

Supplementary Table 2. Participant-level summaries of second-level agreement for ProcessingPAL vs. CREA for classifying out-of-bed wear time (Study 2; N = 744 participants)

	Mean (SD) across participants
	ProcessingPAL vs. CREA
Binary classification measures	
Accuracy	0.94 (0.06)
Sensitivity	0.97 (0.08)
Specificity	0.90 (0.13)
F1 score	0.96 (0.07)
Kappa	0.87 (0.15)

Second-level agreement was calculated for each participant and then summary statistics (mean, SD, and Kappa) were computed across participants
SD = standard deviation