

	ROLE EMOTIONAL SCALE			SOCIAL FUNCTIONING SCALE		MENTAL HEALTH SCALE				
	Cut down on the amount of time you spent on work or other activities? (Question 5a)	Accomplished less than you would like? (Question 5b)	Did work or other activities less carefully than usual? (Question 5c)	Has your physical health or emotional problems interfered with your normal social activities? (Question 6)	Has your health limited your social activities? (Question 9j)	Have you been a very nervous person? (Question 9b)	Have you felt so down in the dumps that nothing could cheer you up? (Question 9c)	Have you felt calm and peaceful? (Question 9d)	Have you felt downhearted and blue? (Question 9f)	Have you been a happy person? (Question 9h)
Characteristic	No. Reporting Dysfunction/No. Responders (%)	No. Reporting Dysfunction/No. Responders (%)	No. Reporting Dysfunction/No. Responders (%)	No. Reporting Dysfunction/No. Responders (%)	No. Reporting Dysfunction/No. Responders (%)	No. Reporting Dysfunction/No. Responders (%)	No. Reporting Dysfunction/No. Responders (%)	No. Reporting Dysfunction/No. Responders (%)	No. Reporting Dysfunction/No. Responders (%)	No. Reporting Dysfunction/No. Responders (%)
Sex										
Male	610/5222 (11.7)	903/5221 (17.3)	670/5212 (12.9)	796/5300 (15.0)	847/5249 (16.1)	1328/5271 (25.2)	1018/5279 (19.3)	2000/5278 (37.9)	1530/5258 (29.1)	1139/5274 (21.6)
Female	846/4999 (16.9)	1155/4996 (23.1)	934/4974 (18.8)	1022/5081 (20.1)	1075/5026 (21.4)	1626/5065 (32.1)	1425/5064 (28.1)	2527/5062 (49.9)	1975/5050 (39.1)	1283/5065 (25.3)
Diagnosis										
Leukemia	321/2811 (11.4)	478/2812 (17.0)	368/2801 (13.0)	410/2852 (14.4)	374/2821 (13.3)	848/2833 (29.9)	686/2842 (24.1)	1190/2836 (42.0)	977/2827 (34.6)	559/2836 (19.7)
Hodgkin	93/732 (12.7)	132/730 (18.1)	113/731 (15.5)	104/737 (14.1)	101/734 (13.8)	197/736 (26.8)	144/738 (19.5)	316/739 (42.8)	231/738 (31.3)	182/737 (24.7)
NHL	75/527 (14.2)	110/530 (20.8)	90/525 (17.1)	85/531 (16.0)	84/527 (15.9)	133/531 (25.1)	110/530 (20.8)	236/530 (44.5)	160/528 (30.3)	133/530 (25.1)
CNS	437/2153 (20.3)	585/2153 (27.2)	455/2145 (21.2)	575/2230 (25.8)	717/2190 (32.7)	771/2213 (34.8)	643/2212 (29.1)	1091/2216 (49.2)	887/2201 (40.5)	666/2219 (30.0)
Neuroblastoma	55/424 (13.0)	79/425 (18.6)	59/423 (14.0)	72/426 (16.9)	66/423 (15.6)	100/426 (23.5)	107/426 (25.1)	177/424 (41.8)	145/425 (34.1)	98/406(23.2)
Non-Heritable Retinoblastoma	47/407 (11.6)	69/405 (17.0)	51/405 (12.6)	53/407 (13.0)	53/404 (13.1)	109/406 (26.9)	86/406 (21.2)	174/406 (42.9)	132/406 (32.5)	94/406 (23.2)
