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Smart Technology in Autism Care: Is Rootines Usable, Useful, and Acceptable in Clinical Practice?

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ABSTRACT

Smart technologies are rapidly appearing in the healthcare landscape. In this study, we evaluate Rootines, a smartphone app offering remote patient monitoring for kids with developmental and behavioral health concerns. We're asking families served by the Norton Children's Autism Center in Louisville, Kentucky to use Rootines together with their child's clinician for two weeks. Following this, we will use surveys and interviews to probe for the usability (how well the technology can be used), usefulness (how valuable users find the technology), and acceptability (whether the technology can meet user needs) of the Rootines app. Trials in clinical settings are crucial to ensure emerging technologies are prepared to meet the needs of clinicians and families affected by autism.

KEYWORDS: smart technology, autism, usability, remote patient monitoring, smartphone apps
