

Table S3. The Dyadic MCS and disability – depression – social support chain mediation effect (N=168).

Effect	Estimated value	SE	95%CI	P-value
The actor effect of survivors				
Direct effect	-1.598	0.530	-2.732, -0.641	0.001
Indirect effect				
T0Disability→T1Survivor depression→T3Survivor MCS	-0.502	0.287	-1.279, -0.096	0.007
T0Disability→T2Survivor social support→T3Survivor MCS	0.155	0.199	-0.183, 0.639	0.302
T0Disability→T1Survivor depression→T2Survivor social support→T3Survivor MCS	-0.231	0.134	-0.643, -0.062	0.003
T0Disability→T1Spouse caregiver depression→T3Survivor MCS	0.087	0.190	-0.244, 0.544	0.535
T0Disability→T2Spouse caregiver social support→T3 Survivor MCS	-0.064	0.084	-0.386, 0.027	0.158
T0Disability→T1Spouse caregiver depression→T2Spouse caregiver social support→T3Survivor MCS	0.088	0.094	-0.015, 0.399	0.100
T0Disability→T1Survivor depression→T2Spouse caregiver social support →T3Survivor MCS	0.027	0.032	-0.003, 0.142	0.089
T0Disability→T1Spouse caregiver depression→T2Survivor social support→T3Survivor MCS	-0.156	0.117	-0.515, -0.023	0.012
Total indirect effect	-0.597	0.355	-1.383, 0.002	0.051
Total effect	-2.195	0.621	-3.458, -1.007	0.001
Partner effects of spouse caregivers				
Direct effect	-1.001	0.351	-1.727, -0.325	0.003
Indirect effect				
T0Disability→T1Spouse caregiver depression→T3 Spouse caregiver MCS	-0.212	0.170	-0.657, 0.030	0.090
T0Disability→T2Spouse caregiver social support→T3 Spouse caregiver MCS	0.048	0.061	-0.021, 0.260	0.167
T0Disability→T1Spouse caregiver depression→T2Spouse caregiver social support→T3 Spouse caregiver MCS	-0.066	0.066	-0.276, 0.012	0.095
T0Disability→T1Survivor depression→T3 Spouse caregiver MCS	-0.058	0.138	-0.386, 0.175	0.545
T0Disability→T2Survivor social support→T3 Spouse caregiver MCS	0.044	0.064	-0.051, 0.228	0.288
T0Disability→T1Survivor depression→T2Survivor social support→T3 Spouse caregiver MCS	-0.066	0.050	-0.207, 0.000	0.049
T0Disability→T1Survivor depression→T2Spouse caregiver	-0.020	0.020	-0.099, 0.002	0.070

social support→T3 Spouse caregiver MCS					
T0Disability→T1Spouse caregiver depression →	-0.045	0.036	-0.163, -0.002	0.038	
T2Survivor social support→T3 Spouse caregiver MCS					
Total indirect effect	-0.374	0.236	-0.963, 0.004	0.052	
Total effect	-1.375	0.412	-2.261, -0.650	0.001	