

Supplementary Table 1: Comparison of the mean scores of psychosocial burdens, health burdens and coping abilities in relation to groups of sociodemographic characteristics

Parameters	n (%)	Psychosocial burdens						
		Hospital factors*	Family/ social life factors*	Disease factors*	SCD- affected children's life factors*	Financial factors*	Health burden*	Coping ability*
Hospital								
FMCA	145 (64.7)	110.27	113.06	113.29	119.53	116.17	113.46	110.66
OOUTH	79 (35.3)	116.6 (0.483)	111.47 (0.86)	111.06 (0.805)	99.59 (0.026)	105.76 (0.247)	110.75 (0.762)	115.87 (0.562)
Gender								
Male	26 (11.6)	111.04	110.79	120.75	134.44	127.29	106.04	97.9
Female	198 (88.4)	112.69 (0.092)	112.72 (0.886)	111.42 (0.489)	109.62 (0.064)	110.56 (0.212)	113.35 (0.584)	114.42 (0.218)
Religion								
Islam	96 (42.9)	107.02	100.72	107.48	107.55	110.17	101.33	107
Christian	128 (57.1)	116.61 (0.271)	121.33 (0.018)	116.27 (0.314)	116.21 (0.318)	114.25 (0.639)	120.88 (0.024)	116.63 (0.268)
Tribe								
Yoruba	191 (85.3)	111.09	111.92	110.2	111.7	110.07	111.9	109.95
Others	33 (14.7)	120.64 (0.341)	115.85 (0.747)	125.83 (0.199)	117.11 (0.655)	126.56 (0.174)	115.95 (0.737)	127.26 (0.153)

* Mean rank (*p-value*)

Supplementary Table 2: Comparison of the mean scores of psychosocial burdens, health burdens and coping abilities in relation to groups of sociodemographic characteristics

Parameters	n (%)	Psychological burdens						Coping ability*
		Hospital factors*	Family/ social life factors*	Disease factors*	SCD- affected children's life factors*	Financial factors*	Health burden*	
Age range								
< 40yrs	116 (51.8)	112.88	106.91	115.33	100.19	107.32	107.01	112.39
≥ 40yrs	108 (48.2)	112.09	118.5	109.46	125.72	118.06	118.4	112.62
		(0.912)	(0.18)	(0.497)	(0.003)	(0.211)	(0.183)	(0.978)
Socioeconomic class								
High	45 (20.1)	114.16	109.19	107.82	111.7	87.52	123.82	113.76
Middle	73 (32.6)	109.51	117.72	106.21	116.21	114.09	120.88	103.12
Low	106 (47.3)	113.86	110.31	118.82	109.75	122.01	101.92	118.43
		(0.842)	(0.699)	(0.379)	(0.757)	(0.01)	(0.062)	(0.29)
NHIS support								
Yes	42 (18.8)	118.8	115.5	124.3	114.49	96.67	124.27	117.55
No	182 (81.2)	111.05	111.9	109.78	112.04	116.15	109.78	111.34
		(0.395)	(0.773)	(0.189)	(0.824)	(0.077)	(0.186)	(0.572)

* Mean rank (*p-value*)