

Saúde bucal e promoção da saúde no envelhecimento: revisão narrativa

Oral health and health promotion in aging: narrative review

Salud bucal y promoción de la salud en el envejecimiento: revisión narrativa

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Resumo

Objetivo: Identificar, no estado da arte, a relação entre saúde bucal, promoção da saúde e idosos. **Métodos:** Revisão narrativa realizada de 1º maio a 11 de dezembro de 2022, nas seguintes bases de dados nacionais e internacionais: *National Center for Biotechnology Information National Institutes of Health* (PUBMED), *Scientific Electronic Library Online* (SciELO), *SciVerse Scopus* (Scopus), e descritores: “saúde bucal”, “promoção da saúde” e “idoso”. Foram encontrados 608 artigos, dos quais 67 constituíram a amostra final. O material foi analisado e organizado por meio do aplicativo Rayyan. **Resultados:** Da associação dos resultados encontrados na análise da nuvem de palavras e dos principais resultados dos 67 artigos apresentados, pode-se destacar que a maioria dos estudos sobre promoção da saúde bucal tem-se concentrado em intervenções na melhoria da qualidade de vida dos idosos, além de patologias associadas ao não cuidado com a saúde bucal. **Conclusão:** Espera-se que os achados deste estudo possam favorecer os profissionais de saúde, no intuito de compreender a importância da promoção da saúde bucal em idosos, favorecendo o direcionamento da assistência.

Palavras-chave: Saúde bucal; Promoção da Saúde; Idoso; Saúde do idoso.

Abstract

Objective: to identify, in the state of the art, the relationship between oral health, health promotion and the elderly. **Methods:** narrative review. **Methods:** narrative review carried out from May 1 to December 11, 2022 in the following national and international databases: *National Center for Biotechnology Information National Institutes of Health* (PUBMED), *Scientific Electronic Library Online* (SciELO), *SciVerse Scopus* (Scopus) and descriptors: “oral health”, “health promotion” and “elderly”. 608 articles were found, of which 67 constituted the final sample. The material was analyzed and organized using the Rayyan application. **Results:** from the association of the results found in the word cloud analysis and the main results of the 67 articles presented, it can be highlighted that most studies on oral health promotion have focused on interventions to improve the quality of life of the elderly, in addition to pathologies associated with lack of oral health care. **Conclusion:** it is expected that the findings of this study can favor health professionals, in order to understand the importance of promoting oral health in the elderly, favoring the direction of care.

Keywords: Oral health; Health promotion; Aged; Health of the elderly.

Resumen

Objetivo: identificar, en el estado del arte, la relación entre salud bucal, promoción de la salud y ancianos. **Métodos:** revisión narrativa. **Métodos:** revisión narrativa realizada del 1 de mayo al 11 de diciembre de 2022 en las siguientes bases de datos nacionales e internacionales: *Centro Nacional de Información Biotecnológica Institutos Nacionales de Salud* (PUBMED), *Scientific Electronic Library Online* (SciELO), *SciVerse Scopus* (Scopus) y descriptores: “salud bucal”, “promoción de la salud” y “ancianos”. Se encontraron 608 artículos, de los cuales 67 constituyeron la muestra final. El material fue analizado y organizado utilizando la aplicación Rayyan. **Resultados:** de la asociación de los

resultados encontrados en el análisis de la nube de palabras y los principales resultados de los 67 artículos presentados, se puede destacar que la mayoría de los estudios sobre promoción de la salud bucal se han centrado en intervenciones para mejorar la calidad de vida de los ancianos, en además de patologías asociadas a la falta de cuidado de la salud bucal. *Conclusión:* se espera que los hallazgos de este estudio puedan favorecer a los profesionales de la salud, para comprender la importancia de promover la salud bucal en los ancianos, favoreciendo la dirección del cuidado.

Palabras clave: Salud bucal; Promoción de la salud; Anciano; Salud del anciano.

