Supplementary Table 1. Data information for all the participants.

| Participant ID | Original data samples (in minutes) | Data samples after interpolation (in minutes) | Number of original data chunks | Number of data chunks after discarding chunks with size < 5 | Data samples after discarding data with chunk size < 5 (in minutes) | Cluster |
|----------------|-----------------------------------|-----------------------------------------------|--------------------------------|------------------------------------------------------------|---------------------------------------------------------------|---------|
| 201            | 529                               | 632                                           | 30                             | 20                                                         | 607                                                           | 1       |
| 202            | 513                               | 642                                           | 63                             | 38                                                         | 591                                                           | 1       |
| 203            | 650                               | 775                                           | 46                             | 22                                                         | 736                                                           | 3       |
| 204            | 434                               | 554                                           | 65                             | 30                                                         | 473                                                           | 2       |
| 205            | 706                               | 878                                           | 81                             | 40                                                         | 792                                                           | 1       |
| 208            | 894                               | 1169                                          | 121                            | 64                                                         | 1057                                                          | 3       |
| 209            | 538                               | 625                                           | 38                             | 26                                                         | 601                                                           | 1       |
| 210            | 79                                | 90                                            | 3                              | 3                                                         | 90                                                            | 4       |
| 211            | 953                               | 1182                                          | 85                             | 51                                                         | 1114                                                          | 1       |
| 212            | 911                               | 1076                                          | 89                             | 45                                                         | 989                                                           | 1       |
| 213            | 782                               | 913                                           | 63                             | 33                                                         | 860                                                           | 2       |
| 214            | 768                               | 976                                           | 113                            | 50                                                         | 851                                                           | 2       |
| 215            | 1176                              | 1380                                          | 51                             | 31                                                         | 1346                                                          | 1       |
| 216            | 706                               | 889                                           | 62                             | 40                                                         | 846                                                           | 5       |
| 217            | 852                               | 1043                                          | 90                             | 48                                                         | 957                                                           | 4       |
| 218            | 766                               | 933                                           | 55                             | 37                                                         | 898                                                           | 2       |
| 220            | 553                               | 673                                           | 66                             | 33                                                         | 598                                                           | 5       |
| 222            | 625                               | 770                                           | 89                             | 47                                                         | 699                                                           | 4       |
| 226            | 1014                              | 1253                                          | 101                            | 67                                                         | 1186                                                          | 3       |
| 228            | 843                               | 1063                                          | 90                             | 50                                                         | 992                                                           | 2       |
| 229            | 1452                              | 1776                                          | 90                             | 60                                                         | 1716                                                          | 2       |
| 230            | 1077                              | 1329                                          | 112                            | 60                                                         | 1237                                                          | 4       |
| 231            | 1132                              | 1402                                          | 148                            | 80                                                         | 1280                                                          | 4       |
| 233            | 803                               | 992                                           | 98                             | 51                                                         | 909                                                           | 4       |
| 234            | 392                               | 550                                           | 69                             | 39                                                         | 496                                                           | 4       |
| 235            | 802                               | 995                                           | 75                             | 36                                                         | 916                                                           | 5       |
| 240            | 766                               | 960                                           | 120                            | 58                                                         | 842                                                           | 1       |
| 242            | 318                               | 458                                           | 94                             | 37                                                         | 355                                                           | 2       |
| 244            | 356                               | 433                                           | 36                             | 19                                                         | 399                                                           | 4       |
| 245            | 500                               | 620                                           | 74                             | 29                                                         | 538                                                           | 4       |
| 250            | 500                               | 1401                                          | 85                             | 52                                                         | 1345                                                          | 4       |
| 251            | 1129                              | 1336                                          | 95                             | 52                                                         | 1250                                                          | 2       |
| 252            | 1221                              | 1459                                          | 96                             | 51                                                         | 1365                                                          | 5       |
| 253            | 1180                              | 1408                                          | 78                             | 56                                                         | 1366                                                          | 4       |
| 255            | 611                               | 789                                           | 99                             | 47                                                         | 688                                                           | 1       |
| 257            | 351                               | 420                                           | 12                             | 10                                                         | 412                                                           | 1       |
| 258            | 194                               | 236                                           | 22                             | 14                                                         | 221                                                           | 1       |
| 259            | 310                               | 365                                           | 31                             | 17                                                         | 340                                                           | 2       |
| 260            | 511                               | 629                                           | 64                             | 35                                                         | 582                                                           | 2       |
| 261            | 918                               | 1103                                          | 56                             | 37                                                         | 1067                                                          | 3       |
| 262            | 823                               | 1023                                          | 111                            | 60                                                         | 914                                                           | 1       |
| 264            | 377                               | 529                                           | 150                            | 40                                                         | 335                                                           | 4       |
| 265            | 1152                              | 1353                                          | 88                             | 55                                                         | 1293                                                          | 5       |
| 268            | 590                               | 717                                           | 97                             | 40                                                         | 602                                                           | 3       |
| 270            | 115                               | 157                                           | 26                             | 14                                                         | 143                                                           | 4       |
Supplementary Table 2. Statistics of data used in this study.

| Data Characteristic                                      | Mean  | Standard Deviation | Median | Minimum | Maximum |
|----------------------------------------------------------|-------|--------------------|--------|---------|---------|
| Original data samples (in minutes)                        | 723.13| 323.57             | 766    | 79      | 1452    |
| Data samples after interpolation (in minutes)             | 887.91| 385.48             | 913    | 90      | 1776    |
| Number of original data chunks                           | 76.15 | 33.12              | 81     | 3       | 150     |
| Number of data chunks after discarding chunks with size < 5 | 40.53 | 16.46              | 40     | 3       | 80      |
| Data samples after discarding data with chunk size < 5 (in minutes) | 819.86| 375.81             | 846    | 90      | 1716    |