

00330 **Survey of Outcome Measures Used in Child and Adolescent Music Therapy Research**

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Aims: This paper was an inquiry into outcome measures commonly used in music therapy and music psychotherapy research, and was focused on children's and teenagers' behavioural and emotional symptoms in a hospital or partial hospitalization setting.

Methodology: The literature search drew more than 281 records in OVID, EBSCO search templates. Two studies dated in the 1990s with no full-text accessible, music medicine studies which involved music listening, the use of CD recordings, ipod playlists, or other music interventions by medical or nursing professionals other than music therapists, and studies that focused on children with autism in educational settings were excluded. From the remaining 30 studies which were included, more than 40 tools with varying psychometric properties to excellent reliability and validity were identified.

Result: The range of outcome measures included heart and respiratory rates, oxygen saturation, and other physiologic parameters, as well as standardized parameters such as duration of time. Tools that were created and validated to fill a research gap included the Music Therapy Assessment Tool for Awareness in Disorders of Consciousness (MATADOC) or manualised treatment protocols e.g. Multimodal MT. The Beech Brook Group Therapy Assessment instrument concisely and reliably measures important behaviours central to the treatment of clinically complex children in a variety of group settings. Clinical implications were drawn as to the efficacy and dose-effect, for example, in two immunization-support studies, the Faces pain Scale, Observational Scale of Behavioural Distress, along with pointing task showed a threshold of up to three injections, beyond which children became overwhelmed by the pain-causing antecedent and music engagement was no longer effective.

Conclusion: Accessing and applying these outcome measures consistently and across various populations and settings in well-designed and adequately powered studies to answer basic questions about music therapy with children and adolescents will lead to pooling of data, and higher quality answers.