

Additional file 2: Characteristics of prostate cancer patients in total, and by RP surgery status

	All prostate (n=9096) (%)	RP - yes (n=2411) (%)	RP - no (n=6685) (%)	X ² Test	All RPs ¹ (n=2411) (%)	Public hosp (n=1610) (%)	Private hosp (n=795) (%)	X ² Test
Age at diagnosis								
<55	1085 (11.9)	513 (21.3)	572(8.6)	687.4, p <0.001	513 (21.3)	370 (23.0)	143 (18.0)	13.3, p =0.004
55-59	1865 (20.5)	723 (30.0)	1142 (17.1)		723 (30.0)	481 (29.9)	240 (30.2)	
60-64	2727 (30.0)	718 (29.8)	2009 (30.1)		718 (29.8)	481 (29.9)	235 (29.6)	
65-69	3419 (37.6)	457 (18.9)	2962 (44.3)		457 (18.9)	278 (17.3)	177 (22.3)	
Marital status								
Married	6706 (73.7)	2006 (83.2)	4700 (70.3)	154.0, p<0.001	2006 (82.2)	1334 (82.9)	667 (83.9)	1.67, p=0.795
Other	2312 (25.4)	397 (16.5)	1915(28.6)		397 (16.5)	272 (16.9)	124 (15.6)	
Unknown	78 (0.9)	8 (0.3)	70 (1.0)		8 (0.3)	4 (0.2)	4 (0.5)	
Deprivation index²								
1 (least)	2051 (22.5)	633 (26.3)	1418 (21.2)	42.0 p< 0.001	633 (26.3)	417 (25.9)	216 (27.2)	28.7, p = 0.001
2	1203 (13.2)	319 (13.2)	884 (13.20)		319 (13.2)	203 (12.6)	115 (14.5)	
3	1190 (13.1)	320 (13.3)	870 (13.0)		320 (13.3)	207 (12.9)	111 (14.0)	
4	1483 (16.3)	408 (16.9)	1075 (16.1)		408 (16.9)	257 (16.0)	149(18.7)	
5 (most)	2227 (24.5)	498 (20.7)	1729 (25.9)		498 (20.7)	377 (23.4)	121 (15.2)	
Unknown	942 (10.4)	233 (9.7)	709 (10.6)		233 (9.7)	149 (9.2)	83 (10.4)	
Smoking status								
Ever	2551 (28.0)	741 (30.7)	1810 (27.1)	306.0, p< 0.001	741 (30.8)	545 (33.8)	196 (24.6)	61.2, p< 0.001
Never	2828 (31.1)	1025 (42.5)	1803 (27.0)		1020 (42.4)	712 (44.2)	308 (38.7)	
Unknown	3717 (40.9)	645 (26.7)	3072(45.9)		644 (26.8)	353 (21.9)	291 (36.6)	
Grade/Gleason score								
Low/intermed (GS<=7)	6799 (74.7)	2088 (86.6)	4711 (70.5)	265.3, p<0.001	2088 (86.6)	1408 (87.4)	678 (85.3)	2.4, p=0.305
High (GS>7)	1391 (15.3)	243 (10.1)	1148 (17.2)		243 (10.1)	151 (9.4)	90 (11.3)	
Unknown	906 (10.0)	80 (3.3)	826 (12.4)		80 (3.3)	51 (3.2)	27 (3.4)	
Stage								
I & II	1617 (17.8)	449 (18.6)	1168 (17.5)	43.4, p<0.001	448 (18.6)	304 (18.9)	144 (18.1)	1.74, p=0.419
III & IV	1038 (11.4)	187 (7.8)	851 (12.7)		185 (7.7)	131 (8.1)	54 (6.8)	
Unknown	6441 (70.8)	1775 (73.6)	4666 (69.8)		1772 (73.7)	1177 (73.0)	597 (75.1)	

¹6 patients were treated outside Ireland or in 'unknown' hospitals, ²SAHRU 2002 index of deprivation