2018). Measurement
309	properties of tools used to assess depression in adults with and without autism
310	spectrum conditions: A systematic review. Autism Research, 11(5), 738-754.
311	De Los Reyes, A., & Kazdin, A. E. (2004). Measuring informant discrepancies in clinical
312	child research. Psychological Assessment, 16(3), 330-334.
313	Faul, F., Erdfelder, E., Lang, A. G., & Buchner, A. (2007). G*Power 3: A flexible statistical
314	power analysis program for the social, behavioral, and biomedical sciences. Behavior
315	Research Methods 2007 39:2, 39(2), 175–191.
316	Feliciano, P., Daniels, A. M., Green Snyder, L. A., Beaumont, A., Camba, A., Esler, A.,
317	Gulsrud, A. G., Mason, A., Gutierrez, A., Nicholson, A., Paolicelli, A. M., McKenzie,
318	A. P., Rachubinski, A. L., Stephens, A. N., Simon, A. R., Stedman, A., Shocklee, A.
319	D., Swanson, A., Finucane, B., Chung, W. K. (2018). SPARK: A US cohort of
320	50,000 families to accelerate autism research. Neuron, 97(3), 488-493.
321	Fombonne, E., Coppola, L., Mastel, S., & O'Roak, B. J. (2022). Validation of autism
322	diagnosis and clinical data in the SPARK Cohort. Journal of Autism and
323	Developmental Disorders, 52(8), 3383–3398.
324	Gotham, K., Brunwasser, S. M., & Lord, C. (2015). Depressive and anxiety symptom
325	trajectories from school age through young adulthood in samples with autism spectrum
326	disorder and developmental delay. Journal of the American Academy of Child and
327	Adolescent Psychiatry, 54(5), 369-376.e3.

328	Gotham, K., Unruh, K., & Lord, C. (2015). Depression and its measurement in verbal
329	adolescents and adults with autism spectrum disorder. Autism, 19(4), 491–504.
330	Hirvikoski, T., Boman, M., Chen, Q., D'Onofrio, B. M., Mittendorfer-Rutz, E.,
331	Lichtenstein, P., Bölte, S., & Larsson, H. (2020). Individual risk and familial liability
332	for suicide attempt and suicide in autism: A population-based study. Psychological
333	Medicine, 50(9), 1463–1474.
334	Hollocks, M. J., Lerh, J. W., Magiati, I., Meiser-Stedman, R., & Brugha, T. S. (2019).
335	Anxiety and depression in adults with autism spectrum disorder: a systematic review
336	and meta-analysis. Psychological Medicine, 49(4), 559-572.
337	Hurtig, T., Kuusikko, S., Mattila, M. L., Haapsamo, H., Ebeling, H., Jussila, K., Joskitt, L.,
338	Pauls, D., & Moilanen, I. (2009). Multi-informant reports of psychiatric symptoms
339	among high-functioning adolescents with Asperger syndrome or autism. Auism, 13(6),
340	583-598.
341	Kõlves, K., Fitzgerald, C., Nordentoft, M., Wood, S. J., & Erlangsen, A. (2021).
342	Assessment of Suicidal Behaviors Among Individuals With Autism Spectrum Disorder
343	in Denmark. JAMA Network Open, 4(1), e2033565.
344	Lavigne, J. V., Meyers, K. M., & Feldman, M. (2016). Systematic review: Classification
345	accuracy of behavioral screening measures for use in integrated primary care settings.
346	Journal of Pediatric Psychology, 41(10), 1091–1109.
347	Magnuson, K. M., & Constantino, J. N. (2011). Characterization of depression in children
348	with autism spectrum disorders. Journal of Developmental and Behavioral Pediatrics,
349	<i>32</i> (4), 332–340.

350	McCauley, J. B., Elias, R., & Lord, C. (2020). Trajectories of co-occurring psychopathology
351	symptoms in autism from late childhood to adulthood. Development and
352	Psychopathology, 32(4), 1287–1302.
353	Montazeri, F., de Bildt, A., Dekker, V., & Anderson, G. M. (2020). Network Analysis of
354	Behaviors in the Depression and Autism Realms: Inter-Relationships and Clinical
355	Implications. Journal of Autism and Developmental Disorders, 50(5), 1580–1595.
356	Moss, P., Howlin, P., Savage, S., Bolton, P., & Rutter, M. (2015). Self and informant
357	reports of mental health difficulties among adults with autism findings from a long-
358	term follow-up study. Autism, 19(7), 832-841.
359	Ozsivadjian, A., Hibberd, C., & Hollocks, M. J. (2014). Brief report: The use of self-report
360	measures in young people with autism spectrum disorder to access symptoms of
361	anxiety, depression and negative thoughts. Journal of Autism and Developmental
362	Disorders, 44(4), 969–974.
363	Pandolfi, V., Magyar, C. I., & Dill, C. A. (2012). An initial psychometric evaluation of the
364	CBCL 6-18 in a sample of youth with autism spectrum disorders. Research in Autism
365	Spectrum Disorders, 6(1), 96–108.
366	Roodman, D., Mackinnon, J. G., Nielsen, M. Ø., & Webb, M. D. (2019). Fast and wild:
367	Bootstrap inference in Stata using boottest. Econ. Queensu. Ca, 19(1), 4-60.
368	Sandercock, R. K., Lamarche, E. M., Klinger, M. R., & Klinger, L. G. (2020). Assessing the
369	convergence of self-report and informant measures for adults with autism spectrum
370	disorder. Autism, 24(8), 2256–2268.
371	Simonian, S. J. (2006). Screening and identification in pediatric primary care. Behavior
372	Modification, 30(1), 114–131.

373	Sprinkle, S. D., Lurie, D., Insko, S. L., Atkinson, G., Jones, G. L., Logan, A. R., & Bissada,
374	N. N. (2002). Criterion validity, severity cut scores, and test-retest reliability of the
375	Beck Depression Inventory-II in a university counseling center sample. Journal of
376	Counseling Psychology, 49(3), 381–385.
377	Steer, R. A., Kumar, G., Ranieri, W. F., & Beck, A. T. (1998). Use of the Beck Depression
378	Inventory-II with adolescent psychiatric outpatients. Journal of Psychopathology and
379	Behavioral Assessment, 20(2), 127–137.
380	Stewart, M. E., Barnard, L., Pearson, J., Hasan, R., & O'Brien, G. (2006). Presentation of
381	depression in autism and Asperger syndrome: A review. Autism, 10(1), 103-116.
382	Warnick, E. M., Bracken, M. B., & Kasl, S. (2008). Screening efficiency of the child
383	behavior checklist and strengths and difficulties questionnaire: A systematic review.
384	Child and Adolescent Mental Health, 13(3), 140–147.
385	White, S. W., Schry, A. R., & Maddox, B. B. (2012). Brief report: The assessment of
386	anxiety in high-functioning adolescents with autism spectrum disorder. Journal of
387	Autism and Developmental Disorders, 42(6), 1138–1145.
388	Williams, Z. J., Everaert, J., & Gotham, K. O. (2021). Measuring Depression in Autistic
389	Adults: Psychometric Validation of the Beck Depression Inventory-II. Assessment,
390	28(3), 858–876.
391	Woodbury-Smith, M. R., Robinson, J., Wheelwright, S., & Baron-Cohen, S. (2005).
392	Screening adults for Asperger Syndrome using the AQ: A preliminary study of its
393	diagnostic validity in clinical practice. Journal of Autism and Developmental
394	Disorders, 35(3), 331–335.
395	