

Appendix 5.1 Principal components analysis of FACT Specific Concerns at month 1 (n = 173)

Item	Component ^a						
	1	2	3	4	5	6	7
<i>Item–component loadings</i>							
Ga12. I have trouble swallowing food	0.86	0.18	-0.03	-0.01	0.20	0.05	0.01
^b E1. I have difficulty swallowing solid foods	0.80	0.24	-0.06	-0.07	0.10	0.06	0.14
E5. I choke when I swallow	0.72	-0.04	0.04	0.11	0.03	0.13	-0.08
^b E2. I have difficulty swallowing soft or mashed foods	0.69	0.17	-0.02	0.04	0.34	-0.18	-0.02
^b HN7. I can swallow naturally and easily	-0.69	-0.12	-0.08	0.07	0.07	-0.02	0.09
HN1. I am able to eat the foods that I like	-0.64	-0.55	0.01	-0.07	0.05	-0.11	0.05
Ga6. I have discomfort or pain when I eat	0.55	0.27	0.23	0.03	0.42	0.02	0.12
E6. I am able to enjoy meals with family or friends	-0.52	-0.45	0.00	-0.18	0.13	-0.08	0.04
Ga1. I have a loss of appetite	0.13	0.79	0.12	0.08	0.12	0.10	-0.03
^b C6. I have a good appetite	-0.26	-0.72	-0.19	0.04	0.01	0.05	0.22
^b HN5. I am able to eat as much food as I want	-0.32	-0.65	-0.23	0.11	-0.01	-0.06	0.16
^b Ga10. My digestive problems interfere with my usual activities	0.44	0.60	0.05	0.17	0.26	0.06	-0.09
C2. I am losing weight	0.12	0.57	0.03	-0.09	0.28	0.13	0.21
Ga4. I am bothered by a change in my eating habits	0.53	0.55	0.00	0.29	0.10	-0.03	-0.03
^b Ga9. I avoid going out to eat because of my illness	0.45	0.55	-0.18	0.35	0.00	0.02	0.01
^b Leu4. Because of my illness, I have difficulty planning for the future	0.12	0.47	0.18	0.43	0.09	0.04	0.06
HI12. I feel weak all over	0.06	0.45	0.26	0.36	0.07	0.33	-0.11
An2. I feel tired	-0.08	0.40	0.34	0.31	0.13	0.20	-0.03
^b Ga5. I have a feeling of fullness or heaviness in my stomach area	-0.01	0.13	0.71	0.27	-0.05	0.17	-0.12
^b ACT11. I have pain in my stomach area	-0.06	0.23	0.70	0.16	0.20	0.22	0.04
^b C1. I have swelling or cramps in my stomach area	0.13	-0.15	0.64	0.33	0.07	-0.14	-0.14
HN2. My mouth is dry	0.01	0.38	0.56	-0.18	0.01	-0.06	-0.02
Ga14. I am bothered by gas (flatulence)	0.03	-0.05	0.20	0.70	-0.17	0.04	0.05
^b Ga7. I worry about having stomach problems	0.04	0.29	0.13	0.60	0.36	0.09	0.01
E4. I have pain in my chest when I swallow	0.32	0.14	-0.05	-0.03	0.63	0.31	0.02
E3. I have difficulty swallowing liquids	0.50	0.11	0.17	-0.06	0.56	-0.18	-0.03

Item	Component ^a						
	1	2	3	4	5	6	7
Hep8. I have discomfort or pain in my stomach area	0.00	0.15	0.50	0.28	0.52	0.21	0.00
E7. I wake at night because of coughing	0.03	0.08	0.12	0.02	0.02	0.77	-0.11
Ga2. I am bothered by reflux or heartburn	0.01	0.11	0.02	0.31	0.27	0.54	-0.01
HN3. I have trouble breathing	0.18	0.06	0.48	-0.16	-0.09	0.50	0.08
HN10. I am able to communicate with others	-0.08	-0.05	-0.02	-0.04	0.03	-0.16	0.78
HN4. My voice has its usual quality and strength	0.00	-0.11	-0.01	0.13	0.05	0.02	0.65
C5. I have diarrhoea	-0.04	-0.04	0.25	0.34	0.32	-0.10	-0.49

a These seven components explain 61% of the variance.

b Items omitted from abridged combined scale.

