

Multimedia Appendix 12. Epoch-by-epoch agreement: subgroup analysis of the apnea-hypopnea index and demographic characteristics in Seoul National University Bundang Hospital.

	Apnea-Hypopnea Index		Sleep Efficiency		Body Mass Index		Gender	
	≤ 15	> 15	≤ 85%	> 85%	≤ 25	> 25	Male	Female
Airable								
SleepRoutine (29)	0.7032	0.7259	0.7004	0.7000	0.7281	0.7036	0.7115	0.7212
SleepScore (26)	0.4120	0.4646	0.4350	0.4316	0.4341	0.4476	0.4554	0.4081
Pillow (37)	0.2817	0.2451	0.2398	0.2729	0.2478	0.2751	0.2576	0.2567
Nearable								
Withings Sleep Tracking Mat (37)	0.4246	0.4109	0.3605	0.4557	0.4475	0.3791	0.4255	0.3913
Google Nest Hub 2 (14)	0.2281	0.3030	0.2671	0.2386	0.2801	0.2259	0.2555	0.2476
Amazon Halo Rise (12)	0.6250	0.6121	0.6268	0.5743	0.6340	0.5814	0.6031	0.6782
Wearable								
Google Pixel Watch (12)	0.5379	0.5347	0.2671	0.2386	0.5125	0.5945	0.5071	0.6099
Galaxy Watch 5 (3)	0.6317	0.6226	0.6516	0.5738	0.6317	0.6226	0.6516	0.5738
Fitbit Sense 2 (9)	0.4868	0.5244	0.4501	0.5491	0.4926	0.5431	0.4941	0.5887
Apple Watch 8 (8)	0.6283	0.4341	0.5001	0.5700	0.6204	0.4677	0.5212	0.5965
Oura Ring 3 (22)	0.5599	0.4886	0.5078	0.5076	0.5386	0.4864	0.4939	0.5661

The number in the parenthesis indicates the number of participants tested with each device. Values for the top-performing consumer sleep trackers are shown in bold. Abbreviations: SNUBH, Seoul National Bundang Hospital; AHI, apnea-hypopnea index.