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### **Physical activity, socialization and reading in the elderly over the age of seventy: What is the relation with cognitive decline? Evidence from “The Treviso Longevity (TRELONG) study”**

#### **Abstract**

Evidence in the literature suggests that physical activity, social contacts and cognitively stimulating activity, such as reading, often considered individually, may improve cognitive performance. Our work examines their interactions and confirms their positive effects on cognitive functions. The correlations between physical activity, socialization, reading and improved cognitive performance remained significant after adjusting for confounding factors, such as comorbidity and hearing function. Our work suggests that these factors are important for the prevention of cognitive decline in the elderly.

a ARGeI, Interdisciplinary Geriatric Research Association, Trento Trieste Avenue 19, I-31100 Treviso, Italy

b The Medical College of Wisconsin, 9200 West Wisconsin Avenue, Milwaukee, Wisconsin 53226, USA

c Department of Statistics, University of Padova, Via Cesare Battisti 241, I-35121 Padova, Italy

d Department of Neuroscience, Mario Negri Institute for Pharmacological Research, La Masa Street 19, I-20156 Milano, Italy