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Table S1a) Multivariable regression analysis with the wish for shared decision making as dependent variable, stratified by treatment

	RP(n= 2275)		RAD(n= 1281)		AS(n= 1507)	
	OR(CI)	p-value	OR(CI)	p-value	OR(CI)	p-value
Age at survey						
≥70	1		1		1	
60-69	1.04(0.77,1.39)	0.803	1.66(1.19,2.33)	0.003	1.62(1.20,2.17)	<0.001
<60	1.34(0.91,1.99)	0.140	1.65(0.64,4.23)	0.297	3.47(2.14,5.63)	<0.001
Previous cancer						
No	1		1		1	
Yes	0.66(0.42,1.03)	0.069	1.06(0.70,1.61)	0.780	0.75(0.48,1.18)	0.190
ECOG						
0	1		1		1	
1-3	0.72 (0.47,1.10)	0.130	0.99(0.72,1.38)	0.975	0.93(0.62,1.39)	0.723
Risk group						
Low	1		1		1,00	
Intermediate	0.45(0.16,1.31)	0.145	0.78(0.19,3.22)	0.733	1.90(1.38,2.61)	<0.001
High	0.43(0.15,1.22)	0.114	0.94(0.23,3.79)	0.929	1.11(0.72,1.73)	0.636
Education						
Primary school	1		1		1	
Secondary school	1.17(0.82,1.68)	0.381	1.52(1.08,2.16)	0.018	1.71(1.17,2.49)	0.006
University degree	2.22(1.53,3.22)	<0.001	3.41(2.36,4.93)	<0.001	3.41(2.31,5.03)	<0.001
Marital status						
Married/ cohabitating	1		1		1	
Single	0.71(0.51,0.98)	0.035	0.79(0.56,1.12)	0.192	0.72(0.52,1.01)	0.061

Table S1b) Multivariable regression analysis with the experience of shared decision making as dependent variable, stratified by treatment

	RP(n= 1876)		RAD(n= 921)		AS(n= 1129)	
	OR(CI)	p-value	OR(CI)	p-value	OR(CI)	p-value
Age at survey						
≥70	1		1		1	
60-69	0.87(0.65,1.16)	0.332	1.19(0.89,1.60)	0.234	1.43(1.10,1.85)	0.008
<60	0.81(0.57,1.16)	0.259	1.83(0.78,4.28)	0.165	2.45(1.67,3.61)	<0.001
Previous cancer						
No	1		1		1	
Yes	0.64(0.42,0.98)	0.042	1.18(0.81,1.71)	0.399	0.69(0.46,1.04)	0.075
ECOG						
0	1		1		1	
1-3	0.86(0.56,1.31)	0.469	0.96(0.72,1.29)	0.797	0.78(0.54,1.12)	0.174
Risk group						
Low	1		1		1	
Intermediate	0.57(0.23,1.37)	0.208	0.57(0.14,2.31)	0.428	1.57(1.20,2.06)	<0.001
High	0.51(0.21,1.21)	0.126	0.58(0.14,2.30)	0.434	1.03(0.70,1.53)	0.869
Education						
Primary school	1		1		1	
Secondary school	0.87(0.61,1.24)	0.376	1.15(0.82,1.61)	0.417	1.39(0.97,1.99)	0.075
University degree	1.87(1.29,2.70)	<0.001	2.11(1.50,2.96)	<0.001	2.27(1.60,3.21)	<0.001
Marital status						
Married/ cohabitating	1		1		1	
Single	0.67(0.50,0.91)	0.009	0.79(0.57,1.09)	0.146	0.77(0.57,1.05)	0.098

Abbreviations; *SDMexp*, Experienced shared decision-making; *OR(CI)*, odds ratio (confidence interval); *RP*, Radical prostatectomy; *RAD*, Radiotherapy

Table S2 Patient characteristics of all non-metastatic PCa patients <90 years (Diagnosed 2017-2019): Difference between 1-year responders and all men diagnosed with non-metastatic PCa

	PCa patients, n=13463	Responders, n= 5063	Difference, n= 8400
Age			
All (mean, SD)	68.8	67.5	1.3
<60	1846 (14%)	697 (14%)	1149 (14%)
60-69	5142 (38%)	2261 (45%)	2880 (34%)
>70	6475 (48%)	2105 (41%)	4370 (52%)
Previous cancer			
No	10919 (81%)	4601 (91%)	6318 (75%)
Yes	2544 (19%)	462 (9%)	2082 (25%)
ECOG			
0	8742 (80%)	3769 (87%)	4973 (76%)
≥1	2120 (20%)	558 (13%)	1562 (24%)
Risk group			
Low	2094 (19%)	904 (20%)	1190 (18%)
Intermediate	3663 (33%)	1547 (34%)	2116 (32%)
High	5441 (48%)	2092 (46%)	3349 (50%)