

## Annex

**Supplementary Table S1.** Relative weights of the principal component analysis.

	<b>PCOMP_1</b>	<b>PCOMP_2</b>
<b>Physical functioning (PF)</b>	0.366463	0.0233605
<b>Role physical (RP)</b>	0.365922	0.324238
<b>Body pain (BP)</b>	0.295466	0.573603
<b>General health (GH)</b>	0.37818	0.200957
<b>Vitality (VT)</b>	0.379679	-0.0945726
<b>Social functioning (SF)</b>	0.354612	0.0068303
<b>Role emotional (RE)</b>	0.329187	-0.565321
<b>Mental health (MH)</b>	0.348845	-0.443105

**Supplementary Table S1.** Relative contribution of each of the SF-36 subcomponents to the two new components (PCOMP\_1 and PCOMP\_2). PCOMP\_1 describes overall health and QoL as all the subcomponents have similar relative weights. In contraposition, PCOMP\_2 express as positive values subcomponents more related to physical performance and negative values those from psychological/mental aspect. Hence, positive values will represent better physical performance over the mental subcomponent, and vice versa.