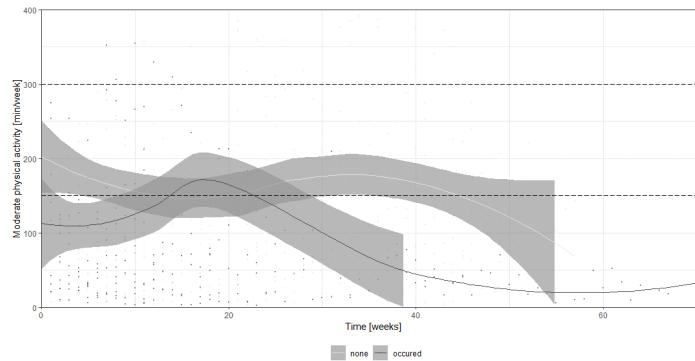


**Figure S1** *A priori* factors at inclusion and their respective association with weekly moderate physical activity faceted by occurrence of composite adverse clinical outcome. (A) Age in years, (B) Child-Pugh Score, (C) Liver Frailty Index and (D) quality of life as per SF36 total score. Displayed using heatmap (median per boxes of 5 weeks and MPA 20 min/week) is shown along with bandwidth of per WHO recommended weekly moderate physical activity using dashed lines.



**Figure S2** Weekly moderate physical activity stratifying for the occurrence of composite clinical outcome. Analysis was performed using LOESS regression analysis and 95% CI is shown. Bandwidth of per WHO recommended weekly moderate physical activity using dashed lines.

**Table S1** Daily median physical activity measured by the FitBit®

Characteristics	Medians (IQR) <sup>†</sup>
Steps	4,661.0 (1,685.0–8,609.0)
Distance travelled (m)	3,255.0 (1,110.0–6,100.0)
Floors climbed	4.0 (0.0–9.0)
Time spent sitting (min)	947.0 (708.0–1,366.8)
Energy expenditure total (kcal)	2,159.0 (1,780.0–2,610.0)
Energy expenditure during activities (kcal)	717.5 (85.2–1,265.8)
Low physical activity (min)	166.0 (22.0–247.0)
Moderate physical activity (min)	0.0 (0.0–18.0)
Vigorous physical activity (min)	0.0 (0.0–11.0)

<sup>†</sup>, 7,270 data points in n=35, significances assessed using Mann-Whitney *U*-test.

**Table S2** Analysis of weekday effect on physical activity

Variable	Sunday (N=10,371)	Monday (N=10,401)	Tuesday (N=1,0361)	Wednesday (N=10,371)	Thursday (N=10,351)	Friday (N=10,431)	Saturday (N=10,421)	P value
Steps	3,460.0 (1,028.0–7,521.0)	4,818.0 (1,877.0–8,684.5)	4,356.0 (1,672.5–7,932.5)	4,916.0 (1,897.0–8,592.0)	4,806.0 (1,906.5–8,774.5)	5,156.0 (1,939.5–8,642.0)	5,300.5 (1,990.8–9,987.0)	<0.001
Distance travelled (m)	2,370.0 (700.0–5,310.0)	3,350.0 (1,230.0–6,032.5)	3,000.0 (1,120.0–5,585.0)	3,410.0 (1,260.0–6,100.0)	3,360.0 (1,290.0–6,175.0)	3,660.0 (1,290.0–6,065.0)	3,660.0 (1,340.0–7,037.5)	<0.001
Floors climbed	2.0 (0.0–8.0)	4.0 (0.0–9.0)	4.0 (0.0–9.0)	4.0 (0.0–10.0)	4.0 (0.0–9.0)	4.0 (0.0–9.0)	4.0 (0.0–11.0)	<0.001
Time spent sitting (min)	955.0 (702.0–1,400.0)	966.0 (713.5–1,357.0)	967.5 (722.5–1,355.2)	943.0 (709.0–1,378.0)	926.0 (710.5–1,348.0)	964.0 (718.0–1,378.0)	919.0 (674.0–1,347.0)	0.421
Energy expenditure total (kcal)	2,074.0 (1,708.0–2,478.0)	2,168.0 (1,803.8–2,605.5)	2,126.0 (1,758.8–2,567.8)	2,158.0 (1,781.0–2,623.0)	2,171.0 (1,796.5–2,601.0)	2,173.0 (1,824.0–2,658.5)	2,244.5 (1,820.5–2,739.5)	<0.001
Energy expenditure during activities (kcal)	571.0 (30.0–1,162.0)	729.5 (87.2–1,264.2)	684.0 (121.0–1,194.8)	743.0 (104.0–1,271.0)	728.0 (71.5–1,262.0)	756.0 (46.0–1,307.0)	814.5 (132.5–1,351.5)	<0.001
Low physical activity (min)	131.0 (8.0–205.0)	166.0 (26.5–255.0)	172.0 (34.5–250.0)	172.0 (26.0–249.0)	168.0 (22.5–249.0)	178.0 (14.5–264.0)	174.5 (37.0–249.0)	<0.001
Moderate physical activity (min)	0.0 (0.0–20.0)	0.0 (0.0–19.0)	0.0 (0.0–14.0)	0.0 (0.0–18.0)	0.0 (0.0–18.0)	0.0 (0.0–17.0)	0.0 (0.0–22.8)	<0.001
Vigorous physical activity (min)	0.0 (0.0–11.0)	0.0 (0.0–11.0)	0.0 (0.0–8.0)	0.0 (0.0–14.0)	0.0 (0.0–11.5)	0.0 (0.0–10.0)	0.0 (0.0–16.0)	0.006

Values are given in medians (IQR) for continuous variables and significances assessed using Kruskal-Wallis *H* test.