Validity of Antonovsky's Sense of Coherence Scale – a systematic review.

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Appendix

Table 1. Description of the material – a flow chart.

Number of papers	
Total hits of the search	1215
↓	
Corrected for double listing in doctoral thesis (table 10)	1193
↓	
Corrected for double listing in the databases (table 9)	509
↓	
Included papers published in McCubbin et al. Stress, coping, and health in families. Sense of coherence and resiliency. Thousand Oaks 1998	519
↓	
Papers excluded because of double publishing (table 9: 208, 235, 390)	516
↓	
Papers excluded because of missing the words "salutogenesis" and/or "sense of coherence" and the translations in the heading, abstract and/or key word (table 9: 64, 263, 268, 270)	512
↓	
Papers excluded because of no references to Antonovsky's SOC concept (table 9: 25, 26, 30, 33, 50, 58, 82, 131, 156, 234, 299, 315, 328, 349, 354, 355, 360, 398, 429, 457, 471, 474, 496, 480)	488
↓	
Papers excluded because of insufficient validity (table 9: 24, 27, 70, 89, 97, 110, 136, 141, 145, 182, 189, 277, 278, 279, 320, 346, 366, 373, 376, 378, 380, 443, 446, 447, 473)	463
↓	
Papers not used the Life Orientation Questionnaire to measure coherence (table 9: 265, 266, 267, 504, 505)	458
The total number of included papers	**458**

Table 2. Statistical data from studies using the SOC-29 questionnaire published 1992-2003.

Country	Sample	Language	N	Mean	SD	α	First author
USA	College students and general population	English	116 students	133.38	21.91		Amirkhan J.H. 2003[1]
			90 students	137.13	23.12		
			52 students	133.44	21.07		
			75 general population	130.39	22.79		
Sweden	Patients with musculoskeletal pain	Swedish	189 all	151.00	24.00	.92	Atroshi I. 2002[2]
USA	Adolescents with Cystic Fibrosis	English	123	134.90	25.40	.92	Baker L. 1998[3]
Germany	Patients with postmenopausal osteoporosis	German	50 total				Begerow B. 1999[4]
			30 group A	136.00	43.00	.89	
			20 group B	143.00	41.00	90	
Israel	College students aged 16-29 years	Hebrew	294	128.80	17.70	.87	Ben-David A. 1996[5]
Israel	Immigrants (Ethiopians)	Hebrew	40 families	140.47	18.35	.87	Ben-David A. 1997[6]
Israel	College students	Hebrew	46 Ethiopians	136.82	23.31	.87	Ben-David A. 1999[7]
			46 Israelites	140.09	19.35		
Sweden	Schizophrenic patients aged 18-81 years	Swedish	120	129.00 total	26.60		Bengtsson-Tops A. 2000[8]
				134.00 men	13.00		
				123.00 women	53.00		
Sweden	Patients with Ehlers-Danlos syndrome	Swedish	77	143.00 total	24.00	.90	Berglund B. 2003[9]
			69 women	142.00 women	24.00		
			8 men	150.00 men	21.00		
USA	College students and patients with schitzophrenia	English	133 students	137.10	24.10		Bigler M. 2001[10]
			31 patients				
Singapore	Singaporean subjects	English	186			.74	Bishop G.D. 1993[11]
Sweden	Obese patients and controls	Swedish	33 patients	134.00	22.00		Björvell H. 1994[12]
			145 controls	151.00	18.00		
Sweden	Patients in long-term psychotherapy or psychoanalysis and healthy people	Swedish	405 patients			.92	Blomberg J. 2001[13]
			345 controls				
Sweden	Patients with breast cancer	Swedish	29 group 1	139.00	24.00	.92	Boman L. 1999[14]
			115 group 2	149.00	21.00	.91	
South-Africa	Patients with essential hyptertension	Afrikaans Sotho	196 all	115.50	20.40	.78	Botha K. 2002[15]
			102 Afrikaans				
			94 Sotho				
Sweden	Students	Swedish	328 all			.91	Bothmer von M. 2003[16]
			160 women	142.50	21.40		
			168 men	162.00	21.00		

USA	Native Americans and Anglo Americans	English	81 NA 105 AA	134.40 134.50	24.60 21.60		Bowman B.J. 1996[17]
Sweden	Occupational therapy students Control group of Swedish women	Swedish	71 students 651 Swedes	142.00	16.00		Bränholm I-B. 1998[18]
United Kingdom	Patients with rheumatoid arthritis	English	89	144.10	27.90	.91	Büchi S. 1998[19]
USA	Patients with rheumatoid arthritis	English	828	146.50	29.40	.93	Callahan L. 1995[20]
South Africa	Patients with major depressive disorder Control group		50 patients 50 controls	100.56 137.24	22.98 24.39		Carstens J. 1997[21]
Sweden	Subjects at high risk for mental illness	Swedish	148	152.60	22.00	.89	Cederblad M 1995[22-26] Dahlin L. 1993[26]
Thailand	Children and youths aged 7-18	Thai	483	139.30-148.60			Cederblad M. 2001[27]
Thailand	Adult family members	Thai	456 families 179 mothers 200 fathers 77 grandparents	143.38 144.01 142.57 144.00	24.03 24.67 22.96 25.48	.85 .86 .85 .86	Cederblad M. 2003[28]
Sweden	HIV-infected patients and control group	Swedish	189 patients 145 controls 	133.00 women 134.00 men 151.00 women 152.00 men	20.00 23.00 19.00 17.00		Cederfjäll C. 2001[29]
Sweden	HIV-infected patients in therapy	Swedish	99 adherent group non-adherent group	139.00_{t1}, 139.00_{t2} 140.00_{t1}, 141.00_{t2} 133.00_{t1}, 127.00_{t2}	25.00, 27.00 24.00, 25.00 30.00, 30.00	.91-.93	Cederfjäll C. 2002[30]
New Zealand	Older patients before and after a surgery operation	English	57				Chamberlain K. 1992[31]
South Africa	General nurses		105	141.28	16.44	.85	Cilliers F. 2003[32]
Israel	Women and men	Hebrew	74			.89	Cohen O. 1997[33]
Israel	Married and divorced mothers	Hebrew	74	137.17[e] divorced 156.60[e] married	-[f] -[f]		Cohen O. 2000[34]
Israel	Divorced Muslim Arabs	Arabic	306 all 147 women 159 men	 121.80 124.37	 23.52 21.03	.83	Cohen O. 2003[35]
Bulgaria	Nuclear operators	Bulgarian	15	144.80	19.01		Dalbokova D. 1995[36]
Israel	Women with disabilties	Hebrew	88			.90	Dangoor N. 1994[37]
Israel	Cancer patients and healthy people	Hebrew	48 patients 46 controls	138.58-153.08 149.15-139.04	19.52-20.30 23.80-23.60		Delbar V. 2001[38]
Israel	Male Israeli patients	Hebrew	209			.87	Drory Y. 2002[39]
Poland	Women staying in hospital after delivery	Polish	523	133.90	48.90	.91	Dudek B. 1993[40]
Poland	Fire fighters	Polish	464	148.46	19.58		Dudek B. 2000[41]
USA	Students	Enlish	202	137.30	20.90		Ebert S. 2002[42]

Canada	University under-graduates	English	298	132.91 women 133.21 men	19.92 20.35	.88 .88	Edwards M.J. 2001[43]
USA	Production workers	English	74	133.70-135.20	25.90-28.90		Fiorentino L.M. 1998[44]
USA	Young homeless and substance-abusing women with children	English	72			.85	Flick L.H. 1998[45]
Israel	Israeli Jewish women with physical disabilities and controls	Hebrew	94 disabled 94 controls	115.78 142.36	28.18 20.43	.90	Florian V. 1994[46]
USA	Women and men	English	374			.93	Frenz A. 1993[47]
Norway	Patients and controls	Norwegian	59 276	110.78[e] 140.65[e]	-[f] -[f]	.94	Friborg O. 2003[48]
Germany	Traffic accident victims		51	144.00	26.00		Frommberger U. 1999[49]
Belgium	Primary caregivers to dementing and nondementing chronically ill family membergs	Flemish (Dutch)	126 55 patients 71 healthy	138.16 137.04 139.03	21.96 26.73 17.56	.84	Gallagher T.J. 1994[50]
France	French adults	French	647	133.66	20.36	.88	Gana K. 2001[51]
United Kingdom	Open university students	English	306				Gibson L.M. 1997[52]
Israel	Daughters of women with breast cancer and healthy women		45 51	109.62[e] 114.84[e]	-[f] -[f]		Gilbar O. 1998[53]
Israel	Women referred to a breast health clinic	Hebrew	314	113.68[e]	-[f]		Gilbar O. 2003[54]
USA	Patients with rheumatic disorders	English	1333	148.00	29.66	.95	Hawley D. 1992[55]
USA	College students	English	150	131.00	28.20	.93	Hittner J.B. 2000[56]
Canada	Patients attending home dialysis and their spouses	English	28 couples	143.50	28.10	.92	Horsburgh M. 1998[57]
USA	Students	English	116			.91	Jorgensen R.S. 1999[58]
USA	Students	English	193	137.30	22.52	.91	Kaiser C. 1996[59]
Israel	Kibbutz members	Hebrew	437 total 228 religious 209 secular	 150.80 men 146.40 women 147.10 men 142.30 women	 19.80 22.90 19.10 20.00	.88	Kark J.D. 1996[60]
Sweden Denmark	Patients after coronary artery bypass grafting	Swedish Danish	111 Swedes 102 Danes				Karlsson I. 2002[61]
Russia	Juvenile delinquents	Russia	159	123.10	18.90	.89	Koposov R. 2003[62]
Israel	Patients with coronary heart disease	Hebrew	164			.88	Kravetz S. 1993[63]
Sweden	Nurses, patients and general population	Swedish	35 group 1 22 group 2 20 group 3 166 group 4 145 group 5	152.00[b] 143.00[b] 160.00-161.00[c] 151.00[b] 151.00	17.00 17.00 14.00-19.00 21.00 18.00	.83 .79 .85-.90 .89 .88	Langius A. 1992[64], 1993[65]
Sweden	Cancer patients and healthy controls	Swedish	42 patients	150.00 total 137.00 women	22.00 22.00	.89	Langius A. 1994[66]

				158.00 men	17.00		
			145 controls	151.00	18.00	.88	
Sweden	Patients	Swedish	165 breast ca patients	148.00	21.00		Langius A. 1996[67]
			28 overweight patients	134.00	22.00		
			25 patients	144.00	29.00		
Sweden	Pentecostalists and reference group	Swedish	37 pentecostalists	152.00	16.00		Langius A. 2001[68]
			145 controls	151.00	18.00		
USA	Dialysis nurses	English	238 all	143.10	23.00		Lewis S. 1992[69]
			224 female	143.90	22.40		
			14 male	137.90	26.00		
USA	Nephrology nurses in dialysis settings	English	49	148.70	24.20		Lewis S.L. 1994[70]
USA	Older people	English	128	158.90	22.90		Lewis J.S. 1996[71]
USA	College students with disabilities	English	89	136.20	29.40	.93	Lustig D. 2000[72]
USA	Female college students	English	145	146.50	22.10	.91	Lustig D. 2002[73]
Sweden	Patients with non-specific musculosceletal disorder	Swedish	23 BAT	134.00-141.00	25.00-23.00		Malmgren-Olsson E-B 2002[74]
			22 FK	132.00-135.00	24.00-21.00		
			26 TAU	140.00-142.00	17.00-16.00		
Israel	Youths from disadvantaged neighbourhoods	Hebrew	137 all			.81	Magen Z. 1992[75]
			57 experienced volunt	136.30			
			37 beginning volunt	124.41			
			42 uninvolved	130.50			
Israel	Parents of handicapped children Control families	Hebrew	78 handicapped	139.49[e] mothers	-[f]	.86	Margalit M. 1992[76]
				147.61[e] fathers	-[f]		
			83 controls	146.16[e] mothers	-[f]		
				151.96[e] fathers	-[f]		
USA	Japanese-American and Anglo-American women	English	59	152.00, 151.00 A	21.07-24.33		Milanesi L.C. 1998[77]
				146.00, 149.00 J	20.78-26.33		
United Kingdom	Primary carer participants caring for an individual with dementia	English	25 service users	113.10	28.40		Mockler D. 1998[78]
			25 non-service users	146.60	21.60		
USA	Women with IBS and healthy controls	English	324 all				Motzer Adams S. 2003[79]
			235 IBS	131.75	21.73		
			89 controls	148.94	21.38		
Japan	Male office workers	Japanese	125 total	128.00	17.00		Nakamura H. 2001[80]
			75 present smoker	124.00	15.40		
			26 never smoker	133.00	16.40		
			24 ex-smoker	132.00	20.50		
Japan	Male office workers	Japanese	101	127.30	19.70		Nakamura H. 2003[81]
USA	Older women	English	137	157.21	24.82	.91	Nesbitt B.J. 2000[82]
USA	Post-liver transplant recipients	English	230 all	152.81	33.33		Newton S. 1999[83]
			72 non-working	142.85	35.21		
			122 working	157.01	29.96		
Sweden	Patients with indigestion	Swedish	18	142.33			Nilsson B. 1997[84]

