

impairment and take into account their subjective ratings regarding recipients' cognitive function. Although a high degree of agreement between recipient-rated and caregiver-rated cognitive function is desirable to reduce conflicts in developing plans, disagreement between the two may exist. This cross-sectional study is the first to examine the correlation between recipient-rated and caregiver-rated cognitive function in the LT population. Sixty pairs of adult LT recipients (mean age 60.4±6.9) and their caregivers (mean relationship with recipients 35 years) participated in this study. Two versions of Modified Everyday Cognition (ECog), one for LT recipients and the other for caregivers, were used to assess recipient-rated and caregiver-rated cognitive function in six domains, including memory and planning. Significant intra-class correlations were found in the ECog total and domain scores. The correlation coefficient of the ECog total score was 0.48, indicating a fair correlation, and the coefficients of the ECog domains ranged between 0.35 and 0.56, indicating poor to fair correlations based on the guideline of Cicchetti (1994). These findings suggest that a tailored approach to addressing the poor agreement between recipients and caregivers should be adopted to develop successful treatment plans for cognitive impairment. Future studies should examine the degree of agreement between objective (e.g., cognitive tests) and subjective ratings of cognitive function.

#### THE ASSOCIATION BETWEEN DIABETES AND COGNITION AMONG OLDER HISPANICS IN THE UNITED STATES AND MEXICANS IN MEXICO

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The objective is to assess if the effect of diabetes on cognition differs by race/ethnicity in the U.S. and how this association differs between older Hispanics in the U.S. and older Mexicans in Mexico. Data comes from a sample of older adults 50 and older with direct interviews from the 2012 waves of the Health and Retirement Study (N=17,810) and the Mexican Health and Aging Study (N=13,270). Cognition was measured as a total cognition score. OLS regressions were used to test the association between diabetes and cognition by race/ethnicity in the U.S. and among older Mexicans in Mexico. Results showed that Non-Hispanic Whites (NHW) had the highest cognition scores in the U.S., followed by Hispanics and non-Hispanic blacks (NHB). Mean cognition score of older Mexicans was higher than for NHB and Hispanics in the U.S. but lower than NHWs. The prevalence of diabetes was highest among Hispanics (32.3%), followed by NHB (30.6%) and NHW (19.9%). The prevalence of diabetes in Mexico was like those NHW in the U.S. (19.9%). In the U.S., the effect of being NHB and Hispanic (compared to white) on cognition was equivalent to having 5.3 and 2.4 fewer years of education, respectively. However, the effect of diabetes on cognition did not differ by race/ethnicity. The final analysis will include a direct comparison between Hispanics in the U.S. and a matched sample of older adults in Mexico with similar sex and age

to test differences in the effect of diabetes on cognition between these two samples.

#### THE RELATIONSHIP BETWEEN DAILY RAPID-EYE MOVEMENT SLEEP AND COGNITIVE FUNCTIONING IN OLDER ADULTS

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Previous cross-sectional research suggests that age-related decreases in Rapid-Eye Movement (REM) sleep may contribute to poorer cognitive functioning (CF); however, few studies have examined the relationship at the intraindividual level by measuring habitual sleep over multiple days. Applying a 14-day daily diary design, the current study examines the dynamic relationship between REM sleep and CF in 69 healthy older adults (M age=70.8 years, SD=3.37; 73.9% female; 66.6% completed at least an undergraduate degree). A Fitbit device provided actigraphy indices of REM sleep (minutes and percentage of total sleep time), while CF was measured four times daily on a smartphone via ambulatory cognitive tests that captured processing speed and working memory. This research addressed the following questions: At the within-person level, are fluctuations in quantity of REM sleep associated with fluctuations in next day cognitive measures across days? Do individuals who spend more time in REM sleep on average, perform better on cognitive tests than adults who spend less time in REM sleep? A series of multilevel models were fit to examine the extent to which each index of sleep accounted for daily fluctuations in performance on next day cognitive tests. Results indicated that during nights when individuals had more REM sleep minutes than was typical, they performed better on the working memory task the next morning (estimate = -.003, SE = .002, p = .02). These results highlight the impact of REM sleep on CF, and further research may allow for targeted interventions for earlier treatment of sleep-related cognitive impairment.

#### SESSION 2884 (POSTER)

##### DEMENTIA

#### BEHAVIORAL PATTERNS OF CARE PROVIDERS AND RESISTIVENESS TO CARE OF PERSONS WITH DEMENTIA

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Resistiveness to care in persons with dementia is a distinct obstacle for care providers to provide oral care. It is necessary to find out specific behaviors of care providers that affect resistiveness to care. This is a secondary data analysis to identify behaviors of care providers related to