

VOLUME 41, NUMBER 3

March 2024

ISSN 0189 - 160X

WAJM

WEST AFRICAN JOURNAL OF MEDICINE

ORIGINALITY AND EXCELLENCE IN MEDICINE AND SURGERY



OFFICIAL PUBLICATION OF
THE WEST AFRICAN COLLEGE OF PHYSICIANS *AND*
WEST AFRICAN COLLEGE OF SURGEONS



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Periodontal Diseases in Adult and Elderly Nigerians: A National Survey

Maladies Parodontales Chez les Adultes et les Personnes Âgées Nigérianes: Une Enquête Nationale

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ABSTRACT

BACKGROUND: Periodontitis has been shown to have links with general health and increase the risk of complications of some systemic diseases now showing a rising prevalence with age. The rising proportion of the elderly globally, and a high prevalence of periodontal disease among older adults may significantly impact the need for oral health care services in the near future. This national survey was carried out to highlight the trend of periodontal diseases among adult and elderly Nigerians and make evidence-based recommendations for good management outcomes.

Materials & Methods: A national cross-sectional survey of periodontal diseases (using the CPITN Index) among adult (35-44-year-old) and elderly (65-74-year-old) Nigerians selected by multistage sampling method.

Results: Periodontal disease is prevalent among adults (96.5%) and elderly (97.6%) Nigerians, with the zonal prevalence approximating the national prevalence. Gingivitis is the prevalent periodontal disease type in these age groups, with a national prevalence of 86.8%, 67.6% respectively, and more in the South than the North for both adults (90.7%, 83%) and elderly (75.7%, 59.7%), respectively ($p<0.005$). Destructive Periodontitis prevalence in adult and elderly Nigerians is 9.5%, 29.9%, respectively ($p<0.05$), with the North being more affected than South for both adults (13.4%, 5.6%) and elderly (37%, 22.7%), respectively ($p<0.05$). There is also a significant rise in the occurrence of destructive periodontitis with age, nationally and in all the zones ($p<0.05$).

Conclusion: There is a high prevalence of periodontal diseases in adult and elderly Nigerians. The outcome of the management of periodontal diseases in adults and the elderly is inter-dependent on best practices in both oral and general health care service provision.

WAJM 2024; 41 (3): 322 - 332.

KEYWORDS: Prevalence, Gingivitis, Periodontitis, National, Survey

RÉSUMÉ

CONTEXTE: La parodontite a été liée à la santé générale et à l'augmentation du risque de complications de certaines maladies systémiques, montrant maintenant une prévalence croissante avec l'âge. La proportion croissante de personnes âgées dans le monde et une prévalence élevée des maladies parodontales chez les personnes âgées pourraient avoir un impact significatif sur le besoin de services de santé bucco-dentaire dans un avenir proche. Cette enquête nationale a été réalisée pour mettre en évidence la tendance des maladies parodontales chez les adultes et les personnes âgées nigérianes et formuler des recommandations fondées sur des preuves pour de bons résultats en matière de gestion.

MATÉRIEL ET MÉTHODES: Une enquête nationale transversale sur les maladies parodontales (utilisant l'indice CPITN) parmi les adultes (35-44 ans) et les personnes âgées (65-74 ans) nigériaines sélectionnées par méthode d'échantillonnage à plusieurs niveaux.

RÉSULTATS: Les maladies parodontales sont prévalentes chez les adultes (96,5 %) et les personnes âgées (97,6 %) nigérianes, la prévalence zonale approchant la prévalence nationale. La gingivite est le type de maladie parodontale prédominant dans ces groupes d'âge, avec une prévalence nationale de 86,8 %, 67,6 % respectivement, et plus dans le Sud que dans le Nord pour les adultes (90,7 %, 83 %) et les personnes âgées (75,7 %, 59,7 %), respectivement ($p<0,005$). La prévalence de la parodontite déstructrice chez les adultes et les personnes âgées nigérianes est de 9,5 %, 29,9 %, respectivement ($p<0,05$), le Nord étant plus touché que le Sud pour les adultes (13,4 %, 5,6 %) et les personnes âgées (37 %, 22,7 %), respectivement ($p<0,05$). On observe également une augmentation significative de l'occurrence de la parodontite déstructrice avec l'âge, nationalement et dans toutes les zones ($p<0,05$).

CONCLUSION: Il existe une prévalence élevée des maladies parodontales chez les adultes et les personnes âgées nigérianes. Les résultats de la gestion des maladies parodontales chez les adultes et les personnes âgées dépendent des meilleures pratiques dans la prestation de services de santé bucco-dentaire et générale.

WAJM 2024; 41 (3): 322 - 332.

MOTS CLÉS: Prévalence, Gingivite, Parodontite, Nationale, Enquête

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