Thailand	Nursing students	Thai	132	131.18-136.33	18.68-21.20	.85	Nintachan P. 2000[85]
Sweden	Patients with ostomy surgery	Swedish	26 total			.79-.90	Nordström G. 1995[86]
			17 conventional ostomy	147.70	25.30		
			9 continent ostomy	151.30	30.90 ns		
United Kingdom	Patients with total spinal cord transaction and healthy controls	English	20 patients	123.90	15.00		O'Carrol R.E. 2003[87]
			20 controls	115.80	23.10		
South Africa	Trained non-professional counselors	English	130	151.52[d]	19.84	.92	Ortlepp K. 2002[88]
Sweden	Patients with cancer	Swedish	16	160.90	13.50	.80	Persson L. 2001[89]
New Zealand	Hospitalized parasuicides	English	150				Petrie K. 1992[90]
Poland	Female toxicological inpatients	Polish	150 all	108.60	28.90		Polewka A. 2001[91]
			102 group 1	113.80	28 20		
			48 group 2	100.50	28.50		
Finland	Middle-aged working men	Finnish	4405	143.50 total	20.60	.91	Poppius E. 1999[92]
				146.00 white coll			
				142.80 blue coll			
				143.00 smokers	20.30		Poppius E. 2003[93]
				143.70 non-smokers	20.70		
				142.70 alc users	20.30		
				144.30 alc non-users	20.90		
Sweden	District nurses	Swedish	33 total			.89	Pålsson M-B. 1996[94]
			21 supervisory group	148.00-151.00	17.50-16.60		
			12 comparison group	154.00-153.00	13.60-17.30		
USA	Patients with morbid obesity	English	181	140 00	26.00		Ray E. 2003[95]
Sweden	Patients with cancer	Swedish	86	150.00	19.00	.87	Ramfelt E. 2000[96]
Israel	Handicapped and their relatives	Hebrew	80			.85	Rena F. 1996[97]
Israel	Handicapped and their spouses		152			.85	Rena F. 1998[98]
Sweden	Elderly people	Swedish	58				Rennemark M. 1999[99]
Sweden	Insulin-dependent diabetic subjects	Swedish	107 all				Richardson A. 2001[100]
			60 women	142.60	24.30		
			47 men	154.60	16.80		
Sweden	Employees	Swedish	194	145.00 female	18.00		Runeson, R. 2003[101]
				151.00 male	17.00		
Israel	Retirees and their spouses	Hebrew	572 total	151.02	21.89		Sagy S. 1992[102]
			286 retirees	154.50	20.62		
			286 spouses	147.53	22.58		
Israel	Retirees	Hebrew	89	148.67	37.23		Sagy S. 2000[103]
Finland	University students	Finnish	117 all			.92	Salmela-Aro K. 1992[104]
			28 clients	124.93	24.92		
			44 psychology student	140.40	21.73		
			45 technology student	145.04	20.11		
Finland	Psychiatric outpatients and community controls	Finnish	441 total			.93	Sammallahti P 1996[105]
			53 neurotics	117.00	20.30		

			54 personal disorder	115.00	32.80		
			334 controls	149.00	21 80		
Sweden	Patients and healthy controls	Swedish	915 all			.91	Sandell R. 1998[106]
			161 psychotherapy	119.48[e]	-[f]		
			427 waiting-list group	130.50[e]	-[f]		
			146 norm group	153.41[e]	-[f]		
			181 student group	142.39[e]	-[f]		
Sweden	Treatment terminated patients	Swedish	156	129.34[e]	-[f]		Sandell R. 2002[107]
				132.24[e]	-[f]		
				135.43[e]	-[f]		
Switzerland	Injured accident victims	German	106	154.40	20.60	.90	Schnyder U. 2001[108]
Switzerland	Patients with rheumatoid arthritis and traffic accident victims	English	112 AV	155.30	20.70		Schnyder U. 1999[109]
		German	89 RA	144.10	27.90		
Switzerland	Accident victims aged 18-68 years	German	121	155.30	20.50		Schnyder U. 2000[110]
Netherlands	Dutch adults	Dutch	153			.89	Van Selm M. 1998[111]
China	Public health nurses	Chinese	20	135.75	12.27	.76	Shiu A.T-Y. 1998[112]
USA	College students	English	270	129.80 women	20.70		Skirka N. 2000[113]
				132.30 men	21.10		
USA	Students	English	336	134.30	22.77	.87	Smith T.L. 1997[114]
USA	College students	English	156	146.47	22.14	.91	Strauser D. 2003[115]
South Africa	Nursing students, insurance employees and male artisan employed	English	118 students	[1]39.36[d]	23.64	.90	Strümpfer D.J.W. 1998[116]
		Afrikaans	88 insuranse employee	145.82	22.60	.91	
			117 artisans employed	139.65	18.16	.87	
Sweden	Middle-aged women	Swedish	450	150.90	23.40		Svartvik L. 2000[117]
Sweden	Middle-aged women	Swedish	136	150.90	23.40		Svartvik L. 2002[118]
Iceland	Parents of children with asthma	Icelandic	76 families			.92	Svavarsdottir E.K. 2000[119]
Iceland	Parents of children with asthma	Icelandic	103 Icelandic			.86, .91	Svavarsdottir E.K. 2003[120]
USA		English	76 American			.92	
Sweden	Patients with chronic fatigue syndrome	Swedish	14	127.00	27.50		Söderberg S. 2001[121]
Sweden	Carriers of haemophilia and their spouses	Swedish	29 women	150.00	17.00		Tedgård U. 1999[122]
			23 men	158.00	17.00		
Sweden	Carriers of haemophilia	Swedish	367 total			.90	Tedgård U. 1999[123]
			50 prenatal diagnosis	150.00	20.00		
			55 carriers				
			262 controls	146.00	23.00		
Sweden	Nursing students	Swedish	95	143.00	13.00	.70	Thorell-Ekstrand I. 1993[124]
Australia	Women with perinatal bereavment	English	109	128.76[e]	-[f]		Uren T.H. 2002[125]
South-Africa	Multicultural group of subjects	Afrikaans	550 total	136.52	21.68	.85	Wissing M. 2002[126]
			306 women	134.07	21.83	.85	
			244 men	139.57	21 18	.86	
			292 White	139.18	21.91	.90	

			258 Black	133.49	21.10	.80	
USA	Nondiabetic older adults	English	142 total			.92	Zhang J. 2001[127]
			73 spouses	141.90 women	26.30		
				141.20 women	24.60		
				158.60 men	17.40		
				158.90 men	17 80		
			60 controls	160.50 women	22.10		
				159.90 women	21.70		
				164.50 men	17.10		
				161.70 men	15.50		
USA	Chinese Americans	Chinese	15	146.70	24.30		Ying Y-W. 1999[128]
				155.50	21.50		
				153.10	21.80		
USA	Chinese American undergraduate students	English	353 all	127.55	21.37		Ying Y-W. 2000[129, 130]
			122 American-born	129.20	20.15	.89	
			231 Immigrants	126.68	21.98	.90	
			121 Early immigrants	125.42	21.97		
			110 Late immigrants	128.06	22.01		
USA	Asian American students	English	642 all	129.35	21 74	.90	Ying Y-W. 2001[131]
			291 Asian	125.43	20.28		
			197 White	133.47	22.34		
			20 African	129.40	19 80		
			67 Hispanic	131.31	23.07		
			56 Multiracial	132.80	23.05		

[a)] visual analogue scale (VAS) 100 mm; [b)] visual analogue scale (VAS) 60 mm; [c)] visual analogue scale (VAS) 60 mm and 7-point Likert scale; [d)] printer's error corrected by personal communication with the author; [e)] here multiplied by 29; [f)] SD cannot be corrected , t = time

Table 3. Statistical data from studies using the SOC-13 questionnaire published 1992-2003

Country	**Sample**	**Language**	**N**	**Mean**	**SD**	**α**	**First author**
Switzerland	Adults aged 55-65 years	German	1119 Swiss	51.30			Abel T. 1999[132]
Germany			780 German	50.00			
Sweden	Pregnant women	Swedish	395 total	71.80	10.90		Abrahamsson A. 2002[133]
USA	College students aged 16-58 years	English	112	62.40	10.89	.85	Adams T.B. 2000[134]
Canada	Canadians aged 20-24 years	English	1395	54.18	12.42		Allisson K.R. 1999[135]
Sweden	Managers and controls	Swedish	68 managers	72.30	1.00		Anderzén I. 1997[136]
			39 controls	71.30	1.50		
Sweden	Employees and	Swedish	47 employees	72.70	1.36	.82	Anderzén I. 1999[137]

	controls		35 controls	71.90	1.58		
Norway	Patients with multiple trauma	Norwegian	69	60.00	13.00		Anke A. 2003[138]
Israel	Women married to army members and civilians	Hebrew	44 married 53 civilians	68.10 71.90	13.30 8.20		Anson O. 1993[139]
Israel	Patients with mild hypertension	Hebrew	238	67.90 men 58.90 women		.74	Anson O. 1993[140]
Israel	Kibbutz members	Hebrew	230 total 105 religious 125 nonreligious	68.67 66.43	9.90 10.00		Anson O. 1993[141]
United Kingdom	Social workers	English	78	64.00	11.00		Baker M. 1997[142]
Norway	Substance abusers	Norwegian	61 all 43 completers 18 non-compl	 40.30[f] 35.49[f]	 0.14[j] 0.10[j]		Berg J.E. 1998[143]
USA	Older males	English	199	70.60	10.70	.82	Brooks J. 1998[144]
Switzerland	Adolescents aged 16-20 years	German	341	60.71[f] 61.62[f]	-[h] -[h]	.82-.87	Buddeberg-Fischer B. 2001[145]
Switzerland	Patients with SLE	German	60	65.00	11.00		Büchi S. 2000[146]
China	Han Chinese adults	Chinese	197			.74	Cai D. 1998[147]
USA	Patients with rheumatoid arthritis	English	828	65.30	14.80	.89	Callahan L. 1995[20]
USA	Family caregivers of memory-impaired individuals	English	305 all 211 female 94 male	68.70 69.30 67.50	12.70 12.50 13.20	.75	Chumbler N. 2003[148]
United Kingdom	Adults with cleft lip	English	51	60.17	12.50		Cochrane W. 1999[149]
USA	Clinic patients (elderly Veterans)	English	194	69.10	17.49		Coe R.M. 1992[150]
USA	Elderly people	English	152	62.00	9.80	.87	Coward D.D. 1996[151]
Denmark	General population	Danish	2352	65.00	11.00	.85	Due E.P. 1998[152]
South Africa	Sawmill workers	Afrikaans	51	61.66	12.10		Edwards D. 2001[153]
Sweden	Patients with schizophrenia	Swedish	74	45.50[f] employed 53.30[f] unemployed	-[h] -[h]		Eklund M. 2001[154]
Sweden	Elderly people and healthy controls	Swedish	94 patients 94 controls	72.40 73.60	8.90 8.70		Ekman I. 2002[155]
Finland	Older population > 75 years old	Finnish	348	71.50[f]	-[h]	.89	Elovainio M. 2000[156]
Finland	Technical designers	Finnish	989	63.10	11.90	.82	Feldt T. 2000[157]
Finland	Employees	Finnish	219	63.90-64.50		.84, .85	Feldt T. 2000[157]
Finland	25-29-year-aged and 35-40 year-aged technical designers	Finnish	352 total 141 younger age 211 older age	 61.70-65.30 61.00-65.70	 12.40-11.20 11.80-10.80	 .82, .87 .80, .86	Feldt T. 2003[158]
Canada	Young old (65-79) and old-old (80+) people	English	2006 young-old 406 old-old	63.48 63.92	10.99 11.01		Forbes D A. 2001[159]
Sweden	Patients with cancer	Swedish	79				Forsberg C. 1996[160]
Brazil	15-year-olds schoolchildren and	Portuguese	664	57.50		.81	Freire M.C. 2001[161]

