**Supplemental file 5**

**Non-rapid eye movement sleep and wake neurophysiology in schizophrenia**

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***Supplementary file 5 Demographic characteristics of the independent samples***

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| **Sample characteristics** | **Lunesta dataset** (4-7 EEG channels:F3, F4, C3,C4,Pz,O1,O2) | **ESZ dataset**(58 EEG channels) | **GCRC dataset**(4 EEG channels: C3,C4,O1,O2) |
| **SCZ** | **CTR** | **SCZ** | **CTR** | **SCZ** | **CTR** |
| N | 20 | 17 | 26 | 29 | 11 | 13 |
| Sex | 5 females | 3 females | 5 females | 8 females | 3 females | 3 females |
| Race | White - 15; Black - 3;Asian - 1; | White - 17 | White - 12; Black - 6;Asian - 3; na - 5 | White - 17; Asian - 3; na - 9 | White - 9; Black - 1;Native American - 1; | White - 11; Black - 1;Multiracial - 1; |
| Age, years | 34.9±8.69 | 36.3±7.12 | 32.3±7.53 | 30.1±6.25 | 44.1±9.5 | 43.1±6.11 |
| Parental education, years | 15.1±3.33 | 13.5±2.15 | 13.4±3.01 | **16.7±2.02\*** | 13.1±1.73 | 13.5±3.02 |
| Std. antipsychotic dose, mg | 314±240.15 |  | 416.5±310 |  | 567.2±512.87 |  |
| **Sleep macrostructure parameters** |  |
| Total time in bed, mins | **622±75\*** | 578±44 | 575±42.2 | 561±42.5 | **610±70\*** | 563±50.1 |
| Total sleep time, mins | **464±72.6\*** | 420±52.4 | 510±71.1 | 506±45.7 | 430±101.7 | 390±71 |
| Sleep latency, mins | **19±13.7\*** | 8±4.9 | 26±17.5 | 15±10.2 | 106±66.7 | 113±30.3 |
| Wake after sleep onset, mins | 33±33.1 | 35±17.5 | **22±16.8\*** | 33±19.2 | 62±55.7 | 47±23.3 |
| Sleep efficiency (/TIB) | 87±8.6 | 88±4.9 | 90±6.6 | 91±3.6 | 71±14.2 | 69±8 |
| Sleep efficiency (/start-end of sleep) | 92±8.6 | 92±3.4 | **96±3\*** | 94±3.5 | 86±10.9 | 88±5.7 |
| Duration N1, mins (%) | 33±22.7 (8) | 37±16.1 (9) | 44±22.4 (9) | 52±22 (10) | 32±18.5 (8) | 24±13.3 (6) |
| Duration N2, mins (%) | 233±68.7 (53) | 234±36.5 (56) | 266±79 (53) | 265±54.4 (52) | 297±94.6 (69) | 240±66.6 (64) |
| Duration N3, mins (%) | 83±50.4 (18) | 56±23 (13) | 93±55.3 (19) | 93±32 (19) | 44±39.5 (10) | 42±20.8 (11) |
| Duration REM, mins (%) | 97±38.2 (22) | 92±22 (22) | 88±29.7 (17) | 92±29.6 (18) | 57±31.1 (13) | 84±42.9 (21) |
| Latency of REM, mins | 150±84.9 | 100±49.1 | 123±59.6 | 106±40.2 | **195±72.6\*** | 114±76.4 |
| Number of cycles | 4±1.2 | 5±1.2 | 5±1.4 | 5±1 | 4±1.2 | 4±1.2 |
| Cycle length, mins | **116±34.4\*** | 94±19.4 | 112±23.4 | 97±15.1 | 115±38.7 | 96±21.1 |

*\* p-value<0.05*