Supplementary table 12: Differences in baseline cognition and cognitive change per 10 years between Whitehall II participants with preceding high and low social contact frequency, according to whether subsequently developed dementia

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| --- | --- | --- | --- | --- |
| Social domain | Cognitive domain | Dementia-free |  | Dementia cases |
| **Baseline cognition**(standard deviations) | **Cognitive change**(standard deviations / 10y) |  | **Baseline cognition**(standard deviations) | **Cognitive change**(standard deviations / 10y) |
| **All social contact** | Combined cognition | **0.06 (0.02, 0.10)** | -0.01 (-0.03, 0.00) |  | **0.42 (0.06, 0.75)** | -0.16 (-0.38, 0.06) |
| Verbal fluency | **0.07 (0.03, 0.12)** | -0.01 (-0.03, 0.02) |  | 0.22 (-0.10, 0.54) | -0.07 (-0.29, 0.14) |
| Verbal memory | 0.04 (-0.01, 0.09) | -0.01 (-0.04, 0.02) |  | **0.51 (0.14, 0.88)** | -0.20 (-0.46, 0.05) |
| Reasoning | 0.01 (-0.03, 0.05) | -0.01 (-0.03, 0.01) |  | 0.09 (-0.20, 0.38) | 0.00 (-0.21, 0.21) |
|  |  |  |  |  |  |  |
| **Friend contact** | Combined cognition | **0.08 (0.03, 0.12)** | **-0.03 (-0.05, -0.00)** |  | **0.35 (0.01, 0.69)** | **-0.28 (-0.50, -0.06)** |
|  |  |  |  |  |  |  |
| **Relative contact** | Combined cognition | -0.01 (-0.05, 0.04) | 0.00 (-0.02, 0.03) |  | 0.28 (-0.08, 0.63) | -0.03 (-0.26, 0.21) |

Notes: Baseline cognition centred at age 56 years; Number included in analysis of dementia-free participants = 6,810, dementia-cases = 282; All figures adjusted for age, sex, education, social class, ethnicity, smoking, alcohol, exercise, employment status, and marital status at baseline; Bold figures indicate p < 0.05