Appendix 5.2 Principal components analysis of FACT Specific Concerns at month 3 (n = 150)

Item	Component ^a						
	1	2	3	4	5	6	7
Item-component loadings							
Ga12. I have trouble swallowing food	0.85	0.20	-0.03	0.13	0.07	-0.11	0.02
^b E1. I have difficulty swallowing solid foods	0.76	0.27	-0.05	0.18	0.09	0.00	0.03
^b E2. I have difficulty swallowing soft or mashed foods	0.73	0.32	0.01	0.06	0.07	0.13	-0.01
E5. I choke when I swallow	0.72	0.05	-0.01	0.13	-0.06	-0.28	0.08
E3. I have difficulty swallowing liquids	0.71	0.18	-0.09	0.29	0.04	0.08	-0.18
E4. I have pain in my chest when I swallow	0.66	0.06	0.35	-0.17	0.09	0.01	0.11
^b HN7. I can swallow naturally and easily	-0.64	-0.33	0.15	-0.04	0.03	0.29	0.06
Ga4. I am bothered by a change in my eating habits	0.58	0.50	0.36	0.12	-0.04	0.02	-0.09
Ga6. I have discomfort or pain when I eat	0.53	0.28	0.52	0.10	0.01	0.04	0.07
^b Ga10. My digestive problems interfere with my usual activities	0.47	0.46	0.43	0.30	-0.03	-0.04	0.09
^b C6. I have a good appetite	-0.14	-0.83	-0.04	-0.13	-0.15	0.08	-0.03
E6. I am able to enjoy meals with family or friends	-0.24	-0.80	-0.06	-0.10	0.08	0.27	-0.06
Ga1. I have a loss of appetite	0.12	0.74	0.20	0.29	0.14	0.06	-0.06
^b HN5. I am able to eat as much food as I want	-0.28	-0.71	-0.25	-0.16	-0.04	0.20	-0.01
^b Ga9. I avoid going out to eat because of my illness	0.28	0.67	0.17	0.26	-0.13	0.00	0.06
HN1. I am able to eat the foods that I like	-0.49	-0.67	-0.07	-0.03	-0.06	0.15	-0.11
C2. I am losing weight	0.30	0.54	0.08	0.26	0.23	0.13	-0.16
Hep8. I have discomfort or pain in my stomach area	0.06	0.14	0.82	0.26	0.03	0.05	0.02
^b ACT11. I have pain in my stomach area	0.13	0.06	0.77	0.16	0.14	-0.04	-0.04
^b Ga5. I have a feeling of fullness or heaviness in my stomach area	-0.26	0.20	0.70	0.23	0.04	0.03	0.08

Item	Component ^a						
	1	2	3	4	5	6	7
^b C1. I have swelling or cramps in my stomach area	-0.12	0.07	0.69	-0.01	0.20	-0.09	-0.03
^b Ga7. I worry about having stomach problems	0.22	0.13	0.49	0.30	-0.28	-0.04	0.20
Ga14. I am bothered by gas (flatulence)	0.06	-0.04	0.45	0.40	-0.44	0.01	0.30
An2. I feel tired	0.15	0.21	0.21	0.75	0.07	-0.16	-0.03
HI12. I feel weak all over	0.12	0.29	0.35	0.70	0.04	-0.04	-0.09
HN2. My mouth is dry	0.11	0.20	0.20	0.62	0.12	0.29	-0.09
^b Leu4. Because of my illness, I have difficulty planning for the future	0.19	0.28	0.13	0.59	0.04	-0.19	0.08
E7. I wake at night because of coughing	0.18	0.09	0.08	0.00	0.72	-0.06	0.09
HN3. I have trouble breathing	-0.03	0.05	0.24	0.24	0.70	-0.13	0.06
HN10. I am able to communicate with others	-0.09	-0.13	0.00	0.02	0.00	0.75	-0.12
HN4. My voice has its usual quality and strength	-0.07	-0.12	-0.09	-0.13	-0.23	0.68	0.19
Ga2. I am bothered by reflux or heartburn	0.05	0.17	0.35	0.06	0.25	-0.10	0.72
C5. I have diarrhoea	0.03	0.13	0.43	0.23	0.09	-0.19	-0.57

a These seven components explain 61% of the variance.

b Items omitted from abridged combined scale.

