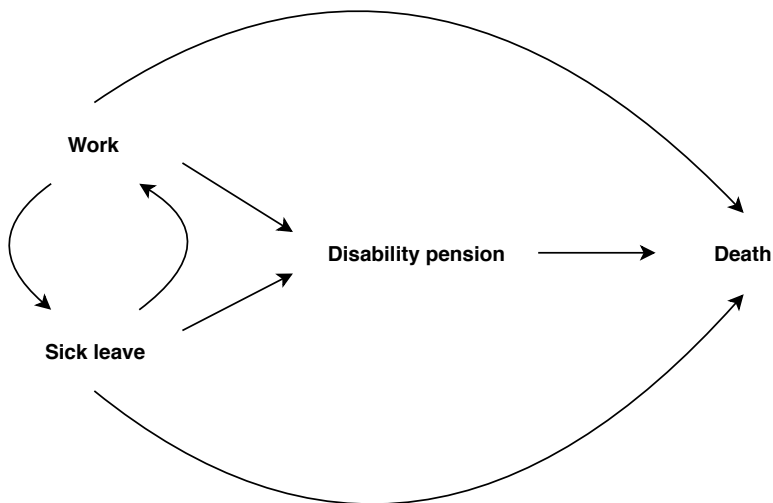


Duration of sick leave after active surveillance, surgery, or radiotherapy for localized prostate cancer: a nationwide cohort study

Supplementary material

Supplemental Figure 1. Illustration of the multi-state model with arrows representing possible transitions (see Supplementary Table 1 for number of events for each transition)

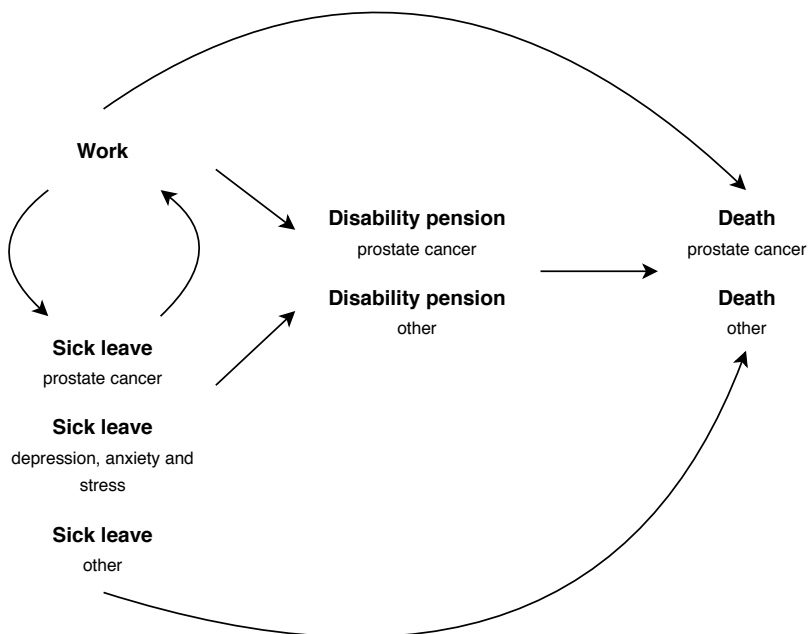


Supplementary Table 1. Number of events for each transition in the multi-state model, stratified by treatment strategy (see footnote for median follow-up time)

Transition	AS	RP	RT	PCa-free men
	<i>n</i> events	<i>n</i> events	<i>n</i> events	<i>n</i> events
Work → sick leave	2246	9540	1229	17836
Work → disability pension	11	4	2	71
Work → death	26	43	13	473
Sick leave → work	2024	9094	1127	15491
Sick leave → disability pension	24	52	22	340
Sick leave → death	24	38	4	331
Disability pension → death	8	4	3	30

Abbreviations: AS, active surveillance; PCa, prostate cancer; RT, radiotherapy; RP, radical prostatectomy
 Median follow-up [in years (IQR)]: AS 2.4 (1.2-4.0); RP 3.3 (1.7-5.4); RT 3.1 (1.6-5.2); PCa-free men 2.9 (1.5-5.0)

