

Part 2: Evidence and References

[\(Policy Part 1\)](#) Primary Hip Replacement Surgery

Surgical Threshold Policy

Rational and Evidence

NICE TA304¹ states that “Prostheses for total hip replacement and resurfacing arthroplasty are recommended as treatment options for people with end-stage arthritis of the hip only if the prostheses have rates (or projected rates) of revision of 5% or less at 10 years”. For hip resurfacing, data from research studies^{2,3} and the National Joint Registry⁴ indicate that 10-year revision rates are currently much higher than this (~11%). Nevertheless, hip resurfacing may be considered via the exceptional route. Male patients are likely to be considered more favourably due to lower revision rates. Morbidly obese patients have been shown to have a 65.5% increase in revision rates for THR compared with patients with normal BMI (18.5–25)⁵ and weight loss should be encouraged to improve outcome.

Number of People Affected

Rates of primary hip replacement have increased worldwide. In a UK 2004 study⁶, rates in England were shown to have increased by 18% from 1991 to 2000 to 38,425 procedures per year (77.6 per 100,000). In 2017, it was estimated that 80,000 procedures are conducted in England and Wales each year⁷.

References

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2. Marshall D A, et al. Hip Resurfacing versus Total Hip Arthroplasty: A Systematic Review Comparing Standardized Outcomes. Clin. Orthop. Relat. Res. 472, 2217–2230 (2014).
3. Pailhé R, et al. Hip resurfacing: a systematic review of literature. Int. Orthop. 36, 2399–2410 (2012).
4. National Joint Registry for England, Wales and Northern Ireland. 16th Annual report 2019.
5. Culliford D, Maskell J, et al. A population-based survival analysis describing the association of BMI on time to revision for total hip and knee replacement: results from the UK GPRD. BMJ open 2013.
6. Dixon, T, Shaw, M, Ebrahim, S & Dieppe P. Trends in hip and knee joint replacement: socioeconomic inequalities and projections of need. Ann. Rheum. Dis. 63, 825–830 (2004).
7. National Joint Registry. (2017). Available at: <http://www.njrcentre.org.uk/njrcentre/Patients/Jointreplacementstatistics/tabid/99/Default.aspx..>

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Reference:	<i>onedrive\CPF Pols & Working Area\Surgical Threshold Pols\CCG Policies\Primary Hip Replacement\Agreed\PRIMARY HIP REPLACEMENT NOV 2020 V8 – EVIDENCE PART 2</i>