

Hahlweg et al.
Cancer patients' preferred and perceived level of involvement in treatment decision-making

Supplementary material A. Significant and non-significant associations of preferred and perceived level of involvement with demographic and clinical characteristics.

		Complete data set		CPS					SDM-Q-9				
					Physician-led ^a	Shared ^b	Patient-led ^c			Low ^d	Intermediate ^e	High ^f	
		N (%)	N (%)	N (%)	N (%)	N (%)	N (%)	p-Value ^g	N (%)	N (%)	N (%)	N (%)	p-Value ^g
Total		4020	3356	936 (27.9)	1221 (36.4)	1199 (35.7)	NA		3595	840 (23.4)	934 (26.0)	1821 (50.7)	NA
Sex		4020	3356						3595				
	Female	2068 (51.4)	1728 (51.5)	460 (26.6)	669 (38.7)	599 (34.7)		0.014	1832 (51.0)	494 (27.0)	507 (27.7)	831 (45.4)	<0.001
	Male	1952 (48.6)	1628 (48.5)	476 (29.2)	552 (33.9)	600 (36.9)			1763 (49.0)	346 (19.6)	427 (24.2)	990 (56.2)	
Relationship status		3600	3166						3378				
	No	696 (19.3)	588 (18.6)	167 (28.4)	206 (35.0)	215 (36.6)		0.751	648 (19.2)	179 (27.6)	184 (28.4)	285 (44.0)	<0.001
	Yes	2904 (80.7)	2578 (81.4)	702 (27.2)	943 (36.6)	933 (36.2)			2730 (80.8)	604 (22.1)	685 (25.1)	1441 (52.8)	
Education		3999	3339						3577				
	Low ^h	1244 (31.1)	969 (29.0)	311 (32.1)	340 (35.1)	318 (32.8)		<0.001	1139 (31.8)	253 (22.2)	264 (23.2)	622 (54.6)	0.044
	Intermediate ⁱ	1191 (29.8)	1075 (32.2)	309 (28.7)	428 (39.8)	338 (31.4)			1130 (31.6)	268 (23.7)	322 (28.5)	540 (47.8)	
	High ^j	1564 (39.1)	1295 (38.8)	308 (23.8)	447 (34.5)	540 (41.7)			1308 (36.6)	314 (24.0)	346 (26.5)	648 (49.5)	
Tumor entity		4020	3356						3595				
	Breast ^k	906 (22.5)	758 (22.6)	202 (26.6)	293 (38.7)	263 (34.7)		<0.001	808 (22.5)	203 (25.1)	234 (29.0)	371 (45.9)	<0.001
	Digestive organs ^l	790 (19.7)	661 (19.7)	218 (33.0)	239 (36.2)	204 (30.9)			702 (19.5)	166 (23.6)	187 (26.6)	349 (49.7)	
	Male genital organs ^m	677 (16.8)	575 (17.1)	126 (21.9)	192 (33.4)	257 (44.7)			628 (17.5)	83 (13.2)	112 (17.8)	433 (68.9)	
	Respiratory and intrathoracic organs ⁿ	359 (8.9)	278 (8.3)	83 (29.9)	99 (35.6)	96 (34.5)			304 (8.5)	72 (23.7)	85 (28.0)	147 (48.4)	
	Female genital organs ^o	317 (7.9)	262 (7.8)	69 (26.3)	105 (40.1)	88 (33.6)			282 (7.8)	78 (27.7)	81 (28.7)	123 (43.6)	
	Diseases of the blood and blood-forming organs ^p	305 (7.6)	268 (8.09)	83 (31.0)	107 (39.9)	78 (29.1)			281 (7.8)	75 (26.7)	81 (28.8)	125 (44.5)	
	Other ^q	666 (16.6)	554 (16.5)	155 (28.0)	186 (33.6)	213 (38.4)			590 (16.4)	163 (27.6)	154 (26.1)	273 (46.3)	
Disease status		3888	3246						3476				
	Complete remission	1581 (40.7)	1358 (41.8)	345 (25.4)	514 (37.8)	499 (36.7)		0.010	1433 (41.2)	366 (25.5)	360 (25.1)	707 (49.3)	0.054
	Partial remission	484 (12.4)	406 (12.5)	122 (30.0)	135 (33.3)	149 (36.7)			436 (12.5)	91 (20.9)	127 (29.1)	218 (50.0)	
