

Supplementary Table S1. Dropout analysis and non-responder analysis. All numbers are sample sizes n (%) except when reported otherwise.

	Regression analysis sample	Dropout sample	p value
Characteristics	2,597 (87.2)	382 (12.8)	
Age at survey (years), mean (SD)	79.3 (6.4)	80.4 (6.5)	0.001
Level of education ¹			<0.001
Low	975 (37.5)	127 (49.2)	
Intermediate	456 (17.6)	31 (12.0)	
High	1,166 (44.9)	100 (38.8)	
Good self-reported financial status	1,918 (73.9)	224 (64.7)	<0.001
Living in a partnership	2,255 (86.8)	272 (83.4)	0.091
Secondary cancer	349 (13.4)	57 (14.9)	0.430
Organ-confined cancer	1,876 (72.2)	249 (69.2)	0.225
Biochemical recurrence			0.130
Previous recurrence	502 (19.3)	56 (15.3)	
Current recurrence	451 (17.4)	73 (20.0)	
No recurrence at all	1,644 (63.3)	237 (64.8)	
Under current therapy	256 (9.9)	52 (13.6)	0.024
Depression symptoms (PHQ-2 \geq 3)	270 (10.4)	35 (11.4)	0.473
Anxiety symptoms (GAD-2 \geq 3)	206 (7.9)	25 (8.7)	0.645
Quality of life, mean (SD)	66.5 (19.2)	64.8 (20.6)	0.212
Frailty ²	851 (32.8)	134 (35.1)	0.370
	Responder	Non-responder	
	2,979	2,348	
Age at survey (years), mean (SD)	79.4 (6.4)	81.7 (6.3)	<0.001
Level of education ¹			<0.001
Low	1,102 (38.6)	777 (48.5)	
Intermediate	487 (17.1)	264 (16.5)	
High	1,266 (44.3)	562 (35.1)	
Living in a partnership	2,527 (86.5)	194 (86.2)	0.927
Having children	2,587 (88.2)	1,940 (88.5)	0.707
Organ-confined cancer	2,125 (71.9)	1,584 (68.2)	0.004
Time since RP (years), mean (SD)	17.4 (3.7)	18.0 (3.9)	<0.001

The numbers indicated are among the completed entries and not always adding up to the total sample size.

¹ Level of education (low (defined as \leq 9 years of school), intermediate (10-11 years of school), and high (\geq 12 years of school))

² Frailty was defined as a Groningen Frailty Indicator-Score \geq 4.

Abbreviations: GAD-2, Generalized Anxiety Disorder-2; PHQ-2, Patient Health Questionnaire-2; RP, Radical prostatectomy; SD = Standard deviation

Supplementary Table S2. Modified Poisson regression analysis of frailty (Groningen Frailty Indicator ≥ 3).

	RR	95% CI	p-value
Sociodemographic characteristics			
Age at survey (years)	1.02	1.01 – 1.02	<0.001
Level of education ¹ (ref.: low)			
Intermediate	0.98	0.88 – 1.10	0.752
High	1.06	0.98 – 1.16	0.156
Self-reported financial status (ref.: good)	1.12	1.03 – 1.22	0.006
Living in a partnership (ref.: no)	0.84	0.76 – 0.92	<0.001
Clinicopathological characteristics			
Secondary cancer (ref.: no)	1.11	1.01 – 1.23	0.032
Organ-confined cancer (ref.: yes)	1.05	0.97 – 1.15	0.228
Biochemical recurrence since RP (ref.: no recurrence at all)			
Previous recurrence	1.04	0.94 – 1.15	0.470
Current recurrence	1.05	0.95 – 1.16	0.347
Under current therapy (ref.: no)	1.00	0.86 – 1.13	0.987
Quality of life and emotional health			
Quality of life, mean (for change of 10 point)	0.88	0.86 – 0.90	<0.001
Depression symptoms (PHQ-2)	1.13	1.09 – 1.18	<0.001
Anxiety symptoms (GAD-2)	1.13	1.09 – 1.17	<0.001

Abbreviations: GAD-2, Generalized Anxiety Disorder-2; PHQ-2, Patient Health Questionnaire-2; RP, Radical prostatectomy; SD = Standard deviation.

¹ level of education (low (defined as ≤ 9 years of school), intermediate (10-11 years of school), and high (≥ 12 years of school))