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| Supplemental Table 1. Sociodemographic, clinical, and cognitive characteristics of the LLD and NDE samples |
|  | LLD (*n* = 120)Mean (SD); Range | NDE (*n* = 56)Mean (SD); Range | Statistical analyses*t* or *X2* | *p*-value |
| **SOCIODEMOGRAPHICS** |  |  |  |  |
| Age | 66.73 (5.35) 60-86 | 67.95 (6.34)60-86 | -1.32 | 0.094 |
| Sex, female *n* (%) | 72 (60.0) | 29 (51.8) | 1.05 | 0.305 |
| Education, years | 14.99 (2.25)11-20 | 16.30 (2.12)12-20 | -3.67 | <0.001 |
| Race, Caucasian *n* (%) | 106 (88.3) | 44 (78.6) | 12.24 | 0.007 |
| **CLINICAL FACTORS** |  |  |  |  |
| MADRS | 26.08 (5.66)4-38 | 0.73 (1.07)0-4 | 47.21 | <0.001 |
| Age at depression onset, years | 35.32 (19.99)5-84 | -- | -- | -- |
| Length of current episode, days | 997.39 (975.18)15-5141 | -- | -- | -- |
| Family history of depression *n* (%) | 79 (65.8) | 18 (32.1) | 16.48 | <0.001 |
| Family history of bipolar disorder *n* (%) | 19 (15.8) | 10 (17.9) | 0.10 | 0.751 |
| Cumulative Illness Rating Scale – Geriatrics  | 5.50 (3.31)0-15 | 4.46 (2.75)0-14  | 2.04 | 0.022 |
| Framingham vascular risk  | 9.92 (3.73)3-18 | 9.05 (4.00)3-18 | 1.40 | 0.082 |
| WHODAS 2.0 | 76.44 (19.59)37-126 | 42.30 (8.70)28-63 | 13.38 | <0.001 |
| PROMIS | 23.47 (7.44)8-40 | 34.21 (5.72)22-40 | -7.32 | <0.001 |
| MMSE | 29.23 (1.11)25-30 | 29.30 (1.04)26-30 | -0.39 | 0.349 |
| **COGNITIVE DOMAIN FUNCTIONS** |  |  |  |  |
| Attention / working memory (*z*-score)\* | -0.05 (0.88)-1.85-2.05 | 0.13 (0.86)-1.85-2.74 | -1.30 | 0.097 |
| Processing speed (*z*-score)\* | -0.07 (0.74)-2.51-1.29 | 0.23 (0.60)-1.26-1.67  | -2.63 | 0.005 |
| Language (*z*-score)\* | -0.03 (0.65)-1.87-1.60 | 0.09 (0.57)-1.50-1.01 | -1.14 | 0.127 |
| Episodic recall (*z*-score)\* | -0.02 (0.74)-2.71-1.34 | 0.08 (0.74)-2.35-1.31 | -0.84 | 0.201 |
| Executive functions (*z*-score)\* | -0.07 (0.67)-2.26-1.21 | 0.22 (0.54)-1.25-1.45  | -2.81 | 0.003 |
| *Notes.* LLD: Late-Life Depression; NDE: Never Depressed Elders; MADRS: Montgomery Asberg Depression Rating Scale; WHODAS: WHO Disability Assessment Schedule; PROMIS: PROMIS Applied Cognition – Abilities Scale; MMSE: Mini-Mental Status Examination. Due to missing data, the following variables have different sample sizes: Age at depression onset (*n*’s = 117, 0), Length of current episode (*n*’s = 114, 0), Family history of depression (*n*’s = 119, 54), Family history of bipolar disorder (*n*’s = 117, 55), WHODAS 2.0 (*n*’s = 91, 33), PROMIS (*n*’s = 70, 33), and MMSE (*n*’s = 119, 54). \*Does not include data from the 1 depression outlier. |