

**Table S3.** Details of all regression models used to examine the relationship between KCL subscales and QoL

KCL subscale	Variable	Estimate	SE	OR	95% CI		p-value	Overall model test
					Lower	Upper		
ADL	Age	0.03	0.02	1.03	0.98	1.07	0.27	$\chi^2=18.16$ , p=0.01, AIC=414.4 BIC=442.2
	Sex (ref. male)	0.73	0.31	2.07	1.12	3.80	0.02	
	Disease history (ref. none)	-0.15	0.35	0.86	0.44	1.69	0.66	
	Medication	0.04	0.03	1.04	0.98	1.10	0.24	
	Living situation (ref. living with someone)	-0.36	0.29	0.70	0.39	1.23	0.21	
	KCL	0.47	0.15	1.60	1.18	2.17	0.002	
Physical function	Age	0.02	0.02	1.02	0.98	1.07	0.29	$\chi^2=8.55$ , p=0.20, AIC=424, BIC=451.8
	Sex (ref. male)	0.75	0.31	2.12	1.15	3.90	0.02	
	Disease history (ref. none)	-0.05	0.34	0.95	0.48	1.85	0.87	
	Medication	0.04	0.03	1.04	0.98	1.11	0.19	
	Living situation (ref. living with someone)	-0.31	0.29	0.73	0.42	1.28	0.28	
	KCL	0.01	0.13	1.01	0.79	1.30	0.93	
Nutritional status	Age	0.03	0.02	1.03	0.98	1.08	0.27	$\chi^2=16.46$ , p=0.01, AIC=400.5, BIC=428.1
	Sex (ref. male)	0.90	0.33	2.47	1.30	4.68	0.01	
	Disease history (ref. none)	-0.16	0.36	0.85	0.42	1.72	0.66	
	Medication	0.09	0.04	1.09	1.01	1.18	0.03	
	Living situation (ref. living with someone)	-0.39	0.30	0.67	0.38	1.21	0.19	
	KCL	0.48	0.26	1.62	0.97	2.71	0.07	
Oral function	Age	0.03	0.02	1.03	0.98	1.08	0.21	$\chi^2=11.19$ , p=0.08, AIC=421.3, BIC=449.2
	Sex (ref. male)	0.74	0.31	2.10	1.14	3.84	0.02	
	Disease history (ref. none)	-0.08	0.34	0.92	0.47	1.81	0.82	
	Medication	0.04	0.03	1.04	0.98	1.1	0.21	
	Living situation (ref. living with someone)	-0.31	0.29	0.74	0.42	1.29	0.29	
	KCL	0.23	0.14	1.26	0.96	1.65	0.10	
Cognitive function	Age	0.02	0.02	1.02	0.98	1.07	0.29	$\chi^2=9.95$ , p=0.13,
	Sex (ref. male)	0.75	0.31	2.12	1.16	3.88	0.01	
	Disease history (ref. none)	-0.02	0.34	0.98	0.5	1.92	0.95	

	Medication	0.04	0.03	1.04	0.98	1.1	0.22	AIC=422.6,
	Living situation (ref. living with someone)	-0.28	0.29	0.75	0.43	1.32	0.33	BIC=450.4
	KCL	0.24	0.20	1.27	0.86	1.89	0.23	
Depressive mood	Age	0.01	0.02	1.01	0.96	1.06	0.71	$\chi^2=41.86,$
	Sex (ref. male)	0.56	0.33	1.75	0.92	3.31	0.09	p<0.001,
	Disease history (ref. none)	-0.004	0.37	1.00	0.49	2.04	0.99	AIC=390.7,
	Medication	0.02	0.03	1.02	0.95	1.09	0.62	BIC=418.5
	Living situation (ref. living with someone)	-0.35	0.30	0.70	0.39	1.27	0.24	
	KCL	0.53	0.09	1.70	1.41	2.04	< .001	

KCL, Kihon Checklist; ADL, activities of daily living; AIC, Akaike information criterion; BIC, Bayesian information criterion; SE, standardized error; OR, odds ratio; CI, confidence interval.