

Outcome Measure	Penn Emotion Recognition Text (ER-40).
Sensitivity to Change	No evidence
How to obtain	Available from developers. See https://pennncnp.med.upenn.edu/request.pl
Population	Adult
Domain	Social Cognition
Type of Measure	Performance task
Time to administer	3.5 minutes
Description	<p>The Penn Emotion Recognition Test (ER-40) (Kohler et al., 2003) is a computer-based task that uses 40 colour photographs of posed facial expressions of four emotions (i.e., happiness, sadness, anger, or fear) as well as neutral. Gender, age and ethnicity are varied and balanced across each emotional category. For each emotion (8 exemplars), there are four high intensity and four low intensity expressions. Examinees view the faces consecutively and choose the correct emotion label for each face. Accuracy scores, range from 0 to 40.</p> <p>Time to administer: 3-4 minutes</p>
Properties	<p><u>Internal consistency:</u> Alpha = .56-.65-(healthy controls), .75-.81 (patients with schizophrenia) (A. E. Pinkham, Harvey, & Penn, 2018; Amy E. Pinkham, Penn, Green, & Harvey, 2016).</p> <p><u>Test-retest reliability (2-4 weeks):</u> .68- .75 (patients and controls) (A. E. Pinkham et al., 2018; Am</p> <p><u>Convergent validity:</u> The ER-40 correlates significantly with another static emotion recognition test – the BLERT (r = .59) (Amy E. Pinkham et al., 2016).</p> <p><u>Concurrent validity:</u> The ER-40 predicts functional and social outcomes in people with schizophrenia. This was not significant when neurocognitive abilities are controlled in one study (Amy E. Pinkham et al., 2016) however, if confidence ratings and reaction time are also measured, the ER-40 becomes a good predictor of functional outcomes over and beyond neurocognitive measures (A. E. Pinkham et al., 2018).</p> <p><u>Discriminant validity:</u> The ER-40 differentiates patients with schizophrenia from health controls with medium to large effect size (d = .71) (Amy E. Pinkham et al., 2016).</p> <p><u>Normative data:</u> Normative data is available from Pinkham (Amy E. Pinkham et al., 2016), N =104; age 39.2 (13.70) and (A. E. Pinkham et al., 2018), N = 154: age = 41.95 (12.42). Based on Pinkham et al (2018), M/SD for Healthy adults is M=32.94 (3.19)</p>
Advantages	<ul style="list-style-type: none"> The ER-40 is quick (3.5 minutes) and simple to administer
Disadvantages	

References

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