Appendix 5.3 Confirmatory factor analysis of FACT-G at month 1^a

Item	Factor			
	Physical	Social	Emotional	Functional
Item-factor loadings				
GP1. I have a lack of energy	0.78			
GP2. I have nausea	0.52			
GP3. Because of my physical condition, I have trouble meeting the needs of my family	0.71			
GP4. I have pain	0.60			
GP5. I am bothered by side effects of treatment	0.57		0.21	
GP6. I feel ill	0.79			
GP7. I am forced to spend time in bed	0.73			
GS1. I feel close to my friends		0.87		
GS2. I get emotional support from my family		0.74		
GS3. I get support from my friends		0.91		
GS4. My family has accepted my illness		0.49		
GS5. I am satisfied with family communication about my illness		0.54		

Item	Factor			
	Physical	Social	Emotional	Functional
GS6. I feel close to my partner (or the person who is my main support)		0.38		
GE1. I feel sad			0.76	
GE2. I am satisfied with how I am coping with my illness			-0.46	
GE3. I am losing hope in the fight against my illness			0.42	
GE4. I feel nervous			0.79	
GE5. I worry about dying			0.59	
GE6. I worry that my condition will get worse			0.55	
GF1. I am able to work (include work at home)	-0.28			0.38
GF2. My work (include work at home) is fulfilling				0.62
GF3. I am able to enjoy life				0.86
GF4. I have accepted my illness		0.28		0.48
GF5. I am sleeping well				0.58
GF6. I am enjoying the things I usually do for fun				0.81
GF7. I am content with the quality of my life right now				0.83

Factor-factor correlations^b

Physical	–			
Social	-0.08	–		
Emotional	0.51	-0.31	–	
Functional	-0.65	0.31	-0.61	–

a $n = 173$. $\chi^2(282) = 453.93$, $p < 0.01$; SRMR = 0.07; CFI = 0.92; RMSEA = 0.06, p (close fit) = 0.06.

b Correlations between measurement errors: GP2 and GP3 negatively; GP4 and GP7 negatively; GS2 and GS5 positively; GS2 and GS6 positively; GS4 and GS5 positively; GE5 and GE6 positively; GF1 and GF2 positively; GF4 and GF6 negatively.

Appendix 5.4 Confirmatory factor analysis of FACT-G at month 3^a

Item	Factor			
	Physical	Social	Emotional	Functional
Item-factor loadings				
GP1. I have a lack of energy	0.80			
GP2. I have nausea	0.58			
GP3. Because of my physical condition, I have trouble meeting the needs of my family	0.78			
GP4. I have pain	0.71			
GP5. I am bothered by side effects of treatment	0.53		0.29	
GP6. I feel ill	0.87			

Item	Factor			
	Physical	Social	Emotional	Functional
GP7. I am forced to spend time in bed	0.70			
GS1. I feel close to my friends		0.77		
GS2. I get emotional support from my family		0.64		
GS3. I get support from my friends		0.95		
GS4. My family has accepted my illness		0.63		
GS5. I am satisfied with family communication about my illness		0.52		
GS6. I feel close to my partner (or the person who is my main support)		0.54		
GE1. I feel sad			0.65	
GE2. I am satisfied with how I am coping with my illness			-0.16	0.32
GE3. I am losing hope in the fight against my illness			0.37	
GE4. I feel nervous			0.67	
GE5. I worry about dying	-0.26		0.89	
GE6. I worry that my condition will get worse			0.73	
GF1. I am able to work (include work at home)				0.70
GF2. My work (include work at home) is fulfilling				0.69
GF3. I am able to enjoy life		0.16		0.84
GF4. I have accepted my illness			-0.32	0.27
GF5. I am sleeping well				0.57
GF6. I am enjoying the things I usually do for fun				0.89
GF7. I am content with the quality of my life right now			-0.14	0.81
Factor-factor correlations^b				
Physical	–			
Social	-0.17	–		
Emotional	0.45	-0.24	–	
Functional	-0.78	0.25	-0.41	–

a $n = 15$. $\chi^2(282) = 43.87$, $p < 0.01$; SRMR = 0.08; CFI = 93; RMSEA = 0.06, p (close fit) = 0.06.

b Correlations between measurement errors: GP1 and GP4 negatively, GP2 and GP3 negatively, GP3 and GP7 positively; GP4 and GP7 positively, GP6 and GP7 positively, GS2 and GS5 positively, GS3 and GS6 positively, GS4 and GS5 positively, GF1 and GF2 positively.

