**ICC comparison with other methods**

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| Author / date | Type of sensory assessment | Type of method | Num. Trials | ICC [95% CI]† |
| Current method | Static Lower limb proprioception | Adaptive (Psi) | 75 | 0.80 [0.48, 0.93] (PSE)  0.61 [0.05, 0.85] (Uncertainty) |
| Schilling et al., 2017 | Visual contrast sensitivity | Adaptive (Psi) | 50 | 0.88 – 0.96 (PSE)\*  Uncertainty not reported |
| Silva et al., 2020 | Facial detection | Adaptive (Psi) | 48 | 0.14 [-0.39 0.49] (PSE)  Uncertainty not reported |
| Nicholson et al., 1997 | Stiffness detection | Method of Constants | 98 | PSE not reported  0.77 [0.52 0.90] (Uncertainty) |
| Antcliff et al., 2021 | Ankle joint proprioception | Active joint position matching accuracy | 50 | 0.65 [0.49 0.78] (Matching Error‡)  Uncertainty not reported |
| Arvin et al., 2015 | Knee and hip proprioception | Active joint position matching accuracy | 4 each joint / limb | 0.75 – 0.93 (Matching Error)  0.06 – 0.73 (Variable error) |
| Deshpande et al., 2003 | Ankle joint proprioception | Active joint position matching accuracy | 3 | 0.83 (Matching Error)  Uncertainty not reported |
| Gorst et al., 2020 | Ankle joint and step height proprioception | Adaptive staircase method | 4 reversals | 0.89 – 0.95 (PSE)  Uncertainty not reported |
| Rinderknecht et al., 2018 | Finger proprioception | PEST adaptive algorithm | <60 | 0.16 – 0.73 (PSE)  Uncertainty not reported |
| Juul-Kristensen et al., 2008 | Elbow proprioception | Active joint position matching accuracy | 9 | 0.59 [0.27 0.79] (Matching Error)  0.01 [-0.38 0.39] (Variable Error) |
| Rahlf et al., 2019 | Knee proprioception | Active joint position matching accuracy | 10 / target | 0.42 – 0.63 (Matching Error)  0.25 – 0.40 (Variable Error) |
| Strong et al., 2021 | Knee joint proprioception | Active joint position matching accuracy | 5 / target | 0.56 – 0.91 (Matching Error)  0.0 – 0.65 (Variable Error) |

\* In this study, participants were provided with feedback on correct/incorrect trials.

† Some studies provide multiple measurements (e.g., at different joints or in different positions). In these cases, we provided the range of ICCs reported in the study.

‡ Matching error is the difference between the actual angle and the angle the participant reproduces during the test. It is a measure of proprioceptive accuracy.