

Evidence Table 20. Outcomes related to cancer in studies addressing intermediate outcomes

Study, Year	Outcomes Measure	Unit	Description of Intervention	n Final Control	Control Outcome Measure at Baseline	Control Outcome Measure at Final	Control Change Intervention Change	Change Difference Final Difference	P-Value
				n Final Intervention	Intervention Outcome Measure at Baseline	Intervention Outcome Measure at Final		Final Difference	
Frosch, 2008 ¹	Total knowledge score/imputed data	Score unit	Traditional didactic decision aid providing information about prostate-specific antigen (PSA) screening options and outcomes vs. Links to public prostate cancer-specific Web sites from credible sources	116		7.24			0.005
				155		8.14		0.9	
	Total knowledge score/complete cases only	Score unit	Traditional didactic decision aid providing information about prostate-specific antigen (PSA) screening options and outcomes vs. Links to public prostate cancer-specific Web sites from credible sources	99		7.49			0.001
119					8.65		1.16		
	Total knowledge	Score unit	Chronic disease	116		7.24			0.005

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				n Final Intervention	Intervention Outcome Measure at Baseline	Intervention Outcome Measure at Final			
	score/imputed data		trajectory model for prostate cancer followed by a time-trade-off exercise vs. Links to public prostate cancer-specific Web sites from credible sources	153		7.69		0.45	
	Total knowledge score/complete cases only	Score unit	Chronic disease trajectory model for prostate cancer followed by a time-trade-off exercise vs. Links to public prostate cancer-specific Web sites from credible sources	99		7.49			0.001
				115		8.03		0.54	
	Total knowledge score/imputed data	Score unit	Both the didactic decision aid and the chronic disease trajectory model vs. Links to public prostate cancer-specific Web sites from credible sources	116		7.24			0.005
				152		7.71		0.47	
	Total knowledge	Score unit	Both the didactic	99		7.49			0.001

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	score/complete cases only		decision aid and the chronic disease trajectory model vs. Links to public prostate cancer-specific Web sites from credible sources	117		8.03		0.54	
	PSA screening: Pretest choice	% of patients with outcome	Traditional didactic decision aid providing information about prostate-specific antigen (PSA) screening options and outcomes vs. Links to public prostate cancer-specific Web sites from credible sources	116		96			**SNR
				155		95.5		-0.5	
	PSA screening: Reduction	% of patients with outcome	Traditional didactic decision aid providing information about prostate-specific antigen (PSA) screening options and outcomes vs. Links to public prostate cancer-specific Web sites from credible sources	116		3.3			0.047
				155		9.1		5.8	
	Watchful waiting	% of	Traditional	116		34.4			0

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	at pretest	patients with outcome	didactic decision aid providing information about prostate-specific antigen (PSA) screening options and outcomes vs. Links to public prostate cancer-specific Web sites from credible sources	155		34.2		-0.2	
	PSA screening: Pretest choice	% of patients with outcome	Chronic disease trajectory model for prostate cancer followed by a time-trade-off exercise vs. Links to public prostate cancer-specific Web sites from credible sources	116		96			**SNR
				153		96.7		0.7	
	PSA screening: Reduction	% of patients with outcome	Chronic disease trajectory model for prostate cancer followed by a time-trade-off exercise vs. Links to public prostate cancer-specific Web sites from credible sources	116		3.3			0.047
				153		8.7		5.4	
	Watchful waiting	% of	Chronic disease	116		34.4			0

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				n Final Intervention	Intervention Outcome Measure at Baseline	Intervention Outcome Measure at Final		Final Difference	
	at pretest	patients with outcome	trajectory model for prostate cancer followed by a time-trade-off exercise vs. Links to public prostate cancer-specific Web sites from credible sources	153		34		-0.4	
	PSA screening: Pretest choice	% of patients with outcome	Both the didactic decision aid and the chronic disease trajectory model vs. Links to public prostate cancer-specific Web sites from credible sources	116		96			**SNR
				152		96.7		0.7	
	PSA screening: Reduction	% of patients with outcome	Both the didactic decision aid and the chronic disease trajectory model vs. Links to public prostate cancer-specific Web sites from credible sources	116		3.3			0
				152		5.3		2	
	Watchful waiting	% of	Both the didactic	116		34.4			0

