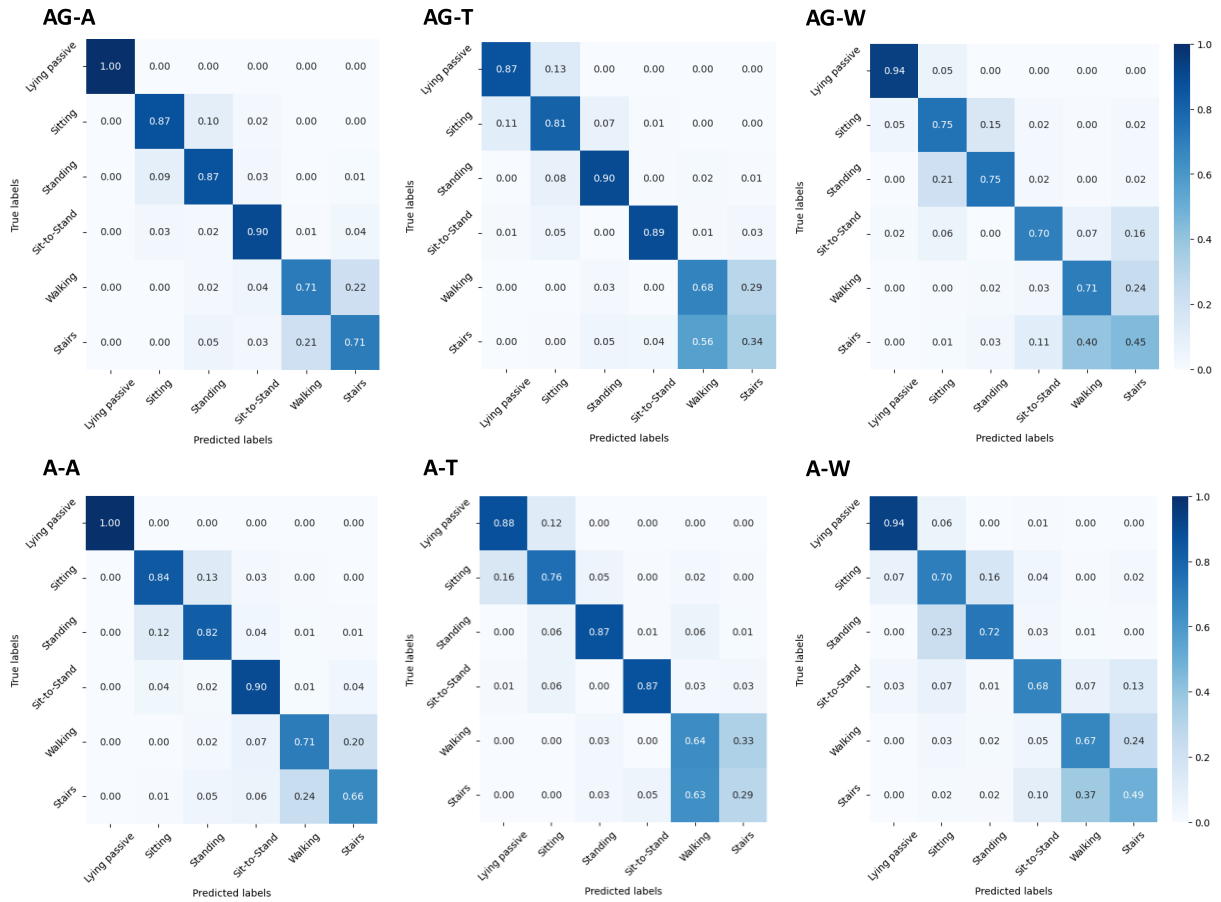


Supplemental material

Appendix 1 Normalized confusion matrices displaying the cross-validation results for each location and modality.



AG-A: Ankle model using accelerometer & gyroscope features, **AG-T:** Thigh model using accelerometer & gyroscope features, **AG-W:** Wrist model using accelerometer & gyroscope features, **A-A:** Ankle model using accelerometer features, **A-T:** Thigh model using accelerometer features, **A-W:** Wrist model using accelerometer features

Appendix 2: Results of the patient questionnaire

	Total count measurements N=86 (100 %)	
	n	percentage
Was wearing the sensors a bothering factor for you today?	86	
Yes, very	1	1.2%
Yes, a little	1	1.2%
Some	0	0.0%
No	84	97.7%
Which body location was the least disturbing? (multiple answers possible)	86	
wrist	61	70.9%
ankle	75	87.2%
thigh	58	67.4%
Which body location was the most annoying?	84	
wrist	5	5.9%
ankle	3	3.6%
thigh	2	2.4%
none	75	89.3%
Did you experience any problems with the patch?	85	
Yes	11	12.9%
No	73	85.9%
Did you have to take off one or more sensors during the day?	86	
No	80	93%
Yes, one	5	5.8%
Yes, two or more	1	1.2%

Appendix 3 Questionnaire for Participants After Each Day of Participation

Question	Answer Options
How long did the patient wear the sensors?	1) 1 Day 2) 2 Days 3) 3 Days 4) 4 Days 5) 5 Days
Was wearing the sensors a disturbing factor for you today?	1) Yes, very 2) Yes, a little 3) Somewhat 4) No
Which wearing location was the least disturbing?	1) Wrist 2) Ankle 3) Thigh
Which wearing location was the most disturbing?	1) Wrist 2) Ankle 3) Thigh
If problems with the adhesive occurred, which ones?	1) Yes 2) No
If problems with the adhesive occurred, which ones?	(Notes)
Did you have to take off one or more sensors during the day?	1) No 2) Yes, one 3) Yes, two or more
If yes, why?	(Notes)