

Table 1A. Characteristics of the included measurement tools for motor imagery

| Tool | Original language | Available translations | Construct(s) | Test format | Mode of administration | Scale/ Subscales (SS) | No. of items | Scoring | Equipment | Time needed (Min.) | Comments |
|--|-------------------|---|--|---|------------------------|---|---|--|---|--------------------|--|
| Florida Praxis Imagery Questionnaire (FPIQ) | English | German | Explicit movement imagery | questionnaire | self-report | 4 SS, kinaesthetic, position, action and object | 48 (12 for each subscale) | each question has two possible responses | questionnaire | NR | - |
| Imaprax | English French | German | Motor imagery vividness | Computer and video-based assessment + questionnaire | examiner-administered | visual | 6 complex unilateral and bilateral UL gestures or ADL's | 7-point scale | Imaprax software, Laptop, chair, questionnaire | 20-25 | - |
| Kinaesthetic and Visual Imagery Questionnaire (KVIQ-20) | English | German Brazilian Portuguese Japanese | Vividness kinaesthetic and visual motor imagery | questionnaire | examiner-administered | 2 SS, kinaesthetic and visual | 20 | 5-point scale | Questionnaire, one chair with backrest for participant and one chair for the examiner | 20-30 | Russian, Spanish, Chinese versions of the KVIQ also exist, but no validation studies were available. |
| Kinaesthetic and Visual Imagery Questionnaire (KVIQ-10) | English | German Japanese French | Vividness kinaesthetic and visual motor imagery | questionnaire | examiner-administered | 2 SS, kinaesthetic and visual | 10 | 5-point scale | Questionnaire, one chair with backrest for participant and one chair for the examiner | 15-20 | |
| Movement Imagery Questionnaire (MIQ) | English | - | Vividness kinaesthetic and visual motor imagery | questionnaire | self-report | 2 SS, kinaesthetic and visual | 18 | 7-point scale | Questionnaire, calm room, one chair | NR | - |
| Revised Movement Imagery Questionnaire (MIQ-R) | English | - | Vividness kinaesthetic and visual motor imagery | questionnaire | self-report | 2 SS, kinaesthetic and visual | 8 | 7-point scale | Questionnaire, calm room, one chair | 10-15 | - |
| Movement Imagery Questionnaire-Revised second version (MIQ-RS) | English | French | Vividness kinaesthetic and visual motor imagery | questionnaire | self-report | 2 SS, kinaesthetic and visual | 14 | 7-point scale | Questionnaire, calm room, one chair | 20-25 | - |
| Movement Imagery Questionnaire-3 (MIQ-3) | English | Slovene Polish French Spanish Turkish | Vividness of external + internal visual and kinaesthetic motor imagery | questionnaire | self-report | 3 SS, external visual, internal visual and kinaesthetic imagery | 12 | 7-point scale | Questionnaire, calm room | 20-30 | - |
| Movement Imagery Questionnaire for Children (MIQ-C) | English | - | Vividness of external + internal visual and kinaesthetic motor imagery | questionnaire | self-report | 3 SS, external visual, internal visual and kinaesthetic imagery | 12 | 7-point scale | Questionnaire, calm room | 30 | - |

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| Test of Ability in Movement Imagery (TAMI) | English | - | Ability to imagine a series of movement imagery | questionnaire | self-report | No SS | 10 questions | Only correct answers will be scored 0-10 | Questionnaire, calm room | 10 | TAMI-weighted (TAMIw): new scoring method was introduced. More difficult questions were weighted more heavily than relatively easier questions. TAMIw Max. Score is 24. |
| Test of Ability in Movement Imagery with Hands (TAMI-H) | English | - | Ability to imagine hand movements | questionnaire | self-report | 2 SS, Functionally-involved movement and Isolated movement | 44 questions | Only correct answers in a multiple-choice format will be scored | Questionnaire, calm room, one chair | NR | The questionnaire was divided into 4 booklets: 2 tested the imagined movements of the right hand and the other 2 tested imagined movements of the left hand. |
| Vividness of Movement Imagery Questionnaire (VMIQ) | English | - | Vividness kinaesthetic and visual movement imagery | questionnaire | self-report | 2 SS, kinaesthetic and visual | 24 | 5-point scale | Questionnaire, calm room | NR | - |
| Vividness of Haptic Movement Imagery Questionnaire (VHMIQ) | English | - | Vividness of haptic visual imagery | questionnaire | self-report | Only visual imagery | 24 | 5-point scale | Questionnaire, calm room | NR | Campos et al. 1998 provided an English version of VHMIQ as Appendix. But it is not clear whether a Spanish version is also available. |
| Revised Vividness of Movement Imagery Questionnaire-2 (VMIQ-2) | English | German | Vividness kinaesthetic and visual movement imagery | questionnaire | self-report | 3 SS, external, internal, kinaesthetic | 12 | 5-point scale | Questionnaire, calm room | NR | - |
| Wheelchair Imagery Ability Questionnaire (WIAQ) | English | - | Imagery ability by athletes with a disability | questionnaire | self-report | 3 SS, external, internal, kinaesthetic | 24 | 5-point scale | Questionnaire, calm room | NR | - |
| Abbreviations: Min.=minutes; NR=not reported; UL=upper limb; ADL=activities of daily living; external=external perspective subscale; internal=internal perspective subscale; Functionally-involved movement=imagery of hand movements interacting with objects; Isolated movement=imagery of hand movements in the absence of objects; | | | | | | | | | | | |