



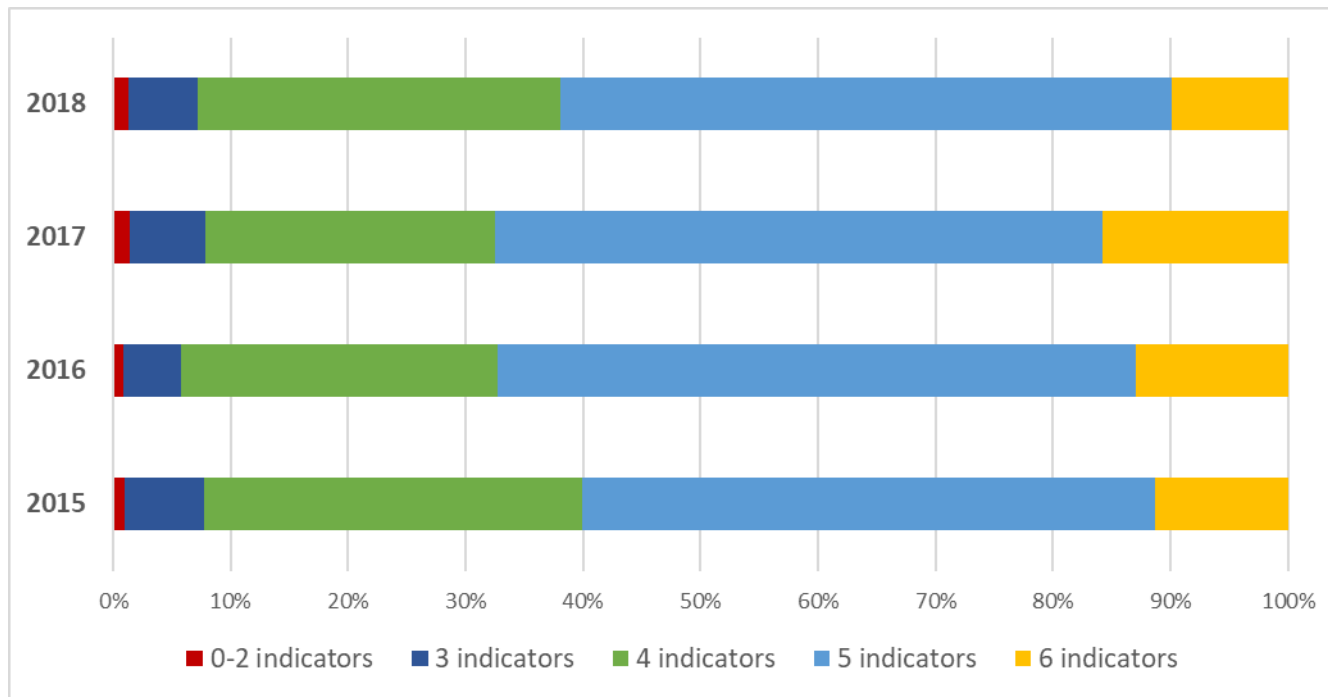
Supporting Information

Supplementary results

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

Appendix to: Harvey L, Taylor ME, Harris IA, et al. Adherence to clinical care standards and mortality after hip fracture surgery in New South Wales, 2015–2018: a retrospective population-based study. *Med J Aust* 2024; doi: 10.5694/mja2.52470.

Figure 1. Number of clinical quality acute care indicators attained for fractures in 7951 people aged 50 years or older who underwent surgery after a hip fracture, New South Wales, 2015–2018 (complete case analysis), by year*



* Total number of fractures: 2015, 1077; 2016, 1905; 2017, 2327; 2018, 2642.

Table 1. Sensitivity analysis: Adherence to ACSQHC hip fracture clinical care standard indicators and mortality risk, overall and by indicator, for 9236 hip fractures in people aged 50 years or older who underwent surgery after hip fractures, New South Wales, 2015–2018 (complete cohort analysis): multivariable Poisson regression analyses*

Indicators		Adjusted relative risk (95% confidence interval)		
		30-day mortality [†]	120-day mortality [‡]	365-day mortality [§]
3a	Orthogeriatric (or alternative physician or medical practitioner) management	0.52 (0.38, 0.73)	0.70 (0.56, 0.87)	0.82 (0.66, 1.02)
4a	Surgery within 48 hours of presentation	0.85 (0.71, 1.02)	0.80 (0.72, 0.90)	0.82 (0.75, 0.90)
5a	Mobilisation on day one post surgery	0.49 (0.39, 0.56)	0.65 (0.58, 0.74)	0.73 (0.66, 0.81)
5b	Unrestricted weight bearing status immediately post surgery	0.76 (0.52, 1.12)	0.92 (0.72, 1.19)	1.03 (0.82, 1.29)
5c	Did not experience a new Stage II or higher pressure ulcer during hospital stay	0.64 (0.45, 0.93)	0.66 (0.53, 0.83)	0.64 (0.53, 0.78)
6a	Received bone protection medication prior to separation from hospital at which they underwent surgery	0.48 (0.35, 0.66)	0.72 (0.61, 0.84)	0.78 (0.69, 0.89)
	Low adherence (0-3 acute care indicators)	1	1	1
	Moderate adherence (4 acute care indicators)	0.80 (0.64, 1.00)	0.78 (0.68, 0.90)	0.88 (0.79, 0.99)
	High adherence (5 or 6 acute care indicators)	0.49 (0.39, 0.61)	0.59 (0.52, 0.68)	0.70 (0.62, 0.78)

ACSQHC = Australian Commission on Safety and Quality in Health Care.

* Adjusted for age, sex, comorbidity, pre-fracture mobility, residential aged care status, and admission year.

† Excludes 171 patients admitted after 30 November 2018.

‡ Excludes 806 patients admitted after 31 August 2018.

§ Excludes 2,937 patients admitted after 31 December 2017.