

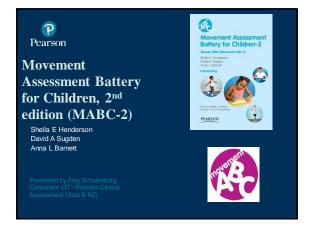


## Potential challenges in assessing motor skills

- · Time to complete assessment
- · Space to complete assessment
- · Cognitive or communication delays
- · Limited attention or challenging behaviours
- Severe motor impairment
- Performance on a standardised motor assessment might not accurately capture motor competence or deficit in functional activities

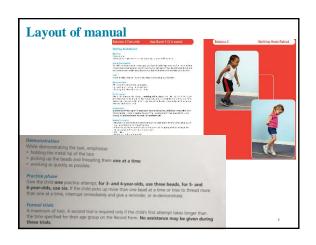


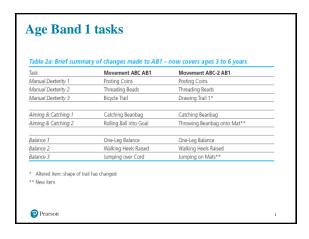


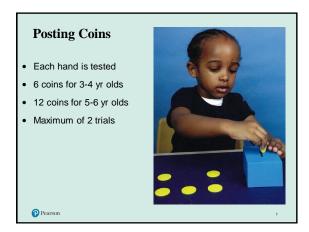




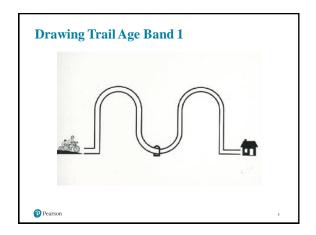


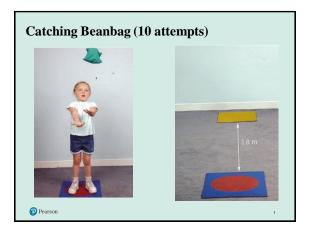






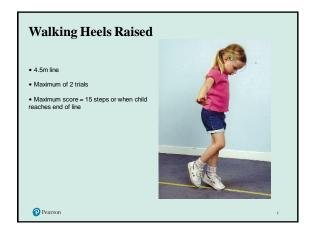


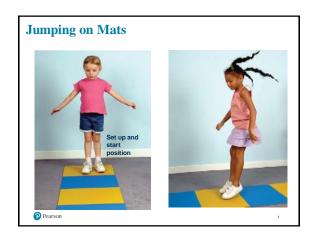


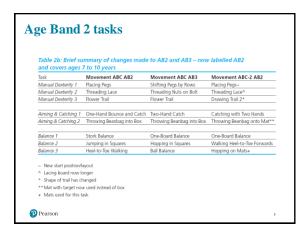


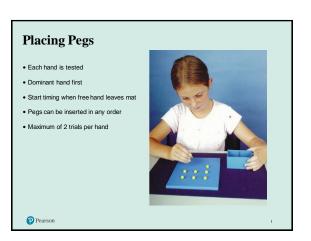


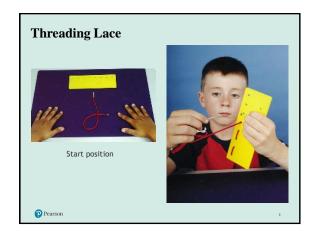




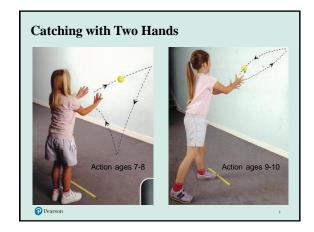




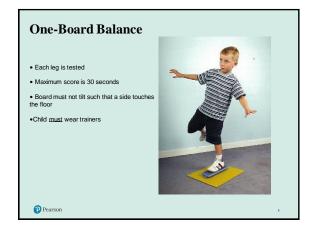






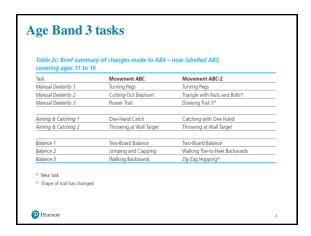


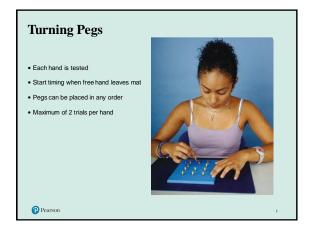


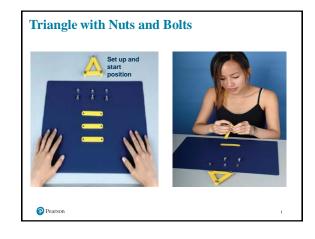


