

## Movement Assessment Battery for Children - Third Edition (MABC-3)

### Movement ABC-3 Score Report

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#### Examinee Information

ID:  
Name: Sam Test  
Sex:  
Birth date: 2017/09/12

#### Test Information

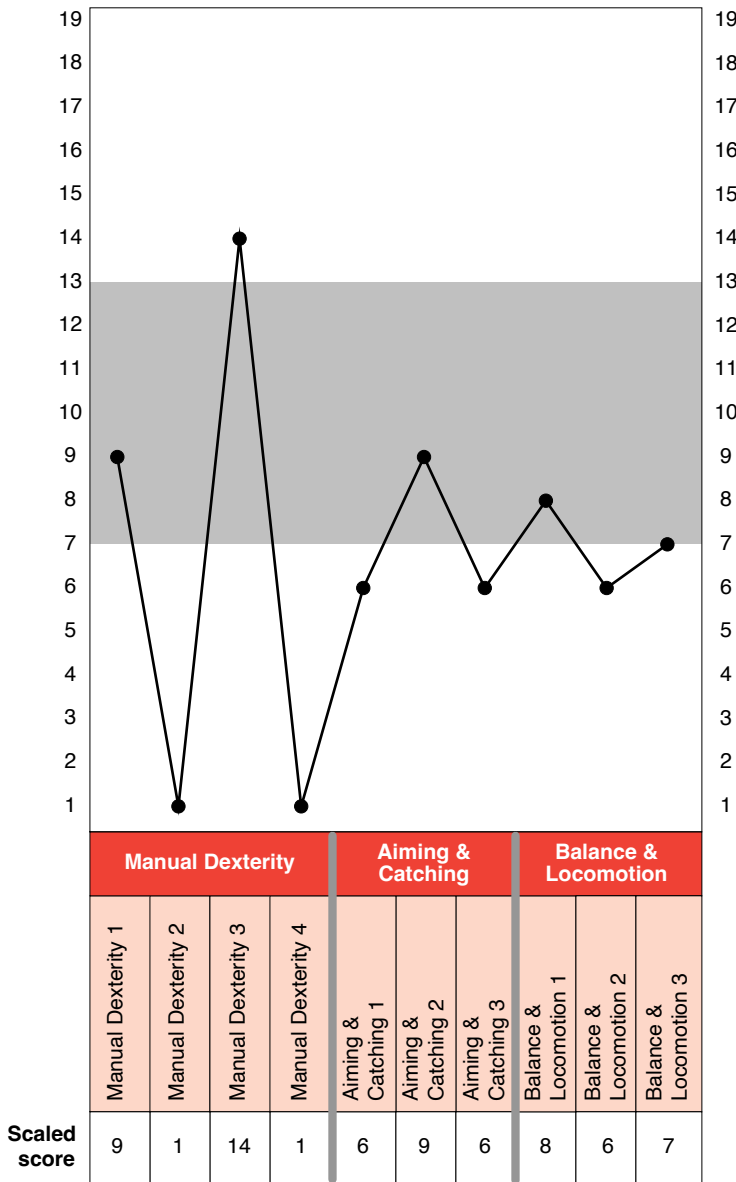
Test date: 2024/02/15  
Examiner name:  
Test age: 6:5  
Age band: 3:0-6:11

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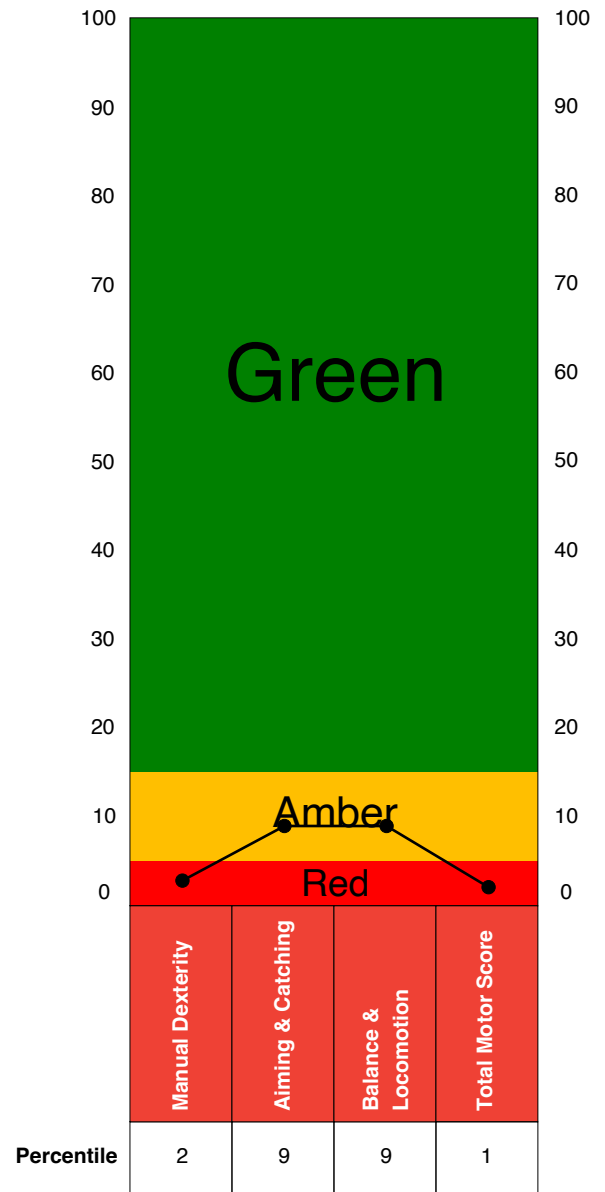
[ 1.0 / RE1 / QG1 ]