Supplemental Figure 2. Illustration of the cause-specific multi-state model with arrows representing possible transitions. For simplicity, transitions to/from cause-specific sick leave, disability pension receipt, and death are illustrated with one arrow (see Supplementary Table 2 for all possible transitions together with the number of events for each transition)



Supplementary Table 2. Number of events for each transition in the cause-specific multi-state model, stratified by treatment strategy (see footnote for median follow-up time)

Transition	AS	RP	RT	PCa-free men
	<i>n</i> events	<i>n</i> events	<i>n</i> events	<i>n</i> events
Work → sick leave prostate cancer	821	6514	626	7
Work → sick leave depression	166	361	69	1847
Work → sick leave other	1259	2665	534	15982
Work → disability pension prostate cancer	2	0	0	0
Work → disability pension other	9	4	2	71
Work → death prostate cancer	0	4	1	0
Work → death other	26	39	12	473
Sick leave prostate cancer → work	779	6365	601	0
Sick leave prostate cancer → disability pension prostate cancer	0	7	0	0
Sick leave prostate cancer → disability pension other	2	5	0	0
Sick leave prostate cancer → death prostate cancer	2	7	1	0
Sick leave prostate cancer → death other	0	3	0	0
Sick leave depression → work	136	307	57	1511
Sick leave depression → disability pension prostate cancer	0	0	1	0
Sick leave depression → disability pension other	5	5	4	40
Sick leave depression → death prostate cancer	0	0	0	0
Sick leave depression → death other	0	3	0	16
Sick leave other → work	1109	2422	469	13980
Sick leave other → disability pension prostate cancer	0	1	0	0
Sick leave other → disability pension other	17	34	17	300
Sick leave other → death prostate cancer	0	1	0	0
Sick leave other → death other	22	24	3	315
Disability pension prostate cancer → death prostate cancer	0	0	0	0
Disability pension prostate cancer → death other	0	1	0	0
Disability pension other → death prostate cancer	0	0	0	0
Disability pension other → death other	8	3	3	30

Abbreviations: AS, active surveillance; PCa, prostate cancer; RT, radiotherapy; RP, radical prostatectomy
 Median follow-up [in years (IQR)]: AS 2.4 (1.2-4.0); RP 3.3 (1.7-5.4); RT 3.1 (1.6-5.2); PCa-free men 2.9 (1.5-5.0)

Supplementary Table 3. Model specification for predicting differences in length of stay on sick leave from adjusted cause-specific multi-state model

Transition*	df for baseline hazard function†	df for time-dependent effects†	Variables with time-dependent effects
1. Work → sick leave prostate cancer	4	2	Initial treatment strategy
2. Work → sick leave depression	3	1	Initial treatment strategy
3. Work → sick leave other	3	2	Initial treatment strategy
4. Work → disability pension/death	1	0	
5. Sick leave prostate cancer → work	4	2	Initial treatment strategy
6. Sick leave prostate cancer → disability pension/death	1	0	
7. Sick leave depression → work	3	1	Initial treatment strategy
8. Sick leave depression → disability pension/death	1	0	
9. Sick leave other → work	3	1	Initial treatment strategy
10. Sick leave other → disability pension/death	1	0	

* Disability pension and death were combined into one state to reduce the number of transitions

† Knots selection was guided by the BIC.

In addition to type of initial treatment and time since diagnosis, the following covariates were adjusted for: age at diagnosis (<55, 55–59, 60–64), calendar period of diagnosis (2007–2009, 2010–2012, 2013–2016), region of residence (six geographical areas), education [low (0–9 yr), middle (10–12 yr), high (> 12 yr)], income [based on the income distribution of prostate cancer-free men (1–20%, 21–40%, 41–60%, 61–80%, 81–100%)], prior sick leave (no, yes), T stage (T1, T2), PSA (< 4, 4–9, 10–19 ng/ml), and Gleason Grade Group. (Models for transitions 4, 6, 8, and 10 only included tumor characteristics due to few events). All analyses were complete-case analyses.