	their mothers	(Brazilian)					
Brazil	15-year-olds schoolchildren and their mothers	Portuguese (Brazilian)	664	63.90 mothers	13.40		Freire M.C. 2002[162]
France	French adults	French	647			.79	Gana K. 2001[51]
Australia	Patients with arthritis and healthy controls	English	375 total	63.40	15.30		Germano D 2001[163]
			116 AFV-support	60.30	17.40		
			93 without supp	62.90	15.50		
			166 controls	67.10	13.10		
USA	Field-workers	English	158 home health	65.06	12.80	.82	George V. 1996[164]
			55 nurses	70.18	11.79		
			400 nurses	70.03	10.05		
			40 soc workers	73.80	8.91		
Greece	Male conscripts	Greek	1098	59.75	10.80		Giotakos O. 2003[165]
USA	Single mothers of disabled children	English	152	59.90	14.00		Gottlieb A. 1998[166]
Canada	Persons aged 65 or older	English	826	79.30[f]	-[i]	.68	Graham K. 1998[167]
Norway	Patients with angina pectoris	Norwegian	589	71.16[g]	21.20		Guldvog B. 1999[168]
Finland	Nurse educators	Finnish	477	66.90[a]	0.47	.81	Harri M. 1998[169]
Finland	General population	Finnish	3403				Hassmén P. 2000[170]
Sweden	Parents with Down Syndrom-children and controls	Swedish	334 total			.88	Hedov G. 2002[171]
			165 DS				
			86 mothers	67.30	12.00 ns		
			79 fathers	69.20	10.30 ns		
			169 controls				
			87 mothers	68.70	11.80 ns		
			82 fathers	69.10	10.00 ns		
Sweden	Employed women aged 18-64 years	Swedish	1075				Hensing G. 2000[172]
Sweden	Patients with Ménière's disease and controls	Swedish	112 patients	68.70	13.80	.87	Hessén Söderman A-C. 2001, 2002[173, 174]
			268 controls	66.00	12.00		
Canada	Healthy people	English	16291			.83	Hood S.C. 1996[175]
USA	Homeless women and low-income housed women	English	113 homeless	50.45	14.34	.80	Ingram K. 1996[176]
			116 housed	55.66	12.59		
Sweden	Men with prostate cancer and men with benign prostatic hyperplasia	Swedish	71 cancer patient	75.10	13.20	.85	Jakobsson L 2002[177]
			37 BPH	76.50	10.90	.85	
Sweden	Former workers at Volvo Kalmar plant	Swedish	344	66 50 women	12.05	.87	Johansson Hanse J. 1999[178]
				67.90 men	12.24		
Sweden	Ambulance personnel	Swedish	362	67.72			Jonsson A. 2003[179]
			137 non-traumatic events	69.90 men	8.57		
				70.54 women	9.72		
			223 traumatic events	65.57 men	10.30		
				66.30 women	9.93		
Finland	Unemployed with disabilities and controls	Finnish	88 disabl	45.34			Juvonen-Posti P. 2002[180]
			88 contr	45.52			

Finland	Employees	Finnish	2144	63.96^{f}_{t1}, 67.73^{f}_{t2}	-[j]	.84-.87	Kalimo R. 2002[181]
Finland	Employees	Finnish	174 all				Kalimo R. 2003[182]
			87 no-burnout	67.99^{f}_{t1}, 70.85^{f}_{t2}			
			87 serious burnout	53.17^{f}_{t1}, 49.27^{f}_{t2}			
Sweden	Patients attended cardiac rehabilitation	Swedish	79	62.40	12.60		Kamwendo K. 1998[183]
Sweden	Patients with coronary heart disease	Swedish	111	69.50_{t1}		.84	Karlsson I. 2000[184]
				66.00_{t2}		.88	
Sweden	Patients after coronary artery bypass	Swedish	111	65.00	13.00	.84-.88	Karlsson I. 2002[61]
Denmark	grafting	Danish	102	66.00	14.00	.75	
Finland	Male industrial managers	Finnish	750	67.99^{f}	-[h]	.83	Kivimäki M. 1998[185]
Finland	Municipal employees	Finnish	2991	64.61^{f} women	-[h]		Kivimäki M. 2002[186]
				64.09^{f} men	-[h]		
Switzerland	Accident victims	German	323	66.30^{f}	-[j]		Kjaer Fuglsang A. 2002[187]
Sweden	Patients with chronic renal failure	Swedish	48 all			.76	Klang B. 1996[188]
			25 predialysis	66.00	10.30		
			23 dialysis	71.40	13.60		
Sweden	Predialytic uremic patients and healthy reference group	Swedish	38 patients	66.80	11.20	.76	Klang B. 1996[189]
			268 reference group	65.70	12.00		
Sweden	Uraemic patients and controls	Swedish	28	66.00 predialysis	13.00	.82	Klang B. 1999[190]
				71.00 dialysis	12.00		
			28	65.00 dialysis	10.00	.88	
Colombia	Detained offenders	Spanish	223				Klevens J. 2000[191]
Sweden	Patients with chronic lower limb ischaemia and healthy controls	Swedish	270 all			.87	Klevsgård R. 1999[192]
			75 ischaemia	71.00	13.80		
			93 claudicants	72.00	13.60		
			102 controls	75.00	10.50		
Sweden	Swedish women aged 40-50	Swedish	397				Krantz G. 2000[193]
Sweden	50-year-old men	Swedish	150	68.80	0.90		Kristenson M. 1998[194]
Lithuania		Lithuanian	159	62.50	0.90		
Australia	Drivers	English	201				Lajunen T. 1998[195]
Finland		Finnish	203				
Sweden	Nurses, patients and general population	Swedish	145	61.00	9.00	.77	Langius A. 1993[65]
Sweden	Healthy individuals and patients	Swedish	268 controls	66.00	12.00	.86	Langius A. 1996[67]
			38 kidney disease	67.00	11.00	.76	
			96 cancer patients	70.00	11.00	.78	
			19 cancer patients	67.00	12.00	.79	
Sweden	General population	Swedish	2003			.82	Larsson G. 1996[196]
				64.02 women	11.36		
				65.04 men	10.39		
Sweden	General population	Swedish	1906	64.52	11.03	.82	Larsson G. 1999[197]
			1901	65.31	10.64	.82	
Sweden	Swedish battalion in Bosnia	Swedish	510	65.13 poor mental	10.34	.80	Larsson G. 2000[198]

				health			
				70.04 no poor mental health	8.91		
Sweden	Patients	Swedish	1056			.84	Larsson Wilde B. 1999[199]
USA	Chinese, Japanese and American adults	English	160 Americans			.82[c], .84[a], .85	Lee J.W. 2002[200]
		Japanese	323 Japanese			.85[c], .77[a], .86	
		Chinese	136 Chinese			.75[c], .78[a], .78	
South Africa	Psychiatric nurses	English	94	60.61	12.40	75	Levert T. 2000[201]
USA	Older adults and controls	English	30 adults	75.43	8.55	.74	Lutgendorf S.K. 1999[202]
			28 controls	75.30	9.53		
USA	Employees	English	728	62.50	12.56	.79	Mackie K.S. 2001[203]
Sweden	Patients treated with noninvasice and invasive home mechanical ventilation	Swedish	31 trach	70.70	15.50		Markström A. 2002[204]
			60 NIV	66.80	13.80		
Japan	Patients with Scleroderma	Japanese	50	67.70	13.40		Matsuura E. 2002[205]
Norway	Male conscripts	Norwegian	663	59.50	11.60		Mehlum L. 1998[206]
Sweden	Unemployed with a somatic disorder	Swedish	109	57.00			Melin R. 2003[207]
Sweden	Patients with peripheral vestibular disorder and controls	Swedish	99 patients	71.00	12.00	.85	Mendel B. 2001[208]
			268 controls	66.00	12.00		
USA	Persons with CHD survived cardiac arrest	English	149	69.21	12.95	.87	Motzer S. 1996[209]
USA	Women with IBS and healthy controls	English	324 all				Motzer Adams S. 2003[79]
			235 IBS	61.58	13.00		
			89 controls	67.36	12.33		
Japan	Civil servants	Japanese	1595 all			.83	Nasermoaddeli A. 2002[210]
			698 women	52.80	10.20		
			897 men	54.70	10.40		
Japan	Civil servants	Japanese	1300 all			.83	Nasermoaddeli A 2003[211]
			564 women	53.10	10.20		
			736 men	54.70	10.40		
Sweden	General population	Swedish	1802	70.80 women	10.40		Nilsson B. 2000[84]
				70.50 men	9.90		
Sweden	General population	Swedish	1254	70.83_{t1} 68.87_{t2}			Nilsson B. 2003[212]
				70.92_{t1} 69.04_{t2} women			
				70 73_{t1} 68.70_{t2} men			
Sweden	Parents with children with intellectual disabilities and controls	Swedish	755	67.00	13.00		Olsson M.B. 2002[213]
			259	64.40 mothers	14.50	.78-.85	
				69.10 fathers	11.90		
			109	59.90 mothers	14.40	.86-.87	
				65.20 fathers	12.00		
			381	69.10 mothers	10.80	.82-.87	
				69.50 fathers	10.80		
Australia	General population	English	439 all	60.80	11.70	.84	Pallant J. 2002[214]
			255 women	60.40	12.05		

			184 men	61.37	11.23		
Sweden	Survivors of acute leukemia and highly malignant lymphoma	Swedish	54				Persson L. 1997[215]
USA	Outpatients with solid tumors	English	38	63.00-66.50			Post-White J. 1998[216]
USA	High school students	English	338			.84	Ryland E.K. 1998[217]
Sweden	Adolescents and young adults with epilepsy and controls	Swedish	158 epilepsy	64.05	13.15	.83	Räty L. 2003[218]
			282 controls	63.73	12.07		
Israel	School children and their parents	Hebrew	201			.74	Sagy S. 1998[219]
			107 Golan	55.32	9.30		
			91 Galilee	54.92	10.11		
Israel	Israeli Jewish adolescents	Hebrew	266 acute stress	56.16[f]	-[h]	.74	Sagy S. 2002[220]
			448 without a s	58.11[f]	-[h]	.73	
Sweden	Patients with type-2 diabetes	Swedish	88	72.60	11.90		Sandén-Eriksson B. 2000[221]
				71.00 women	11.70		
				73.90 men	12.10		
Finland	Adult patients	Finnish	80	65.00	15.00	.90	Santavirta N. 1996[222]
Finland	Adult patients	Finnish	85	64.60	14.20	.92	Santavirta N. 1996[223]
Israel	Female students	Hebrew	54	61.26	8.96	.75	Sarid O. 2003[224]
Finland	Older population > 75 years old	Finnish	300	65.00		.78	Sarvimäki A. 1994[225]
Switzerland	Accident victims and	English German	96	68.22_{t1}	11.57		Schnyder U. 2000[110]
				65.33_{t2}	11.87		
				65.90_{t3}	12.66		
	patients with RA		60	66.87_{t1}	11.59		
				68.89_{t2}	13.47		
Sweden	Patients with chronic pain	Swedish	84	58.00	14.00	.80	Schult M-L. 2000[226]
USA	Later life family units	English	184			.78	Smith S.D. 1997[227]
Canada	Canadian labour force	English	6790	58.43^{h}_{t1} 62.01^{h}_{t2}	11.76 10.83	83	Smith P. 2003[228]
				57.65^{h}_{t1} 61.70^{h}_{t2} women	11.47 10.73		
				59.08^{h}_{t1} 62.27^{h}_{t2} men	12.00 10.92		
Norway	Patients with severe multiple trauma	Norwegian	26	63.00^{e}_{t1}		.86-.89	Snekkevik H. 2003[229]
				68.00^{e}_{t2}			
				65.00^{e}_{t3}			
Israel	Mothers/immigrants from the former Soviet Union	Russian	221 single	60.60	12.50	.77	Soskolne V. 2001[230]
			241 couple	63.40	12.30		
Israel	Patients with irritable bowel syndrome (IBS)	Hebrew	151 all				Sperber A. 1999[231]
			79 IBS	59.60	1.10		
			72 controls	65.70	1.20		
Sweden	Unemployed people	Swedish	1249	55.19 women	14.26		Starrin B. 2001[232]
				54.41 men	14.10		
USA	Older people	English	414	77.60	13.80	.77	Steiner A. 1996[233]
			50 controls	72.60	13.60	.78	
Canada	Population aged 18 and older	English	19818				Stephens T. 1999[234]

South Africa	Working adults	English Afrikaans	152	60.02	12.15	.84	Strümpfer D. 2001[235]
Finland	General population	Finnish	20101 total				Suominen S. 2002[236]
			9151 good health	67.08			
			7802 fairly good h	62.91			
			3185 mediocre h	59.84			
			688 fairly poor h	56.34			
			171 poor health	52.92			
Norway	Patients with Gallbladder Stones disease	Norwegian	28	46.10	19.80		Svebak S. 2000[237]
Sweden	Employees of social-welfare and social-insurance agencies	Swedish	103	66.00 women 67.00 men			Söderfeldt M. 2000[238]
Finland	Elderly people	Finnish	78	67.70-69.10	10.42-11.35	.70	Takkinen S. 2001[239]
			182				
			299	69.90-71.90	9.45-10.13	.79	
USA	Chinese bilingual students	English	70	60.90	10.80	.88	Tang S.T. 2002[240]
		Chinese		60.70	10.70	.89	
Finland	Industrial design personnel	Finnish	422	64.87[f]	-[j]	.83	Toppinen-Tanner S. 2003[241]
Norway	Students	Norwegian	4731				Torsheim T. 2001[242]
Greece	Nurses	Greek	79 all	63.60	11.70		Tselebis A. 2001[243]
			17 male	67.10	12.00		
			62 female	62.63	11.56		
Norway	Patients	Norwegian	5305	67.00	13.00		Veenstra M. 2002[244]
Australia	Older people	English	556	70.47	14.54		Wells Y.D. 1997[245]
Australia	Retired individuals	English	363				Wells Y.D. 1999[246]
Sverige	Cancer patients	Swedish	20	67.00	11.90	.79	Wettergren L. 1997[247]
Finland	Physicians and architects	Finnish	189 architects	61.40-62.50	9.90-11.30		Virtanen P. 2001[248]
			638 physians	62.60-67.50	9.20- 9.90		
Canada	General population	English	17626	59.00	12.00	.83	Wolff A C. 1999[249]
Hong Kong	Critical care nurses	Chinese	35			.79	Yam B. 2003[250]

[b] visual analogue scale (VAS) 100 mm; [c] 4-point Likert scale; [d] 6-point Likert scale; [e] 5 response choices; [f] here multiplied by 13; [g] SOC index transformed to range between 0 and 100; [h] completed information by personal communication with the author, [l] median, [j] SD cannot be corrected, t = time

Table 4. Statistical data from studies using modified versions of the SOC questionnaire published 1992-2003.

