

StepWatch Clinical Research Trial Metrics

Description



Steps per day (steps)	Total number of steps taken on the leg with the StepWatch
Minutes inactive	Minutes of the day with zero steps
Percent time in low activity (%)	Low activity range: 1 – 15 steps / minute
Percent time in medium activity (%)	Medium activity range: 16 – 40 steps / minute
Percent time in high activity (%)	High activity range: 41 or greater steps / minute
Stride velocity (m/s)	Peak, average, median of stride velocity per day
Cadence (steps/min)	Peak, average, median, and 95 th percentile of cadence per day
Stride length (m)	Measured in clinic
Time to walk distance specified (s)	Time taken to walk the distance specified in the clinic
Max 60 (steps/min)	Average cadence of the most intensive continuous 60 minutes of the day
Max 20 (steps/min)	Average cadence of the most intensive continuous 20 minutes of the day
Max 5 (steps/min)	Average cadence of the most intensive continuous 5 minutes of the day
Max 1 (steps/min)	Highest cadence achieved in the day
Peak performance index (steps/min)	Average cadence of the most intensive 30 individual minutes in the day
Percent battery (%)	Percent battery associated with last data upload
Compliance steps per day (true/false)	True, if greater than or equal to 300 steps
Compliance minutes active (true/false)	True, if greater than or equal to 100 active minutes
Compliance continuous duration (true/false)	True, if at least 30 steps within five continuous hours between 9am-7pm the site's local time
Wear time (hours)	Estimated time of wearing StepWatch. Periods of 3.5 hours of more (default) of inactivity is considered non-wear and subtracted from the total recorded time.
Hours recorded (hours)	Amount of time between the first recorded data point and last recorded data point of the day
Raw steps timestamp (date and time)	When a step occurred with 1-second resolution
Raw steps interval length	Seconds that passed between each step (255 means no steps, 0 means more than one step with same timestamp)
Binned steps timestamp	Each minute of the day
Binned steps	Total steps taken during the minute