MULTIMEDIA APPENDIX 4

Model of the effect of interactivity on competence.

Endogenous variable	*Standardized Disturbance*	*Explained Variance (R^2)*		
Competence T2	.51	.49		
HO T2	.50	.50		

Measurement model	*Loading*	*Reliability*		
L Competence T1 to Item1 T1	.85	.72		
L Competence T1 to Item2 T1	.89	.79		
L Competence T1 to Item3 T1	.57	.32		
L Competence T2 to Item1 T2	.86	.73		
L Competence T2 to Item2 T2	.93	.86		
L Competence T2 to Item3 T2	.61	.37		

Structural model

Effects	*B*	*P value*	*B 95% CI*	*b*
Competence T1 to Competence T2	.61	< .001	.44 to .77	.68
Age to Competence T2	-.016	.06	-.03 to .007	-.11
YD to Competence T2	-.02	.10	-.06 to .01	-.10
HO T1 to HO T2	.67	< .001	.56 to .78	.68
Competence T2 to HO T2	-.14	.08	-.29 to .02	-.10
Mean differences				
G1 vs. G2	-.09	.71	-.50 to .42	-
G1 vs. G3	.09	.39	-.27 to .47	-
G2 vs. G3	.18	.24	-.27 to .60	-

Notes:
PT = product-term, T1 = pre-test, T2 = post-test, YD = years since first diagnosis, HO = health outcomes, G1/G2/G3 = experimental groups, B = unstandardized coefficient, b = standardized coefficient, CI = confidence interval.
Bollen-Stine p-value = .09; CFI = .978; RMSEA = .051; p-value for close fit = .445; Standardized RMR = .043. No theoretically meaningful modification indices > 4 and no values > 1.96 in the standardized residuals covariance matrix.