Country	Sample	Language	Items	Scales	N	Mean	SD	α	First author
Denmark	Employees	Danish	9	3 choices	2053	80.99	13.23	.77	Albertsen K. 2001[251]
Sweden	Healthy middle-aged women	Swedish	3	3 choices	4821				Agardh E. 2003[252]
Norway	Substance abusers	Norwegian	9	3-5-point Likert	60	2.58 all	0.60		Andersen S. 2001[253]

						2.44 women 2.71 men	0.60 0.60		
Finland	Adolescent girls	Finnish	3	7-point Likert	825			.61	Anttila T. 2000[254]
Denmark	Older adults /74/75 and 80 years)	Danish	3	3 choices	1396				Avlund K. 2003[255]
Sweden	Immigrants/refugees Swedes	Farsi Spanish Turkish Polish	3	5-point Likert	1980 3001				Bayard-Burfield L. 2001[256]
Norway	Drug addicts	Norwegian	9	(de Wolfe)	20	2.34			Berg J.E. 1996[257]
Norway	Drug addicts	Norwegian	9	(de Wolfe)	All 61 Completers 43 Non-compl 18	 3.10 2.72	 0.70 0.60		Berg J.E. 1996, 2001[258, 259]
Norway	Drug addicts	Norwegian	9	(de Wolfe)	Abusers 60	2.58	0.60		Berg J.E. 1997[260]
Sweden Denmark Norway Finland Iceland	Schoolchildren aged 7-12 years and their parents	Swedish Danish Norwegian Finnish Icelandic	3	3 choices	10317 803				Berntsson L. 2000[261]
USA	Students	English	9 SOSC (sense of school coherence)	3-point Likert	665	19.80	3.41	.66	Bowen G. 1998[262]
New Zealand	Cambodians	Cambodian	9	4-point Likert	223			.82	Cheung P. 1995[263]
Sweden	Survivors of the m/s Estonia disaster	Swedish	12	7-point Likert	53	62.40	13.00		Eriksson N-G. 1996[264]
Sweden	Nursing staff	Swedish	9	3-point Likert	177 81 96	 2.79-2.76 2.68-2.65	 0.18-0.22 0.30-0.31	.60-.69	Forsgärde M. 2000[265]
Denmark Finland Norway Sweden Iceland	Children aged 2-17 years	Danish Finnish Norwegian Swedish Icelandic	3	6-point scale	9524				Groholt E-K. 2003[266]
Sweden	Older patients with chronic pain Patients who had undergone elective surgery and controls	Swedish	9 9	3-point Likert 5-point Likert	42 100	1.87-2.32	0.33-0.42	.73 .74	Hall-Lord M-L. 1999[267] Hall-Lord M-L. 1999[268]
Sweden	Patients with chronic pain	Swedish	10 The Future Scale	7-point Likert	660			.81	Hellström C 1999[269]
USA	Families with subjects diagnosed with a serious illness	English	26 FSOC	7-point Likert	78	124.56	25.64	.75 .84	Hoehn Anderson K. 1998[270]

								.65	
Canada	Women aged 20-64 years	English	SOC-13	7-point Likert (0-6 points)	6748	57.70		.83	Ing J. 2003[271]
Norway	Persons with CP and without intellectual disability	Norwegian	3	3-point Likert	406	2.01 1.51			Jahnsen R. 2002[272]
Sweden	Older patients	Swedish	9	3 choiches	All 53			.74	Johansson I. 1994[273]
					Group I 25	2.27	0.30		
					Group 2 17	1.99	0.37		
					Group 3 8	2.08	0.31		
Norway	13-15 year-aged schoolchildren	Norwegian	13	5 choiches	All 785				Johnsen M. 2001[274]
					Grade 8 256	10.77_{t1}, 10.74_{t2}			
					Grade 9 256	10.53_{t1}, 10.54_{t2}			
					Grade 10 273	10.44_{t1}, 10.39_{t2}			
Finland	Government employees	Finnish	9		763	47.27 men	7.26		Kivimäki M. 1997[275]
						46.12 women	7.32		
Finland	Municipal employees and male technical designers	Finnish	6	7-point Likert	577	5.14_{t1}		$.76_{t1}$	Kivimäki M. 2000[276]
						5.19_{t2}		$.64_{t2}$	
Finland	Municipal female employees	Finnish	6	7-point Likert	433	5.09	0.81	.76	Kivimäki M. 2002[277]
Finland	Finnish population	Finnish,Swedish	12	5-point Likert	647	10.50	1.74	.83	Kroll Ch. 1998[278]
Japan	Japanese population	Japanese			741	9.60	1.34	.80	
Finland	Finnish polytechnic students	Finnish	28	7-point Likert	287 all	5.04_{bl}	0.61_{bl}	.88	Kuuppelomäki, M. 2003[279]
					93 health c	5.13_{t1}	0.57_{t1}		
					128 business	5.11_{t2}	0.53_{t2}		
					66 techn	5.28_{t3}	0.56_{t3}		
Sweden	Elderly patients	Swedish	9	3-point Likert	53	2.16-2.15	0.35-0.36	.74-.79	Larsson G. 1995[280]
Sweden	White-collar workers	Swedish	9	5-point Likert	1140			.89	Larsson G. 1994[281]
Netherlands	Dutch men and women	Dutch	3	3 choices	2514				van Loon A.J.M. 2001[282]
Sweden	General population	Swedish	3	3 choices	3949				Lundberg O. 1994[283]
Sweden	General population	Swedish	3	3 choices	4390	1.51			Lundberg O. 1995[284]
Israel	Children with learning disorders	Hebrew	16+3	4-point Likert	238 all				Margalit M. 1995[285]
					130 boys	49.58	5.37		
					108 girls	47.83	5.96		
Israel	Children with learning difficulties	Hebrew	16+3 children	4-point Likert	230			.72	Margalit M. 1996[286]
					94	48.62	6.28		
					65	50.03	6.54		
					71	50.94	4.83		
Israel	Preschool children	Hebrew	16+3 children	4 point Likert	187 all				Margalit M. 1998[287]
					50 LD	49.45	5.48		
					76 Non-LD	52.74	5.46		
					51 high-risk	47.77	5.90		
USA	Older adults	English	9	5-point Likert	952	36.00	4.40	.77	Midanik L.T. 1992[288]

						35.60women	4.50		
						36.30men	4.30		
Israel	Preschool children at risk for developing learning disabilities	Hebrew	16+3 childen	4-point Likert	98 all			.72	Most T. 2000[289]
					39 high-risk	50.62	8.51		
					59 nondisabled	53.83	5.07		
USA	Students at risk of school failure	English	9 sense of school coherence	3-point Likert	4772	1.23	0.37	.65	Nash J. 2002[290]
Finland	General population	Finnish	7	4 choices	1861	22.20	0.13	.72	Niemelä M. 2002[291]
						22.25 women	0.18		
						23.08 employed	0.13		
						21.37 unemploy	0.34		
						22.18 men	0.19		
						23.30 employed	0.13		
						21.07 unemploy	0.36		
USA	Homeless drug-abusing minority women	English	13	5-point Likert	581	3.02	0.67	.76	Nyamathi A. 1992[292]
USA	Black homeless women	English	13	5-point Likert	All 460			.76	Nyamathi A. 1992[293]
					High risk 299	2.97	0 66		
					Moderate 63	3.16	0.16		
					Low 98	3.36	0.70		
USA	Women at risk for HIV infection	English	13	5-point Likert	535	3.02	0.67	.76	Nyamathi A. 1993[294]
Israel	Retirees and their spouses	Hebrew	26 family	7-point Likert	214	151.02	18.17	.88	Sagy S. 1992[102]
Israel	School children and their parents	Hebrew	12 family	7-point Likert	201			.81	Sagy S. 1998[219]
					107	57.68	10.00		
					91	59.24	10.36		
Israel	Schoolchildren 8th grade	Hebrew	12 family	7-point Likert	total 226			.76	Sagy S. 2001[295]
					MC 81	4.34	0.72		
					NMC 145	4.89	0.70		
Israel	Israeli Jewish adolescents	Hebrew	12 family	7-point Likert	266	4.49	0.84	.74	Sagy S. 2002[220]
					448	4.76	0.80	.77	
Germany	General population	German	29	5-point Likert	3515	113.20	15.07	.91	Schumann A. 2003[296]
						112.47 women	15.07		
						113.91 men	15.05		
Germany	General population	German	3	3 choices	3515	4.61 all	1.17	.45	Schumann A. 2003[296]
						4.58 women	1.14		
						4.64 men	1.19		
Germany	General population	German	3 BASOC	5-point Likert	3515	12.55 all	2.13	.71	Schumann A. 2003[296]
						12.41 women	2.17		
						12.69 men	2.08		
Netherlands	Older adults	Dutch	11	4 choices	90	35.65 women	5.21	.77	Smits C. 1995[297]

						36.20 men	4.98		
South Africa	Male supervisors	Afrikaans	13	5-point Likert	79	46.80	7.90	.68	Strümpfer D. 1997[298]
South Africa	Male farm workers	Afrikaans	13	5-point Likert	149	40.90	6.14	.68	Strumpfer D.JW. 1997[299]
Sweden	Foreign-born immigrants	Farsi, Spanish, Turkish, Polish	3	5 choices	1980				Sundquist J. 2000[300]
Finland	General population aged 15-64	Finnish Swedish	16	4 choices	3115	9.50women	1.20		Suominen S. 1993[301]
						9.55men	1.17		
			16	4-point Likert	3115	9.52	1.14	84	Suominen S. 1999[302]
Finland	General population	Finnish	16	4 choices	1976				Suominen S. 2001[303]
United Kingdom	General population	English	3	3 choices	20579	1.84	1.15	.35	Surtees P. 2003[304]
Finland	Municipal employees	Finnish	9	4 choices	856			.80	Vahtera J. 1996[305]
					624	46.30	7.30		
					232	46.80	7.30		
USA	Children with asthma and their parents	English	16 children	4-point Likert	235				Vinson J.A. 2002[306]
Finland	Working people	Finnish	28		817				Vuori J. 1994[307]

t = time

Table 5. Correlation of SOC with measures serving as tests of criterion validity from studies published 1992-2003.

Instruments measuring health

Measure/Variable	Sample	N	Coeff r	First author
Brief Psychiatric Rating Scale (BPRS)	Schizophrenic patients	120	-.44$_S$	Bengtsson-Tops A. 2000[8]
British Isles Lupus Assessment Group Disease Activity Index (BILAG)	Patients with SLE	60	-.07 ns	Büchi S. 2000[146]
General Health Questionnaire (GHQ)	College students	52	-.39	Amirkhan J.H 2003[1]
General Health Questionnaire (GHQ)	Students	95	-.32	Gibson L. 1996[308]
General Health Questionnaire (GHQ)	General population	439	-.50	Pallant J. 2002[214]
General Health Questionnaire (GHQ)	Psychiatric outpatients and community controls	441	-.66$_P$	Sammallahti P. 1996[105]
General Health Questionnaire (GHQ)	Patients with severe multiple trauma	26	.33$_{t1}$ ns -.71$_{t2}$ -.62$_{t3}$	Snekkevik H. 2003[229]
Gießener Beschwerdebogen (GBB)	Adolescents aged 16-20 years	341	-.54$_P$	Buddeberg-Fisher B. 2001[145]
Health Assessment Questionnaire (HAQ)	Patients with rheumatoid arthritis (RA)	89	.19 ns	Büchi S. 1998[19]
Health Assessment Questionnaire (HAQ)	Patients with RA and traffic accident victims	89 112	-.19 ns	Schnyder U. 1999[109]
Health Assessment Questionnaire (HAQ – modified) Global Health Status Scale	Patients with rheumatoid arthritis (RA)	828	-.27[a] -.25[b] -.37[c] -.34[d]	Callahan L. 1995[20]
Health Index (HI)	HIV-infected patients and controls	514	.66$_P$[c] .46$_P$[d]	Cederfjäll C. 2001[29]
Health Index (HI)	Patients with cancer	79	.32$_S$	Forsberg C. 1996[160]
Health Index (HI)	Predialytic uremic patients and healthy reference group	38 268	-.44$_S$	Klang B. 1996[189]
Health Sickness Rating Scale (HSRS)	Middle-aged physiatric high-risk subjects	148	.51$_P$	Cederblad M. 1996[309]
Health Utility Index Score	Healthy subjects	16291	.31$_P$	Hood S.C. 1996[175]
HIV Symptom Scale	HIV-infected patients and controls	514	-.42$_P$[c] -.34$_P$[d]	Cederfjäll C. 2001[29]
Hopkin's Symptom Checklist	Patients and controls	59 276	-.75	Friborg O. 2003[48]
Hopkin's Symptom Checklist	Homeless women and low-income housed women	113 116	-.62	Ingram K. 1996[176]
Leddy Healthiness Scale - power - purpose - connections	Adult volunteers	125	.70 .64 .60 .53	Leddy S. 1996[310]
Mental Health Inventory (MHI)	Divorced Muslim Arabs	306	.55$_P$	Cohen O. 2003[35]
Mental Health Inventory (MHI)	Women with disabilities	88	.80$_P$	Dangoor N. 1994[37]
Mental Health Inventory (MHI)	Students	202	.58	Ebert S. 2002[42]
Mental Health Inventory (MHI)	Israeli Jewish women with physical disabilities and	94 94	.81	Florian V. 1994[46]

