**eTable 1**

**Incident Cognitive Impairment by LPA%a and SED%b (N=6,452) in Fully Adjusted Modelsc**

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| --- | --- | --- | --- | --- |
| **Variable** | **Quartiled 1** | **Quartile 2** | **Quartile 3** | **Quartile 4** |
| **LPA%a** |  |  |  |  |
| **Total: HR (95% C.I.)** | Ref. | 0.83 (0.63-1.10) | 0.89 (0.65-1.22) | 0.75 (0.52-1.08) |
| **White:HR (95% C.I.)** | Ref. | 0.73 (0.51-1.06) | 0.86 (0.58-1.28) | 0.82 (0.53-1.29) |
| **Black: HR (95% C.I.)** | Ref. | 0.97 (0.62-1.50) | 0.90 (0.54-1.51) | 0.63 (0.33-1.18) |
| **SED%b** |  |  |  |  |
| **Total: HR (95% C.I.)** | Ref. | 1.01 (0.69-1.49) | 1.17 (0.81-1.69) | 1.28 (0.88-1.87) |
| **White:HR (95% C.I.)** | Ref. | 1.09 (0.68-1.75) | 1.04 (0.66-1.65) | 1.33 (0.83-2.12) |
| **Black: HR (95% C.I.)** | Ref. | 0.80 (0.41-1.60) | 1.28 (0.69-2.37) | 1.19 (0.63-2.23) |

a Denotes the proportion of total accelerometer wear time spent in light intensity physical activity.

b Denotes the proportion of total accelerometer wear time spent in sedentary behavior.

c Adjusted by age, sex, race, region of residence, education, body mass index, hypertension, smoking and diabetes.

d Denotes the quartiles of the proportion of total accelerometer wear time spent in light intensity physical activity or sedentary behavior. Quartile 1: 0<=LPA%<15.57% or 0<=SED%<71.11% , Quartile 2: 15.57%<=LPA%<20.90% or 71.11<=SED%<77.65%, Quartile 3: 20.90%<=LPA%<26.82% or 77.65<=SED%<83.68%, Quartile 4: LPA%>=26.82% or SED%>=83.68%.