Heritable Retinoblastoma	43/288 (14.9)	68/290 (23.5)	42/288 (14.6)	48/293 (16.4)	49/291 (16.8)	66/292 (22.6)	62/292 (21.2)	111/293 (37.9)	88/292 (30.1)	65/293 (22.2)
Wilms	119/939 (12.7)	153/935 (16.4)	132/934 (14.1)	139/945 (14.7)	129/935 (13.8)	244/941 (25.8)	197/941 (20.9)	396/941 (41.9)	276/940 (29.3)	186/938 (19.8)
Bone Sarcoma	75/404 (18.6)	97/403 (24.1)	74/401 (18.5)	100/410 (24.4)	114/407 (28.0)	107/409 (26.2)	96/409 (23.5)	199/410 (48.5)	139/408 (34.1)	113/410 (27.6)
Soft Tissue Sarcoma	100/697 (14.4)	138/696 (19.8)	120/696 (17.2)	117/702 (16.7)	122/701 (17.4)	179/703 (25.5)	145/703 (20.6)	299/701 (42.7)	229/699 (32.8)	156/701 (22.3)
Other	91/839(10.9)	149/838 (17.8)	100/837 (12.0)	115/848 (13.6)	113/842 (13.4)	200/846 (24.6)	167/844 (19.8)	338/844 (41.1)	241/844 (28.9)	170/844 (20.1)
Age at Diagnosis										
Mean (range)	7.1(0-14.9)	7(0-14.9)	6.9(0-14.9)	7.0(0-14.9)	7.2(0-14.9)	6.5(0-14.9)	6.5(0-14.9)	6.8(0-14.9)	6.7(0-14.9)	7(0-14.9)
0-4 years	595/4711 (12.6)	837/4707 (17.8)	687/4697 (14.6)	762/4781 (15.9)	768/4736 (16.2)	1361/4764 (28.6)	1136/4767 (23.8)	1983/4761 (41.7)	1555/4752 (32.7)	1024/4766 (21.5)
5-9 years	403/2710 (14.9)	578/2708 (21.3)	427/2703 (15.8)	497/2754 (18.1)	537/2720 (19.7)	805/2731 (29.5)	644/2734 (23.6)	1216/2739 (44.4)	941/2723 (34.6)	646/2730 (23.7)
10-14 years	458/2800 (16.4)	643/2802 (23.0)	490/2786 (17.6)	559/2846 (19.6)	617/2819 (21.9)	788/2841 (27.7)	663/2842 (23.3)	1328/2840 (46.8)	1009/2833 (35.6)	752/2843 (26.5)
Radiotherapy										
No	313/2206 (14.2)	455/2210 (20.6)	336/2203 (15.3)	381/2233 (17.1)	430/2214 (19.4)	617/2232 (27.6)	534/2229 (24.0)	989/2227 (44.4)	770/2225 (34.6)	548/2226 (24.6)
Yes	782/5144 (15.2)	1079/5140 (21.0)	837/5119 (16.4)	999/5249 (19.0)	1060/5188 (20.4)	1500/5213 (28.8)	1263/5224 (24.2)	2329/5221 (44.6)	1828/5203 (35.1)	1255/5219 (24.1)
Chemotherapy										
No	535/3249 (16.5)	745/3248 (22.9)	556/3240 (17.2)	674/3322 (20.3)	802/3279 (24.5)	941/3309 (28.4)	809/3305 (24.5)	1505/3303 (45.6)	1186/3295 (36.0)	873/3305 (26.4)
Yes	510/7122 (13.2)	722/3872 (18.7)	574/3854 (14.9)	638/3918 (16.3)	612/3886 (15.8)	1104/3901 (28.3)	921/3910 (23.6)	1684/3907 (43.1)	1315/3895 (33.8)	843/3901 (21.6)
Surgery										
No	438/3353 (13.1)	625/3353 (18.6)	486/3340 (14.6)	864/4286 (20.2)	968/4235 (22.9)	980/3386 (28.9)	820/3393 (24.2)	1485/3390 (43.8)	1186/3383 (35.1)	1090/4268 (25.5)
Yes	679/4202 (16.2)	944/4200 (22.5)	713/4186 (17.0)	548/3402 (16.1)	546/3369 (16.2)	1198/4266 (28.1)	1018/4266 (23.9)	1928/4264 (45.2)	1478/4251 (34.8)	762/3384 (22.5)

