

## Supplementary Material

### **Marked variations in medical provider and out-of-pocket costs for radical prostatectomy procedures in Australia**

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**Supplementary Table 1: Descriptive characteristics of patients who underwent radical prostatectomy and those in the lowest and highest percentile of medical provider and OOP costs.**

Variables	Medical Provider costs				OOP costs		
	Total sample  n=5,096	Low-cost group ( $\leq 10^{\text{th}}$ percentile i.e., $\leq 4,164$ )  n = 509	High-cost group ( $\geq 90^{\text{th}}$ percentile i.e., $\geq 14,089$ )  n = 510	$\chi^2$ (df) or Z statistic (Comparing low vs high- cost group)	Low-cost group ( $\leq 10^{\text{th}}$ percentile i.e., =0 or no OOP payment)  n=1,402	High-cost group ( $\geq 90^{\text{th}}$ percentile i.e., $\geq 14,089$ )  n = 420	$\chi^2$ (df) or Z statistic (comparing low vs high- cost group)
	n (%)	n (%)	n (%)		n (%)	n (%)	
Total medical provider costs (mean $\pm$ SD)	8,586.0 $\pm$ 3,969.2	2,866.5 $\pm$ 869.9	16,276.7 $\pm$ 2,453.5	z= -27.6 ***	5,444.6 $\pm$ 2,062.4	15,209.4 $\pm$ 2,598.6	Z= 30.9 ***
Total out of pocket costs (mean $\pm$ SD)	3,194.2 $\pm$ 3,149.6	170.4 $\pm$ 246.6	8,337.7 $\pm$ 2,407.3	z= -27.2 ***	-	9,314.4 $\pm$ 1,701.8	Z= 42.2 ***
Age (mean $\pm$ SD)	65.1 $\pm$ 7.1	64.9 $\pm$ 7.2	66.9 $\pm$ 7.0	z= -4.5 ***	65.1 $\pm$ 7.0	65.5 $\pm$ 7.3	Z=1.06
<b>Age categories</b>							
18 – 64 years	1,916 (39.8)	205 (42.2)	145 (30.6)	13.9 (1) ***	535 (40.2)	147 (37.6)	0.87 (1)
$\geq 65$ years	2,894 (60.17)	281 (57.8)	329 (69.4)		795 (59.7)	244 (62.4)	
<b>Number of Charlson comorbidities</b>							
0	12 (0.2)	## (##)	0 (0.0)	9.2 (2) **	## (##)	-	1.33 (2)
1	4,359 (85.5)	443 (87.0)	418 (82.0)		1,208 (86.2)	360 (85.7)	

≥ 2	725 (14.2)	63 (12.4)	92 (18.0)		190 (13.6)	60 (14.3)	
<b>Tobacco dependence</b>							
No	3,395 (66.6)	349 (68.6)	368 (72.2)	5.6 (1)**	909 (64.8)	307 (73.1)	9.9 (1) **
Yes	1,701 (33.4)	160 (31.4)	142 (27.8)		493 (35.2)	113 (26.9)	
<b>Geographic location</b>							
Rural	1,290 (25.7)	120 (23.6)	69 (13.5)	17.0 (1) ***	378 (27.0)	44 (10.5)	47.9 (1) ***
Urban	3,740 (74.4)	382 (75.1)	433 (84.9)		1014 (72.3)	367 (87.4)	
<b>Socio economic status</b>							
Q1 (Most disadvantaged)	541 (10.8)	52 (10.2)	29 (5.8)	59.1 (4) ***	155 (11.2)	19 (4.6)	119.8 (4) ***
Q2	663 (13.2)	67 (13.2)	52 (10.4)		198 (14.2)	38 (9.3)	
Q3	875 (17.4)	100 (19.7)	41 (8.2)		267 (19.2)	23 (5.60)	
Q4	1036 (20.6)	96 (18.9)	83 (16.5)		303 (21.8)	78 (18.9)	
Q5 (Most advantaged)	1,913 (38.1)	187 (36.7)	297 (59.2)		467 (33.6)	253 (61.6)	
<b>Membership family type</b>							
Single	1,274 (25.0)	137 (26.9)	138 (27.1)	0.35 (2)	385 (27.5)	89 (21.2)	8.3 (2) **
Couple	2,894 (56.8)	283 (55.6)	289 (56.8)		755 (53.9)	233 (55.6)	
Family	925 (18.2)	89 (17.5)	82 (16.1)		261 (18.6)	97 (23.2)	
<b>Australian hospital peer group</b>							
Private acute group A	2,072 (40.7)	174 (34.2)	79 (15.5)	95.6 (4) ***	642 (45.8)	33 (7.9)	357.7 (4)***
Private acute group B	2,290 (44.9)	266 (52.3)	346 (67.9)		473 (33.7)	301 (71.7)	
Private acute group C	349 (6.9)	31 (6.1)	12 (2.4)		188 (13.4)	## (##)	

Private acute group D	330 (6.5)	23 (4.5)	73 (14.3)		80 (5.7)	82 (19.5)	
Other hospitals	55 (1.1)	15 (3.0)	-		19 (1.4)	-	
<b>Length of stay categories</b>							
1 – 3 days	3,721 (73.0)	418 (82.1)	350 (68.6)	31.3 (2) ***	860 (61.3)	342 (81.4)	58.3 (2) ***
3 – 7 days	1,167 (22.9)	79 (15.5)	116 (22.8)		459 (32.7)	64 (15.2)	
>7 days	208 (4.1)	12 (2.4)	44 (8.6)		83 (5.9)	14 (3.3)	
<b>Year of admission</b>							
2015	905 (17.8)	58 (11.4)	98 (19.2)	15.4 (5) **	270 (19.2)	87 (20.7)	8.3 (1)
2016	866 (17.0)	80 (15.7)	88 (17.3)		266 (19.0)	99 (23.6)	
2017	849 (16.7)	101 (19.8)	78 (15.3)		273 (19.5)	61 (14.5)	
2018	820 (16.1)	92 (18.1)	79 (15.5)		213 (15.2)	61 (14.5)	
2019	807 (15.8)	86 (16.9)	87 (17.1)		186 (13.3)	53 (12.6)	
2020	849 (16.7)	92 (18.1)	80 (15.7)		194 (13.8)	59 (14.1)	
<b>State / Territory of residence</b>							
New South Wales	1,474 (28.9)	164 (32.2)	313 (61.4)	266.5 (7) ***	238 (17.0)	335 (79.8)	778.4 (7)***
Victoria	904 (17.8)	55 (10.8)	12 (2.4)		585 (41.7)	8 (1.9)	
Queensland	1543 (30.3)	160 (31.4)	65 (12.8)		259 (18.5)	27 (6.4)	
South Australia	294 (5.8)	61 (12.0)	-		138 (9.8)	-	
Western Australia	516 (10.1)	46 (9.0)	-		110 (7.9)	## (##)	
Tasmania	140 (2.8)	## (##)	7 (1.4)		54 (3.9)	## (##)	
Australian Capital territory	200 (3.9)	18 (3.5)	104 (20.4)		7 (0.5)	42 (10.0)	

Northern Territory	23 (0.5)	## (##)	-		11 (0.8)	-	
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