

The following content was supplied by the authors as supporting material and has not been copy-edited or verified by JBJS.

Appendix 1 - List of CPT Codes

Procedure Abbreviation	CPT Code	Procedure Description
PRC	25215	Carpectomy of all proximal row bones
FCA	25820	Intercarpal fusion of the wrist
	25825	Intercarpal fusion of the wrist with autograft bone
TWA	25800	Fusion of entire wrist joint
	25805	Fusion of wrist joint with bone graft from wrist
ROH	20680	Removal of deep implant
	20670	Removal of superficial implant
I&D	25100	Arthrotomy of wrist joint with biopsy
	25101	Arthrotomy of wrist joint with joint exploration
	25105	Arthrotomy of wrist joint with synovectomy
	25028	Incision and drainage of abscess/hematoma at forearm and/or wrist
Anesthesia	01840	Anesthesia for procedure on arteries of forearm, wrist, and hand

Appendix 2 – Description of methods for sensitivity analysis

Point estimates for each input parameter value were used in the base case analysis. To determine model robustness for index surgery utilities, we performed one-way threshold to identify the utility value for which the **incremental cost-effectiveness ratio (ICER)** exceeded the willingness-to-pay threshold of \$100,000/QALY. Probabilistic sensitivity analysis (PSA) was also performed to assess the impact of uncertainty in all input parameters simultaneously using 1,000,000 (1,000 trials of 1,000 hypothetical patients each) simulated patients. In PSA trial, parameter values were based on random draws from a distribution. Transition probabilities were assumed to follow a beta distribution, while cost estimates were assumed to follow a gamma distribution.¹

References

1. Briggs A. Probabilistic analysis of cost-effectiveness models: Statistical representation of parameter uncertainty. *Value Health*. 2005;8(1):1-2.