

Additional file 1: Factors associated with prolonged LOS in men with prostate cancer undergoing radical prostatectomy in public hospitals. Total number of subjects, median, 10th and 90th percentiles, number and percent with prolonged LOS (n, %), crude and adjusted odds ratios (OR) with 95% confidence intervals (CI) and p-values

	LOS			LOS > 9 days (75 th percentile)					
	N	¹ M	² 10 th -90 th	n (%)	³ OR	95% CI	⁴ OR	95% CI	⁵ p-value
Age at diagnosis									
<55	353	7	6 - 12	76 (21.5)	0.86	0.62-1.60	-	-	
55-59	460	8	6 - 12	111 (24.1)	1.00	-	-	-	
60-64	455	8	6 - 13	118 (25.9)	1.10	0.82-1.48	-	-	
65-69	267	8	6 - 15	70 (26.2)	1.11	0.79-1.58	-	-	
Marital status									
Married	1268	8	6 - 12	287 (22.6)	1.00	-	1.00	-	<i>p</i> <0.001
Other	263	8	6 - 15	87 (33.1)	1.69	1.27-2.25	1.71	1.25-2.34	
Smoking Status									
Ever	521	8	6 - 13	122 (23.4)	0.87	0.67-1.14	-	-	
Never	686	8	6 - 13	178 (25.9)	1.0	-	-	-	
Unknown	328	8	6 - 12	75 (22.8)	0.85	0.62-1.15	-	-	
⁶Deprivation Index									
1 (least deprived)	400	8	6 - 11	82 (20.5)	1.00	-	-	-	
2	193	8	6 - 12	41 (21.2)	1.05	0.69-1.59	-	-	
3	197	8	6 - 13	55 (27.9)	1.50	1.01-2.23	-	-	
4	246	8	6 - 14	61 (24.8)	1.28	0.88-1.87	-	-	
5 (most deprived)	360	8	6 - 13	99 (27.5)	1.47	1.05-2.06	-	-	
Unknown	139	8	6 - 15	37 (26.6)	1.41	0.90-2.20	-	-	
⁷Comorbidity									
None	1127	8	6 - 12	242 (21.5)	1.00	-	1.00	-	<i>p</i> <0.001
Any	408	8	6 - 15	133 (32.6)	1.77	1.38-2.27	1.64	1.25-2.16	

Additional file 1 continued,

	LOS			LOS >9 days (75 th percentile)					
	n=1535	¹ M	² 10 th -90 th	n=375 (%)	³ OR	95% CI	⁴ OR	95% CI	⁵ p-value
Grade/Gleason Score									
Low/intermed (GS<=7)	1345	8	6 - 13	321 (23.9)	1.00	-	-	-	
High (GS>7)	147	8	6 - 14	39 (26.5)	1.15	0.78-1.70	-	-	
Unknown	43	8	6 - 16	15 (34.9)	1.71	0.90-3.24	-	-	
Stage									
Unknown	1128	8	6 - 12	255 (22.6)	1.00	-	1.00	-	<i>p<0.001</i>
I & II	285	8	6 - 16	75 (26.3)	1.22	0.91-1.65	1.38	0.99-1.92	
III & IV	122	8.5	6 - 14	45 (37.0)	2.00	1.35-2.96	2.19	1.44-3.34	
Patient status									
Public	618	8	6 - 13	145 (23.5)	1.00	-	-	-	
Private	805	7	6 - 12	176 (21.9)	0.91	0.71-1.17	-	-	
Unknown	112	9	6 - 15	54 (48.2)	3.03	2.01-4.60	-	-	
⁸Hospital volume									
Higher (>49)	754	7	6 - 11	126(16.7)	0.43	0.34-0.55	0.34	0.26-0.45	<i>p<0.001</i>
Lower (<=49)	781	8	6 - 15	249 (31.9)	1.00	-	1.00	-	
⁹Surgeon volume									
Higher (>17)	750	8	6 - 11	161 (21.5)	0.73	0.58-0.92	0.55	0.42-0.71	<i>p<0.001</i>
Lower (<=17)	785	8	6 - 14	214 (27.3)	1.00	-	1.00	-	

¹median, ²10th and 90th percentiles, ³unadjusted odds ratio, ⁴adjusted odds ratio for variables shown; model also adjusted for year of surgery, ⁵global p-values from likelihood ratio tests, ⁶SAHRU 2002 index, ⁷count of morbidities included in the Elixhauser index on HIPE record of RP episode, ⁸median number of RPs performed at hospital per year, ⁹median number of RP performed by surgeon per year in public and private hospitals