**Supplemental Table 2 -** **Odds Ratios of Worst Cognitive Change, by Depressive Symptom Categories\***

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Depression Category** |  | **Global†** | | |  | **Verbal†** | | | **Executive Function & Attention†** | | | |
| **Adjusted**\*\* | N | OR | 95% CI | p-value | N | OR | 95% CI | p-value | N | OR | 95% CI | p-value |
| Persistent Depression | 107 | 1.01 | (0.53, 1.95) | 0.97 | 108 | 0.97 | (0.52, 1.82) | 0.92 | 107 | 1.83 | (0.78, 4.29) | 0.16 |
| Variable Depression | 460 | 1.13 | (0.80, 1.60) | 0.47 | 460 | 1.24 | (0.86, 1.79) | 0.24 | 460 | 1.20 | (0.85, 1.69) | 0.30 |
| No Depression | 7084 | Ref | Ref | Ref | 7096 | Ref | Ref | Ref | 7084 | Ref | Ref | Ref |
| **IPCW Adjusted**\*\* | N | OR | 95% CI | p-value | N | OR | 95% CI | p-value | N | OR | 95% CI | p-value |
| Persistent Depression | 107 | 1.07 | (0.53, 2.16) | 0.84 | 108 | 1.02 | (0.52, 2.04) | 0.95 | 107 | 1.95 | (0.82, 4.65) | 0.13 |
| Variable Depression | 460 | 1.16 | (0.81, 1.65) | 0.42 | 460 | 1.27 | (0.87, 1.85) | 0.21 | 460 | 1.25 | (0.88, 1.78) | 0.22 |
| No Depression | 7084 | Ref | Ref | Ref | 7096 | Ref | Ref | Ref | 7084 | Ref | Ref | Ref |

\* Worst cognitive change is defined as bottom 10% of the distribution of change scores between first and last cognitive assessment

\*\*Adjusted for time-span of interview dates, baseline global score, age, education, smoking status, alcohol consumption, BMI, physical activity, vascular risk factors (CVD [myocardial infarction, coronary artery bypass grafting, and/ or stroke], hypertension, dyslipidemia), other major comorbidities (diabetes, respiratory illness [asthma and/or Chronic Obstructive Pulmonary Disease], cancer history other than non-melanoma skin cancer), and antidepressant use

**†**Global score combines results of the Telephone Interview of Cognitive Status (TICS), category fluency, digit span backwards, immediate and delayed recall trials of East Boston Memory Test (EBMT), and delayed recall trial of the TICS 10-word list; Verbal score combines results of the immediate and delayed trials of EBMT and the TICS 10-word list; Executive Function and Attention score combines results of category fluency and digit span backwards.