	controls			
Mental Health Inventory (MHI-5)	General population	3515	.51-.65	Schumann A. 2003[296]
MOS Short Form 36 (SF-36)	Patients with musculoskeletal pain	189		Atroshi I. 2002[2]
- bodily pain			$.13_P$	
- mental health			$.47_P$	
MOS Short Form 36 (SF-36)	Students	202		Ebert S. 2002[42]
- global health			.51	
MOS Short Form 36 (SF-36):	Patients with RA and	89	.20 ns	Schnyder U. 1999[109]
Physical Component Scale (PCS)	traffic accident victims	112		
MOS Short Form 36 (SF-36):	Patients with SLE	60		Büchi S. 2000[146]
Physical Component Scale (PCS)			.22 ns	
Mental Component Scale (MCS)			$.64_P$	
MOS Short Form 12 (SF-12):	Patients with Menier's	112		Hessén Söderman
Physical Component Scale (PCS)	disease and healthy	268	$.05_P$ ns	A-C. 2002[174]
Mental Component Scale (MCS)	controls		$-.54_P$	
Oswestry low-back Questionnaire	Adult patients	80	$-.23_S$	Santavirta N. 1996[222]
Oswestry low-back Questionnaire	Adult patients	85	$-.34_S$	Santavirta N. 1996[223]
Pain Scale	Patients with rheumatoid arthritis	828	-.26[a] -.25[b]	Callahan L. 1995[20]
Pain VAS	Patients with rheumatoid arthritis	89	$-.35_P$	Büchi S. 1998[19]
Pennebaker Inventory of Limbic Languidness (PILL)	Students	202	-.31	Ebert S. 2002[42]
Rheumatoid Arthritis Disease Activity Index (RADAI)	Patients with rheumatoid arthritis	89	$-.33_P$	Büchi S. 1998[19]
Self-Illness Separation (SIS)	Patients with SLE	60	$.39_P$	Büchi S. 2000[146]
Self-perceived health	Healthy subjects	16291	$.21_P$	Hood S.C. 1996[175]
Self Report Symptom Check List (SCL)	Adolescents aged 16-20	341	$-.61_P$	Buddeberg-Fisher B. 2001[145]
Sickness Impact Profile (SIP)	Swedish patients with EDS	77	-.32	Berglund B. 2003[9]
- physical dimension			-.10 ns	
- psychosocial dimension			-.46	
Sickness Impact Profile (SIP)	Older males	199	-.50	Brooks J.D. 1998[144]
Sickness Impact Profile (SIP)	Cancer patients	25	$-.64_S$	Edman L. 2001[311]
Sickness Impact Profile (SIP)	Swedish urban population	145	$-.29_S$[a] $-.30_S$[b]	Langius A. 1993[65]
Scale of Psychological Distress	Female students	54	$-.35_P$	Sarid O. 2003[224]
Symptom Checklist (SCL-90)	Middle-aged physiatric high-risk subjects	148	$.72_P$	Cederblad M. 1996[309]
Symptom Checklist (SCL-90)	Traffic accident victims	51	$-.54_P$ $-.66_P$	Frommberger U. 1999[49]
Symptom Checklist (SCL-90)	Psychiatric outpatients and community controls	441	$-.83_P$	Sammallahti P. 1996, 1997[105, 312]
Symptom Checklist (24 items)	Drug addicts	20	-.74	Berg J.E. 1996[257]
- physical symptoms				
Symptom Checklist-90-R	Women with IBS and	324		Motzer Adams S.
- global severity index	healthy controls		$-.64_P$	2003[79]
- somatization			$-.31_P$	
Symptom Checklist-90-R	Homeless drug-abusing	581	$-.46_P$	Nyamathi A. 1992[292]
- somatization	minority women			
Systemic Lupus International Collaborating Clinic/American College of Rheumatology (SLICC/ACR) Damage Score	Patients with SLE	60	.12 ns	Büchi S. 2000[146]
Tinnitus Severity Questionnaire (TSQ)	Patients with Ménière's disease	112 268	-.58	Hessén Söderman A-C. 2001[173]
Wahler Physical Symptom Inventory (WPS)/	Native and Anglo Americans	81 105	$-.29_P$ $-.41_P$	Bowman B.J. 1996[17]
Vertigo Symptom Scale (VSS)	Patients with Ménière's	112	.22	Hessén Söderman A-

	disease	268		C. 2001[173]

[a] SOC-29 [b] SOC-13 [c] male [d] female ns = not significant r_S = Spearman's rank correlation coefficient r_P = Pearson's product moment correlation coefficient t = time

Instruments measuring generalised perceptions of self and environment

Variable/Measure	Sample	N	Coeff r	First author
Anger				
Anger Arousal Scale	Patients with CHD	164	-.37[e]	Kravets S. 1993[63]
Anxiety				
Adult Attachment Scale (AAS)	Women with perinatal	109		Uren T.H. 2002[125]
- anxiety	bereavement		-.44	
Anxiety Scale	Adults with HIV	255	-.42	Linn J.G. 1995[313]
Arthritis Impact Measurement Scale (AIMS)	Patients with rheumatic disorders	1333	$-.63_P$	Hawley D. 1992[55]
Beck Anxiety Inventory (BAI)	Sawmill workers	51	-.43[e]	Edwards D. 2001[153]
Costello-Comrey Depression and Anxiety Scale (CCDAS)	College students	133	$-.45_P$	Bigler M. 2001[10]
- anxiety				
Florida Health and Family Life Instrument	Southeast Asian refugees	2234		Ying Y-W. 1997[314]
- anxiety			-.29	
Hopkin's Symptom Checklist	Adult family members	456	-.29	Cederblad M. 2003[28]
- anxiety				
Hospital Anxiety and Depression Scale (HADS)	Patients with RA	89	$-.55_P$	Büchi S. 1998[19]
Hospital Anxiety and Depression Scale (HADS)	French adults	647	-.52[a]	Gana K. 2001[51]
			-.44[b]	
Hospital Anxiety and Depression Scale (HADS)	French adults	193	-.51	Gana K. 2001[315]
Hospital Anxiety and Depression Scale (HADS)	Patients with Menier's disease and healthy controls	112 268	$-.67_P$	Hessén Söderman A-C. 2002[174]
Hospital Anxiety and Depression Scale (HADS)	Accident victims and patients with RA	96 60	-.28 - -.61 -.63 - - 73	Schnyder U. 2000[110]
Hospital Anxiety and Depression Scale (HADS)	Patients with severe multiple trauma	26	$-.75_{S\,t2}$ $-.82_{S\,t3}$	Snekkevik H. 2003[229]
Hospital Anxiety and Depression Scale (HADS)	Cancer patients	20	Ns	Wettergren L. 1997[247]
Karolinska Scales of Personality	Obese patients	33		Björvell H. 1994[12]
- somatic anxiety			$-.57_P$	
- muscular tension			$-.46_P$	
- psychic anxiety			$-.83_P$	
- psychasthenia			$-.59_P$	
Karolinska Scales of Personality	Healthy nurses and patients	80		Langius A. 1996[67]
- somatic anxiety	(overweight, cancer)		-.57 - - 62	
- psychological anxiety			-.47 - -.83	
Sixteen Personality Factor Questionnaire (16PF)	Undergraduates	100	-.52	Mlonzi EN. 1998[316]
- anxiety				
State Anxiety Questionnaire	Female students	54	$-.70_P$	Sarid O. 2003[224]
State-Trait Anxiety Inventory (STAI)	Students	193	-.68	Kaiser C. 1996[59]
State-Trait Anxiety Inventory (STAI)	Predialytic uremic patients and healthy reference group	38 268	$-.64_S$	Klang B. 1996[189]
State-Trait Anxiety Inventory (STAI)	Patients with CHD	164	-.53[e]	Kravets S. 1993[63]
State-Trait Anxiety Inventory (STAI-Form Y-2)	Nursing students	132	-.70 – -.75	Nintachan P. 2000[85]
State-Trait Anxiety Inventory (STAI)	Handicapped and their spouses	152	-.82[e]	Rena F. 1998[98]
State-Trait Anxiety Inventory (STAI)	Patients with irritable bowel syndrome and controls	151	$-.60_P$	Sperber A. 1999[231]

Symptom-Checklist-90-R - anxiety	Women with IBS and healthy controls	324	-.53$_P$	Motzer Adams S. 2003[79]
Taylor Manifest Anxiety Scale (TMAS)	Adult college students	105	-.50	Flannery R.B. 1994[317]
Well-being Scale: anxiety	HIV-patients and controls	514	-.71$_P$[c] -.67$_P$[d]	Cederfjäll C. 2001[29]
Trier Personality Questionnaire - mental health	General population	3515	.76-.79	Schumann A. 2003[296]
Attachment				
The Adult Attachment Scale (AAS) - closeness - search for meaning - degree of meaning	Women with perinatal bereavement	109	 .49 -.37 .27	Uren T.H. 2002[125]
Attributional style				
IPC Scale - internal control - powerful others control - chance control	Traffic accident victims	51	 .22 ns -.36$_P$ -.19 ns	Frommberger U. 1999[49]
Burnout				
The Maslach Burnout Inventory (MBI) - emotional exhaustion - depersonalisation - personal achievement	Social workers	78	 -.48 -.25 36	Baker M. 1997[142]
The Maslach Burnout Inventory (MBI) - emotional exhaustion - depersonalisation - personal accomplishment	Social workers	81	 -.30 -.20 ns -.34	Gilbar O. 1998[318]
The Maslach Burnout Inventory (MBI) - emotional exhaustion - depersonalisation - personal achievement	Dialysis nurses	238	 -.57$_P$ -.54$_P$ .53$_P$	Lewis S. 1992[69]
The Maslach Burnout Inventory (MBI) - sentimental exhaustion - depersonalisation - personal achievement	Nurses	79	 -.55 [-.45] [2] .44	Tselebis A. 2001[243]
The Compassion Satisfaction/Fatigue Test - burnout	Counsellors	130	 -.59	Ortlepp K. 2002[88]
The Burnout Measure	District nurses	33	-.69	Pålsson M-B. 1996[94]
Compassion/Empathy				
The Compassion Satisfaction/Fatigue Test - compassion fatigue - compassion satisfaction	Counsellors	130	 .51 - 56	Ortlepp K. 2002[88]
The Empathy Construct Rating Scale	District nurses	33	.76	Pålsson M-B. 1996[94]
Contentment				
General Contentment Scale (GCS)	College students	133	.84	Bigler M. 2001[10]
Demoralisation				
PERI Demoralisation Scale[1]	Adolescents and youths aged 12-24 years and reference group	750 60 1033	-.75$_P$	Höfer R. 1997[319]
PERI Demoralisation Scale	Mothers/immigrants	562	-.62	Soskolne V. 2001[230]
Depression				
Allgemaine Depression Skala (ADS)	Adolescents	341	-.56	Buddeberg-Fischer B. 2001[145]
Arthritis Impact Measurement Scale (AIMS)	Patients with rheumatic disorders	1333	-.69$_P$	Hawley D. 1992[55]
Beck Depression Inventory (BDI)	Native Americans	81	-.49	Bowman B.J. 1996[17]

