## Hip disability and Osteoarthritis Outcome Score (HOOS)  
**Patient Reported Measure**

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<th>Considerations</th>
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<td><strong>Which type of TJA is it appropriate for?</strong></td>
<td>THA</td>
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| **What part of the TJA continuum is it appropriate for?** | Pre-op  
Post-acute  
Active Living |
| **What domain(s) does it measure within the ICF?** | Body function, Activity |
| **Who completes it?** | Patient |
| **What does it measure?** | 40-item tool that assesses pain, symptoms, function in daily living (ADL), function in sport and recreation (Sport/Rec) and quality of life (QoL) over the past week.¹²,⁵ |
| **What equipment is required?** | Paper version: paper copy of HOOS, pen  
Electronic version: computer with internet access |
| **How long does it take?** | ~15-20 mins to complete and score⁵ |
| **How do I do it?** | Instructions available at: [www.koos.nu](http://www.koos.nu) |
| **How good is it?** |  
***Validity***: Construct - good with SF-36, Oxford Hip Score, pain VAS.³,⁵  
***Reliability***: Test-retest - good to excellent¹,⁵  
***Responsiveness***: Able to detect small changes in hip OA in different age groups and more responsive than WOMAC pain and stiffness³  
***Floor/ceiling effects***: Floor effects more common in Sport/Rec subscale and ceiling effects in pain subscale reported 6 months after THA³,⁵ |
| **How is it scored?** | Paper version: A spreadsheet for scoring is available at [www.koos.nu](http://www.koos.nu)  
Items scored from 0 to 4. Scores are summarized for each subscale and transformed to 0-100 scale.⁵  
*A total score is not recommended.*¹  
Electronic version can be scored at: [www.orthopaedicscore.com/scorepages/hip_disability_osteoarthritis_outcome_score_hoos.html](http://www.orthopaedicscore.com/scorepages/hip_disability_osteoarthritis_outcome_score_hoos.html) |
| **What do the results mean?** | Higher score = better. Score of 100 in each subscale = no hip-related problems; 0 = extreme problems¹  
Minimal clinically important improvement (MCII) 1 year after THA is 24 for pain subscale and 17 for QoL subscale; however, MCII values are higher when other calculation methods are used.⁶  
No MDC or MCID values or norms available for TJA population, hip or knee OA or community dwelling older adults.⁴ |
| **Where can I get it?** | Paper version available at: [www.koos.nu](http://www.koos.nu)  
Multiple language versions available. A 5-item short version is available (HOOS-PS)¹ |
References
1. Website with users guide: www.koos.nu/