



Prevalence and Management Strategies for Non-Communicable Diseases among Senegalese Immigrants in Copenhagen, Denmark: An Integration Assessment

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Abstract

Non-communicable diseases (NCDs), including cardiovascular conditions and diabetes, are prevalent among Senegalese immigrants in Copenhagen, Denmark. The health disparities highlight the need for effective integration strategies to improve access and management of these chronic illnesses. A cross-sectional study was conducted, utilising data from a sample of 200 Senegalese immigrants residing in Copenhagen. Data were collected using questionnaires on NCD prevalence and socio-demographic factors, supplemented with interviews for qualitative insights. The preliminary findings indicate that cardiovascular conditions are the most prevalent among Senegalese immigrants (78%), followed by diabetes (25%). There is a significant variation in management practices across different healthcare providers. Integration of NCD management strategies into existing Danish healthcare systems requires tailored interventions addressing language barriers, cultural differences, and provider knowledge gaps. Develop culturally sensitive health education programmes for Senegalese immigrants to improve understanding of NCDs. Establish partnerships between community leaders and healthcare providers to facilitate better access. Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta^T X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, Cardiovascular, Diabetes, Migration, PublicHealth, Epidemiology, Integration*

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