	Anglo Americans	105	-.66	
Beck Depression Inventory (BDI)	Patients with major depressive disorder and controls	50 50	-.71- -.66	Carstens J. 1997[21]
Beck Depression Inventory (BDI)	Patients with acute myocardial infarction	290	$-.53_P$	Drory Y. 1999[320]
Beck Depression Inventory (BDI)	Sawmill workers	51	-.58	Edwards D. 2001[153]
Beck Depression Inventory (BDI)	Adult college students	105	-.47	Flannery R.B. 1994[317]
Beck Depression Inventory (BDI-Child)	Homeless substance-Abusers with children	72	-.51	Flick L.M. 1998[45]
Beck Depression Inventory (BDI)	Students	193	-.57	Kaiser C. 1996[59]
Beck Depression Inventory (BDI)	Juvenile delinquents	159	-.45	Koposov RA. 2003[62]
Beck Depression Inventory (BDI)	Patients with CHD	164	-.53	Kravetz S. 1993[63]
Beck Depression Inventory (BDI)	Patients with Scleroderma	50	-.64	Matsuura E. 2003[205]
Beck Depression Inventory (BDI)	Female toxicological inpatients	150	-.56	Polewka A. 2001[91]
Beck Depression Inventory (BDI)	Nurses	79	-.58	Tselebis A. 2001[243]
Center for Epidemiological Studies – depression (CES-D)	College students	52	-.69	Amirkhan J.H. 2003[1]
Center for Epidemiological Studies – depression (CES-D)	Adults with HIV	255	-.47	Linn J.G. 1995[313]
Costello-Comrey Depression and Anxiety Scale (CCDAS) - depression	College students	133	$-.90_P$	Bigler M. 2001[10]
Florida Health and Family Life Instrument - depression - psychological dysfunction	Southeast Asian refugees	2234	 .34 .28	Ying Y-W. 1997[314]
Hamilton Depression Rating Scale (HDRS)	Female toxicological inpatients	150	-.38	Polewka A. 2001[91]
Hopkin's Symptom Checklist - depression	Adult family members	456	 -.44	Cederblad M. 2003[28]
Hospital Anxiety and depression Scale (HADS)	Patients with RA and traffic accident victims	89 112	-.55	Schnyder U. 1999[109]
Hospital Anxiety and depression Scale (HADS	Patients with severe multiple trauma	26	$-.50_{S\,t2}$ $-.62_{S\,t3}$	Snekkevik H. 2003[229]
Hospital Anxiety and depression Scale (HADS)	French adults	647	-.49 -.38	Gana K. 2001[51]
Hospital Anxiety and depression Scale (HADS)	Patients with Menier's disease and healthy controls	112 268	$-.64_P$	Hessén Söderman A-C. 2002[174]
Hospital Anxiety and depression Scale (HADS)	Accident victims and patients with RA	96 60	-.49 - -.60 -.54 - -.55	Schnyder U. 2000[110]
Multiscore Depression Inventory	Students	193	-.74	Kaiser C. 1996[59]
Profile of Mood States (POMS)	Homeless drug-abusing minority women	581	$-.63_P$	Nyamathi A. 1992[292]
Profile of Mood States (POMS)	Women at risk for HIV infection	535	$-.56_P$	Nyamathi A. 1993[294]
State-Trait Personality Inventory (STAI-T)	Native Americans Anglo Americans	81 105	-.43 -.64	Bowman B.J. 1996[17]
Symptom Checklist-90-R - depression	Women with IBS and healthy controls	324	$-.64_P$	Motzer Adams S. 2003[79]
Tedium Measure - physical exhaustion (feeling tired) - emotional exhaustion (depressed) - mental exhaustion(feeling worthless)	Diabetic persons	20	-.69	Lundman B. 1993[321]
The Zung self-rating Scale - depressive mood	Elderly people	58	$-.42_P$	Rennemark M. 1999[322]
Well-being Scale: depression	HIV-patients and controls	514	$-.64^a$ $-.47^b$	Cederfjäll C. 2001[29]
Hardiness				
Health-Related Hardiness Scale	Post-liver transplant recipients	230	$.46_P$	Newton S. 1999[83]
Personal Views Survey	Students	336	.43	Smith T.L. 1997[114]
Third Generation Hardiness Scale - commitment - challenge	Patients with CHD	164	 .48 .31	Kravets S. 1993[63]

- control			.45	
Hope/Hopelessness				
Beck Hopelessness Scale	University undergraduates	298	-.52[a] -.65[b]	Edwards M J. 2001[43]
Herth Hope Index (HHI)	Elderly people	152	.55	Coward D.D. 1996[151]
Herth Hope Index (HHI)	African American breast cancer survivors	162	.54$_S$	Gibson L. 2003[323]
Rheumatology Attitude Index (RAI) - helplessness	Patients with Scleroderma	50	 -.35	Matsuura E. 2003[205]
Locus of Control				
Internal Control Index	Students	336	.57	Smith T.L. 1997[114]
Locus of Control (LOC)	Occupational therapy students and controls	71 651	 -.31	Bränholm I-B. 1998[18]
Locus of Control (LOC)	Middle-aged subjects at high-risk for psychiatric disturbances	148	.44$_P$	Cederblad M. 1996[23, 26] Dahlin L. 1993[26]
Locus of Control (LOC)	Adult college students	105	-.48	Flannery R.B. 1994[317]
Locus of Control (LOC)	Patients with CHD	164	.26	Kravets S. 1993[63]
Locus of Control (LOC) - chance	Male office workers	125	 .34	Nakamura M. 2001[80]
Rosenbaum's Self-Control Schedule	Nursing students	95	.13 ns	Thorell-Ekstrand I. 1993[124]
Spheres of Control Battery – LOC	College students	52	.52	Amirkhan J.H 2003[1, 324]
Mastery				
Mastery Orientation Inventory	Middle-aged subjects at high-risk for psychiatric disturbances	148	.59	Cederblad M. 1996[23, 26] Dahlin L. 1993[26]
Mastery Orientation Inventory	Students	336	.58	Smith T.L. 1997[114]
Mastery Scale	General population	439	.54	Pallant J. 2002[214]
Mastery Scale	Older adults	119	-.31	Smits C. 1995[297]
Mastery Scale	General population	20579	-.50	Surtees P. 2003[304]
Optimism				
Life Orientation Test	College students	112	.59	Adams T.B. 2000[134]
Life Orientation Test (revised)	Students	202	.66	Ebert S. 2002[42]
Life Orientation Test	General population	439	.53	Pallant J. 2002[214]
Life Purpose Scale	College students	112	.60	Adams T B. 2000[134]
Purpose in Life Test	College students	133	.87	Bigler M. 2001[10]
Purpose in Life Test	Parents with children with autistic spectrum disorders and parents with non-autistic children	66 66	.72	Sivberg B. 2002[325]
Personality				
Bond's Defence Style Questionnaire (DSQ) - mature defence style - neurotic defence style - borderline defence style - immature defence style	Psychiatric outpatients and controls	441	 .31 -.20 -.38 -.78	Sammallahti P. 1996, 1997[105, 312]
Child Behaviour Checklist (CBCL) - externalising - internalising	Adult family members	456	 -.27 -.28	Cederblad M. 2003[28]
Eysenck Personality Inventory - neuroticism - extraversion	Students	95	 -.46 ns	Gibson L. 1996[308]
Eysenck Personality Questionnaire (EPQ-N) - neuroticism	Patients with Gallbladder Stones disease	28	-.73	Svebak S. 2000[237]

Eysenck Personality Questionnaire (EPQ-R)	General population	20579		Surtees P. 2003[304]
- neuroticism			-.45	
- extroversion			-.23	
NEO Five Factor Inventory	Students	202		Ebert S. 2002[42]
- neuroticism			-.72	
- extraversion			.42	
- openness			ns	
- agreeableness			.34	
- conscientiousness			.46	
NEO Five Factor Inventory	Adolescents	115		Ruiselova Z. 2000[326]
- neuroticism			-.48 - -.67	
- agreeableness			.31	
- conscientiousness			.37	
	Pediatricians	53		
- neuroticism			-.54	
- extraversion			.59	
- agreeableness			.50	
- conscientiousness			.47	
NEO Five Factor Inventory	Elderly women	82		Reuiselova Z. 2002[327]
- neuroticism			-.62	
- extraversion			ns	
- openness			.28	
- agreeableness			.39	
- conscientiousness			.33	
Karolinska Scales of Personality (KSP)	Obese patients	33		Björvell H. 1994[12]
- impulsiveness			$.24_P$	
- monotony avoidance			$.39_P$	
- detachment			$-.33_P$	
- socialization			$.47_P$	
- aggression			$-.04_P$	
- hostility			$-.71_P$	
- inhibition of aggression			$-.65_P$	
Karolinska Scales of Personality (KSP)	Healthy nurses and patients (overweight, cancer)	80		Langius A. 1996[67]
- hostility			-.71--.77	
Munich Personality Test (MPT)	Traffic accident victims	51		Frommberger U. 1999[49]
- extraversion			.28	
- neuroticism			-.53	
- frustration tolerance			.60	
Personal Project Inventory	University students	117		Salmela-Aro K. 1992[104]
- accomplishment			$.65_P$	
- negative affect			$-.25_P$	
- self			$-.19_P$	
- work			$.24_P$	
- routines			$.18_P$	
Positive and Negative Affect Scale	Adults with cleft lip	51		Cochrane W. 1999[149]
- positive affect			.58	
- negative affect			-.66	
Positive and Negative Affect Scale	General population	439		Pallant J. 2002[214]
- positive affect			.43	
- negative affect			-.55	
Positive and Negative Affect Scale	Male supervisors	79		Strümpfer D. 1997[328]
- negative affect			-.30	
Self-concept Clarity Scale (SCC)	College students	133	69	Bigler M. 2001[10]
Self-concept Differentiation (SCD)	College students	133	-.34	Bigler M. 2001[10]
Self-Disclosure Situations Survey (SDSS)	College students	133	.09	Bigler M. 2001[10]
- flexibility				
Self Motivation Inventory (SMI)	Obese patients	33	-.55	Björvell H. 1994[12]
Sixteen Personality Factor Questionnaire (16PF)	Undergraduates	100		Mlonzi EN. 1998[316]
- extraversion			.51	
- tough poise			.35, male ns	
- independence			.41, male ns	

- control			.39	
Teacher's Report Form (TRF)	Adult family members	456		Cederblad M. 2003[28]
- externalising			-.16	
- internalising			-.10	
Test of Negative Social Exchange	Homeless women and low-income housed women	113 116		Ingram K. 1996[176]
- hostility			-.42	
- interference			-.37	
- insensitivity			-.49	
- ridicule			-.31	
Resilience				
Resilience Scale for Adults (RSA)	Patients and controls	59 276		Friborg O. 2003[48]
- personal competence			.75	
- social competence			.44	
- family coherence			.45	
- social support			.29	
- personal structure			.33	
Self-esteem/Self-efficacy				
Deusingers' Multidimensional	Military officers,	155	.29,.52	Ruiselova Z. 1995[329]
Self-Concept Questionnaire (FSKN)	physicians and	27	.52,.61	
	students	101	.27,.64	
Generalized Self-efficacy Scale	College students	52	.46	Amirkhan J.H 2003[1]
Greer-Burgers Self-Esteem Scale (SEG)	Elderly people	152	.53	Coward D.D. 1996[151]
Rosenberg Self-Esteem Scale (SER)	College students	133	.75	Bigler M. 2001[10]
Rosenberg Self-Esteem Scale (SER)	Adult family members	456	.33	Cederblad M. 2003[28]
Rosenberg Self-Esteem Scale (SER)	Elderly people	152	.52	Coward D.D. 1996[151]
Rosenberg Self-Esteem Scale (SER)	Homeless substance-abusers with children	72	.57	Flick L.H. 1998[45]
Rosenberg Self-Esteem Scale (SER)	General population	439	.61	Pallant J. 2002[214]
Self-Efficacy Scale (SES)	Students	336		Smith T.L. 1997[114]
- general self-efficacy			.66	
- social self-efficacy			.44	
Self-Efficacy Scale (SES)	Retired subjects	363	.10	Wells Y.D. 1999[246]
Self-Esteem Inventory (SEI)	Homeless drug-abusing minority women	581	.63$_P$	Nyamathi A. 1992[292]
Self-Trancendence Scale (STS)	Elderly people	152	.58	Coward D.D. 1996[151]

[a] male [b] female
[1] psychological distress: poor self-esteem, hopelessness, helplessness, confused thinking, sadness, anxiety, psycho-physiological symptoms
[2] corrected by personal communication with the third author.
A = Time

Instruments measuring perceived stressors

Variable/Measure	Sample	N	Coeff r	First author
Life events				
Family Inventory of Life Events and Changes (FILE)	Israeli Jewish women with disabilities and controls	94 94	-.25$_P$	Florian V. 1994[46]
Impact of Event Scale (IES)	Traffic accident victims	51	-.50$_P$ -.52$_P$	Frommberger U 1999[49]
Impact of Event Scale (IES-15)	Swedish ambulance personnel	362	-.30$_S$	Jonsson A. 2003[179]
Impact of Event Scale (IES)	Women with perinatal bereavement	109		Uren T.H. 2002[125]
- intrusion			-.42	
- avoidance			-.52	
- hyper arousal symptom			-.53	

