



1 Directly-observed steps (Criterion)

2 **Additional file 7: Suppl Fig 1** Representation of the correlation between directly observed steps and steps derived from wearable

3 technologies across all walking bouts. The X-Y scatterplot is representative of how tightly the wearable technology step counts hold to

4 a linear relationship to directly observed steps across all walking bouts. X axis represents directly observed steps, and Y axis represents
5 steps derived from wearable technology. Correlation coefficients (r) closer to 1.0 indicate tighter relationship (more precise) to directly-
6 observed steps.