Supplementary Materials

Materials and Methods

Statistical Analyses

In exploratory analyses, the relationship between the five domain scores of the FCI-SF (Mental Calculation, Financial Conceptual Knowledge, Single Checkbook Register, Complex Checkbook Register, Bank Statement Management) and regional tau was assessed. The 2 tau regions with strongest associations in the primary analyses (entorhinal cortex and inferior temporal cortex) were included in the same models but with FCI-SF domain scores instead of total score.

Results

Linear regression models with backward elimination were run for tau regions across all participants utilizing the five domain scores of the FCI-SF Mental Calculation, Financial Conceptual Knowledge, Single Checkbook Register, Complex Checkbook Register, Bank Statement Management with education, age, sex, RAVLT Total Learning Score, and TMT-B as covariates. Results showed that Mental Calculation was significantly associated with greater tau burden in both regions (entorhinal cortex: β=-0.48, 95% CI=-0.86, -0.09, pr=-0.10, p=0.02; inferior temporal cortex: β=-0.54, 95% CI=-0.88, -0.21, pr=-0.12, p=0.002). Financial Conceptual knowledge also showed a significant association with greater tau burden in both regions (entorhinal cortex: β=-0.67, 95% CI=-1.06, -0.29, pr=-0.14, p=0.001; inferior temporal cortex: β=-0.57, 95% CI=-0.90, -0.23, pr=-0.13, p=0.001). FCI Single Checkbook registers also showed a significant association with greater tau burden in both regions (entorhinal cortex: β=-1.55, 95% CI=-2.57, -0.54, pr=-0.12, p=0.003; inferior temporal cortex: β=-1.26, 95% CI=-2.16, -0.35, pr=-0.11, p=0.007). FCI Complex Checkbook register was also shown to be significantly

associated with entorhinal cortex (β=-3.13, 95% CI=-4.89, -1.37, pr=-0.14, p=0.001) and inferior temporal cortex (β=-3.21, 95% CI=-4.77, -1.64, pr=-0.16, p<0.001). Lastly, FCI Bank Statement Management was also shown to be significantly associated with entorhinal (β=-1.19, 95% CI=-1.98, -0.40, pr=-0.12, p=0.003) and inferior temporal cortex (β=-0.87, 95% CI=-1.57, -0.16, pr=-0.10, p=0.02).