Table 1: Frequency of reporting mental health dysfunction in the ten questions⁸ under investigation among survivors of childhood cancer in the British Childhood Cancer Survivor Study

Age at Questionnaire Completion										
Mean (range)	31.7(16.0-66.1)	31.5(16.0-66.1)	31.0(16.0-66.1)	31.5(16.0-70.0)	32.4(16.0-7.0)	29.7(16.0-70.0)	29.9(16.0-66.1)	30.6(16.0-70.0)	30.6(16.0-66.1)	31.5(16.1-70.0)
16-24 years	435/3704 (11.7)	643/3695 (17.4)	521/3693 (14.1)	549/3741 (14.7)	518/3705 (14.0)	1113/3727 (29.9)	864/3724 (23.2)	1505/3728 (40.4)	1182/3716 (31.8)	744/3726 (20.0)
25-34 years	523/3531 (14.8)	714/3529 (20.2)	562/3519 (16.0)	657/3587 (18.3)	705/3552 (19.9)	1038/3567 (29.1)	894/3579 (25.0)	1626/3572 (45.5)	1265/3564 (35.5)	862/3572 (24.1)
35-44 years	325/1976 (16.5)	456/1981 (23.0)	349/1973 (17.7)	400/2024 (19.8)	443/2008 (22.1)	533/2021 (26.4)	496/2023 (24.5)	956/2021 (47.3)	712/2013 (35.4)	538/2021 (26.6)
45+ years	173/1010 (17.1)	245/1012 (24.2)	172/1001 (17.2)	212/1029 (20.6)	256/1010 (25.4)	270/1021 (26.4)	189/1017 (18.6)	440/1019 (43.2)	346/1015 (34.1)	278/1020 (27.3)
Marital Status										
Single	785/5629 (14.0)	1125/5629 (20.0)	908/5619 (16.2)	1026/5741 (17.9)	1070/5674 (18.0)	1756/5705 (30.8)	1423/5717 (24.9)	2437/5712 (42.7)	1967/5695 (34.5)	1318/5715 (23.1)
Cohabiting	166/1034 (16.1)	229/1029 (22.3)	170/1029 (16.5)	192/1043 (18.4)	187/1036 (18.1)	264/1043 (25.3)	254/1043 (24.4)	492/1041 (47.3)	375/1042 (36.0)	269/1038 (25.9)
Married	338/2703 (12.5)	473/2702 (17.5)	345/2689 (12.8)	408/2723 (15.0)	451/2704 (16.7)	645/2720 (23.7)	500/2717 (18.4)	1172/2717 (43.1)	792/2711 (29.2)	561/2716 (20.7)
Separated	35/149 (23.5)	50/150 (33.3)	39/148 (26.4)	36/150 (24.0)	36/148 (24.3)	54/150 (36.0)	51/149 (34.2)	81/150 (54.0)	79/148 (53.4)	49/149 (32.9)
Divorced	86/440 (19.6)	118/442 (26.7)	93/438 (21.2)	104/447 (23.3)	112/442 (25.3)	145/444 (32.6)	132/441 (29.9)	217/444 (48.9)	182/444 (41.0)	144/445 (32.4)
Widowed	6/32 (18.8)	8/32 (25.0)	9/32 (28.1)	8/32 (25.0)	13/33 (39.4)	10/33 (30.3)	13/33(39.4)	17/33 (51.5)	13/32 (40.6)	11/33 (33.3)
Educational Attainment										
No qualifications	328/1433 (22.9)	416/1434 (29.0)	334/1418 (23.6)	453/1518 (29.8)	530/1475 (35.9)	544/1491 (36.5)	505/1489 (33.9)	761/1493 (51.0)	635/1482 (42.9)	456/1491 (30.6)
Other qualifications	219/1424 (15.4)	297/1421 (20.9)	231/1414 (16.3)	289/1447 (20.0)	312/1432 (21.8)	499/1435 (34.8)	417/1441 (28.9)	649/1439 (45.1)	541/1433 (37.8)	375/1440 (26.0)
O-level ^a	357/2836 (12.6)	516/2839 (18.2)	419/2837 (14.8)	433/2858 (15.2)	467/2835 (16.5)	780/2860 (27.3)	662/2855 (23.2)	1204/2858 (42.1)	972/2851 (34.1)	635/2853 (22.3)
A-level ^b	236/1919 (12.3)	358/1921 (18.6)	258/1917 (13.5)	274/1928 (14.2)	244/1916 (12.7)	493/1923 (25.6)	370/1928 (19.2)	786/1926 (40.8)	581/1922 (30.2)	400/1925 (20.8)
Teaching qualification	111/919 (12.1)	158/917 (17.2)	128/917 (14.0)	124/919 (13.5)	136/913 (14.9)	236/914 (25.8)	177/918 (19.3)	392/918 (42.7)	282/914 (30.9)	195/916 (21.3)
Degree	151/1416 (10.7)	248/1416 (17.5)	173/1416 (12.2)	176/1423 (12.4)	156/1415 (11.0)	299/1426 (21.0)	225/1423 (15.8)	610/1425 (42.8)	390/1420 (27.5)	290/1424(20.4)
Socioeconomic Classification (SEC)										
Student	206/1728 (11.9)	315/1725 (18.3)	241/1720 (14.0)	249/1738 (14.3)	232/1725 (13.5)	524/1733 (30.2)	351/1733 (20.3)	679/1734 (39.2)	512/1724 (29.7)	313/1733 (18.1)
Never worked/Unemployed	130/576 (22.6)	179/579 (30.9)	125/576 (21.7)	174/603 (28.9)	191/600 (31.8)	231/60 (38.5)	244/604 (40.4)	295/603 (48.9)	252/601 (41.9)	203/601 (33.8)
Routine/Manual	435/3086 (14.1)	598/3080 (19.4)	501/3071 (16.3)	540/3121 (17.3)	589/3083 (19.1)	944/3105 (30.4)	799/3103 (25.8)	1353/3102 (43.6)	1134/3102 (36.6)	754/3106 (24.3)
Intermediate	253/1840 (13.8)	365/1842 (19.8)	264/1838(14.4)	307/1847 (16.6)	316/1834 (17.2)	485/1844(26.3)	388/1843 (21.1)	807/1846 (43.7)	621/1836 (33.8)	423/1843 (23)
Managerial/Professional	236/2344 (10.1)	376/2345 (16.0)	276/2343 (11.8)	279/2353 (11.9)	275/2334 (11.8)	500/2354 (21.2)	382/2352 (16.2)	985/2352 (41.9)	645/2346 (27.5)	478/2349 (20.4)

^eTable 1 (*continued*): Frequency of reporting mental health dysfunction in the ten questions⁵ under investigation among survivors of childhood cancer in the British Childhood Cancer Survivor Study

⁵To view full questions, please refer to Figure 1

^aDegree received at age 16

^bDegree received at age 18