Supplementary Table 4. Cause-specific percentages with 95% confidence intervals of work, sick leave, disability pension receipt, or death by initial treatment strategy and time since diagnosis in men with localized low- and intermediate-risk prostate cancer and matched prostate cancer-free men

State			Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
Active surveillance	Work		95.9 (95.3-96.4)	95.1 (94.3-95.7)	94.0 (93.0-94.9)	93.9 (92.7-94.9)	93.7 (92.2-94.9)	93.3 (91.4-94.8)	91.0 (88.1-93.2)
	Sick leave	All-cause	3.8 (3.3-4.4)	4.1 (3.5-4.8)	4.6 (3.8-5.6)	3.9 (3.0-5.0)	3.1 (2.2-4.5)	2.3 (1.3-4.0)	4.2 (2.4-7.0)
		Prostate cancer	1.3 (1.0-1.7)	1.3 (0.9-1.7)	1.1 (0.8-1.7)	0.8 (0.5-1.4)	0.4 (0.2-1.2)	0.0 (0.0-0.0)	0.6 (0.1-2.4)
		Depression, anxiety, stress	0.4 (0.2-0.6)	0.6 (0.4-0.9)	0.8 (0.5-1.2)	0.3 (0.1-0.8)	0.4 (0.2-1.0)	0.6 (0.2-1.7)	0.3 (0.0-1.8)
		Other	2.1 (1.7-2.5)	2.2 (1.8-2.8)	2.7 (2.1-3.5)	2.7 (2.0-3.7)	2.3 (1.5-3.4)	1.7 (0.9-3.2)	3.4 (1.9-6.1)
	Disability pension	All-cause	0.0 (0.0-0.2)	0.2 (0.1-0.4)	0.5 (0.3-0.8)	0.8 (0.5-1.3)	1.3 (0.8-2.0)	1.7 (1.1-2.7)	1.7 (1.0-2.9)
		Prostate cancer	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.3)	0.0 (0.0-0.3)	0.0 (0.0-0.3)	0.2 (0.0-0.7)	0.2 (0.0-0.7)
		Other	0.0 (0.0-0.2)	0.2 (0.1-0.4)	0.4 (0.2-0.8)	0.8 (0.5-1.3)	1.3 (0.8-2.0)	1.5 (1.0-2.5)	1.6 (0.9-2.7)
	Death	All-cause	0.3 (0.2-0.5)	0.7 (0.5-1.0)	0.9 (0.6-1.3)	1.3 (1.0-1.9)	1.9 (1.4-2.6)	2.7 (1.9-3.8)	3.1 (2.2-4.4)
		Prostate cancer	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.2 (0.0-0.8)	0.2 (0.0-0.8)	0.2 (0.0-0.8)
		Other	0.3 (0.2-0.5)	0.7 (0.5-1.0)	0.9 (0.6-1.3)	1.3 (1.0-1.8)	1.7 (1.2-2.3)	2.5 (1.7-3.5)	2.9 (2.0-4.2)

Supplementary Table 4 cont.

State			Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
Radical prostatectomy	Work		95.1 (94.6-95.6)	96.0 (95.5-96.5)	96.0 (95.5-96.5)	95.1 (94.4-95.7)	94.0 (93.1-94.8)	93.5 (92.4-94.4)	92.6 (91.2-93.8)
	Sick leave	All-cause	4.7 (4.3-5.2)	3.5 (3.1-4.0)	3.0 (2.6-3.5)	3.5 (3.0-4.1)	3.9 (3.3-4.7)	3.6 (2.8-4.5)	3.8 (2.9-5.1)
		Prostate cancer	2.6 (2.3-3.0)	0.8 (0.6-1.1)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.3 (0.2-0.6)	0.2 (0.1-0.6)	0.6 (0.3-1.2)
		Depression, anxiety, stress	0.4 (0.3-0.5)	0.5 (0.3-0.7)	0.5 (0.3-0.7)	0.6 (0.4-0.9)	0.8 (0.5-1.2)	0.6 (0.4-1.1)	0.7 (0.3-1.3)
		Other	1.7 (1.5-2.0)	2.2 (1.9-2.6)	2.1 (1.8-2.6)	2.7 (2.2-3.2)	2.9 (2.3-3.5)	2.7 (2.1-3.5)	2.6 (1.8-3.6)
	Disability pension	All-cause	0.0 (0.0- 0.1)	0.1 (0.1-0.2)	0.4 (0.3-0.6)	0.5 (0.3-0.7)	0.8 (0.6-1.1)	1.2 (0.9-1.6)	1.6 (1.2-2.2)
		Prostate cancer	0.0 (0.0-0.0)	0.0 (0.0-0.1)	0.1 (0.0-0.2)	0.1 (0.0-0.2)	0.1 (0.0-0.3)	0.2 (0.1-0.3)	0.2 (0.1-0.3)
		Other	0.0 (0.0-0.1)	0.1 (0.0-0.2)	0.3 (0.2-0.5)	0.4 (0.3-0.6)	0.7 (0.5-1.0)	1.1 (0.8-1.5)	1.4 (1.0-2.0)
	Death	All-cause	0.1 (0.1-0.3)	0.3 (0.2-0.5)	0.6 (0.4-0.8)	0.9 (0.7-1.2)	1.2 (1.0-1.6)	1.8 (1.4-2.3)	2.0 (1.5-2.5)
		Prostate cancer	0.0 (0.0-0.0)	0.0 (0.0-0.1)	0.0 (0.0-0.1)	0.1 (0.1-0.3)	0.1 (0.1-0.3)	0.3 (0.1-0.5)	0.3 (0.1-0.5)
		Other	0.1 (0.1-0.3)	0.3 (0.2-0.5)	0.5 (0.4-0.7)	0.8 (0.6-1.0)	1.1 (0.8-1.4)	1.5 (1.1-1.9)	1.7 (1.3-2.2)