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	at pretest	patients with outcome	decision aid and the chronic disease trajectory model vs. Links to public prostate cancer-specific Web sites from credible sources	152		40.8		6.4	
Gaertner,2004 ²	Patient satisfaction	Score unit	Use of electronic pain diary vs. Paper diary	24		8			<0.001
				24		10		2	
	Patient preference for electronic diary (%)	% of patients with outcome	Use of electronic pain diary vs. Paper diary	24		17			
				24		83		56	
	Health care support	% of patients with outcome	Use of electronic pain diary vs. Paper diary	24		17			
				24		62		45	
Glazebrook, 2006 ³	Melanoma knowledge score (0-12)	Score unit	Skinsafe multimedia intervention (for melanoma knowledge protective skin behaviors) vs. No intervention	245	2.75	3.03	0.28	0.53	
				214	2.9	3.71	0.81	0.68	
	Skin protective behavior score (0-12)	Score unit	Skinsafe multimedia intervention (for melanoma knowledge protective skin behaviors) vs. No intervention	245	4.66	5.06	0.4	0.36	
				214	4.6	5.36	0.76	0.3	

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				n Final Intervention	Intervention Outcome Measure at Baseline	Intervention Outcome Measure at Final			
	Number of participants checking moles	% of patients with outcome	Skinsafe multimedia intervention (for melanoma knowledge protective skin behaviors) vs. No intervention	245		65.7			0.035
				214		61.9		-3.8	
Maslin, 1998 ⁴	Viewing interactive video disk had impact on surgical choice	% of patients with outcome	Intervention -- interactive video disk system + usual care from multidisciplinary team vs. Usual care from multidisciplinary team	49		no Data			0
				51		12.5		*insufficient data	
	Viewing interactive video disk had impact on adjuvant therapy choice	% of patients with outcome	Intervention -- interactive video disk system + usual care from multidisciplinary team vs. Usual care from multidisciplinary team	49		no Data			0
				51		14.2		*insufficient data	
Ruland, 2003 ⁵	Congruence between patient-reported symptoms and those addressed in consult visit	% of patients with outcome	Used computerized system for shared decision making for cancer symptoms care vs. Usual care	25		2.84			<0.01
				27		7.63		4.79	

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	Importance-weighted congruence between patient-reported symptoms and those addressed in consult visit	Congruence	Used computerized system for shared decision making for cancer symptoms care vs. Usual care	25		12.8			<0.01
27					33		20.2		
Taenzer, 2000 ⁶	Actions taken/-patient	Actions	Lung cancer patients whose physicians and nurses received Quality-of-Life training and patients completed the computerized European Organization For Research And Treatment Of Cancer QLQ-C30 vs. Patients completed a paper-and pencil version of the European Organization For Research And Treatment Of Cancer QLQ-C30 only	26		0.5			0
				27		0.8		0.3	
	% of categories	% of	Lung cancer	26		64.7			0

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				n Final Intervention	Intervention Outcome Measure at Baseline	Intervention Outcome Measure at Final		Intervention Change	
	identified that were acted upon	categories	patients whose physicians and nurses received Quality-of-Life training and patients completed the computerized European Organization For Research And Treatment Of Cancer QLQ-C30 vs. Patients completed a paper-and pencil version of the European Organization For Research And Treatment Of Cancer QLQ-C30 only	27		73		8.3	

**SNR: Significance not reported

P-value of 0 = p-value > 0.10

EORTC QLQ: European Organization for Research and Treatment of Cancer Quality of Life Questionnaire, PSA: Prostate-specific antigen.

Reference List

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- 2 Gaertner J, Elsner F, Pollmann-Dahmen K, Radbruch L, Sabatowski R. Electronic pain diary: a randomized crossover study. *J Pain Symptom Manage* 2004; 28(3):259-67.
- 3 Glazebrook C, Garrud P, Avery A, Coupland C, Williams H. Impact of a multimedia intervention "Skinsafe" on patients' knowledge and protective behaviors. *Preventive Medicine* 2006; 42(6):449-54.
- 4 Maslin A, Baum M, Walker J, A'Hern R, Prouse A. Shared decision-making using an interactive video disk system for women with early breast cancer... including commentary by Beaver K. *NT Research* 1998; 3(6):444-55.
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- 6 Taenzer P, Bultz BD, Carlson LE *et al.* Impact of computerized quality of life screening on physician behaviour and patient satisfaction in lung cancer outpatients. *Psychooncology* 2000; 9(3):203-13.