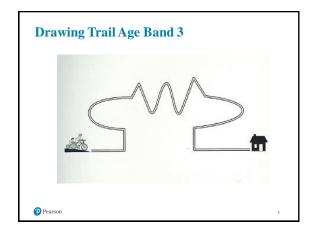






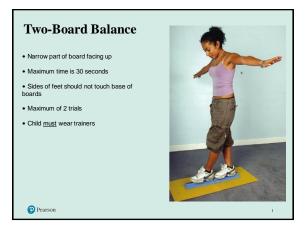


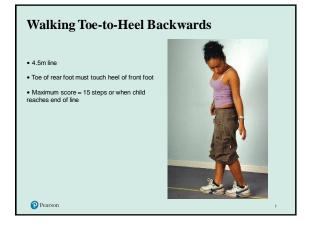


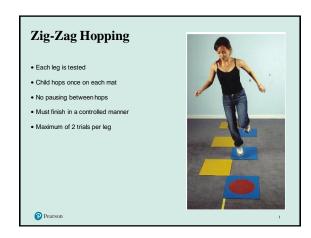


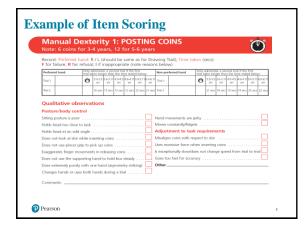


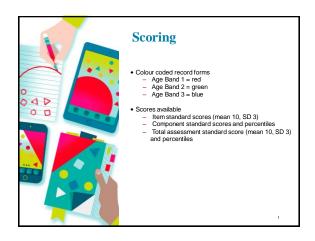


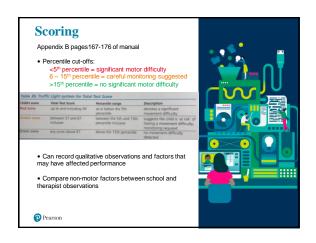


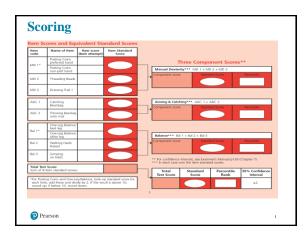


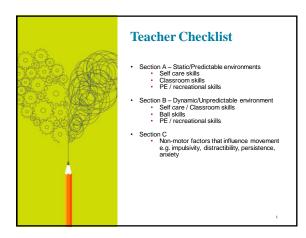


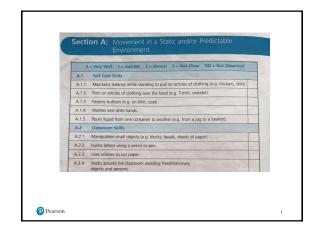




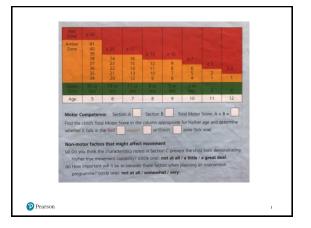


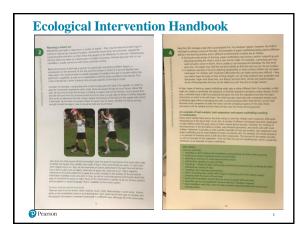


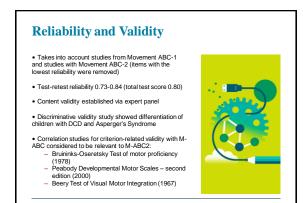


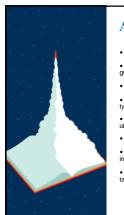












## **Advantages**

- Different tasks depending on age
- No standardised verbal instructions (bullet-point guidelines)
- Short admin time
- Teacher checklist to take into account performance in typical environment
- Observations check boxes to guide clinical observations
- Separate Intervention manual
- Contrasting colours to assist children with visual impairment
- Floor mats for reduced set up time (still some use of tane)

