

Table S1. Characteristics of Expert Panel in the Process of Item Discussion

No.	Age	Field	Apartment	Titles	Degree	Working Seniority
A	52	Cancer Nursing	Oncology	Professor	MS	25
B	41	Cancer Nursing	Radiology	Associate Professor	PhD	18
C	43	Cancer Nursing	Cancer Center	Associate Professor	PhD	15
D	45	Cancer Nursing	Cancer Center	Professor	PhD	19
E	44	Clinical Oncology	Gastrointestinal Oncology	Associate Professor	MS	15
F	45	Clinical Oncology	Head and Neck Oncology	Associate Professor	MD	17
G	51	Clinical Oncology	Urology Oncology	Professor	MD	22
H	49	Palliative Care	Oncology	Professor	MS	22
I	45	Palliative Care	Oncology	Professor	MS	17
J	41	Palliative Care	Oncology	Associate Professor	MD	16
K	58	Clinical Psychology	University	Professor	MS	26
L	52	Clinical Psychology	University	Professor	PhD	20
M	54	Clinical Psychology	University	Professor	PhD	18
N	42	Psychometrics	University	Associate Professor	PhD	14
O	47	Psychometrics	University	Professor	PhD	19

Table S2. RS-SC after Two Rounds Discussion of Expert Panel.

No.	Description	CVI	K	CVI	K
		(First round)	(First round)	(Second round)	(Second round)
1	Tend to bounce back after illness or injuries	1.00	1.00	0.93	0.93
2	Have sense of responsibility	0.93	0.93	1.00	1.00
3	Have a clear goal in my life	0.93	0.93	0.93	0.93
4	Proud of my achievements	0.80	0.80	1.00	1.00
5	Like challenges	0.73	0.72	0.93	0.93
6	Can handle emotional distress	1.00	1.00	0.93	0.93
7	Can adapt to changes in my surroundings	0.87	0.87	0.87	0.87
8	Can depend on others when in trouble	0.73	0.72	0.87	0.87
9	Able to control my life	0.80	0.80	0.93	0.93
	When you are faced by cancer,				
10	The disease teaches me something	0.73	0.72	0.87	0.87
11	Try to see the good side	1.00	1.00	1.00	1.00
12	Adapt to things cannot be changed	0.80	0.80	1.00	1.00
13	The disease teaches me how to take the responsibility	0.87	0.87	0.93	0.93
14	The disease helps me find the meaning of life	0.93	0.93	0.93	0.93
15	I believe that good fortune will come after surviving a disaster	0.73	0.72	0.73	0.72
16	I am stronger than imagined	0.80	0.80	0.80	0.80
17	Pay more attention to family	0.73	0.72	0.73	0.72
18	Accept things more easily	0.87	0.87	0.87	0.87
19	Show more empathy for others	0.80	0.80	0.80	0.80
20	Able to handle side effects of treatment	0.87	0.87	0.87	0.87

21	Can share happiness and sorrow with friends	0.93	0.93	0.93	0.93
22	Family will support my decisions	0.80	0.80	0.80	0.80
23	Establish good relationship with other patients, nurses and physicians	0.87	0.87	0.80	0.80
24	Can relieve emotional distress in my own way	0.87	0.87	0.93	0.93
25	Keep doing my hobbies	0.67	0.63	0.87	0.87
26	Take an active part in the group activities	0.67	0.63	0.67	0.63

When you are faced by cancer,

27	Cancer can be cured	0.80	0.80	0.67	0.63
28	Have confidence in the medical techics	0.67	0.63	0.87	0.87
29	Have short and long term goals	0.87	0.87	0.73	0.72
30	Still have many plans for my life	0.80	0.80	0.80	0.80
31	Praise for good deeds	0.93	0.93	0.73	0.72
32	Have a strong sense of purpose for life	0.87	0.87	0.87	0.87
33	Feel the value of myself	0.67	0.63	0.87	0.87
34	Feel the happiness in my life	0.87	0.87	0.93	0.93
35	Everyone should take responsibility for their own life	0.73	0.72	0.73	0.72
36	Everyone has his special destiny	0.67	0.63	0.80	0.80
37	Everyone should pursue something good during life	0.87	0.87	0.73	0.72
38	I can accept that all people are mortal	0.73	0.72	0.87	0.87

Table S3. Velicer Minimum Average Partial(MAP) Test

Root	Average part r sq	Average part r sq
0.00	0.0781	0.0116
1.00	0.0294	0.0036
2.00	0.0263	0.0021
3.00	0.0241	0.0017
4.00	0.0234	0.0014
5.00	0.0232	0.0014
6.00	0.0248	0.0017
7.00	0.0276	0.0019
8.00	0.0307	0.0024
9.00	0.0340	0.0033
10.00	0.0389	0.0041
11.00	0.0441	0.0054
12.00	0.0503	0.0066
13.00	0.0578	0.0093
14.00	0.0674	0.0120
15.00	0.0749	0.0145
16.00	0.0856	0.0182
17.00	0.0972	0.0226
18.00	0.1147	0.0317
19.00	0.1353	0.0430
20.00	0.1706	0.0656
21.00	0.2270	0.1056
22.00	0.3105	0.1797
23.00	0.4796	0.3599
24.00	1.0000	1.0000

