After a literature review, the recommended MCID (Minimal Clinically Important Difference) for the KOOS JR to be used at AAH is 14.

The criteria for making this recommendation are:

1. That the MCID reflects the patient population seen at Advocate Health Care, specifically patients undergoing total knee arthroplasty.
2. That the MCID be greater than the MDC (Minimal Detectable Change).
3. That the MCID be calculated with an anchor-based method (gold standard).

Multiple articles presented a range for MCID recommendation. Our strongest reference comes from Lyman et al. 2018 who also developed the instrument. The study included 2630 patients who underwent total knee arthropathy. Based on the findings, Lyman et al. determined 14 points as the MCID.

Kuo et al. 2020 included 858 patients undergoing total joint replacement and suggested a range of 14-20.8 for MCID.

Hung et al. 2018 had 2226 patients with OA and joint reconstruction and determined anchor based MCID for KOOS JR 15.1.

Therefore, as two of the studies recommend a MCID of 14 for patient population undergoing total knee arthroplasty. It is our recommendations that Advocate Health Care utilize the MICD of 14 for the KOOS JR to accurately evaluate patients receiving total hip arthroplasty.
References:

