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Neuropsychological disorders and associated factors in older people in Guinea

Thierno Mamadou Millimono^{* 1, 2}, Alioune Camara², David Cherif², Gustave Mabiama³, Pierre- Marie Preux¹, Jean Claude Desport¹, Pierre Jésus^{1, 4, 5}

¹Inserm U1094, IRD U270, Univ. Limoges, CHU Limoges, EpiMaCT - Epidemiology of chronic diseases in tropical zone, Institute of Epidemiology and Tropical Neurology, OmegaHealth, Limoges, France, ²Gamal Abdel Nasser University of Conakry, Guinea, ³Department of Family and Home Economics, Advanced Teachers Training College for Technical Education (ATTCTE), University of Douala, Cameroon, ⁴Resource Centre for Nutrition Nouvelle Aquitaine Region (CERENUT), Isle, France, ⁵Nutrition Unit, University Hospital, Limoges, France

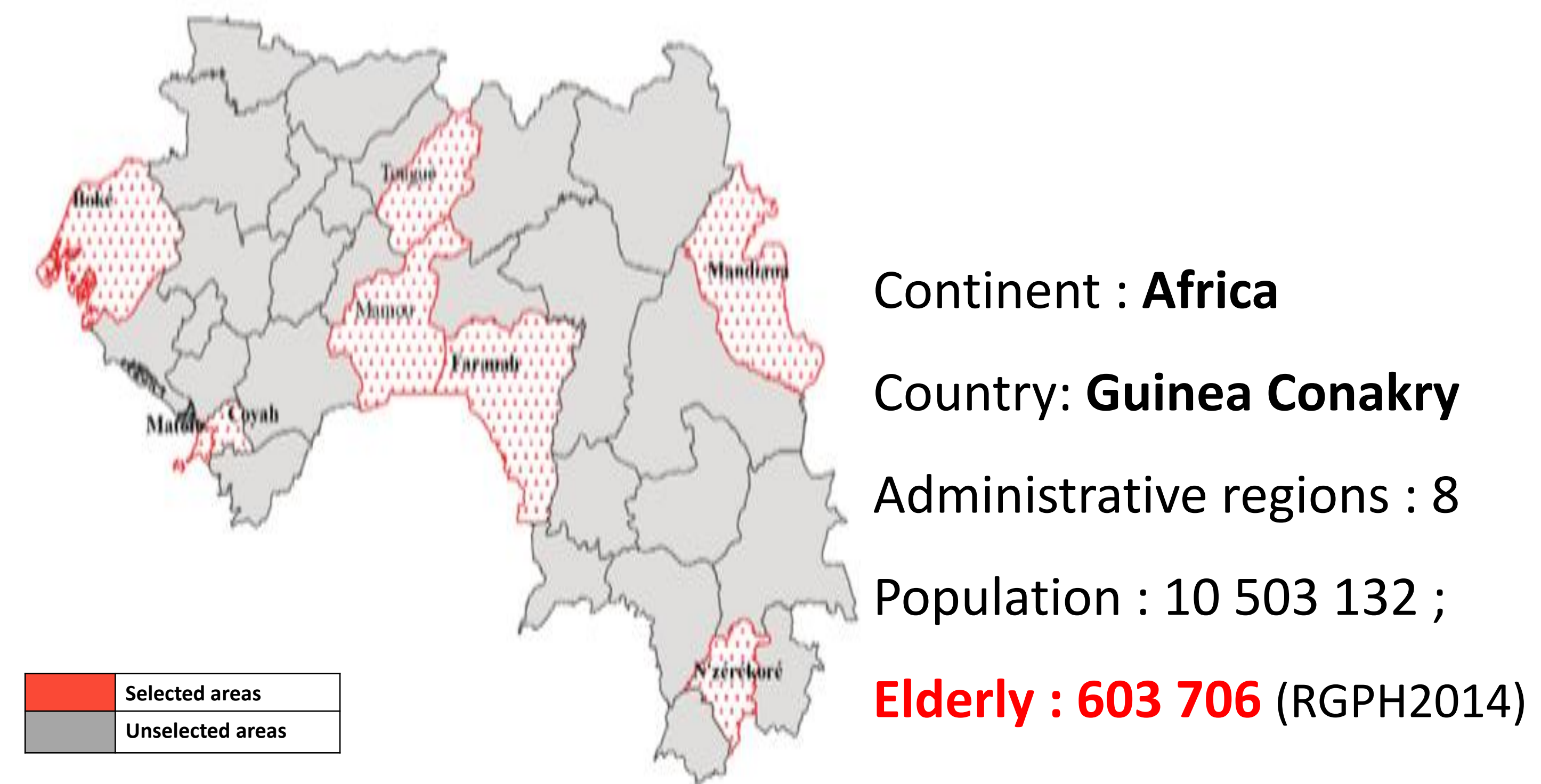
Introduction

Neuropsychological disorders in the elderly represent a major societal concern, characterized by cognitive deterioration accompanying cerebral ageing or neurodegenerative or vascular neurological pathologies.

Objective

The main objective of our study was to contribute to a better understanding of neuropsychological disorders in people aged 60 and over in Guinea.

Methods



Design : Cross-sectional study

Collection date : February - April 2021.

Population : 1680 with age 60 years (urban and rural area).

Neuropsychological disorders : depressive symptomatology and Mini Mental State Examination.

Logistic regression : identify factors associated with neuropsychological disorders.

Student's t-test, Mann-Whitney test and Chi²; Significant level of 5%.

Approval : CNERS Guinea.

Results

Sociodemographic and health characteristics		Factors associated with neuropsychological disorders in elderly			
Sociodemographic and health variables	Description (n=1698)	Cognitive impairment	Odds ratio	CI 95%	p-value
Age(mean ± SD)	71.6 ± 9.4	60-69 years	1.38	1.11-1.72	0.004
Male sex, n (%)	1079 (63.5)	Married	1.47	1.12-1.93	0.005
Rural residence, n (%)	1097 (64.6)	No active	1.43	1.13-1.80	0.003
Married, n (%)	1289 (75.9)	Normal (BMI)	1.63	1.19-2.24	0.002
No active, n (%)	872 (51.4)	Overweight (BMI)	1.69	1.16-2.48	0.006
Undernutrition (<18.5), n (%)	247 (14.5)	Obesity (BMI)	1.74	1.03-2.95	0.039
Obesity (≥ 30), n (%)	96 (5.7)	Depressive symptoms			
Neuropsychological disorders (Yes), n (%)	1118 (65.8)	Married	1.56	1.17-2.08	0.003
Depressive symptomatology, n (%)	635 (37.4)	No active	2.03	1.55-2.66	<0.0001
		Urban residence	4.98	3.83-6.49	<0.0001
		Obesity (BMI)	2.28	1.28-4.06	0.005

Corresponds

Thierno Mamadou MILLIMONO
thiernomil07@gmail.com
 Inserm U1094, IRD U270, Univ. Limoges, CHU
 Limoges, EpiMaCT , OmegaHealth,
 2 rue du Dr Marcland 87000 Limoges – France

Conclusion

This is the first study describing the high prevalence of neuropsychological disorders and depressive symptoms in the elderly and the associated factors. It is therefore necessary to consider a screening plan in order to facilitate the management of these disorders which weaken the lives of our elderly.

Keywords

Disorders, Neuropsychological, Elderly, Guinea.

LEGEND: BMI= Body Mass Index; RGPH = General Population and Housing Census, CNERS = National Research and Health Ethics Committee