Supplementary Table 4 cont.

State		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7		
Radiotherapy	Work	93.6 (92.2-94.8)	93.5 (92.0-94.8)	94.4 (92.7-95.7)	92.4 (90.3-94.2)	91.9 (89.3-93.9)	89.7 (86.3-92.3)	87.1 (82.4-90.8)		
	Sick leave	All-cause	6.3 (5.2-7.7)	6.0 (4.7-7.5)	4.5 (3.3-6.0)	5.0 (3.6-7.0)	4.3 (2.8-6.5)	4.9 (3.0-7.9)	6.6 (3.7-11.2)	
		Prostate cancer	3.3 (2.4-4.3)	1.2 (0.7-1.9)	0.6 (0.3-1.4)	0.5 (0.2-1.4)	0.7 (0.2-1.9)	0.6 (0.1-2.3)	0.4 (0.1-3.2)	
		Depression, anxiety, stress	0.3 (0.1-0.8)	0.5 (0.3-1.2)	0.7 (0.3-1.4)	1.2 (0.6-2.2)	0.4 (0.1-1.7)	0.3 (0.0-2.1)	2.0 (0.7-5.2)	
	Other		2.7 (2.0-3.7)	4.2 (3.2-5.6)	3.1 (2.2-4.5)	3.3 (2.2-5.0)	3.2 (2.0-5.2)	4.0 (2.4-6.9)	4.1 (2.0-8.3)	
		Disability pension	All-cause	0.0 (0.0-0.0)	0.2 (0.0-0.7)	0.6 (0.3-1.3)	1.3 (0.8-2.4)	1.8 (1.1-3.2)	2.9 (1.8-4.8)	3.8 (2.3-6.2)
			Prostate cancer	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.1 (0.0-0.6)	0.1 (0.0-0.6)	0.1 (0.0-0.6)	0.1 (0.0-0.6)	0.1 (0.0-0.6)
	Other		0.0 (0.0-0.0)	0.2 (0.0-0.7)	0.5 (0.2-1.2)	1.3 (0.7-2.3)	1.7 (1.0-3.1)	2.8 (1.6-4.6)	3.7 (2.2-6.2)	
	Death	All-cause	0.1 (0.0-0.5)	0.3 (0.1-0.8)	0.5 (0.2-1.1)	1.2 (0.6-2.1)	1.9 (1.1-3.3)	2.5 (1.5-4.2)	2.5 (1.5-4.2)	
		Prostate cancer	0.0 (0.0-0.0)	0.1 (0.0-0.6)	0.1 (0.0-0.6)	0.1 (0.0-0.6)	0.3 (0.1-1.4)	0.3 (0.1-1.4)	0.3 (0.1-1.4)	
		Other	0.1 (0.0-0.5)	0.2 (0.1-0.7)	0.4 (0.2-1.0)	1.1 (0.6-2.0)	1.7 (0.9-2.9)	2.2 (1.3-3.8)	2.2 (1.3-3.8)	

Supplementary Table 4 cont.