Table S4. Item Loadings for Three-factor Model

Item	Factor 1	Factor 2	Factor 3
13	0.697		
16	0.658		<i>0.438</i>
24	0.653	<i>-0.581</i>	
11	0.651		
17	0.641		<i>0.424</i>
20	0.620		
15	0.619		
22	0.590	<i>-0.405</i>	
18	0.569	<i>-0.424</i>	
10	0.501		
7	0.491		<i>0.437</i>
12	0.456		<i>0.421</i>
21		-0.789	
19		-0.754	
9		-0.746	<i>0.477</i>
25	<i>0.469</i>	-0.743	
23	<i>0.535</i>	-0.550	
14		-0.472	
8		-0.454	
4			0.729
2			0.724
6	<i>0.444</i>	<i>0.524</i>	0.670
3			0.668
5	<i>0.403</i>		0.645
1		<i>0.423</i>	0.494

Bolded item loadings indicate the loading factor of the items. Italicized item loadings indicate the cross loadings among the factors.

Table S5. Item Loadings for Four-factor Model

Item	Factor 1	Factor 2	Factor 3	Factor 4
24	0.731	<i>0.414</i>		
25	0.705		<i>0.459</i>	
12	0.701	<i>0.415</i>		<i>0.554</i>
17	0.652		<i>0.440</i>	
15	0.632			
16	0.629		<i>0.439</i>	<i>0.448</i>
23	0.619			
11	0.611		<i>0.527</i>	
13	0.605	<i>0.418</i>		
14	0.590			
21		0.777		
19		0.709		<i>0.446</i>
22	<i>0.478</i>	0.668		
20	<i>0.574</i>	0.627		
4			0.732	
2		<i>0.478</i>	0.719	
3			0.671	
6	<i>0.401</i>		0.669	
5			0.656	
7			0.473	<i>0.450</i>
8		<i>0.514</i>		0.669
18				0.553
1			<i>0.427</i>	0.530
10	<i>0.457</i>			0.471
9		<i>0.401</i>		0.462

Bolded item loadings indicate the loading factor of the items. Italicized item loadings indicate the cross loadings among the factors.

Table S6. Item Loadings for Six-factor Model

Item	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5	Factor 6
12	0.793					<i>-0.460</i>
24	0.660	<i>-0.578</i>				<i>-0.441</i>
10	0.625			<i>0.421</i>		
13	0.613	<i>-0.540</i>				
25	0.588			<i>0.477</i>		<i>-0.578</i>
14	0.535	<i>-0.422</i>				
23	0.490	<i>-0.483</i>			<i>0.427</i>	
21		-0.811				
22		-0.772				
20		-0.760				<i>-0.427</i>
19		-0.691		<i>0.465</i>		
18		-0.558			<i>0.492</i>	
2			0.731			
3	<i>0.476</i>		0.717			
4			0.705	<i>0.436</i>		
6			0.617			<i>-0.440</i>
5	<i>0.434</i>		0.574			<i>-0.562</i>
8				0.802		
1			<i>0.456</i>	0.507		
9					0.707	
11	<i>0.413</i>				0.615	
7			<i>0.441</i>		0.581	
17				<i>0.476</i>		-0.821
15	<i>0.446</i>					-0.762
16					<i>0.453</i>	-0.724

Bolded item loadings indicate the loading factor of the items. Italicized item loadings indicate the cross loadings among the factors.

Table S7. Bivariate Correlations for Resilience, Anxiety, Depression, Self-efficacy, and ALI.

Dimension	Generic Elements	Benefit Finding	Support and Coping	Hope for The Future	Meaning for Existence	RS-SC(Total)
HADS	-.279**	-.345**	-.392**	-.301**	-.472**	-.357**
Anxiety	-.204*	-.168*	-.489**	-.411**	-.296**	-.321**
Depression	-.322**	-.421**	-.356**	-.475**	-.446**	-.415**
EORTC(QoL)	.368**	.192*	.479**	.176*	.392**	.346**
SUPPH(Self-efficacy)	.435**	.362**	.586**	.557**	.536**	.478**
ALI	-.341**	-.207*	-.477**	-.354**	-.306**	-.340**
Cronbach's α	0.864	0.797	0.820	0.771	0.912	0.852

***, P<0.05; **, P<0.01**

Abbreviations: HADS, Hospital Anxiety and Depression Scale; EORTC, European Organization for Research and Treatment of Cancer; SUPPH, Strategies Used by People to Promote Health; ALI, Allostatic Load Index