



## **Appendix 1**

**This appendix was part of the submitted manuscript and has been peer reviewed.  
It is posted as supplied by the authors.**

Appendix to: Naylor JM, Hart A, Mittal R, et al. The value of inpatient rehabilitation after uncomplicated knee arthroplasty: a propensity score analysis. *Med J Aust* 2017; 207: 250-255. doi: 10.5694/mja16.01362.

## **Appendix 1**

### ***Unit costs used and justification for use for the different therapy types***

For the cost of inpatient rehabilitation, we conservatively used a figure of \$700 per overnight stay based on 2015 reimbursement figures provided to us by two major private health insurers. This contrasts with the figure quoted in the Australian Public Hospital Cost Report 2013<sup>1</sup> [Table 55, pg 120] of \$967.29/per night (cost not specific to arthroplasty admissions). We applied the private cost to both private and public admissions. For the individual patient, total cost of an inpatient rehabilitation stay was the daily cost multiplied by the length of stay.

For the cost of day program visits, we used the Australian Public Hospital Cost Report 2013 for non-admitted rehabilitation carried out in a day hospital service (clinic code 40.12)<sup>1</sup>[pg 112]. A day visit, with care predominantly provided by Allied Health, is charged at \$255.15. This estimate was not specific to arthroplasty patients and the same cost was applied for public and private encounters regardless of State. As a measure of face validity, we approached three Day Hospital providers in NSW and obtained daily quotes. These ranged from \$275 to \$300 per day.

For the cost of public and private physiotherapy outpatient or clinic visits, we used the COMCARE rates 2015 of \$74.90 for a standard consultation and visit per occasion.<sup>2</sup> We applied the same cost regardless of whether the treatment was provided in a group or one-to-one setting or water or land-based and applied the same rate for initial and subsequent consultations. For face validity, we compared this cost to that charged by 5 physiotherapy practices in NSW (August 2015 - for a standard visit (\$68-\$90; initial \$80-\$95). We note that the Cost of Care Standard 2009/10 for NSW Health cites a cost of \$118 (\$130.34 2015) per visit.<sup>3</sup>

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For the cost of domiciliary visits, we used the COMCARE 2015 rate for a standard home visit - consultation and treatment of \$87.10 per visit.<sup>2</sup>

### *References*

1. Independent Hospital Pricing Authority. National Hospital Cost Data Collection Australian Public Hospitals Cost Report 2012-2013, Round 17. 2013: Australia.
2. Australian Government COMCARE. Allied Health Rates - Physiotherapy - NSW - January 2015. 2015 [cited 2015 9/10]; Available from: [http://www.comcare.gov.au/claims\\_and\\_benefits/benefits\\_and\\_entitlements/rates\\_and\\_reimbursements/allied\\_health\\_rates#pnsw](http://www.comcare.gov.au/claims_and_benefits/benefits_and_entitlements/rates_and_reimbursements/allied_health_rates#pnsw).
3. NSW Health. Costs of Care Standard 2009/10, M.o. Health, Editor. 2011.