State			Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
Prostate cancer-free men	Work		97.2 (97.0-97.3)	96.4 (96.2-96.5)	95.5 (95.3-95.8)	94.7 (94.4-94.9)	93.7 (93.3-94.0)	93.1 (92.7-93.5)	91.8 (91.3-92.4)
	Sick leave	All-cause	2.5 (2.4-2.6)	2.8 (2.6-2.9)	3.0 (2.8-3.2)	3.2 (3.0-3.4)	3.5 (3.2-3.8)	3.3 (3.0-3.7)	3.8 (3.4-4.3)
		Prostate cancer	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)
		Depression, anxiety, stress	0.4 (0.3-0.4)	0.4 (0.4-0.5)	0.5 (0.4-0.5)	0.5 (0.4-0.6)	0.6 (0.5-0.7)	0.6 (0.5-0.8)	0.7 (0.5-0.9)
		Other	2.1 (2.0-2.2)	2.3 (2.2-2.5)	2.6 (2.4-2.7)	2.7 (2.5-2.9)	2.9 (2.6-3.1)	2.7 (2.4-3.0)	3.1 (2.7-3.6)
	Disability pension	All-cause	0.1 (0.0-0.1)	0.2 (0.1-0.2)	0.4 (0.3-0.4)	0.7 (0.6-0.7)	0.9 (0.8-1.1)	1.3 (1.1-1.5)	1.5 (1.3-1.7)
		Prostate cancer	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)
		Other	0.1 (0.0-0.1)	0.2 (0.1-0.2)	0.4 (0.3-0.4)	0.7 (0.6-0.7)	0.9 (0.8-1.1)	1.3 (1.1-1.5)	1.5 (1.3-1.7)
	Death	All-cause	0.3 (0.3-0.4)	0.7 (0.6-0.8)	1.1 (1.0-1.2)	1.5 (1.4-1.6)	1.9 (1.8-2.1)	2.3 (2.1-2.5)	2.8 (2.6-3.1)
		Prostate cancer	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)
		Other	0.3 (0.3-0.4)	0.7 (0.6-0.8)	1.1 (1.0-1.1)	1.5 (1.4-1.6)	1.9 (1.8-2.1)	2.3 (2.1-2.5)	2.8 (2.6-3.1)

Supplementary Table 5. Mean length of stay on work, sick leave, disability pension, and death within the first five years after diagnosis, stratified by risk category

State		Active surveillance	Radical prostatectomy	Radiotherapy
		Length of stay*, days (95% CI)	Length of stay*, days (95% CI)	Length of stay*, days (95% CI)
Low-risk				
Work		1737 (1728-1745)	1726 (1719-1734)	1709 (1685-1734)
Sick leave	All-cause	66 (60-73)	87 (81-93)	96 (78-115)
	Prostate cancer	15 (13-18)	40 (38-42)	36 (28-44)
	Depression, anxiety, stress	9 (6-11)	9 (7-12)	9 (3-16)
Disability pension	Other	42 (36-48)	38 (33-43)	51 (38-64)
	All-cause	8 (5-11)	4 (2-6)	12 (4-20)
	Prostate cancer	0 (0-1)	0 (0-0)	2 (0-5)
Death	Other	8 (5-11)	4 (2-6)	10 (2-18)
	All-cause	15 (10-20)	9 (5-12)	9 (0-17)
	Prostate cancer	0 (0-0)	0 (0-1)	0 (0-0)
Other	All-cause	15 (10-20)	8 (5-12)	9 (0-17)
	Prostate cancer			
	Other			
Intermediate-risk				
Work		1722 (1698-1746)	1708 (1700-1716)	1667 (1643-1691)
Sick leave	All-cause	83 (65-101)	102 (96-109)	135 (115-154)
	Prostate cancer	24 (16-31)	51 (48-54)	50 (42-58)
	Depression, anxiety, stress	13 (3-23)	10 (8-13)	14 (5-23)
Disability pension	Other	47 (35-60)	42 (36-47)	70 (54-86)
	All-cause	6 (0-14)	6 (4-9)	12 (4-20)
	Prostate cancer	0 (0-0)	2 (1-3)	0 (0-0)
Death	Other	6 (0-14)	4 (2-6)	12 (4-20)
	All-cause	15 (5-26)	10 (6-13)	13 (3-22)
	Prostate cancer	2 (0-4)	2 (0-3)	2 (0-5)
Other	Other	14 (2-25)	8 (5-11)	11 (2-19)
	Other			

