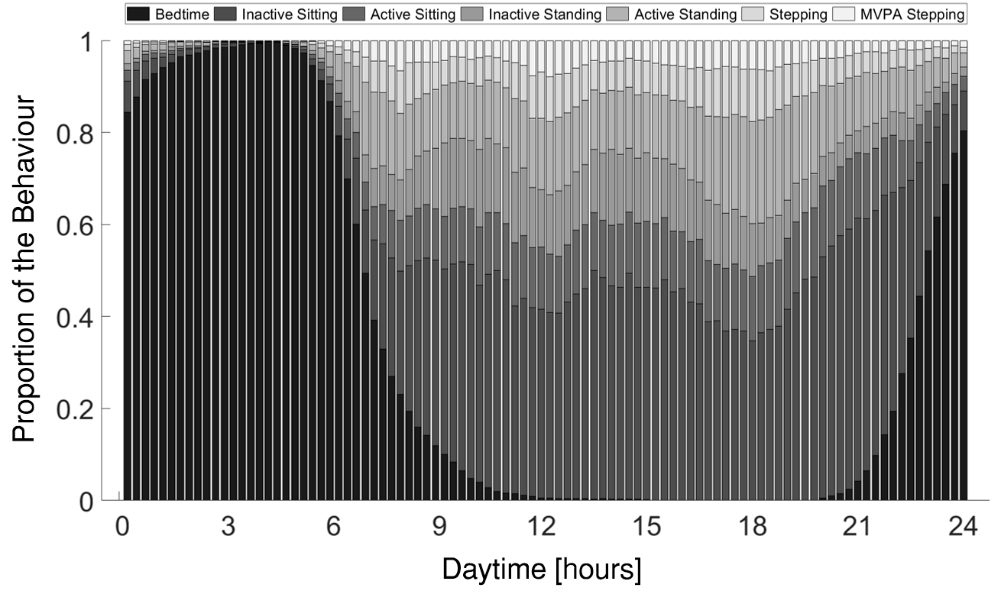
Supplementary Material 2

**Figure 1. 24-hour behaviour pattern**



Example of an advanced posture and physical activity classification with POPAI. The figure shows the proportion of each behaviour (y-axis) over the whole day (x-axis, each bar represents 15 minutes). The behaviour classification includes bedtime (detected with an activPal algorithm, see Ref 20 of main manuscript) and separates MVPA stepping from normal stepping (using a vertical axis cut-point of 1’952 cpm). Detailed instructions on how to classify the behaviour are included in Supplementary Material 1.