## **Examples of clinical use**

- Screening purposes (is there a clinically significant problem?)
- Children with receptive language issues
- Children with limited cognitive ability
- Children with poor attention
- Children who are guaranteed to fail but need a standardised score for funding
- When time is limited
- Research

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## **Potential drawbacks**

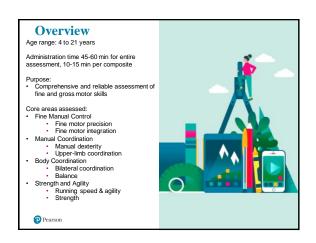
- Only 8 items per age band
- Missing common tasks e.g. cutting
- Component skill focused
- UK norms
- Requires clinical experience to assess underlying factors e.g. tone

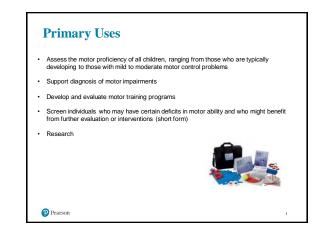
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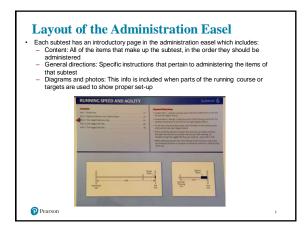
Bruininks-Oseretsky
Test of Motor
Proficiency - 2

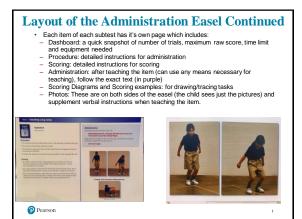
Robert H Bruininks & Brett D Bruininks Published: 2005

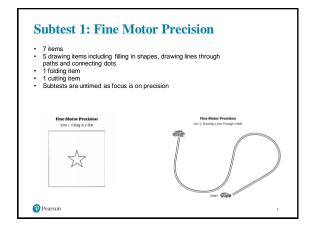


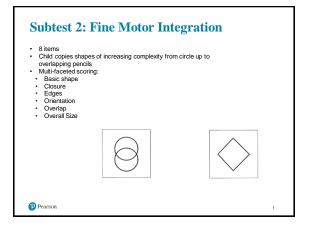






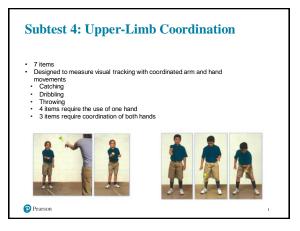


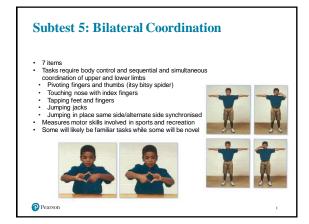


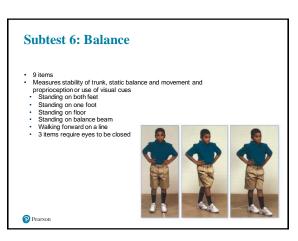


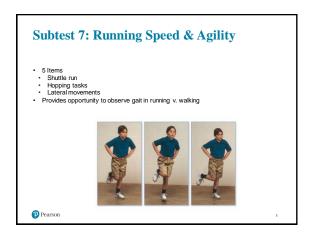
## Subtest 3: Manual Dexterity 5 items Goal-directed activities that involve reaching, grasping and bi-manual coordination with small objects. Making dots in circles Triansferring coiris Triansferring beads Sorting cards Sorting cards Pegs in a pegboard Emphasis is on accuracy but items are timed to differentiate levels of dexterity.

