Table e-3: Fixed effects of global cognitive score

|  |  |  |
| --- | --- | --- |
|  | ***Women***  | ***Men*** |
| ***Z-values***  | ***Dementia-free*** | ***Dementia cases*** | ***Dementia-free*** | ***Dementia cases*** |
| ***Global CF*** | ***β*** | ***CI 95%*** | ***β*** | ***CI 95%*** | ***β*** | ***CI 95%*** | ***β*** | ***CI 95%*** |
| ***Model 1*** |  |  |  |  |  |  |  |  |
| Inactive | Ref | (-) | Ref | (-) | Ref | (-) | Ref | (-) |
| Active | 0.20\*\*\* | (0.16- 0.23) | 0.07 | (-0.04- 0.18) | 0.16\*\*\* | (0.12- 0.19) | 0.07 | (-0.05- 0.20) |
| Very active | 0.22\*\*\* | (0.17- 0.27) | 0.31\*\* | (0.11- 0.52) | 0.20\*\*\* | (0.16- 0.24) | 0.16 | (-0.01- 0.33) |
| ***Model 2*** |  |  |  |  |  |  |  |  |
| Inactive | Ref | (-) | Ref | (-) | Ref | (-) | Ref | (-) |
| Active | 0.15\*\*\* | (0.11- 0.18) | 0.01 | (-0.10- 0.12) | 0.12\*\*\* | (0.09- 0.16) | 0.06 | (-0.06- 0.18) |
| Very active | 0.13\*\*\* | (0.09- 0.18) | 0.19 | (-0.01- 0.40) | 0.14\*\*\* | (0.10- 0.18) | 0.10 | (-0.07- 0.27) |
| ***Model 3*** |  |  |  |  |  |  |  |  |
| Inactive | Ref | (-) | Ref | (-) | Ref | (-) | Ref | (-) |
| Active | 0.12\*\*\* | (0.08- 0.15) | -0.00 | (-0.11- 0.11) | 0.09\*\*\* | (0.05- 0.12) | 0.07 | (-0.05- 0.19) |
| Very active | 0.10\*\*\* | (0.05- 0.15) | 0.18 | (-0.02- 0.39) | 0.10\*\*\* | (0.06- 0.14) | 0.11 | (-0.06- 0.28) |
| ***Model 4*** |  |  |  |  |  |  |  |  |
| Inactive | Ref | (-) | Ref | (-) | Ref | (-) | Ref | (-) |
| Active | 0.07\*\*\* | (0.04- 0.11) | -0.04 | (-0.16- 0.09) | 0.06\*\*\* | (0.03- 0.10) | 0.05 | (-0.08- 0.18) |
| Very active | 0.06\* | (0.01- 0.11) | 0.16 | (-0.06- 0.38) | 0.06\*\* | (0.01- 0.10) | 0.05 | (-0.13- 0.23) |

Table e-3: Fixed effect of table 2. Multiple mixed linear regression for fixed effect with global cognitive test score as outcome. Model 1: adjusted for time and age, Model 2: Model 1 + education, Model 3: Model 2 + birth cohort, Model 4: Model 3 + comorbidity and life style factors. \* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001