

Appendix 2. Mortality figures and crude, propensity score adjusted, traditionally adjusted, and inverse probability of treatment weight (IPTW) adjusted hazard ratios for radiotherapy versus radical prostatectomy for prostate cancer- and other cause-specific mortality, stratified by risk group

	No. of events/Total no. (%)		Crude HR (95% CI)	p-value	Propensity-score adjusted HR (95% CI)	p-value	Traditional covariate adjusted HR (95% CI)	p-value	Inverse Probability of Treatment Weighted HR (95% CI)	p-value
	RT	RP	RT vs RP		RT vs RP		RT vs RP		RT vs RP	
<b>Risk group 1</b>										
Prostate cancer-specific mortality	32/3039 (1.1%)	44/10003 (0.4%)	2.23 (1.41-3.52)	<0.001	1.95 (1.19-3.19)	0.008	2.06 (1.25-3.38)	0.004	1.81 (1.13-2.90)	0.014
Other cause-specific mortality	223/3039 (7.3%)	412/10003 (4.1%)	1.68 (1.43-1.98)	<0.001	1.26 (1.06-1.51)	0.011	1.25 (1.05-1.50)	0.014	1.14 (0.95-1.37)	0.149
<b>Risk group 2</b>										
Prostate cancer-specific mortality	142/4030 (3.5%)	131/8125 (1.6%)	2.05 (1.62-2.60)	<0.001	1.84 (1.42-2.39)	<0.001	1.82 (1.40-2.37)	<0.001	1.87 (1.47-2.39)	<0.001
Other cause-specific mortality	376/4030 (9.3%)	365/8125 (4.5%)	1.98 (1.71-2.28)	<0.001	1.46 (1.25-1.71)	<0.001	1.42 (1.21-1.67)	<0.001	1.38 (1.18-1.60)	<0.001
<b>Risk group 3</b>										
Prostate cancer-specific mortality	418/5040 (8.3%)	118/2609 (4.5%)	1.73 (1.41-2.12)	<0.001	1.52 (1.21-1.91)	<0.001	1.65 (1.31-2.08)	<0.001	1.64 (1.35-2.00)	<0.001
Other cause-specific mortality	458/5040 (9.1%)	154/2609 (5.9%)	1.47 (1.22-1.76)	<0.001	1.24 (1.00-1.54)	0.045	1.23 (1.00-1.52)	0.055	1.26 (1.06-1.51)	0.011
<b>Non-metastatic (risk groups 1 to 3)</b>										
Prostate cancer-specific mortality	592/12109 (4.9%)	293/20737 (1.4%)	3.20 (2.78-3.68)	<0.001	1.80 (1.53-2.12)	<0.001	1.80 (1.53-2.12)	<0.001	1.69 (1.47-1.95)	<0.001
Other cause-specific mortality	1057/12109 (8.7%)	931/20737 (4.5%)	1.82 (1.66-1.99)	<0.001	1.34 (1.21-1.49)	<0.001	1.30 (1.17-1.44)	<0.001	1.22 (1.12-1.34)	<0.001
<b>Risk group 4</b>										
Prostate cancer-specific mortality	102/817 (12.5%)	43/389 (11.1%)	0.98 (0.69-1.40)	0.913	0.73 (0.47-1.15)	0.172	0.65 (0.40-1.04)	0.071	0.54 (0.39-0.74)	<0.001
Other cause-specific mortality	65/817 (8.0%)	40/389 (10.3%)	0.70 (0.47-1.04)	0.074	0.74 (0.43-1.29)	0.288	0.57 (0.32-1.03)	0.064	0.59 (0.40-0.89)	0.011

List of abbreviations: RP–Radical prostatectomy, RT–Radiotherapy, HR–Hazard ratio, CI–Confidence interval.