* Number of days may not add up because of rounding

Supplementary Table 6. Percentage of sick leave spent by men remaining in initial treatment group and by men with secondary treatment by time since diagnosis

State			Secondary treatment*	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
AS	Sick leave	All-cause	All men	3.8 (3.3-4.4)	4.1 (3.5-4.8)	4.6 (3.8-5.6)	3.9 (3.0-5.0)	3.1 (2.2-4.5)	2.3 (1.3-4.0)	4.2 (2.4-7.0)
			None	2.3 (1.9-2.8)	2.4 (2.0-3.0)	2.7 (2.1-3.5)	2.4 (1.7-3.3)	1.4 (0.8-2.4)	1.3 (0.6-2.7)	2.1 (1.0-4.3)
			RT	0.2 (0.1-0.4)	0.2 (0.1-0.5)	0.2 (0.1-0.5)	0.3 (0.1-0.7)	0.3 (0.1-1.0)	0.3 (0.1-1.2)	0.3 (0.0-2.4)
			RP	1.3 (1.0-1.6)	1.3 (1.0-1.8)	1.5 (1.1-2.1)	0.9 (0.5-1.6)	1.4 (0.8-2.4)	0.6 (0.2-1.9)	1.4 (0.6-3.5)
			ADT	0.0 (0.0-0.0)	0.1 (0.0-0.3)	0.1 (0.0-0.3)	0.2 (0.1-0.6)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.2 (0.0-1.5)
		Prostate cancer	All men	1.3 (1.0-1.7)	1.3 (0.9-1.7)	1.1 (0.8-1.7)	0.8 (0.5-1.4)	0.4 (0.2-1.2)	0.0 (0.0-0.0)	0.6 (0.1-2.4)
			None	0.1 (0.1-0.3)	0.1 (0.0-0.2)	0.2 (0.1-0.6)	0.1 (0.0-0.5)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)
			RT	0.1 (0.0-0.3)	0.1 (0.0-0.3)	0.1 (0.0-0.4)	0.1 (0.0-0.6)	0.1 (0.0-0.8)	0.0 (0.0-0.0)	0.0 (0.0-0.0)
			RP	1.1 (0.8-1.5)	1.1 (0.8-1.5)	0.8 (0.5-1.2)	0.4 (0.2-0.9)	0.3 (0.1-1.0)	0.1 (0.0-1.0)	0.4 (0.1-2.5)
			ADT	0.0 (0.0-0.0)	0.0 (0.0-0.2)	0.0 (0.0-0.3)	0.2 (0.0-0.5)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.2 (0.0-1.4)
	Depression, anxiety, stress	All men	0.4 (0.2-0.6)	0.6 (0.4-0.9)	0.8 (0.5-1.2)	0.3 (0.1-0.8)	0.4 (0.2-1.0)	0.6 (0.2-1.7)	0.3 (0.0-1.8)	
		None	0.3 (0.2-0.5)	0.5 (0.3-0.8)	0.4 (0.2-0.8)	0.2 (0.1-0.6)	0.2 (0.0-0.8)	0.5 (0.2-1.5)	0.2 (0.0-1.7)	
		RT	0.0 (0.0-0.0)	0.0 (0.0-0.2)	0.0 (0.0-0.2)	0.0 (0.0-0.2)	0.1 (0.0-0.6)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	
		RP	0.1 (0.0-0.2)	0.1 (0.0-0.3)	0.3 (0.1-0.6)	0.0 (0.0-0.0)	0.1 (0.0-0.6)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	
		ADT	0.0 (0.0-0.0)	0.0 (0.0-0.2)	0.0 (0.0-0.2)	0.0 (0.0-0.2)	0.0 (0.0-0.2)	0.2 (0.0-1.1)	0.2 (0.0-1.1)	
	Other	All men	2.1 (1.7-2.5)	2.2 (1.8-2.8)	2.7 (2.1-3.5)	2.7 (2.0-3.7)	2.3 (1.5-3.4)	1.7 (0.9-3.2)	3.4 (1.9-6.1)	
		None	1.9 (1.5-2.3)	1.9 (1.5-2.4)	2.1 (1.5-2.7)	2.0 (1.4-2.9)	1.2 (0.7-2.1)	0.8 (0.3-2.0)	1.9 (0.8-4.1)	
		RT	0.1 (0.0-0.2)	0.1 (0.0-0.3)	0.1 (0.0-0.4)	0.1 (0.0-0.5)	0.1 (0.0-0.7)	0.3 (0.1-1.2)	0.3 (0.0-2.4)	
		RP	0.1 (0.0-0.3)	0.2 (0.1-0.4)	0.5 (0.3-0.9)	0.5 (0.2-1.0)	0.9 (0.5-1.8)	0.6 (0.2-1.8)	1.1 (0.4-3.0)	
		ADT	0.0 (0.0-0.0)	0.1 (0.0-0.2)	0.0 (0.0-0.3)	0.1 (0.0-0.4)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	

