Supplemental Table 1. Bland Altman Analysis from Eight Wearable Devices for Heart Rate During Graded Exercise Cycling

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| **Workload** | **Statistic** | **Apple Watch Series 2**  | **Bose Sound SportPulse**  | **Fitbit****Blaze**  | **Fitbit****Charge 2** | **Garmin Vivosmart HR** | **Polar****A360** | **Polar H7** | **TomTom Touch**  |
| **Rest** | Mean diff (SD) 95% CI | 0.04 (1.71)-3.31-3.39 | 0.38 (4.36)-8.16-8.92 | -1.04 (6.74)-14.26-12.18 | -1.42 (6.92)-14.98-12.14 | 1.76 (11.09)-19.98-23.50 | 1.54 (9.32)-16.73-19.81 | 3.12 (6.83)-10.26-16.50 | -0.58 (4.26)-8.93-7.77 |
| **0W** | Mean diff (SD)95% CI | -0.88 (8.43)-17.41-15.65 | 1.84 (6.83)-11.55-15.23 | -4.12 (13.35)-30.29-22.05 | -4.52 (13.67)-31.32-22.28 | -9.64 (17.20)-43.36-24.08 | -3.46 (15.41)-33.65-26.73 | 1.96 (10.30)-18.22-22.14 | -5.32 (16.21)-37.10-26.46 |
| **50W** | Mean diff (SD)95% CI | 1.28 (8.55)-15.47-18.03 | 3.34 (14.76)-25.58-32.26 | -10.16 (22.05)-53.38-33.06 | -11.40 (21.59)-53.71-30.91 | -16.80 (25.91)-67.58-33.98 | -1.60 (22.54)-45.78-42.58 | 6.62 (10.63)-14.21-27.45 | -3.04 (13.38)-29.26-23.18 |
| **100W** | Mean diff (SD)95% CI | -1.86 (12.16)-25.69-21.97 | -1.86 (16.61)-34.42-30.70 | -18.34 (27.58)-72.39-25.71 | -20.04 (27.25)-73.44-33.36 | -27.68 (29.44)-85.39-30.03 | -8.68 (24.64)-56.97-39.61 | 0.24 (16.08)-31.29-31.77 | -11.70 (20.55)-51.98-28.58 |
| **150W** | Mean diff (SD)95% CI | -3.38 (13.03)-28.92-22.16 | -3.10 (15.46)-33.41-27.21 | -28.14 (34.14)-95.05-38.77 | -27.80 (34.52)-95.45-29.85 | -43.44 (41.01)-123.83-36.95 | -15.28 (30.17)-74.41-43.85 | -1.96 (17.74)-36.74-32.82 | -19.00 (30.88)-79.53-41.53 |
| **200W** | Mean diff (SD)95% CI | 1.84 (3.46)-8.62-4.94 | -6.36 (21.26)-48.02-35.30 | -30.32 (40.51)-109.72-49.08 | -30.60 (40.92)-110.80-49.60 | -51.00 (38.08)-125.64-23.64 | -30.12 (40.23)-108.97-48.73 | -1.92 (8.87)-19.30-15.46 | -13.04 (20.26)-52.75-26.67 |
| **Average** | Mean diff (SD)95% CI | -1.11 (7.89)-16.57-14.36 | -0.96 (13.21)-26.86-24.94 | -15.35 (24.06)-62.51-31.81 | -15.96 (24.14)-63.28-31.36 | -24.47 (27.12)-77.63-28.69 | -9.60 (23.72)-56.09-36.89 | 1.34 (11.74)-21.67-24.36 | -8.78 (17.59)-43.26-25.70 |

NOTE: Sample size contained 25 participants for the 200W stage.