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**Correspondence:** Jennifer J. Manly Ph.D.,  
Columbia University Irving Medical Center,  
jjm71@cumc.columbia.edu

## 16 The Multicultural Neuropsychological Scale (MUNS): The New Attention Subtest, Preliminary Cross-Cultural Data

Gabriel Jáuregui<sup>1</sup>, Saleena Wilson<sup>2</sup>, Autumn Wild<sup>2</sup>, Kara Eversole<sup>3</sup>, Bernice Marcopulos<sup>2</sup>, Alberto Fernández<sup>1,4</sup>

<sup>1</sup>Universidad Católica de Córdoba, Córdoba, Argentina. <sup>2</sup>James Madison University, Harrisonburg, VA, USA. <sup>3</sup>University of Florida, Gainesville, FL, USA. <sup>4</sup>Universidad Nacional de Córdoba, Córdoba, Argentina

**Objective:** The MUNS is a screening scale developed in Córdoba, Argentina (2018). It is devised with multicultural stimuli that are easily translated into different languages. The scale consists of seven subtests evaluating five cognitive domains: attention, memory, executive functioning, constructional praxis, and language. Previous cross-cultural studies with this scale found significant differences in performance on the attention subtest. The authors have developed a new attention subtest called “Arrows Cancellation”, a short cancellation test designed to overcome its predecessor's shortcomings. The minimum score of this subtest is 0, and the maximum score is 160. It takes between 3 to 5 minutes to administer. A pilot study of this subtest was performed in Argentina in 2021 (n=62, M=105.61 ± 15.06). The aim of this study is to present the first cross-cultural comparison for the Arrows Cancellation subtest of the MUNS.

**Participants and Methods:** Argentinian (n=25, 84% female) and U.S.A. (n=39, 87% female) samples were administered the Arrows Cancellation subtest. In both cases, individuals gave their consent to participate voluntarily in this study. Participants' health backgrounds, explored through a set of questions, determined their inclusion in the study. Participants with any of the following diagnoses were excluded from this sample: stroke, loss of consciousness (at least 20 minutes), traumatic head injury, central nervous system disease, chronic renal

insufficiency, hepatic encephalopathy, non-treated thyroid disease, epilepsy, non-treated high blood pressure, severe cardiac failure, severe sleep disorders, coma, diagnosed psychiatric disease, or illegal drug consumption. Argentinians were given the instructions in Spanish whilst Americans were instructed in English. The mean age for the Argentinian sample was 21.24 ± 2.44, and for the American sample it was 20.18 ± 1.89. The mean years of education was 13.44 ± 0.96 for the Argentinian group and 13.6 ± 1.55 for the American group. A t-test showed that there were no significant differences in age (p=.06), years of schooling (p=.67) between both samples.

**Results:** The mean score of the Arrows Cancellation subtest for the Argentinian sample was 107.30 ± 14.51 and 108.95 ± 14.12 for the American sample. A t-test did not show significant differences in the Arrows Cancellation subtest score between samples (p=.65). In addition, there were no significant differences between males and females (p=.43).

**Conclusions:** The results of this study show that the new attention subtest of the MUNS did not show significant differences between two different cultural samples. Further studies are needed to confirm its utility in other cultural settings. Among the limitations of this study are the sample sizes and the restricted ranges of age and years of schooling.

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**Correspondence:** Gabriel Jáuregui,  
Universidad Católica de Córdoba,  
gabriel.jaur@gmail.com

## 17 Performance Validity and Ethnicity

Gabrielle A. Hromas, Emma Majors, Jeremy J. Davis

University of Texas Health Science Center at San Antonio, San Antonio, Texas, USA

**Objective:** This study examined false positive rates of performance validity test (PVT) failure in a group of monolingual (English-speaking) White non-Hispanic/Latinx (non-HL), monolingual (English-speaking) Hispanic/Latinx (HL), and