Supplementary Table 6 cont.

State			Secondary treatment*	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
RP	Sick leave	All-cause	All men	4.7 (4.3-5.2)	3.5 (3.1-4.0)	3.0 (2.6-3.5)	3.5 (3.0-4.1)	3.9 (3.3-4.7)	3.6 (2.8-4.5)	3.8 (2.9-5.1)
			None	4.0 (3.6-4.4)	2.8 (2.4-3.2)	2.3 (1.9-2.8)	2.7 (2.3-3.3)	2.9 (2.4-3.6)	2.8 (2.1-3.6)	2.9 (2.1-4.0)
			RT	0.7 (0.6-0.9)	0.6 (0.4-0.8)	0.5 (0.3-0.7)	0.6 (0.4-0.9)	0.6 (0.4-1.0)	0.6 (0.3-1.0)	0.4 (0.2-0.9)
			ADT	0.0 (0.0-0.1)	0.2 (0.1-0.3)	0.2 (0.1-0.4)	0.2 (0.1-0.4)	0.4 (0.2-0.7)	0.2 (0.1-0.5)	0.5 (0.3-1.1)
	Prostate cancer	All men	All men	2.6 (2.3-3.0)	0.8 (0.6-1.1)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.3 (0.2-0.6)	0.2 (0.1-0.6)	0.6 (0.3-1.2)
			None	2.0 (1.7-2.3)	0.4 (0.3-0.6)	0.2 (0.1-0.3)	0.1 (0.0-0.2)	0.1 (0.0-0.3)	0.0 (0.0-0.0)	0.0 (0.0-0.0)
			RT	0.6 (0.5-0.8)	0.3 (0.2-0.5)	0.1 (0.1-0.3)	0.1 (0.1-0.3)	0.1 (0.0-0.4)	0.1 (0.0-0.4)	0.2 (0.0-0.6)
			ADT	0.0 (0.0-0.1)	0.1 (0.1-0.2)	0.1 (0.1-0.3)	0.1 (0.0-0.2)	0.1 (0.1-0.4)	0.1 (0.0-0.4)	0.4 (0.2-0.9)
	Depression, anxiety, stress	All men	All men	0.4 (0.3-0.5)	0.5 (0.3-0.7)	0.5 (0.3-0.7)	0.6 (0.4-0.9)	0.8 (0.5-1.2)	0.6 (0.4-1.1)	0.7 (0.3-1.3)
			None	0.4 (0.3-0.5)	0.4 (0.3-0.6)	0.4 (0.3-0.6)	0.5 (0.3-0.8)	0.7 (0.4-1.1)	0.6 (0.3-1.0)	0.6 (0.3-1.2)
			RT	0.0 (0.0-0.1)	0.1 (0.0-0.2)	0.1 (0.0-0.2)	0.1 (0.0-0.3)	0.1 (0.0-0.3)	0.1 (0.0-0.4)	0.1 (0.0-0.5)
			ADT	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.2)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)
	Other	All men	All men	1.7 (1.5-2.0)	2.2 (1.9-2.6)	2.1 (1.8-2.6)	2.7 (2.2-3.2)	2.9 (2.3-3.5)	2.7 (2.1-3.5)	2.6 (1.8-3.6)
			None	1.7 (1.4-2.0)	1.9 (1.6-2.3)	1.8 (1.4-2.2)	2.2 (1.8-2.7)	2.2 (1.7-2.8)	2.2 (1.6-3.0)	2.3 (1.5-3.3)
			RT	0.1 (0.0-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.5)	0.4 (0.2-0.6)	0.4 (0.2-0.7)	0.4 (0.2-0.8)	0.2 (0.0-0.6)
			ADT	0.0 (0.0-0.0)	0.1 (0.0-0.2)	0.1 (0.0-0.2)	0.1 (0.0-0.3)	0.2 (0.1-0.5)	0.1 (0.0-0.4)	0.2 (0.0-0.6)

