

Additional file 1 Correlation Analysis of Changes in QoL Scores before and after Living in Hainan with Influencing Factors

	Gender	BMI	Age	Education Level	Hypertension classification	Changes in blood pressure in Hainan	Smoking	Drinking	Family history of cardiovascular disease	Green space and water in hometown	Ventilation habit in hometown	Sleep habit in hometown	Green space and water in Hainan	Ventilation habit in Hainan	Sleep habit in Hainan
PF															
<i>r</i>	0.139**	0.000	0.209**	-0.133**	0.149**	0.064	0.103	0.091	0.057	0.085	-0.023	-0.092	-	-0.047	-0.078
<i>P-value</i>	0.008	0.997	0.000	0.006	0.005	0.222	0.052	0.083	0.284	0.107	0.659	0.082	-	0.375	0.137
RP															
<i>r</i>	-0.025	-0.006	0.148**	-0.064	0.038	0.058	-0.044	0.008	0.092	-0.064	-0.066	0.055	-	-0.114*	-0.064
<i>P-value</i>	0.642	0.907	0.007	0.206	0.488	0.293	0.426	0.885	0.092	0.246	0.226	0.314	-	0.037	0.241
BP															
<i>r</i>	0.008	-0.091	0.049	-0.038	-0.018	0.065	-0.047	-0.046	0.088	-0.081	0.038	0.071	-	0.104*	-0.041
<i>P-value</i>	0.879	0.067	0.346	0.469	0.728	0.212	0.364	0.379	0.091	0.118	0.463	0.171	-	0.044	0.426
GH															
<i>r</i>	-0.031	-0.032	-0.122*	0.014	-0.032	-0.026	0.002	-0.019	-0.021	-0.082	0.027	-0.025	-	-0.055	0.004
<i>P-value</i>	0.535	0.503	0.014	0.772	0.508	0.592	0.970	0.697	0.669	0.096	0.578	0.615	-	0.265	0.942
VT															
<i>r</i>	0.005	-0.010	-0.021	-0.016	-0.015	-0.003	0.061	0.060	0.001	-0.009	-0.068	-0.147**	-	-0.095	-0.087

<i>P-value</i>	0.928	0.844	0.683	0.756	0.777	0.947	0.239	0.247	0.990	0.862	0.189	0.005	-	0.069	0.095
SF															
<i>r</i>	0.002	-0.078	0.010	-0.044	-0.004	-0.016	0.032	-0.007	0.055	-0.047	0.022	-0.009	-	0.043	-0.099
<i>P-value</i>	0.975	0.133	0.847	0.420	0.934	0.764	0.556	0.892	0.311	0.387	0.691	0.863	-	0.428	0.069
RE															
<i>r</i>	0.045	0.016	0.076	0.013	0.094	0.029	0.031	-0.022	0.061	-0.018	-0.040	0.022	-	0.045	0.016
<i>P-value</i>	0.415	0.764	0.171	0.816	0.085	0.603	0.577	0.690	0.272	0.748	0.473	0.693	-	0.420	0.778
MH															
<i>r</i>	-0.055	-0.114*	-0.012	-0.043	-0.097	-0.022	-0.099	-0.120*	0.009	-0.073	0.076	-0.034	-	0.120*	-0.063
<i>P-value</i>	0.288	0.021	0.814	0.400	0.056	0.671	0.055	0.020	0.857	0.156	0.138	0.513	-	0.020	0.221
Global score															
<i>r</i>	0.001	-0.056	0.079	0.003	0.014	0.052	-0.026	-0.006	0.066	-0.080	-0.016	-0.003	-	0.035	-0.083
<i>P-value</i>	0.980	0.215	0.093	0.945	0.761	0.274	0.575	0.904	0.162	0.089	0.732	0.955	-	0.459	0.077
PCS															
<i>r</i>	-0.008	-0.044	0.068	0.050	-0.003	0.064	-0.033	0.001	0.089	-0.079	-0.003	0.020	-	-0.021	-0.045
<i>P-value</i>	0.861	0.333	0.154	0.295	0.941	0.179	0.482	0.984	0.062	0.099	0.948	0.681	-	0.663	0.349
MCS															
<i>r</i>	-0.017	-0.016	0.053	-0.033	0.028	0.015	-0.003	0.004	0.036	-0.045	-0.003	-0.020	-	0.022	-0.066
<i>P-value</i>	0.719	0.722	0.264	0.489	0.557	0.752	0.958	0.941	0.448	0.343	0.954	0.671	-	0.651	0.166

* $p < 0.05$, ** $p < 0.01$