**Supplementary Table 1**

*Additional Participant Demographic Breakdowns*

|  | Parkinson’s disease *n* = 42 | Comparison*n* = 42 |
| --- | --- | --- |
|  | ***n*** | **%** | ***n*** | **%** |
| **Ethnicity** |
| Caucasian | 37 | 88.10 | 39 | 92.86 |
| Asian | 1 | 2.38 | 2 | 4.76 |
| Indigenous/Torres Strait | 0 | - | 1 | 2.38 |
| African | 0 | - | 0 | - |
| Pacific Islander | 2 | 4.76 | 0 | - |
| Other | 2 | 4.76 | 0 | - |
|  |  |  |  |  |
| **Native Language** |
| English | 37 | 88.10 | 40 | 95.24 |
| Mandarin | 1 | 2.38 | 0 | **-** |
| Italian | 0 | - | 0 | - |
| Cantonese | 0 | - | 0 | - |
| Arabic | 0 | - | 0 | - |
| Vietnamese | 0 | - | 0 | - |
| Greek | 0 | - | 0 | - |
| Other | 4 | 9.52 | 2 | 4.76 |
|  |  |  |  |  |
| **Relationship Status** |
| Single | 12 | 28.57 | 5 | 11.91 |
| Married | 24 | 57.14 | 23 | 54.76 |
| **Relationship Status (continued)** |
| De Facto | 3 | 7.14 | 3 | 7.14 |
| Widowed | 1 | 2.38 | 2 | 4.76 |
| Other | 2 | 4.76 | 9 | 21.43 |
|  |  |  |  |  |
| **Employment Status** |
| Unemployed | 7 | 16.67 | 1 | 2.38 |
| Part-time | 2 | 4.76 | 9 | 21.43 |
| Full-time | 4 | 9.52 | 8 | 19.05 |
| Retired | 26 | 61.91 | 21 | 50.00 |
| Other | 3 | 7.14 | 3 | 7.14 |
|  |  |  |  |  |
| **Handedness** |
| Right | 38 | 90.48 | 23 | 56.10 |
| Left | 4 | 9.52 | 18 | 43.90 |
|  |  |  |  |  |
| **Common Comorbid Medical Conditionsa** |
| High blood pressure | 2 | 4.76 | 4 | 9.52 |
| Previous cancer | 2 | 4.76 | 1 | 2.38 |
| Diabetes | 6 | 14.29 | 1 | 2.38 |
| Thyroid issues | 2 | 4.76 | - | - |
| Arthritis | 2 | 4.76 | - | - |
| **Common Comorbid Medical Conditionsa (continued)** |
| Sleep Apnoea | 4 | 9.52 | - | - |
| Asthma | 1 | 2.38 | - | - |
| Heart issues/Disease | 2 | 4.76 | 4 | 9.52 |
| Liver or Kidney Disease | 2 | 4.76 | - |  |
| Osteoporosis  | 1 | 2.38 | 1 | 2.38 |

a Majority of participants presented with no comorbid conditions, others presented with multiple.

**Supplementary Table 2**

*Informant Demographic and Participant Relationship Breakdown*

|  | Parkinson’s disease *n* = 20 | Comparison*n* = 29 |
| --- | --- | --- |
| **Demographics** |
| Mean Age (years) | 62.22 (11.83)a | 59.41 (16.55) |
| Mean Education (years) | 14.33 (3.66)a | 15.76 (3.10) |
| Gender (M:F) | 5:14b | 8:21 |
| **Relationship with Participant** |
| Mean length (years) | 38.56 (15.32)b | 33.11 (19.05) |
| Type (Partner:Relative:Friend) | 11:3:5b | 15:7:7 |
| Mean self-reported knowledge  | 6.84 (0.38)b | 6.55 (0.83) |
| Mean self-reported closeness  | 6.80 (0.41) | 6.46 (0.88) |
| Live together (Yes:No) | 10:10 | 16:13 |
| **If no, frequency of physical contact** | ***n*** | **%** | ***n*** | **%** |
| Most days | 3 | 30.00 | 3 | 23.08 |
| Once a week | 3 | 30.00 | 6 | 46.15 |
| Once a fortnight | 3 | 30.00 | 2 | 15.38 |
| Once a month | 1 | 10.00 | 1 | 7.69 |
| Every few months | 0 | - | 1 | 7.69 |

a*n* = 18. b*n* = 19.

**Supplementary Table 3**

*Means and Standard Deviations of Background Cognitive and Clinical Measures*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Parkinson’s disease*n* = 42 | Comparison*n* = 42 | Group Differences |
| **Cognitive Measures** |  |  |  |
| Forward Digit Span | 6.17 (1.40) | 6.57 (1.17) | *t*(82) = 1.44, *p* = .154, *Hedge’s g* = .311 |
| Backward Digit Span | 4.31 (1.05) | 4.33 (1.22) | *t*(82) = 0.10, *p* = .924*Hedge’s g* = .021 |
| HVLT-R Retention (%) | 81.19 (22.70) | 87.56 (17.70) | *t*(82) = 1.43, *p* = .155*Hedge’s g* = .310 |
| HVLT-R Discrimination | 9.14 (2.59) | 10.36 (1.62) | ***t*(82) = 2.58, *p* = .012*****Hedge’s g* = .557** |
| NART – Premorbid IQ | 107.38 (7.85) | 107.88 (15.68) | *t*(82) = 0.19, *p* = .847*Hedge’s g* = .041 |
| Verbal Fluency | 49.67 (10.93) | 57.69 (16.36) | ***t*(82) = 2.64, *p* = .010*****Hedge’s g* = .572** |
|  |  |  |  |
| **Clinical Measures** |  |  |  |
| AES | 29.86 (7.63) | 26.83 (6.49) | *t*(82) = 1.96, *p* = .053*Hedge’s g* = .423 |
| HADS | 12.93 (7.52) | 9.00 (4.77) | ***t*(82) = 2.86, *p* = .005*****Hedge’s g* = .618** |
| NPI-Q Severitya | 4.64 (5.74) | 1.15 (1.99) | ***t*(47) = 3.03, *p* = .004*****Hedge’s g* = .867** |
| NPI-Q Distressa | 4.57 (6.92) | 1.55 (2.89) | ***t*(47) = 2.11, *p* = .041*****Hedge’s g* = .602** |
| PDQ-39 Summary Index | 29.33 (19.11) | - | - |
| PDSS-2 | 23.69 (12.35) | - | - |

AES = Apathy Evaluation Scale. HADS = The Hospital Anxiety and Depression Scale. HVLT-R = Hopkins Verbal Learning Test-revised. NART = The National Adult Reading Test. NPI-Q = The Neuropsychiatric Inventory Informant Rated. PDQ-39 = Parkinson’s Disease Questionnaire-39. PDSS-2 = Parkinson’s Disease Sleep Scale Revised. a *n* = 20 for Parkinson’s disease and *n* = 29 for comparison group. Bold font = significant.