









Acta Orthopaedica 2025; 96: 226-234

226

Identifying recovery trajectories following primary total shoulder arthroplasty: a cohort study of 3,358 patients from the Dutch Arthroplasty Register



Mirthe H W VAN VEGHEL¹, Liza N VAN STEENBERGEN², Cornelis P J VISSER³, B Willem SCHREURS 1,2, and Gerjon HANNINK 4

Background and purpose — Some patients do not improve after total shoulder arthroplasty (TSA), indicating different recovery trajectories. We aimed to identify recovery trajectories after TSA based on the Oxford Shoulder

Conclusion — 3 recovery trajectories were identified following TSA, which we labelled as "Fast responders," "Steady responders," and "Poor responders." "Steady responders" and "Poor responders" were more likely to have higher ASA

¹ Department of Orthopaedics, Radboud University Medical Center, Nijmegen; ² Dutch Arthroplasty Register (Landelijke Registratie Orthopedische Interventies), 's-Hertogenbosch; ³ Department of Orthopaedic Surgery, Alrijne Hospital, Leiderdorp; ⁴ Department of Medical Imaging, Radboud University Medical Center, Nijmegen, the Netherlands Correspondence: Mirthe.vanVeghel@radboudumc.nl Submitted 2024-11-21. Accepted 2025-02-01.