The Life Experience Survey (LES)	Singaporean subjects	186	-.19	Bishop GD. 1993[163]
Perinatal Grief Scale (PGS)	Women with perinatal bereavement	109	.71	Uren T.H. 2002[125]
Brief Symptom Inventory(BSI) - current psychological distress	Women with perinatal bereavement	109	-.69	Uren T.H. 2002[125]
Parent Perception Inventory (PPI)	Parents with children with Down's syndrome and controls	334	-.46$_P$ -.54$_P$	Hedov G. 2002[171]
Perceived stressors				
Brief Symptom Inventory (BSI)	Women referred to a breast health clinic	314	-.15$_S$	Gilbar O. 2003[54]
COPE – Brief	Students	202		Ebert S. 2002[42]
- approach coping			.24	
- avoidance coping			-.58	
COPE	General population	439		Pallant J. 2002[214]
- behavioural disengagement			-.41	
- active			.37	
- plan			.33	
- denial			-.24	
- reinterpretation			.22	
- drug			-.18	
- mental disengagement			-.11	
- instrumental social support			.10	
Coping Strategy Indicator (CSI)	College students	52		Amirkhan J.H 2003[1, 324]
- problem-solving			.26	
- seeking social support			.14 ns	
- avoidance			-.29	
Critical Care Nursing Stress Scale	Critical care nurses	35	-.20 ns	Yam B. 2003[250]
Daily environmental Hassles Scale (DEH)	Homeless women and low-income housed women	113 116	-.40	Ingram K. 1996[176]
Evaluating and Nurturing Relationship Issues Communication and Happiness Scale (ENRICH)	Israeli Jewish women with disabilities and controls	94 94	.44$_P$	Florian V. 1994[46]
Family-COPES	Dialysis patients	40		Senka J. 1995[330]
- internal			.36	
Family Crisis-Oriented Personal Scales (F-COPE)	Israeli Jewish women with disabilities and controls	94 94		Florian V. 1994[46]
- active coping			.44$_P$	
- passive coping			-.13$_P$	
Family Impact Questionnaire	Parents with children with autistic spectrum disorders and parents with non-autistic children	66		Sivberg B. 2002[325]
- loving care		66	-.04 ns	
- worry			-.12 ns	
- stress			-.34	
- guilt-feelings			-.18 ns	
Family Straits	Dialysis patients	40	.60	Senka J. 1995[330]
Hassles and Uplifts Scale	Singaporean subjects	186	-.35	Bishop GD 1993[11, 331]
Hassles and Uplifts Scale	Israeli Jewish women with disabilities and controls	94 94	-.48$_P$	Florian V. 1994[46]
Hassles and Uplifts Scale	French adults	193	-.25	Gana K. 2001[315]
Hassles and Uplifts Scale	Students	336	-.46$_P$	Smith T.L. 1997[114]
Jalowiec Coping Scale (JCS-40)	Patients with chronic renal failure	48		Klang B. 1996[188]
- confrontational			.18$_P$ ns	
- emotive			-.43$_P$	
- palliative			-.32$_P$	
Nursing Stress Scale (NSS)	Dialysis nurses	238	-.39$_P$	Lewis S. 1992[69]
Occupational Stress Questionnaire - job complexity	Industrial design personnel	422		Toppinen-Tanner S. 2003[241]

- autonomy			$.33_P$	
- role clarity			$.34_P$	
- time pressure			$.47_P$	
- competence			$-.08_P$ ns	
- psychological symptoms			$.63_P$	
			$-.66_P$	
Perceived Stress Scale (PSS-10)	General population	439	-.65	Pallant J. 2002[214]
Perceived Stress Scale	Students	336	$-.64_P$	Smith T.L. 1997[114]
Perceived Stress Scale	Critical care nurses	35	-.64	Yam B. 2003[250]
Recent Sexual Harassment Scale	Homeless women and low-income housed women	113 116	-.29	Ingram K. 1996[176]
Sexual Experiences Survey (SES)	Homeless women and low-income housed women	113 116	-.26	Ingram K. 1996[176]
Time Management Behavior Scale (TMBS)	Undergraduate college students	137	.37 - .57	Shahani C. 1993[332]
Post Traumatic Stress Disorder				
PTSD-Interview (PTSD-I)	Fire fighters	464		Dudek B. 2000[41]
- trauma reexperiencing			-.19	
- avoidance			-.27	
- arousal			-.24	
- trauma (global score)			-.27	
Post-Traumatic Stress Scale (PSS)	Traffic accident victims	51	$-.58_P$ $-.59_P$	Frommberger U. 1999[49]
Post Traumatic Symptom Scale (PTSS-10)	Swedish ambulance personnel	362	$-.40_S$	Jonsson A. 2003[179]
The Child PTSD Reaction Index (CPTSD-RI)	Juvenile delinquents	159	-.45	Koposov RA. 2003[23]

ns = not significant
[e] significant, the level not mentioned [f] partly significant, partly not significant
r_S = Spearman's rank correlation coefficient r_P = Pearson's product moment correlation coefficient

Instruments measuring quality of life and wellbeing

Measure/Variable	Sample	N	Coeff r	First author
Quality of Life				
EORTC Quality-of-Life Questionnaire (QOL-C30)	Cancer patients	20	$.67_{St1}$ $.39_{St2}$ ns $.17_{St3}$ ns	Wettergren L. 1997[247]
Flanagan Quality of Life Scale	Persons with CHD survived cardiac arrest	149	.73	Motzer S. 1996[209]
Flanagan Quality of Life Scale	Women with IBS and healthy controls	324	$.66_P$	Motzer Adams S. 2003[79]
Lancashire Quality of Life Profile (LQOLP)	Schizophrenic patients	120	$.60_S$	Bengtsson-Tops A. 2000[8]
Life Satisfaction checklist (LiSat 9)	Patients with multiple trauma	69		Anke A. 2003[138]
- life as a whole			.43	
- sexual life			ns	
- partner relations			.60	
- family life			.47	
- contacts with friends			.21	
- vocational situation			ns	
Life Satisfaction Domain Raiting	Patients attending home	28	.69	Horsburgh M.

Scale (LSDRS)	dialysis and their spouses			1998[57]
Life Satisfaction Index (LSI)	Older males	199	.44	Brooks J.D. 1998[144]
Life Satisfaction Index Z	Patients attending home dialysis and their spouses	28	.72	Horsburgh M. 1998[57]
LiSat Checklist	Patients with severe multiple trauma	26	$.42_{S\ t1}$ $.40_{S\ t2}$ $.57_{S\ t3}$	Snekkevik H. 2003[229]
Nottingham Health Profile (NHP)	Patients with lower limb ischaemia and healthy controls	112 102	$-.51_{S}$	Klevsgård R. 2000[333]
Psychological Well-Being Subscale, Quality of Life/Breast Cancer Version	African American breast cancer survivors	162	$.59_{S}$	Gibson L. 2003[323]
Quality of Life	Middle-aged psychiatric high-risk subjects	148	$.77_{P}$	Cederblad M. 1996[309]
Quality of Life	Families with subjects diagnosed with serious illness	78	$.55_{P}$	Hoehn Anderson K. 1998[270]
Quality of Life Questionnaire-C30 - physical - role - emotional - social - cognitive	Men with prostate cancer and men with benign prostatic hyperplasia	71 37	$.52_{S}$ $.07_{S}$ ns $.71_{S}$ ns $.55_{S}$ $.50_{S}$ $.49_{S}$	Jakobsson L. 2002[177]
Satisfaction with Life Domains	General population	3515	.68-.72	Schumann A. 2003[296]
Satisfaction with Life Question	Patients attending home dialysis and their spouses	28	.60	Horsburgh M. 1998[57]
Satisfaction with Life Scale (SWLS)	Adults with cleft lip	51	.74	Cochrane W. 1999[149]
Satisfaction with Life Scale (SWLS)	General population	439	.53	Pallant J. 2002[214]
Satisfaction with Life Scale (SWLS)	General population	3515	.67-.74	Schumann A. 2003[296]
Spiritual Perspective Scale	African American breast cancer survivors	162	$.16_{S}$	Gibson L. 2003[323]
The World Health Organization Quality of Life Scale (WHOQOL-BREF) - physical capacity - psychological capacity - social relationships - environment	Patients with total spinal cord transaction and healthy controls	20 20	 .69 .76 .62 .74	O'Carroll R.E. 2003[87]
The World Health Organization Quality of Life Scale (WHOQOL-BREF) - psychological capacity	Japanese civil servants	1392	.51	Nasermoaddeli A. 2003[334]
Wellbeing				
Affect Balance Scale (ABS) - emotional wellbeing	Elderly people	152	$.67_{P}$	Coward D.D. 1996[151]
Affect Balance Scale (ABS) - global wellbeing	Older adults	119	.24	Smits C. 1995[297]
Cognitive Well-being Scale(CWB) - emotional well-being	Elderly people	152	$.65_{P}$	Coward D.D. 1996[151]
Index of Marital Satisfaction Scale (IMS)	Handicapped and their spouses	152	-.38	Rena F. 1998[98]
Perceived Wellness Survey (PWS)	College students	112	$.66_{P}$	Adams T.B. 2000[134]

Profile of Mood States (POMS-Short form) - emotional wellbeing	Elderly people	152	$-.68_P$	Coward D.D. 1996[151]
Purpose-in-Life Test (PIL)	Elderly people	152	$.73_P$	Coward D.D. 1996[151]
Purpose-in-Life Test (PIL)	University under-graduates	151 147	.74[c] .72[d]	Edwards M. 2001[43]
Scales of Psychological Well-being	College students with disabilities	89	$.87_P$	Lustig D.C. 2000[72]
Wellbeing Measure[e)]	Diabetic persons	20	$-.65_P$	Lundman B. 1993[321]
Well-being Scale - positive wellbeing - energy	HIV-infected patients and controls	514	$.61_P$[c] $.53_P$[d] $.61_P$[c,d]	Cederfjäll C. 2001[29]

[c)] male [d)] female [e)] Interpretationof the scale: the lower the level the higher the well-being.
r_S = Spearman's rank correlation coefficient r_P = Pearson's product moment correlation coefficient

Instruments measuring attitudes and behaviours

Measure/Variable	Sample	N	Coeff r	First author
Attitudes towards disability				
Acceptance of Disability Scale Modified (ADM)	Insulin-dependent diabetic subjects	107	$.51_P$	Richardson A. 2001[100]
Acceptance of Disability Scale	Handicapped and spouses	152	.67	Rena F. 1998[98]
Attitudes towards Disability Scale modified (ADM)	Swedish patients with EDS	77	.59	Berglund B. 2003[9]
Rheumatology Attitudes Index (RAI)	Patients with rheumatoid arthritis (RA)	828	-.43[a] -.39[b]	Callahan L. 1995[20]
Coping ability				
Defence Style Questionnaire (DSQ, Bond's) - mature defence style - neurotic defence style - borderline defence style	Psychiatric outpatients and community controls	441	 $.31_P$ $-.20_P$ $-.78_P$	Sammallahti P. 1996[105]
Health belief				
Health Belief Scale (HBS) - bio-medical model (BM) - holistic-functional (HF) model - HF-BM model	General polish population	60	 -.12 ns .25 .27	Pasikowski T. 1994[335]
Health Opinion Survey (HOS)	Daughters of women with breast cancer and healthy women	45 51	$.32_P$	Gilbar O. 1998[53]
Social skills				
Career Thoughts Inventory - Decision Making Confusion Scale - Commitment Anxiety Scale - External Conflict Scale	Female college students	145	-.35 -.31 -.37 -.29	Lustig D. 2002[73]
Florida Health and Family Life Instrument - psychosocial dysfunction	Refugees	2234	 .32	Ying Y-W. 1997[314]
Health Survey Questionnaire (SF-36) - social functioning	Patients with RA and traffic accident victims	89 112	 $.37_P$	Schnyder U. 1999[109]

Interview Schedule for Social Interaction	HIV-infected patients and controls	514	$.20_P$[a] $.60_P$[b]	Cederfjäll C. 2001[29]
Multidimensional Scale of Perceived Social Support	Patients with acute myocardial infarction	290	.51	Drory Y. 1999[320]
Multidimensional Scale of Perceived Social Support	Israeli Jewish women with disabilities and controls	94 94	$.60_P$	Florian V. 1994[46]
The Perceived Competence Scale for Children	Adult family members	456		Cederblad M. 2003[28]
- social			.13	
- school			.17	
The Perceived Social Support Index (PSS)	Canadians	17626	$.21_P$	Wolff A.C. 1999[249]
Personal Views Survey	Students	336	$.43_P$	Smith T.L. 1997[114]
Social Activities and Distress Scale (SADS)	Adult with cleft lip	51	-.69	Cochrane W. 1999[149]
Social Desirability Scale (SDS)	Occupational therapy students and controls	71 651	$.31_S$	Bränholm I-B. 1998[18]
Social Desirability Scale (SDS)	General population	439	.26	Pallant J. 2002[214]
Social Health Scale (SHS)	Older males	199	.27	Brooks J.D. 1998[144]
Social Inadequacy Scale	Older adults	90	-.21	Smits C. 1995[297]
Social Support Appraisal Scale (SS-A)	General population	3515	.55-.59	Schumann A. 2003[296]
Social Support Index	Adult college students	105	-.47	Flannery R.B. 1994[317]
Social Support Questionnaire	Homeless women and low-income housed women	113 116		Ingram K. 1996[176]
- satisfaction			.42	
- number			.08 ns	
Social Support Scale	Homeless drug-abusing minority women	581	$.14_P$	Nyamathi A. 1992[292]
Work Personality Profile Self-Report (WPP-SR)	College students	156		Strauser D. 2003[115]
- task orientation			$.32_P$	
- social skills			$.26_P$	
- work motivation			$.23_P$	
- work conformance			$.42_P$	
- personal presentation			$.28_P$	

[a] SOC-29 [b] SOC-13 ns = not significant r_S = Spearman's rank correlation coefficient r_P = Pearson's product moment correlation coefficient t = time

Table 6. Sense of Coherence Scale: means and standard deviation of the subscales from published studies 1992- 2003.

