**Supplementary Table 1.** Demographic, cognitive, mood, substance use, medical, disease, and everyday functioning characteristics for the memory impaired (n=77) and memory unimpaired (n=428) groups using 1.0 deficit score.

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Memory Impaired (n=77) | Memory Unimpaired (n=428)  | *p* |
| **Demographics** |  |  |  |
|  Age (years) | 40.3 (15.9) | 47.3 (12.1) | < .001 |
|  Education (years) | 12.3 (2.1) | 13.8 (2.6) | < .001 |
|  Gender (% men) | 75.3 | 87.2 |  .013 |
|  Race/Ethnicity |  |  | < .001 |
|  White (%) | 36.4 | 58.4 |  |
|  African American (%) | 45.5 | 22.7 |  |
|  Hispanic (%) | 18.2 | 16.8 |  |
|  Asian (%) | 0.0 | 1.4 |  |
|  Native American (%) | 0.0 | 0.7 |  |
| **Cognitive, Mood, and Substance Use** |  |  |  |
|  PRMQ Total (of 80) | 40.4 (12.1) | 37.5 (12.1) | .032 |
|  Retrospective Memory | 19.0 (6.2) | 17.5 (6.0) | .035 |
|  Prospective Memory | 21.4 (6.5) | 20.0 (6.6) | .047 |
|  Objective Memory Performance (T-score) | 37.1 | 50.8 | <.001 |
|  Elevated Depressiona (%) | 14.3 | 13.8 | .859 |
|  Elevated Anxietya (%) | 11.7 | 4.4 | .025 |
|  Substance Use Dependenceb (%) | 48.1 | 50.7 | .711 |
| **Medical** |  |  |  |
|  Hepatitis C Virus (%) | 20.4 | 20.5 | .989 |
|  Estimated duration of HIV infection (years) | 11.9 (9.4) | 14.6 (9.0) | .017 |
|  Current CD4 count (cells/μL) | 561.2 (296.3) | 595.0 (299.1) | .376 |
|  Nadir CD4 count (cells/μL)  | 260.7 (223.6) | 205.4 (178.2) | .063 |
|  AIDS (%) | 44.2 | 58.8 | .018 |
|  ARV status (% prescribed) | 90.8 | 84.2 | .161 |
|  Plasma HIV RNA (% detectable) | 24.0 | 28.2 | .486 |
|  Among those prescribed ARV | 17.9 | 20.9 | .624 |

*Note.* PRMQ = Prospective and Retrospective Memory Questionnaire; CD4 = cluster of differentiation

a Diagnosis of Major Depression Disorder or Generalized Anxiety Disorder (n=465) or elevated Brief Symptom Inventory (n=40).

bAny lifetime diagnosis of dependence on alcohol or illicit substances among n=465 with known lifetime diagnosis.

Data represent M (SD) or percentages.

**Supplementary Table 2.** Model fit indices and model comparison statistics for measurement invariance models across memory impaired (n=77) and memory unimpaired (n=428) groups using 1.0 deficit score cutoff.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **RMSEA** | **CFI** | **TLI** | **Chi-Square** | **DF** | **Δχ2 Test (DF)** | **p** |
| Entire Sample | 0.10 | 0.96 | 0.96 | 574.9 | 104 | -- | -- |
|  Memory Impaired (n=77) | 0.10 | 0.96 | 0.95 | 187.1 | 104 | -- | -- |
|  Memory Unimpaired (n=428) | 0.09 | 0.97 | 0.96 | 471.1 | 104 | -- | -- |
| Configural Invariance Model | 0.08 | 0.97 | 0.97 | 580.0 | 208 | -- | -- |
| Weak Invariance Model | 0.07 | 0.98 | 0.98 | 532.4 | 223 | 44.1(15) | <.001\* |
|  Partial Weak Invariance Model | 0.07 | 0.98 | 0.98 | 494.8 | 220 | 22.5(12) | .032 |
| Strong Invariance Model | 0.06 | 0.98 | 0.98 | 557.2 | 283 | 103.5(63) | .006\* |
|  Partial Strong Invariance Model | 0.06 | 0.98 | 0.98 | 518.6 | 278 | 73.8(55) | .100 |

\**p < .*025(Bonferroni-corrected alpha)

*Note.* Δχ2 Test value is derived from the DIFFTEST procedure in Mplus (Muthén & Muthén, 2017).