Supplementary Table 6 cont.

State			Secondary treatment*	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
RT	Sick leave	All-cause	All men	6.3 (5.2-7.7)	6.0 (4.7-7.5)	4.5 (3.3-6.0)	5.0 (3.6-7.0)	4.3 (2.8-6.5)	4.9 (3.0-7.9)	6.6 (3.7-11.2)
			None	6.1 (5.0-7.5)	5.8 (4.6-7.3)	4.2 (3.0-5.7)	4.5 (3.2-6.4)	3.7 (2.4-5.8)	3.7 (2.1-6.4)	4.9 (2.6-9.3)
			ADT	0.2 (0.1-0.6)	0.2 (0.0-0.7)	0.3 (0.1-1.0)	0.5 (0.2-1.5)	0.5 (0.1-1.9)	1.2 (0.4-3.1)	1.6 (0.6-4.7)
	Prostate cancer	All men	All men	3.3 (2.4-4.3)	1.2 (0.7-1.9)	0.6 (0.3-1.4)	0.5 (0.2-1.4)	0.7 (0.2-1.9)	0.6 (0.1-2.3)	0.4 (0.1-3.2)
			None	3.3 (2.4-4.3)	1.1 (0.6-1.8)	0.3 (0.1-1.0)	0.4 (0.1-1.3)	0.3 (0.1-1.3)	0.0 (0.0-0.0)	0.0 (0.0-0.0)
			ADT	0.0 (0.0-0.0)	0.1 (0.0-0.6)	0.4 (0.1-1.1)	0.1 (0.0-0.8)	0.2 (0.0-1.6)	0.6 (0.1-2.3)	0.3 (0.0-2.1)
	Depression, anxiety, stress	All men	All men	0.3 (0.1-0.8)	0.5 (0.3-1.2)	0.7 (0.3-1.4)	1.2 (0.6-2.2)	0.4 (0.1-1.7)	0.3 (0.0-2.1)	2.0 (0.7-5.2)
			None	0.3 (0.1-0.8)	0.5 (0.3-1.2)	0.7 (0.3-1.4)	1.2 (0.6-2.2)	0.4 (0.1-1.7)	0.3 (0.0-2.1)	1.6 (0.5-4.8)
			ADT	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.4 (0.1-2.7)
	Other	All men	All men	2.7 (2.0-3.7)	4.2 (3.2-5.6)	3.1 (2.2-4.5)	3.3 (2.2-5.0)	3.2 (2.0-5.2)	4.0 (2.4-6.9)	4.1 (2.0-8.3)
			None	2.5 (1.8-3.4)	4.1 (3.1-5.5)	3.1 (2.2-4.5)	2.9 (1.9-4.5)	2.9 (1.8-4.9)	3.4 (1.9-6.1)	3.5 (1.6-7.4)
			ADT	0.2 (0.1-0.6)	0.1 (0.0-0.6)	0.0 (0.0-0.0)	0.4 (0.1-1.3)	0.3 (0.1-1.3)	0.6 (0.2-2.4)	0.7 (0.1-4.3)

Abbreviations: ADT, androgen deprivation therapy; AS, active surveillance; RT, radiotherapy; RP, radical prostatectomy

* RP includes men treated with RP +/- RT and ADT includes men treated with ADT +/- RT/RP