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Title: A Computer Self-report Assessment for Pediatric Patients: *The Assessment of Liability and EXposure to Substance use and Antisocial behavior* (ALEXSA).

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*The Assessment of Liability and EXposure to Substance use and Antisocial behavior* (ALEXSA) is useful both as a measure of children's risk for externalizing disorders and because of the computer software for creating additional measures. The ALEXSA is a cartoon-based audio computer-assisted self-interview (ACASI) with 39 subscales. It is designed to measure children's risk factors, overall risk and early manifestations of behavior problems. Even illiterate children can complete the ALEXSA. Behavioral and self-report data indicate that children enjoy completing the ALEXSA, including 9 to 12 year olds with severe AD/HD or Major Depression. The subscales can be used or omitted in any combination to fit the user's needs.

Psychometric properties of the 39 ALEXSA subscales, as well as its 9 factor scores, are good to excellent. Recently completed or ongoing ALEXSA studies include the following samples: child twins, longitudinal follow-up of babies exposed to cocaine in utero, large-scale urban school students, rural Mexican immigrant students and psychiatric inpatients. A recently-initiated clinical study using the ALEXSA involves pediatric oncology patients.

This poster will present (a) psychometric data for ALEXSA subscales and factors, (b) estimates of how well ALEXSA subscales discriminate 9-to12-year-old students from same-aged psychiatric inpatients, (c) heritability estimates for ALEXSA factors and validity estimates in 5-to-9-year-old children. Potential clinical uses of the ALEXSA will be described based on recent assessments in psychiatric, oncology and educational settings. A copy of the ALEXSA will be demonstrated using a laptop.