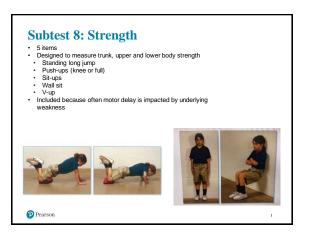
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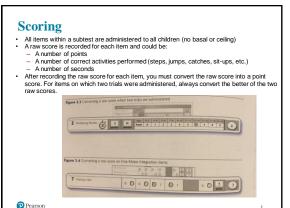


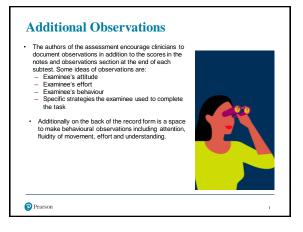


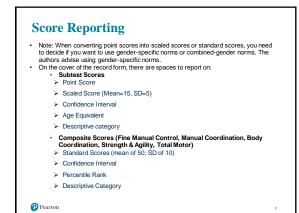


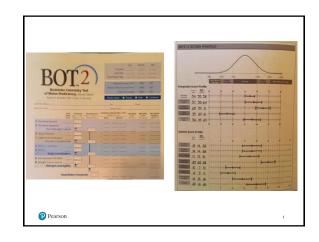


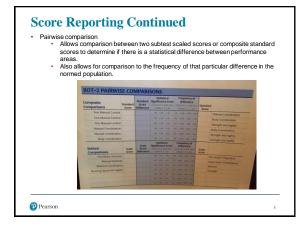




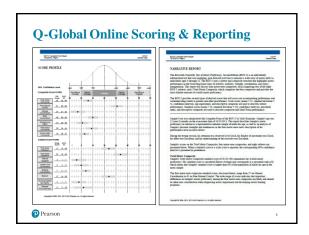


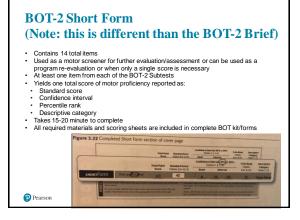




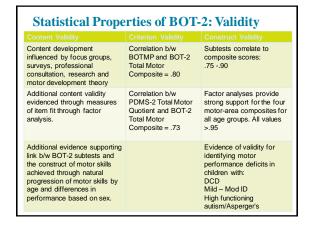


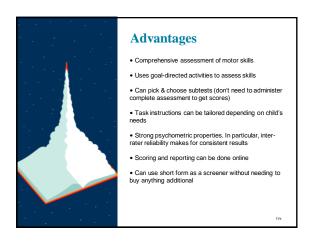


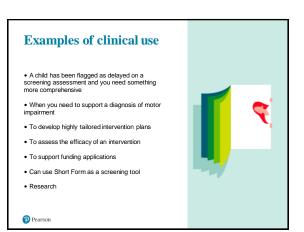


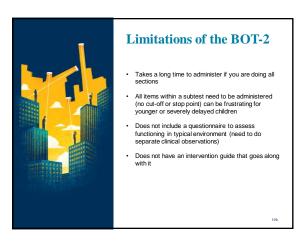


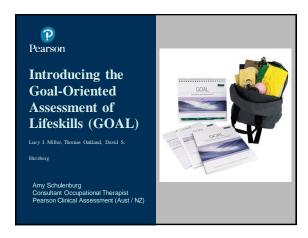
Fine manual Control	.8590	.5282	.92
Manual Coordination	.8689	.6876	.98
Body Coordination	.8789	.6583	.99
Strength & Agility	.8692	.8895	.99
Total Motor Composite	.9596	.8088	.98
Short Form	.8287	.8491	.97
		se they broke down the s did knee push-ups or	

