

**S2 Table. Summary statistics.** Mean, standard deviation (SD), minimum and maximum values of all statistical measures used in this paper for different groups of participants. The dementia group refers to the combined non-intervention and intervention groups.

Statistical measures	Groups	Mean	SD	Min.	Max.
IS	Non-intervention	0.029	0.019	0.003	0.063
	Intervention	0.039	0.025	0.005	0.082
	Dementia	0.035	0.023	0.003	0.082
	Without Dementia	0.147	0.054	0.062	0.257
IV	Non-intervention	1.605	0.137	1.424	1.856
	Intervention	1.519	0.186	1.036	1.775
	Dementia	1.555	0.169	1.036	1.856
	Without Dementia	1.028	0.301	0.376	1.487
$\alpha$ (overall)	Non-intervention	0.816	0.057	0.722	0.946
	Intervention	0.878	0.050	0.808	0.965
	Dementia	0.852	0.061	0.722	0.965
	Without Dementia	1.005	0.098	0.843	1.174
$\alpha$ (daytime)	Non-intervention	0.820	0.066	0.717	0.983
	Intervention	0.875	0.053	0.792	0.962
	Dementia	0.852	0.064	0.717	0.983
	Without Dementia	1.006	0.097	0.842	1.175
$\alpha$ (nighttime)	Non-intervention	0.806	0.067	0.710	0.891
	Intervention	0.897	0.053	0.825	1.004
	Dementia	0.859	0.074	0.710	1.004
	Without Dementia	0.905	0.083	0.741	1.043
PoV <sup>(F)</sup>	Non-intervention	0.027	0.031	0.001	0.101
	Intervention	0.049	0.046	0.002	0.138
	Dementia	0.040	0.041	0.001	0.138
	Without Dementia	0.152	0.065	0.077	0.305
PoV <sup>(H)</sup>	Non-intervention	0.055	0.036	0.007	0.122
	Intervention	0.078	0.052	0.012	0.167
	Dementia	0.068	0.047	0.007	0.167
	Without Dementia	0.224	0.071	0.108	0.338