# SCORE SUMMARY PROFILE

Task Score Profile



Domain Score Profile



## Task Scaled Scores

| Task Code                       | Name of task                             | Raw Score (Best attempt) | Task Scaled Score |   |
|---------------------------------|--|--------------------------|-------------------|---|
| <b>Manual Dexterity</b>         |  |                          |                   |   |
| MD1                             | Drawing Circles <i>Incorrect Circles</i> | 4                        | 9                 |   |
| MD2                             | Posting Coins <i>Preferred hand</i>      | 44                       | 1                 | 1 |
|                                 | Posting Coins <i>Other hand</i>          | 60                       | 1                 |   |
| MD3                             | Threading Beads                          | 27                       | 14                |   |
| MD4                             | Threading Lace                           | 70                       | 1                 |   |
| <b>Aiming &amp; Catching</b>    |  |                          |                   |   |
| A&C1                            | Catching Beanbag                         | 3                        | 6                 |   |
| A&C2                            | Throwing Beanbag onto Mat                | 5                        | 9                 |   |
| A&C3                            | Bouncing and Catching with Two Hands     | 4                        | 6                 |   |
| <b>Balance &amp; Locomotion</b> |  |                          |                   |   |
| B&L1                            | One-Leg Balance <i>Best leg</i>          | 13                       | 7                 | 8 |
|                                 | One-Leg Balance <i>Other leg</i>         | 11                       | 9                 |   |
| B&L2                            | Walking Heels Raised                     | 8                        | 6                 |   |
| B&L3                            | Jumping on Mats                          | 9                        | 7                 |   |
| <b>Supplementary score</b>      |  |                          |                   |   |
| MD1                             | Drawing Circles <i>Time</i>              | 94                       | 1                 |   |

## Domain Scores

| Domain               | Sum of Scaled Scores | T Score | Percentile Rank | 90% Confidence Level |
|----------------------|----------------------|---------|-----------------|----------------------|
| Manual Dexterity     | 25                   | 30      | 2               | (21-39)              |
| Aiming & Catching    | 21                   | 37      | 9               | (28-46)              |
| Balance & Locomotion | 21                   | 36      | 9               | (27-45)              |
| Total Motor Score    | 67                   | 28      | 1               | (20-36)              |

## NARRATIVE

The Movement ABC-3 is an assessment tool that measures gross and fine motor competence in individuals aged 3 to 25 years as compared to a large sample of their same-age peers. The Movement ABC-3 uses a task and domain structure that highlights motor performance in the broad functional areas of manual dexterity, object interaction and balance/locomotion, as well as providing a total motor score that provides the most reliable measure of overall motor proficiency. Task scores have a mean of 10 and standard deviation of 3. *T* scores (mean = 50, standard deviation = 10) are used to report domain and total test results, in addition to confidence intervals, percentile ranks and traffic light zones. The red zone corresponds to a *T* score lower than or equal to the 5th percentile rank, suggestive of a significant difficulty. Amber corresponds to a *T* score greater than the 5th percentile rank but lower than or equal to the 15th percentile rank, and suggests potential difficulty that should be monitored or investigated further. Green corresponds to a *T* score greater than the 15th percentile rank, with no difficulty detected.

Sam was assessed using the Movement ABC-3 by the examiner. Sam's age was 6 years 5 months on the assessment date of 2024/02/15. This report describes Sam's overall performance, as well as showing results on each of three domains - Manual Dexterity, Aiming & Catching, and Balance & Locomotion. When a *T* score is reported, the corresponding 90% confidence interval is also presented in parentheses.

### Total Motor Score

Sam's Total Motor Score of 28 (20-36) reflects overall motor proficiency in the 'red' zone and corresponds to a percentile rank of 1. Sam's score is higher than 1 percent of the normative sample (the Average range includes percentile ranks between 16 and 84). In order to understand potential strengths and areas where monitoring or intervention may be beneficial, it is also useful to consider how Sam performed in each of the three motor-area domains: Manual Dexterity, Aiming & Catching, and Balance & Locomotion.

