

Table S2. The Dyadic PCS 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	-3.731	0.589	-5.014, -2.669	0.001
Indirect effect				
T0Disability→T1Survivor depression→T3SurvivorPCS	-0.066	0.165	-0.448, 0.219	0.508
T0Disability →T2Survivor social support →T3 Survivor PCS	0.019	0.059	-0.045, 0.237	0.389
T0Disability →T1 Survivor depression →T2Survivor social support→T3Survivor PCS	-0.028	0.059	-0.182, 0.065	0.487
T0Disability →T1Spouse caregiver depression→T3Survivor PCS	-0.210	0.194	-0.722, 0.078	0.156
T0Disability →T2Spouse caregiver social support→T3Survivor PCS	0.062	0.079	-0.032, 0.305	0.191
T0Disability →T1Spouse caregiver depression→T2Spouse Caregiver social support→T3Survivor PCS	-0.085	0.077	-0.303, 0.024	0.116
T0Disability →T1 Survivor depression →T2Spouse caregiver Social support→T3Survivor PCS	-0.026	0.027	-0.122, 0.003	0.080
T0Disability →T1Spouse caregiver depression→T2Survivor social support→T3Survivor PCS	-0.019	0.038	-0.134, 0.037	0.338
Total indirect effect	-0.353	0.237	-0.905, 0.055	0.092
Total effect	-4.084	0.553	-5.219, -3.052	0.001
Partner effects of spouse caregivers				
Direct effect	-0.373	0.232	-0.836, 0.073	0.107
Indirect effect				
T0Disability →T1Spouse caregiver depression→T3Spouse caregiver PCS	-0.198	0.106	-0.468, -0.038	0.011
T0Disability →T2Spouse caregiver social support→T3Spouse caregiver PCS	-0.020	0.034	-0.141, 0.021	0.279
T0Disability →T1Spouse caregiver depression→T2Survivor social support→T3Spouse caregiver PCS	0.028	0.039	-0.028, 0.148	0.273
T0Disability →T1 Survivor depression →T3Spouse caregiver PCS	0.082	0.063	-0.011, 0.245	0.080
T0Disability→T2Survivor social support→T3Spouse caregiver PCS	0.012	0.030	-0.022, 0.131	0.354
T0Disability→T1Survivor depression→T2Survivor social support→T3Spouse caregiver PCS	-0.017	0.030	-0.104, 0.029	0.342

T0Disability → T1Survivor depression→ T2Spouse caregiver social support→ T3Spouse caregiver PCS	0.009	0.012	-0.005, 0.049	0.181
T0Disability → T1Spouse caregiver depression→ T2Survivor social support→ T3Spouse caregiver PCS	-0.012	0.022	-0.081, 0.015	0.321
Total indirect effect	-0.117	0.087	-0.332, 0.018	0.093
Total effect	-0.490	0.231	-0.946, -0.057	0.030