the detrimental effect of educational disadvantages on processing speed in older Black adults. This may occur via benefits of social capital, which provides access to health resources and knowledge, increased social interaction, an emotional outlet allowing the ability to better cope with stress. Longitudinal analyses are needed to examine temporal patterns of associations. In addition, improving equitable access to high quality schools will improve later-life cognitive outcomes for future generations of older adults. However, for the growing number of Black older adults who will not experience the benefits of structural improvements in the education system, emotional and instrumental support may represent a modifiable psychosocial factor to reduce their disproportionate burden of cognitive morbidity.

Categories: Cross Cultural Neuropsychology/

Clinical Cultural Neuroscience
Keyword 1: cognitive functioning
Keyword 2: academic achievement
Keyword 3: cross-cultural issues
Correspondence: Kiara A. Baker, The
University of Tennessee Chattanooga,

wxw791@mocs.utc.edu

5 Association of Discrimination to Cognition Among US-Born and Immigrant Latinx

Shana S. Samuel¹, Dominika Seblova², Adam M. Brickman², Jennifer J. Manly², Desiree A. Byrd^{1,3}

¹The Graduate Center, City University of New York, New York, NY, USA. ²Taub Institute for Research on Alzheimer's Disease and the Aging Brain, Columbia University, New York, NY, USA. ³Queens College, City University of New York, New York, NY, USA

Objective: Neuropsychology is in a nascent stage of understanding the mechanisms that link social forces, psychosocial experiences, and brain health. Discrimination is associated with lower quality of life, higher stress, and worse physical health outcomes in Latinx, but contradictory findings in prior research complicate our understanding of its relationship to cognition. These contradictory results may be

explained by heterogeneity within the broad category of Latinx, a cultural identity that requires more nuanced conceptualization. Immigration status is a primary social identifier for Latinx people that carries significant stigma. However, prior research found enculturation promotes better physical and mental health outcomes in immigrants compared to their USborn counterparts, which may protect immigrant Latinx from the cognitive costs of discrimination. The current study hypothesized that the effect of discrimination on cognition will be stronger in US-born Latinx compared to immigrant Latinx. Participants and Methods: We partnered with 1,023 neurologically healthy, community dwelling Latinx adults (Mage=56.1(±10.7); M education=12.5(±3.7); 69% women) in a prospective cohort study in NYC investigating risks factors for Alzheimer's disease. Immigration status was determined by selfreport of birthplace. Measures of attention, language, and memory were administered by bilingual examiners in the participants' selfselected preferred language of English (n = 388) or Spanish (n=635). Discrimination, measured with the Everyday Discrimination Scale and Major Experiences of Discrimination Scale, was chronicity coded to weigh experiences of discrimination according to yearly chronicity. Linear regression models were employed for US-born and immigrant participants to assess the relationship between both discrimination measures and each cognitive measure. **Results:** Compared to US-born Latinx (n = 224), immigrant Latinx (n = 799; primarily from the Dominican Republic) were older, had fewer years of school, had lower income, and were much more likely to have chosen to be assessed in Spanish. Immigrants reported experiencing significantly fewer everyday and major experiences of discrimination than nonimmigrants. In unadjusted models, discrimination did not predict cognitive performance among US-born Latinx. Among immigrant Latinx, more major experiences of discrimination across the lifetime predicted better phonemic (F(2,362) = 4.167, p<0.05, R^2 =0.017) and semantic fluency (F(2,362) = 3.304, p<0.05, R^2 =0.013) but was not associated with measures of attention or memory.

Conclusions: Discrimination is an important life stressor for Latinx people living in the US, particularly when its impact is summed across intersectional identities. The current study is among the first to explore the potential cognitive

impact of discrimination within a group of Latinx adults. The described relationship between discrimination and language performance in this cohort may be confounded by the language in which cognitive tests were administered. Future studies should consider how discrimination measures may be limited in their ability to accurately capture the experiences of US-born and immigrant Latinx groups and expand the measurement of cognition to additional domains.

Categories: Cross Cultural Neuropsychology/

Clinical Cultural Neuroscience **Keyword 1:** cross-cultural issues **Keyword 2:** cognitive functioning

Correspondence: Shana S. Samuel The Graduate Center, City University of New York

shana.samuel@qc.cuny.edu

6 Code-switching, Language Attitudes, and Executive Function in Latinx Bilinguals

Alice Gavarrete Olvera^{1,2}, Jet M. J. Vonk³, Adam M. Brickman⁴, Desiree Byrd¹, Miguel Arce Rentería⁴

¹Queens College, New York, NY, USA. ²The Graduate Center, New York, NY, USA. ³University of California San Francisco, San Francisco, CA, USA. ⁴Columbia University Medical Center, New York, NY, USA

Objective: Code-switching is when bilingual individuals alternate between two languages in the same conversation. Some studies find that code-switching frequency is associated with executive functioning, while others do not. Individual attitudes towards bilingual language use and code-switching may explain the inconsistency in the literature. For instance, greater positive attitudes towards code-switching may be associated with more likelihood to engage in that practice and thus strengthen the cognitive benefit in executive function. Additionally, code-switching between English and Spanish has been stigmatized in the U.S., therefore it is unclear what sociocultural factors may predict positive attitudes. In this study, we assessed Latinx bilinguals' attitudes on codeswitching and investigated their relationship with code-switching frequency, sociodemographic and linguistic factors, and executive functioning.

Participants and Methods: Participants were 525 community-dwelling English-Spanish bilingual Latinx adults from the Offspring study (Mage= 55.38 (10.42); Meducation= 12.62 (3.34): 71% women: 41% tested in English, 75% immigrant). A language history questionnaire assessed for bilingualism and code-switching frequency. Participants completed 7 questions on code-switching attitudes on a 7-point Likert scale ranging from Strongly Disagree to Strongly Agree (e.g., "switching between languages in a conversation is an important part of my identity"), that were summed for a total score with higher scores indicating more positive attitudes. Executive functioning was assessed with the NIH Toolbox Cognition battery, verbal fluencies, and the digit span test. Sociodemographic and linguistic factors included age, sex, education, immigrant status, parental years of education, English and Spanish proficiency (average score on selfreported ratings on speaking, reading, writing, and understanding), and testing language. General linear models evaluated the association of code-switching attitudes on executive function, after adjusting for relevant covariates. **Results:** Positive code-switching attitudes were correlated with greater code-switching, r(499)=.33, p<.001. Younger age r(499)=-.11, being born in the US t(493)=-2.05, greater English proficiency r(497)=.15, and English dominance t(499)=2.22, were associated with more positive code-switching attitudes (all p's <.05). Sex, education, parental years of education, and Spanish proficiency were not associated with code-switching attitudes. Overall models of attitudes with executive function indicated that positive code-switching attitudes were associated with worse visual working memory (b = -0.08, t(169) = -2.75, 95% CI [-0.14, -0.02]) after adjusting for age, sex, education, immigration status, parental years of education and testing language. Code-switching attitudes were not significantly associated with other executive function measures. Conclusions: Among a community-based sample of bilingual middle-aged Latinx adults. positive attitudes towards code-switching were associated with greater likelihood of codeswitching in conversations, higher English proficiency, being US born, younger age, and English language dominance but negatively associated with visual working memory. These findings indicate that code-switching attitudes are influenced by sociodemographic and linguistic factors. Additionally, the negative