### Domain scores

**Manual Dexterity:** This domain measures control and coordination of the hands and fingers, especially for pencil control and precise manipulation of small objects needed for tasks such as buttoning, tying shoelaces and using eating utensils. Sam's Manual Dexterity score is 30 (21-39), which corresponds to a percentile rank of 2 and the 'red' zone.

**Aiming & Catching:** This domain measures the ability to coordinate eye and body movements to successfully throw and catch. The tasks use either a ball or beanbag and involve aiming at a target or catching with one or both hands. Sam's Aiming & Catching score is 37 (28-46), which corresponds to a percentile rank of 9 and the 'amber' zone.

**Balance & Locomotion:** This domain measures both static (still) and dynamic (moving) balance skills needed for everyday activities such as walking on uneven ground, standing on one leg to put on shoes or clothing, and using playground or recreational equipment. Sam's Balance & Locomotion score is 36 (27-45), which corresponds to a percentile rank of 9 and the 'amber' zone.

## NON-MOTOR FACTORS

The ability to perform movement tasks can sometimes be affected by other aspects of behaviour (e.g. if a person is distractible they might find it difficult to remain focused on watching for the ball during a throwing and catching game). This can affect performance on formal, standardised assessments such as the Movement ABC-3 but also may interfere with the person's ability to perform everyday tasks that require movement. During the Movement ABC-3 Test, Sam was observed by the examiner to show the following:

- Impulsive (e.g. starts before instructions are complete; impatient of detail).
- Distractible (e.g. lacks concentration; is easily distracted by irrelevant noises/visual stimuli).
- Disorganised (e.g. has difficulty planning the sequence of movements; gets confused during tasks with different components).

Sam's total non-motor raw score of 3 and cut-off score of 1 falls within the 'green' zone. It is important to consider whether the above factors are also present in other aspects of Sam's life and if so, the ways in which they may be hindering motor performance. If these behaviours are not typical for Sam then they may have been the result of Sam's reaction to being assessed or to the assessment environment, and scores should be interpreted with caution.

## QUALITATIVE OBSERVATION SUMMARY

| Manual Dexterity                              |   |                                      |                                     |                                   |                         |                                 |                                 |       |       |                      |
|---|---|--------------------------------------|-------------------------------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------|-------|-------|----------------------|
| TASK DESCRIPTION                              | Posture: sitting balance/head position  | Grip/grasp: appropriateness for task | Grip/grasp: manipulation of objects | Coordination of hands/fingers     | Consistency of hand use | Fluency                         | Adaptation to task requirements |       |       |                      |
|   |   |                                      |                                     |                                   |                         |                                 | Space                           | Time  | Force | Planning of sequence |
| MD1. Unimanual task/accuracy                  |   |                                      | X                                   |                                   |                         | X                               | X                               |       | X     |                      |
| MD2. Unimanual task/speed                     |   |                                      |                                     | X                                 |                         | X                               |                                 | X     |       |                      |
| MD3. Bimanual task/speed                      |   |                                      | X                                   |                                   |                         | X                               | X                               |       |       |                      |
| MD4. Bimanual task with planning/speed        |   | X                                    |                                     | X                                 |                         | X                               | X                               |       |       | X                    |
| Aiming & Catching                             |   |                                      |                                     |                                   |                         |                                 |                                 |       |       |                      |
| TASK DESCRIPTION                              | Posture: standing balance/head position | Grip/grasp: appropriateness for task | Eye focus/tracking                  | Coordination of arms/hands        | Consistency of hand use | Fluency                         | Adaptation to task requirements |       |       |                      |
|   |   |                                      |                                     |                                   |                         |                                 | Space                           | Space | Time  | Force                |
| A&C1. Reception of a moving object            |   |                                      | X                                   | X                                 |                         | X                               |                                 |       | X     |                      |
| A&C2. Aiming at a target                      |   |                                      |                                     |                                   |                         | X                               |                                 |       |       |                      |
| A&C3. Projection & reception of moving object |   |                                      |                                     | X                                 |                         | X                               |                                 |       | X     |                      |
| Balance & Locomotion                          |   |                                      |                                     |                                   |                         |                                 |                                 |       |       |                      |
| TASK DESCRIPTION                              | Posture: standing balance/head position | Postural control                     | Control of lower limbs              | Coordination of upper/lower limbs | Fluency                 | Adaptation to task requirements |                                 |       |       |                      |
|   |   |                                      |                                     |                                   |                         | Space                           | Time                            | Force |       |                      |
| B&L1. Static balance                          |   | X                                    | X                                   |                                   |                         |                                 |                                 |       |       |                      |
| B&L2. Dynamic balance/slow accurate movement  |   |                                      | X                                   |                                   |                         | X                               |                                 |       |       |                      |
| B&L3. Dynamic balance/fast explosive movement |   |                                      | X                                   |                                   |                         |                                 |                                 |       |       |                      |

## COMMENTS

No task level comments were entered for this administration.

## End of Report