Appendix 5.5 Internal consistency and intercorrelations of scales at month 1 ($n = 173$)

Scale	Internal consistency	Correlations					
		1	2	3	4	5	6
1. FACT Specific Concerns	0.91	–					
2. FACT Physical	0.85	–0.52**	–				
3. FACT Social	0.85	–0.26**	0.16*	–			
4. FACT Emotional	0.78	–0.50**	0.41**	0.31**	–		
5. FACT Functional	0.86	–0.59**	0.63**	0.29**	0.48**	–	
6. EQ-5D	–	–0.43**	0.69**	0.11	0.39**	0.63**	–
7. EQ-VAS	–	–0.41**	0.61**	0.15*	0.41**	0.59**	0.55**

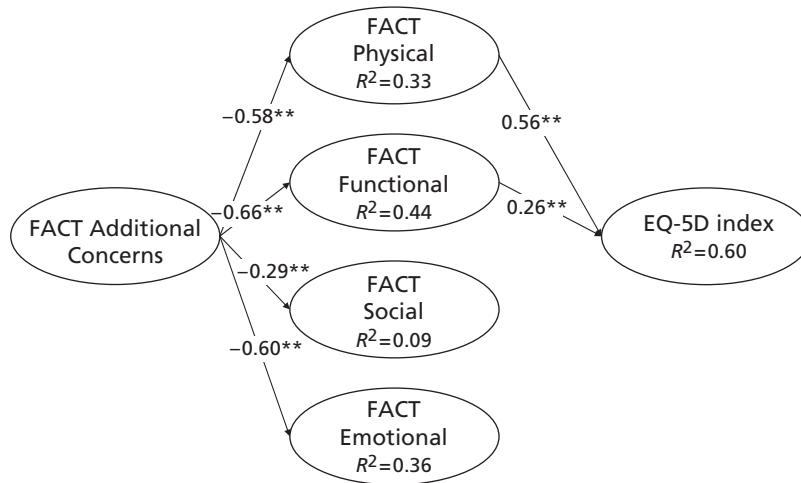
* $p < 0.05$, ** $p < 0.01$.

Appendix 5.6 Internal consistency and intercorrelations of scales at month 3 ($n = 150$)

Scale	Internal consistency	Correlations					
		1	2	3	4	5	6
1. FACT Specific Concerns	0.93	–					
2. FACT Physical	0.89	–0.69**	–				
3. FACT Social	0.83	–0.18*	0.15	–			
4. FACT Emotional	0.75	–0.43**	0.41**	0.24**	–		
5. FACT Functional	0.90	–0.66**	0.72**	0.30**	0.41**	–	
6. EQ-5D	–	–0.51**	0.72**	0.17*	0.32**	0.68**	–
7. EQ-VAS	–	–0.63**	0.70**	0.17*	0.37**	0.66**	0.63**

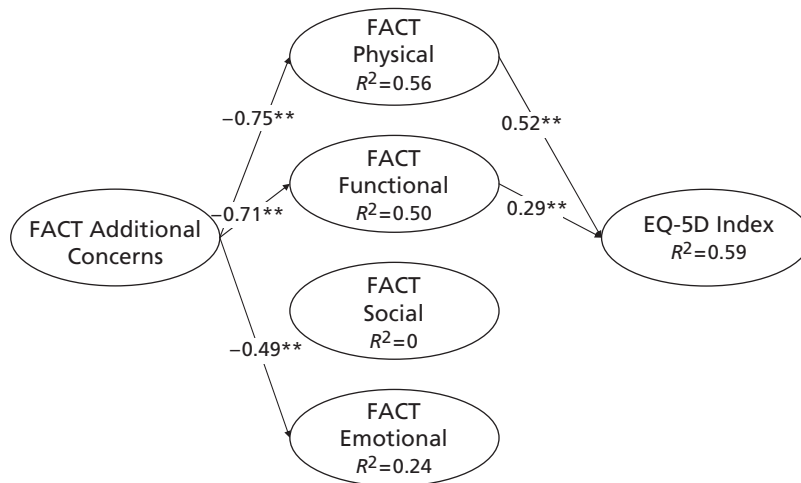
* $p < 0.05$, ** $p < 0.01$.

