

Abstract
Posters

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Relationship Between Mental Health and Physical Health and Neurocognitive Function among Latinx People Living With HIV

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Objective: The relationship between self-reported mental health (MH), physical health (PH), and neurocognition (NC) is vastly understudied among Latinx people living with HIV (PLWH). Evidence of increased somatization in this group suggests that self-reported MH and PH may contextualize cognitive outcomes among Latinx PLWH. Thus, this study examines the relationship between self-reported MH/PH and NC in a sample of Latinx PLWH. **Method:** This study included 76 Latinx PLWH (33% female; M age = 46.0, SD = 7.08) who completed the Medical Outcomes Study HIV Health Survey (MOS-HIV) and a comprehensive neurocognitive battery. MH and PH were defined by the MOS-HIV, where higher MH and PH summary scores indicate better perceived health. Demographically-corrected T-scores were used to compute average global NC and domain scores. **Results:** Within Latinx PLWH, partial correlations controlling for age and education found PH was associated with better processing speed ($r = .28$, $p = .03$), and MH was related to better global NC, fluency, learning, and processing speed ($ps < .05$). A series of multiple regressions (Step 1: age, education, Step 2: MH, PH summary scores) were used to predict NC domain scores. MH ($R^2 = .11-.15$) significantly predicted better attention/working memory ($\beta = .26$, $p = .03$) and global NC at the trend level ($\beta = .19$, $p = .07$). PH did not predict any NC domains. **Conclusions:** Findings indicate that MH and PH correlated with global and domain-specific NC within Latinx PLWH. Better self-reported MH may improve attention/working memory and global NC in Latinx PLWH. Somatization is important when considering MH/PH and cognition within Latinx PLWH; physicians should consider the impact of patients' self-reported MH/PH on NC in Latinx PLWH.