

Multimedia Appendix 1. The number of observations in each institution.

Device	SNUBH (n)	SNUBH (%)	CLC (n)	CLC (%)
Airable				
SleepRoutine (67)	29	78.38	38	100.00
SleepScore (38)	26	70.27	12	31.58
Pillow (74)	37	100.00	37	97.37
Nearable				
Withings Sleep Tracking Mat (75)	37	100.00	38	100.00
Google Nest Hub 2 (33)	14	77.78	19	100.00
Amazon Halo Rise (28)	12	63.16	16	84.21
Wearable				
Google Pixel Watch (30)	12	66.67	18	94.74
Galaxy Watch 5 (22)	3	15.79	19	100.00
Fitbit Sense 2 (26)	9	50.00	17	89.47
Apple Watch 8 (26)	8	42.11	18	94.74
Oura Ring 3 (53)	22	59.46	31	81.58

The numbers and percentages in the table represent the number of participants measured for each CST and the success rate of data collection at the two institutions.