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| **Supplemental Content 5**. Wear log observation and wear time by wear method. |
|  | **Observation time (hours/day)** |  | **Item worn (hours/day)** |  | **Item worn (% of observation time)** |
|   | **Mean** | **SD** | **within-subjectvariance (95% CI)** |  | **Mean** | **SD** | **within-subject variance (95% CI)** |  | **Mean** | **SD** | **within-subject variance (95% CI)** |
| **Phase 2 (n=31)** |  |  |  |  |  |  |  |  |  |  |  |
| *Headband* | 10.9 | 3.7 | 0.19 (0.12, 0.31) |  | 7.9 | 4.5 | 0.14 (0.08, 0.25) |  | 72.4 | 29.3 | 0.12 (0.07, 0.19) |
| *Badge* | 11.0 | 2.7 | 0.23 (0.15, 0.36) |  | 9.8 | 2.3 | 0.24 (0.16, 0.37) |  | 90.0 | 6.1 | 0.11 (0.08, 0.15) |
| *Glasses* | 12.3 | 1.4 | 0.07 (0.05, 0.11) |  | 10.4 | 2.2 | 0.10 (0.07, 0.15) |  | 84.0 | 15.0 | 0.09 (0.06, 0.13) |
| *Bandage* | 12.4 | 2.8 | 0.25 (0.16, 0.39) |  | 5.9 | 4.6 | 0.51 (0.25, 1.03) |  | 53.7 | 42.7 | 0.32 (0.16, 0.65) |
| *Vest* | 8.5 | 4.0 | 0.19 (0.12, 0.32) |  | 7.1 | 4.6 | 0.14 (0.08, 0.27) |  | 84.4 | 30.3 | 0.06 (0.04, 0.10) |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Phase 3 (n=23)** |  |  |  |  |  |  |  |  |  |  |  |
| *Badge* | 12.4 | 1.1 | 0.09 (0.07, 0.12) |  | 9.4 | 2.3 | 0.26 (0.19, 0.34) |  | 75.3 | 16.1 | 0.26 (0.19, 0.34) |
| *Glasses* | 11.3 | 2.3 | 0.23 (0.18, 0.29) |  | 6.5 | 4.1 | 0.34 (0.22, 0.53) |  | 56.3 | 29.0 | 0.34 (0.22, 0.53) |
| *Vest* | 7.9 | 3.7 | 0.33 (0.23, 0.49) |   | 4.8 | 2.8 | 0.58 (0.37, 0.89) |   | 57.6 | 11.6 | 0.58 (0.37, 0.89) |
| CI, confidence interval; SD, standard deviation. |