Appendix 5.7 FACT predicting EQ-5D at month 1



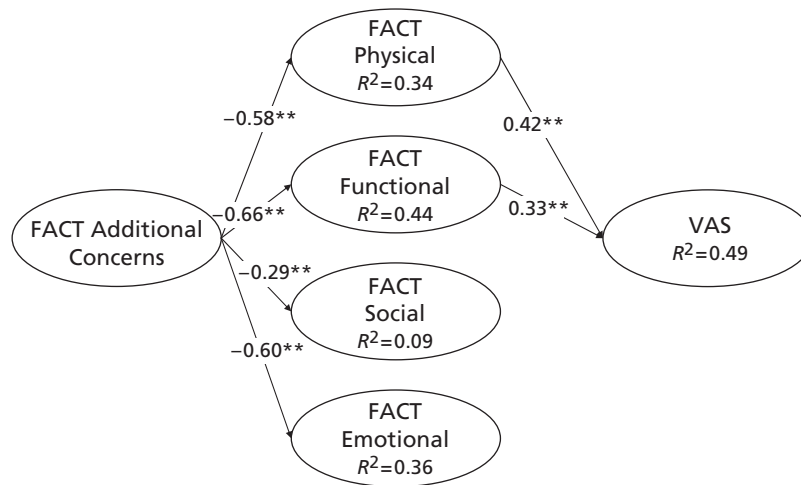
$\chi^2_3 = 3.90$; $p = 0.27$; SRMR = 0.02; CFI = 1.00; RMSEA = 0.04; p (close fit) = 0.45. ** $p < 0.01$.

Appendix 5.8 FACT predicting EQ-5D at month 3



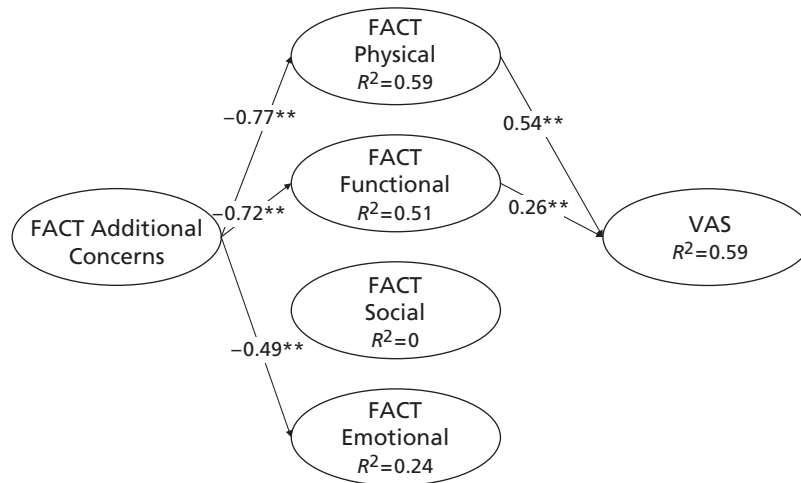
$\chi^2_4 = 9.50$; $p = 0.50$; SRMR = 0.06; CFI = 0.99; RMSEA = 0.10; p (close fit) = 0.14. ** $p < 0.01$.

Appendix 5.9 FACT predicting EQ-VAS at month 1



$\chi^2_4 = 6.52$; $p = 0.16$; SRMR = 0.04; CFI = 0.98; RMSEA = 0.07; p (close fit) = 0.21. $^{**}p < 0.01$.

Appendix 5.10 FACT predicting EQ-VAS at month 3



$\chi^2_4 = 6.35$; $p = 0.17$; SRMR = 0.06; CFI = 0.99; RMSEA = 0.06; p (close fit) = 0.33. $^{**}p < 0.01$.