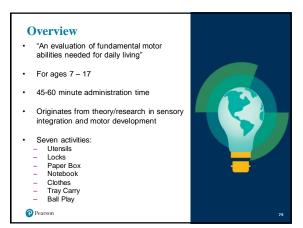


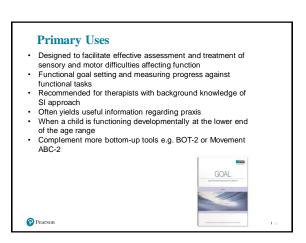


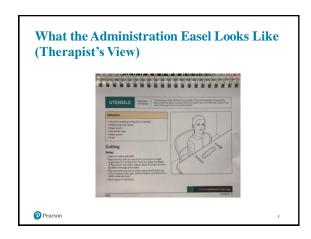






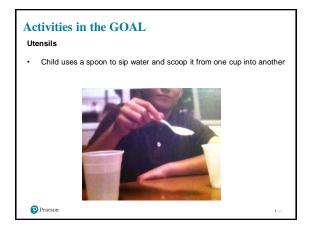






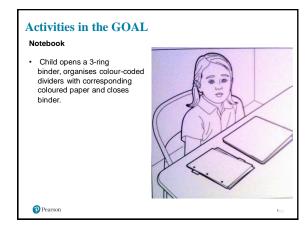


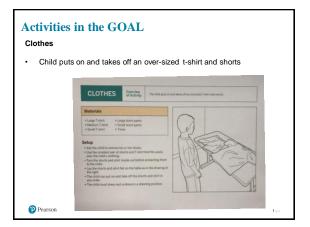


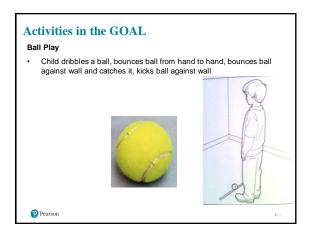


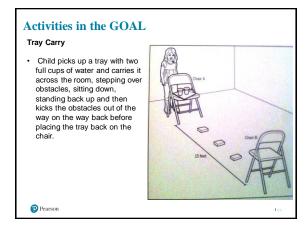


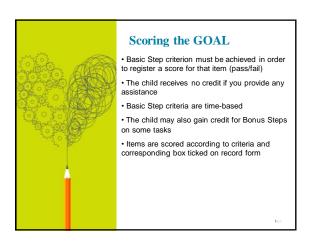




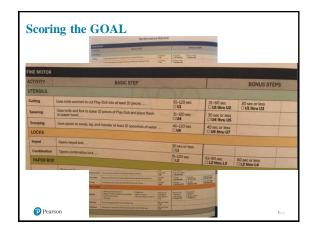


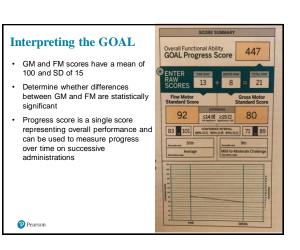


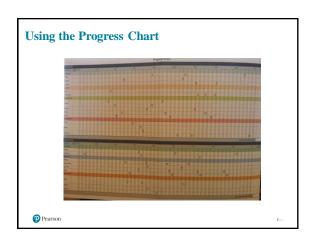


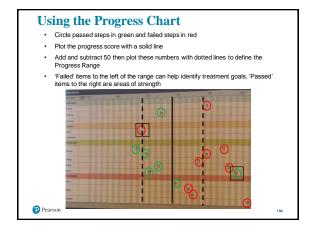




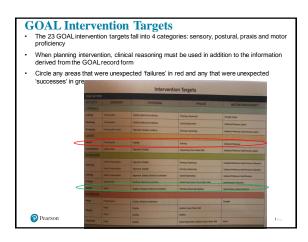


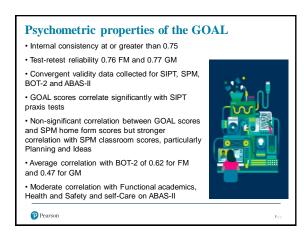


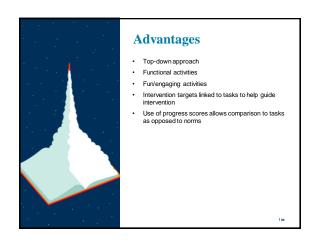




# Using the Progress Chart Progress scores are based on an age-independent scale of measurement They can be used to show progress against tasks rather than norm group so may be more meaningful for children with significant delays Changes of 39 points or more within 6 months or less are significant







## **Examples of clinical use**

- If a child is having difficulty with functional tasks such as feeding/dressing this can highlight the motor areas impacting function
- If a child has a more significant delay they may have an easier time participating in these tasks as they are familiar
- For a lower functioning child where you want to measure progress over time in relation to tasks as opposed to norms
- If you are using other SI based assessments or interventions (e.g. SIPT, SPM)

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## Limitations

- Limited scoring system (only yields standardised scores for gross motor/fine motor – no subtest or composite scores.)
- Potential ceiling effect
- · Flimsy manipulatives
- Some items are very "American"
- Intervention targets limited to SI-based approach

198



