

Table 2 Rotated loading matrix: polychoric correlation, principle component extraction, varimax rotation after dropping items 1, 2, 8, 12, 26, 29, 30, 31 and 35

	Sorted rotated factor loadings							
	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8
Physical functioning (PF)								
(SF-10) Walking medium	0.847	0.148	0.211	-0.145	0.178	0.211	0.024	0.077
(SF- 4) Vigorous activity	0.844	0.140	0.144	-0.217	0.229	0.146	-0.169	0.101
(SF-5) Lifting or carrying	0.835	0.149	0.124	-0.269	0.136	0.179	-0.006	0.171
(SF-9) Walking short	0.829	0.127	0.205	-0.115	0.269	0.165	-0.178	0.126
(SF-3) Moderate activity	0.801	0.104	0.151	-0.105	0.302	0.135	-0.323	0.119
(SF-11) Walk along distance	0.785	0.167	0.171	-0.291	0.131	0.236	0.240	0.033
(SF-6) Climb flight stairs	0.783	0.130	0.089	-0.328	0.010	0.269	0.100	0.183
(SF-7) Climb several flights	0.774	0.159	0.145	-0.312	0.029	0.247	0.288	0.145
Role limitation due to emotional problems (RLEP)								
(SF-18) Less done like	0.168	0.840	0.219	-0.264	0.071	0.237	-0.139	0.176
(SF-19) Not carefully	0.209	0.817	0.158	-0.081	0.254	0.286	0.257	0.028
(SF-17) Cut down work	0.227	0.802	0.258	-0.293	0.028	0.262	-0.112	0.064
Mental health (MH)								
(SF-28) Down hearted	0.164	0.124	0.786	-0.119	0.127	0.145	0.016	0.053
(SF-25) Unhappy	0.220	0.148	0.762	-0.157	0.144	0.100	0.119	0.218
(SF-24) Nervous	0.167	0.234	0.711	-0.248	0.172	0.011	-0.173	0.055
Social functioning (SF)								
(SF 20) Interfere social	0.281	0.221	0.200	-0.761	0.232	0.183	0.014	0.052
(SF 32) Time limit	0.188	0.216	0.178	-0.703	0.222	0.077	-0.058	0.216
Bodily pain (BP)								
(SF-22) Interfere	0.330	0.126	0.166	-0.793	0.178	0.230	0.048	0.045
(SF-21) Body pain	0.350	0.149	0.181	-0.742	0.245	0.266	-0.051	0.094
General health (GH)								
(SF-36) Excellent health	0.343	0.123	0.261	-0.325	0.711	0.168	-0.047	0.123
(SF-34) Healthy as others	0.329	0.141	0.242	-0.314	0.688	0.179	-0.076	0.255
(SF-33) Get sick easier	0.230	0.128	0.197	-0.382	0.662	0.230	0.098	0.164
Role limitation due to physical health (RLPH)								
(SF-15) Limited in activity	0.244	0.213	0.098	-0.148	0.218	0.815	0.167	0.084
(SF-16) Difficulty performing	0.375	0.255	0.100	-0.172	0.210	0.776	0.082	0.035
(SF-14) Accomplished less	0.314	0.316	0.112	-0.301	0.089	0.689	-0.347	0.197
(SF-13) Cut down on time	0.356	0.299	0.168	-0.386	0.037	0.676	-0.263	0.107
Vitality (VT)								
(SF-23) Full of life	0.355	0.285	0.369	-0.260	0.250	0.127	-0.065	0.541
(SF-27) Loss of energy	0.352	0.107	0.222	-0.179	0.297	0.169	0.007	0.753