

POSTER: EXPLORATORY ANALYSIS OF MOTOR COMPETENCE IN SCHOOLCHILDREN

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Objective: To examine the factor structure of the motor competence (CM) construct with the skills those comprise the Test of Motor Competence (TMC), Motor Competence Assessment (MCA) batteries, and the Supine to Stand (STS) task. **Methods:** The sample consisted of 87 children (51,7% boys; mean: 9.3 years \pm 0.7). A cross-sectional and exploratory study, using the standardized values (Z-score) of each skill through exploratory factor analysis (EFA) ($p = .05$). **Results:** EFA confirmed the presence of a general construct of CM from the values presented according to the sample adequacy measure ($> .50$), and the analysis of the factors was appropriate and adequate (Kaiser-Meyer-Olkin index = .66; Bartlett's sphericity test = $p = .001$). The parallel analysis suggested that four factors were the most representative according to the commonality values presented ($> .50$), which represented 68% of the explained variance: Factor 01 (throwing the ball and kicking, both from the MCA); Factor 02 (postural righting- STS -, lateral jumping, platforms transposing and horizontal jumping – MCA); Factor 03 (placing legos in the box and building lego towers – TMC); and Factor 04 (heel-toe walking and walking/running in curves, both from the TMC). **Implications:** When considering the measurement and evaluation of CM, one must consider the different categories of movement skills present in the instruments, tests, and batteries used.