	Progressive disease	683 (17.6)	543 (16.7)	167 (30.8)	180 (33.1)	196 (36.1)			595 (17.1)	137 (23.0)	155 (26.1)	303 (50.9)	
	Stable disease	361 (9.3)	309 (9.5)	78 (25.2)	137 (44.3)	94 (30.4)			324 (9.3)	85 (26.2)	77 (23.8)	162 (50.0)	
	Inconclusive	779 (20.0)	630 (19.4)	193 (30.6)	219 (34.8)	218 (34.6)			688 (19.8)	133 (19.3)	180 (26.2)	375 (54.5)	
UICC tumor stage		3960	3309						3545				
	0	44 (1.1)	38 (1.1)	12 (31.6)	10 (26.3)	16 (42.1)		0.397	40 (1.1)	11 (27.5)	8 (20.0)	21 (52.5)	0.545
	1	539 (13.6)	458 (13.8)	120 (26.2)	171 (37.3)	167 (36.5)			484 (13.7)	115 (23.8)	135 (27.9)	234 (48.3)	
	2	700 (17.7)	591 (17.9)	140 (23.7)	229 (38.7)	222 (37.6)			624 (17.6)	141 (22.6)	152 (24.4)	331 (53.0)	
	3	546 (13.8)	462 (14.0)	139 (30.1)	168 (36.4)	155 (33.5)			499 (14.1)	101 (20.2)	127 (25.5)	271 (54.3)	
	4	889 (22.4)	707 (21.4)	207 (29.3)	255 (36.1)	245 (34.7)			777 (21.9)	193 (24.8)	208 (26.8)	376 (48.4)	
	Inconclusive	1242 (31.4)	1053 (31.8)	306 (29.1)	372 (35.3)	375 (35.6)			1121 (31.6)	266 (23.7)	293 (26.1)	562 (50.1)	
Treatment intention		3881	3244						3469				
	Curative	2396 (61.7)	2051 (63.2)	532 (25.9)	757 (36.9)	762 (37.2)		0.020	2171 (62.6)	508 (23.4)	536 (24.7)	1127 (51.9)	0.353
	Palliative	926 (23.9)	726 (22.4)	219 (30.2)	260 (35.8)	247 (34.0)			805 (23.2)	190 (23.6)	226 (28.1)	389 (48.3)	
	Inconclusive	559 (14.4)	467 (14.4)	152 (32.5)	165 (35.3)	150 (32.1)			493 (14.2)	114 (23.1)	132 (26.8)	247 (50.1)	
Health care setting		4020	3356						3595				
	inpatient	1735 (43.2)	1418 (42.3)	407 (28.7)	472 (33.3)	539 (38.0)		0.003	1524 (42.4)	298 (19.6)	372 (24.4)	854 (56.0)	<0.001
	outpatient	1324 (32.9)	1110 (33.1)	325 (29.3)	417 (37.6)	368 (33.2)			1192 (33.2)	307 (25.8)	327 (27.4)	558 (46.8)	
	rehabilitation facility	961 (23.9)	828 (24.7)	204 (24.6)	332 (40.1)	292 (35.3)			879 (24.5)	235 (26.7)	235 (26.7)	409 (46.5)	

Notes: Bonferroni-corrected level of significance = 0.0025; CPS: Control Preferences Scale; SDM-Q-9: 9-item Shared Decision-Making Questionnaire; NA: not applicable; N: sample size; ^a category D or E on CPS; ^b category C on CPS; ^c category A or B on CPS; ^d SDM-Q-9 sum score ≤ 33; ^e 34 ≤ SDM-Q-9 sum score ≤ 66; ^f SDM-Q-9 sum score ≥ 67; ^g p-value for chi2-test (Pearson's chi2-test was calculated for sex, relationship status, occupational status, setting, tumor entity, disease status, UICC tumor stage, and treatment intention; Mantel-Haenszel linear-by-linear association chi2-test was calculated for education); ^h graduation after less than 10 years at school; ⁱ graduation after 10 or 11 years at school; ^j graduation after more than 11 years at school; ^k ICD-10: C50; ^l ICD-10: C15-C26; ^m ICD-10: C60-C63; ⁿ ICD-10: C30-C39; ^o ICD-10: C51-C58; ^p ICD-10: C81-C96; ^q ICD-10: C00-C14, C40-C49, C64-C80, D33, D46, D47, D60.