AOANJRR | **2021 ANNUAL REPORT**

This **summary** provides a brief overview of the major findings from the 2021 Annual Report. AOANJRR website https://aoanjrr.sahmri.com/annual-reports-2021

* Reverse shoulder replacement is the most common type of total shoulder replacement, 66%.
* Stemmed total shoulders have a higher rate of revision than reversed and hemiarthroplasties. The outcome is mainly influenced by cement fixation of the glenoid and the use of XLPE.
* Increased overall rate of revision in younger age, male gender and higher ASA scores.
* This year, 1 total stemmed shoulder and 1 reverse total shoulder prosthesis have been newly identified as prostheses with higher than anticipated rates of revision.
* For the first time, pre- operative and 6 months post-operative patient reported outcomes for primary reverse total shoulder replacement are reported.

Summary data on these procedures are provided in the Annual Report and a full analysis is provided in the Partial Shoulder Arthroplasty Supplementary Report.

**Publications:**

[**Effect of glenosphere size on reverse shoulder arthroplasty revision rate: an analysis from the Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR).**](https://pubmed.ncbi.nlm.nih.gov/34968690/) Page R, Beazley J, Graves S, Rainbird S, Peng Y. J Shoulder Elbow Surg. 2021 Dec 27:S1058-2746(21)00861-2.

[**A Comparison of Revision Rates for Osteoarthritis of Primary Reverse Total Shoulder Arthroplasty to Primary Anatomic Shoulder Arthroplasty with a Cemented All-polyethylene Glenoid: Analysis from the Australian Orthopaedic Association National Joint Replacement Registry.**](https://pubmed.ncbi.nlm.nih.gov/34180871/) Gill DRJ, Page BMedSci RS, Graves SE, Rainbird S, Hatton A. Clin Orthop Relat Res. 2021 Oct 1;479(10):2216-2224.

**Reverse Shoulder Arthroplasty for the treatment of Proximal humeral fractures in the Elderly (ReShAPE trial) : study protocol for a multicentre combined randomised controlled and observational trial.** Smith et al. Trials (2017) 18:91.