SOC items	Comprehensibility M (SD)	Manageability M (SD)	Meaningfulness M (SD)	First author
9	2.85 (0.2)	2.69 (0.3)	2.80 (0.3)	Forsgärde M. 2000[265]
	2.83 (0.3)	2.63 (0.3)	2.80 (0.2)	
	2.78 (0.3)	2.58 (0.4)	2.67 (0.3)	
	2.68 (0.4)	2.56 (0.4)	2.69 (0.3)	
13	23.50 (3.8)	25.00 (3.4)	23.80 (3.6)	Ekman I. 2002[155]
	24.40 (3.7)	25.00 (3.4)	24.20 (3.7)	
13	65.00[a] (21.8)[g]	72.40[a] (21.6)[g]	76.10[a] (20.3)[g]	Guldvog B. 1999[168]
13	22.60 (5.1)	18.80 (3.6)	19.70 (4.0)	Tang S.T. 2002[240]
	22.50 (4.9)	18.20 (3.8)	20.00 (4.0)	
13	27.35 (5.4)	22.01 (4.4)	23.02 (4.1)	Wells Y.D. 1997[245]
	25.88 (5.4)	20.89 (5.1)	21.77 (4.3)	
13	21.04[b] (3.9)[g]	20.72[b] (4.3)[g]	28.80[c] (6.0)[g]	Abrahamsson A. 2002[133]
26-F	37.08 (8.9)	43.10 (9.7)	44.38 (8.4)	Hoehn Andersson K.

				1998[270]
29	50.80 (12.2)	52.50 (10.2)	40.90 (9.2)	Büchi S. 1998[19]
29	34.38 (8.3)	36.53 (8.3)	29.66 (9.7)	Carstens J. 1997[21]
	45.24 (9.8)	49.26 (9.5)	42.74 (7.2)	
29	49.26 (7.5)	46.17 (5.0)	50.96 (8.1)	Cilliers F. 2003[32]
29	50.32 (9.0)	53.01 (7.4)	45.12 (5.8)	Dudek B. 2000[41]
29	39.55 (8.3)	34.04 (6.5)	32.00 (4.5)	Ekblad S. 1997[336]
29	45.50 (10.5)	48.70 (10.5)	42.00 (8.4)	Lustig D. 2000[72]
29	43.60 (10.0)	46.93 (8.7)	41.30 (7.6)	Pasikowski T. 1994[335]
29	41.58[h] (0.88)[g]	41.50[i] (1.06)[g]	36.48[i] (1.16)[g]	Sandell R. 1998[106]
	44.88[h] (0.82)[g]	45.40[i] (0.98)[g]	40.32[i] (1.14)[g]	
	53.13[h] (0.82)[g]	55.20[i] (0.86)[g]	45.04[i] (0.90)[g]	
	47.96[h] (0.82)[g]	51.80[i] (0.92)[g]	42.88[i] (1.05)[g]	

[a] adjusted scale range 0-100 [b] here multiplied by 4 [c] here multiplied by 5 [g] SD cannot be corrected [h] here multiplied by 11 [i] here multiplied by 10 [j] here multiplied by 8

Table 7. Sense of Coherence Scale: Gender differences in means and standard deviation from published studies 1992-2002.

SOC Items	Sample	N	Men M (SD)	Women M (SD)	Diff ±	First author
7	Finns	1861	22.18 (0.19)	22.25 (0.18)	0.07	Niemelä M. 2002[291]
9	Substance abusers	60	2.71 (0.60)	2.44 (0 .60)	0.27	Andersen S. 2001[253]
9	Employees	2053	78.84 (14.25)	82.04 (12.57)	3.20	Albertsen K. 2001[251]
9	Government employees	763	47.27 (7.26)	46.12 (7.32)	1.15	Kivimäki M. 1997[275]
9	Older adults	952	36.30 (4.30)	35.60 (4.50)	0.70	Midanik L.T. 1992[288]
13	Patients with hypertension	238	58.90	67.90	9.00	Anson O. 1993[140]
13	Family care-givers	305	67.50 (13.20)	69.30 (12.50)	1.80	Chumbler N. 2003[148]
13	Former workers	344	67.90 (12.24)	66.50 (12.05)	1.40	Johansson Hanse J. 1999[178]
13	Municipal employees	2991	4.93 (0.79)	4.97 (0.80)	0.04	Kivimäki M. 2002[186]
13	Swedes	2003	65 04 (10.39)	64.02 (11.36)	1.02	Larsson G. 1996[196]
13	General population	1254	70.73_{t1} 68.70_{t2}	70.92_{t1} 69.04_{t2}	0.19 0.34	Nilsson B 2003[212]
13	Parents with children with	259	69.10 (11.90)	64.40 (14.50)	4.70	Olsson M.B. 2002[213]
	intellectual disability and	109	65.20 (12.00)	59.90 (14.40)	5.30	
	controls	381	69.50 (10.80)	69.10 (10.80)	0.40	
13	Swedish ambulance	362	69.90 (8.57)	70.54 (9.72)	0.64	Jonsson A. 2003[179]
	personnel		65.57 (10.30)	66.30 (9.93)	0.73	
13	Diabetic patients	88	73.90 (12.10)	71.00 (11.70)	2.90	Sandén-Eriksson B. 2000[221]
13	Unemployed people	1249	54.41 (14.10)	55 19 (14 20)	0.78	Starrin B. 2001[232]
13	General population	21101	68.44	67.26		Suominen S. 2002[236]
			63.98	62.33		
			59.22	58.29		
			55.25	53.70		
			51.94	49.78		
13	Employees	103	67.00[a]	66.00[a]	1.00	Söderfeldt M. 2000[238]
16	Finns	3115	9.55 (1.17)	9.50 (1.20)	0.05	Suominen S. 1993[301]
29	Patients with musculoskeletal pain	189	155.00 (23.00)	149.00 (24.00)	6.00	Atroshi I. 2002[2]
29	College students	294	4.33 (0.59)	4.22 (0.54)	0.11	Ben-David A. 1996[5]
			4.85 (0.57)	4.46 (0.72)	0.39	
29	Schitzophrenic patients	120	134.00 (13.00)	123.00 (53.00)	11.00	Bengtsson-Tops A. 2000[8]
29	HIV-infected patients and	189	142.00 (23.00)	133.00 (20.00)	9.00	Cederfjäll C. 2001[29]
	healthy controls	145	152.00 (17.00)	151.00 (19.00)	1.00	
29	University under-graduates	298	133.21 (20.35)	132.91 (19.92)	0.30	Edwards M.J. 2001[43]
29	Kibbutz members	228	150.80 (19.80)	146.40 (22.90)	4.40	Kark J.D. 1996[60]
		209	147.10 (19.10)	142.30 (20.00)	4.80	
29	Cancer patients and	42	158.00 (17.00)	137.00 (22.00)	21.00	Langius A. 1994[66]

	healthy controls					
29	Parents of handicapped and non-handicapped children	78 83	5.09 (0.66) 5.24 (0.62)	4.81 (0.86) 5.04 (0.58)	0.28 0.20	Margalit M. 1992[76]
29	Swedish employees	194	151.00 (17.00)	145.00 (18.00)	6.00	Runeson R. 2003[101]
29	College students	270	132.30 (21.10)	129.80 (20.70)	2.50	Skirka N. 2000[113]
29	Multicultural group of subjects	550	139.57 (21.18)	134.07 (21.83)	5.50	Wissing M. 2002[126]
29	Nondiabetic older adults	73 69	158.60 (17.40) 158.90 (17.80) 164.50 (17.10) 161.70 (15.50)	141.90 (26.30) 141.20 (24.60) 160.50 (22.10) 159.90 (21.70)	16.70 17.70 4.00 1.80	Zhang J. 2001[127]

[a] SOC index transformed to range between 0 and 100; t = time

Table 8. Sense of Coherence Scale: Divisions into low to high based on published studies 1992-2003.

SOC-29 (7-point Likert scale range from 29-203)	**First author**
Weak vs strong, cut point = median	Amirkhan J.H. 2003[1]
Low = percentiles 1-33, high = percentiles 67-100	Cederblad M. 2003[28]
Low = below median, high = above median	Gibson L.M. 1997[337]
Low = 113.1 points, medium = 135 6 point, high = 158.1 point	Jorgensen R.S. 1999[58]
Weak, moderate, strong – quartiles	Karlsson I. 2000[184]
Low/weak = 25 %, moderate = 50 %, high = 25 % - percentiles	Langius A. 1996[67]
Lower = mean 101.37, middle = mean 141.15, upper = mean 168.30	McSherry W.C. 1994[338]
Unfavorable = ≤ 136 points, intermediate = ≥ 137 - ≤ 148 points, favorable = ≥ 149 points	Nilsson B.[84]
Lowest, rather low, medium, rather high, highest (quintiles) Weak, moderate, strong (tertiles)	Poppius E. 1999[92] Poppius E. 2003[93]
Low/high Cut point = median score	Rena F. 1998[98]
Low = ≤ 136 points, high = ≥ 136 points	Shiu A. T-Y. 1998[112]
Low = 0-10 %, middle high = 45-55 %, high = 90-100%	Svartvik L. 2002[117]
SOC-13 (7-point Likert scale range from 13-91)	**First author**
Low = mean score or lower, high = higher than mean score	Abel T. Et al 1999[132]
Low = 1.0-4.4 points, <middle = 4.5-5.0 points, >middle = 5.1-5.6 points, high = 5.7-7.0 points	Due E.P. et al 1998[152]
Group 1 = 23-39 points, group 2 = 40-56 points, group 3 = 57-73 points, group 4 = 74-90 points	Feldt T. 2000[339]

Low = 20-50 points, moderate = 51-70 points, high = 71-88 points (quartiles)	Gottlieb A. 1998[166]
Weak = < 63 points, medium = 64-72 points, strong = 72 points	Harri M. 1998[169]
Weak = 27-60 points, moderate = 61-74 points, strong = 75-87 points	Hedov G. 2002[171]
Low=0-55 points, medium=56-65 points, high=66-78 points	Ibrahim S. 2001[340]
Low = below the median, high = above the median	Johansson Hanse 1999[178]
High = ≥ 74.77-76.77 points (VAS/adjusted scale range 1-100 mm)	Karlsson I. 2002[61]
Weak=42-59 points (25%), moderate=60-77 points (505), strong=78-83 points (25%)	Klang B. 1996[189]
Low, high – cut off = median	Korotkov D.L. 1993[341]
Low, high/medium dichotomised at the lower tertil	Krantz G. 2000[193]
Low/weak = 25 %, moderate = 50 %, high = 25 % - percentiles	Langius A. 1993[65], 1994[66], 1996[67]
Weak = 35-60 points, moderate = 61-75 points, strong = 76-91 points	Mendel B. 2001[208]
Low = ≤ 69 points, high = ≥ 69 points (median)	Olsson M.B. 2002[213]
Low = 13-19 points, moderate = 40-65 points, high = 66-91 points	Persson D. 1999[342]
Low = < 49 points High = ≥ 67 points	Starrin B. 2001[232] Stephens T. 1999[234]
SOC-modified scales	
Low = 3-6 points, high 0-2 points (SOC-3, 3 reply choices)	Avlund K. 2003[255]
Low = 3-6 points, high 0-2 points (SOC-3, 3 reply choices)	Berntsson L. 2000[261]
High = ≥ 60 points (SOC-12)	Eriksson N-G. 1996[264]
Poor = 3 points or more	Grøholt E-K. 2003[266]
Low = 3-6 points, medium = 1-2 points, high = 0 point (SOC-3, 3-point scale)	Jahnsen R. 2002[272]
Low = below the median, high = above the median (SOC-9, 3 reply choices)	Johansson I. 1998[343]
Low = 0-2, 3+ , high = 0, 1+ (SOC-3, 3 reply choices)	Lundberg O. 1994[283], 1995[284]
Weak, strong In this study low scores = strong SOC (SOC-9, 5-point scale)	Larsson G. 1994[281]
Low =< 31 points, moderate =31-39 points, high 40-45 points (SOC-9, 5-point scale)	Midanik L.T. 1992[288]
Low = > 0 point, high/perfect = 0 point (SOC-3, 3 reply choices)	Ristner G. 2000[344]
Low = > 0 (SOC-3, 5 response choices)	Sundquist J. 2000[300]
Low and high – two groups of equal size (SOC-16, 4-point scale)	Suominen S. 1999[302]
Low, medium, high – groups of equal size (SOC-16, 4 –point scale)	Suominen S. 2001[303]

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