

**Supplementary Table S1** eHEALS of response rates (N=388)

<b>Item</b>	<b>Response 1</b>	<b>Response 2</b>	<b>Response 3</b>	<b>Response 4</b>	<b>Response 5</b>	<b>Mean</b>
	<b>Strongly disagree</b>	<b>Disagree</b>	<b>Undecided</b>	<b>Agree</b>	<b>Strongly agree</b>	<b>(SD)</b>
eHEALS1: I know how to find helpful health resources on the Internet (n=378).	10	27	110	102	129	3.83 (1.06)
eHEALS2: I know how to use the Internet to answer health questions (n=382).	10	9	21	157	185	4.30 (0.88)
eHEALS3: I know what health resources are available on the Internet (n=379).	16	32	41	115	175	4.06 (1.13)
eHEALS4: I know where to find helpful health resources on the Internet (388).	24	36	58	110	160	3.89 (1.22)
eHEALS5: I know how to use the health information found on the Internet to help me (n=380).	19	25	75	147	114	3.82 (1.08)
eHEALS6: I have the skills to evaluate the health resources found on the Internet (n=371).	29	68	109	127	38	3.21 (1.10)
eHEALS7: I can tell high quality from low quality	22	38	142	89	93	3.50

health resources on the Internet (n=384).							(0.89)
eHEALS8: I feel confident in using information	20	41	80	149	90		3.65
from the Internet to make decisions (n=380).							(1.11)

**Supplementary Table S2** Concurrent validity of the eHealth Literacy Scale using a multiple regression model

Criterion	B (SE)	$\beta$ (p-value)	95% CI	
			Lower	Upper
Depression <sup>a</sup>	-0.08 (0.03)	-0.12 (0.007)	-0.15	-0.02
Anxiety <sup>a</sup>	-0.09 (0.03)	-0.14 (0.009)	-0.16	-0.02
PCS <sup>b</sup>	0.03 (0.01)	0.14 (0.002)	0.005	0.06
MCS <sup>b</sup>	0.04 (0.01)	0.19 (<0.001)	0.02	0.06
Adherence to regimen <sup>c</sup>	0.22 (0.08)	0.13 (0.005)	0.05	0.38
Consulting behavior <sup>c</sup>	0.12 (0.06)	0.10 (0.045)	0.001	0.24
Medication adherence <sup>d</sup>	0.07 (0.01)	0.30 (<0.001)	0.05	0.09

The results were adjusted for age, gender, **years of education** and New York Heart

Association (NYHA) classification.

PCS= physical-health composite score; MCS= mental-health composite score

<sup>a</sup> Measured using Hospital Anxiety and Depression Scale

<sup>b</sup> Measured using Short-Form 12

<sup>c</sup> Measured using 9-item European Heart Failure Self-care Behavior Scale (EHFScB-9)

<sup>d</sup> Measured using 5-Item Medication Adherence Report Scale (MARS-5)

**Supplementary Table S3** Measurement invariance across gender and across NYHA classification groups through confirmatory factor analysis.

Model and comparisons	Fit statistics							
	$\chi^2$ (df)	$\Delta\chi^2$ ( $\Delta$ df)	CFI	$\Delta$ CFI	SRMR	$\Delta$ SRMR	RMSEA	$\Delta$ RMSEA
<b>Gender</b>								
M1: Configural	78.197 (40)*		0.972		0.041		0.055	
M2: Plus all loadings constrained	80.736 (48)*		0.975		0.039		0.047	
M3: Plus all intercepts constrained	85.031 (56)*		0.977		0.038		0.045	
M2–M1		2.539 (8)		0.003		-0.002		-0.008
M3–M2		4.295 (8)		0.002		-0.001		-0.002
<b>NYHA classification<sup>a</sup></b>								
M1: Configural	49.182 (40)		0.983		0.039		0.035	
M2: Plus all loadings constrained	61.910 (48)*		0.975		0.042		0.040	
M3: Plus all intercepts constrained <sup>b</sup>	66.351 (56)*		0.981		0.040		0.037	
M2–M1		12.728 (8)		-0.008		0.003		0.005
M3–M2		4.441 (8)		0.006		-0.002		-0.003

\*p&lt;0.05

M1 = Model 1, a configural model; M2 = Model 2, a model based on M1 with all factor loadings constrained being equal across groups; M3 = Mode 3, a model based on M2 with all item intercepts constrained being equal across groups.

NYHA= New York Heart Association; CFI = comparative fit index; SRMR = standardized root mean square residual; RMSEA = root mean square error of approximation