1. Introdução

A promoção da saúde hoje se constitui em um elemento importante, capaz de fortalecer os indivíduos para exercerem um maior controle sobre sua saúde e sobre os fatores de risco que possam afetá-la. Para tanto, demanda a articulação do conjunto das políticas públicas e dos diferentes setores da sociedade visando à melhoria da qualidade de vida (Malta et al., 2014). A articulação intersetorial, no âmbito da Promoção da Saúde, tem como objetivo promover a gestão compartilhada entre usuários, movimentos sociais, trabalhadores do setor sanitário e de outros setores, produzindo autonomia e corresponsabilidades (Malta et al., 2018).

A Política Nacional de Promoção a Saúde (PNPS), que foi instituída em 2006, está consolidada atualmente na Portaria nº 2, de 28 de setembro de 2017 e possui, na sua construção, as participações da Organização Pan-Americana da Saúde (OPAS) e do Grupo de Promoção da Saúde da Associação Brasileira de Saúde Coletiva (ABRASCO) (Brasil, 2018). O conceito de promoção da saúde na PNPS foi aprimorado pelas Conferências Internacionais Sobre Promoção da Saúde e, como tal, se expressa em um conjunto de estratégias, como forma de produzir saúde, atuando em âmbito individual e coletivo, por meio da articulação e cooperação intrasetorial e intersetorial e na Rede de Atenção à Saúde, se articulando também com outras redes de proteção social, com intuito de atingir uma ampla participação e controle social. Pretende-se, com isso, a equidade e a qualidade de vida (Brasil, 2018).

O envelhecimento populacional impõe desafios ao setor da saúde que perpassam questões econômicas e sociais, já que o Estado deve garantir a assistência integral às pessoas idosas, através de uma rede de serviços articulada e resolutiva (Silva & Mourão, 2021). Há uma estimativa, para o ano de 2050, de mais de dois bilhões de pessoas acima de 60 anos no mundo (Brasil, 2006).

No Brasil, uma das iniciativas voltadas ao envelhecimento saudável é a Política Nacional de Saúde da Pessoa Idosa (PNSPI), regulada pela Portaria MS/GM nº 2.528/2006, que tem como finalidade “recuperar, manter e promover a autonomia e a independência dos indivíduos idosos, direcionando medidas coletivas e individuais de saúde para esse fim, em consonância com os princípios e diretrizes do SUS” (Brasil, 2006). Como diretrizes, a promoção do envelhecimento ativo e saudável; atenção integral, integrada à saúde da pessoa idosa; estímulo às ações intersetoriais, visando à integralidade da atenção; provimento de recursos capazes de assegurar qualidade da atenção à saúde da pessoa idosa; estímulo à participação e fortalecimento do controle social; formação e educação permanente dos profissionais de saúde do SUS na área de saúde da pessoa idosa; divulgação e informação sobre a PNSPI para profissionais de saúde, gestores e usuários do SUS; promoção de cooperação nacional e internacional nas experiências na atenção à saúde da pessoa idosa; e apoio ao desenvolvimento de estudos e pesquisas (Brasil, 2006).

A integralidade da atenção à saúde é essencial no cuidado às pessoas idosas e sua prática é possível através de uma articulação intersetorial, a fim de contemplar as necessidades desse grupo etário. Por isso, preconiza-se a atuação em dois eixos principais: a promoção da saúde – em todos os níveis de atenção – e a prevenção das fragilidades do idoso – a fim de superar a abordagem essencialmente curativa (Martins et al., 2019).

Não se pode negar a importância da promoção da saúde neste processo e, de modo particular, reconhecer que a promoção de saúde bucal, ao longo da vida, contribui para que tal população chegue a essa fase com bem-estar integral (Torquato & Schmidt, 2020). A promoção de saúde bucal em idosos busca garantir o bem-estar, a melhoria da qualidade de vida e da autoestima, melhorando a mastigação, a estética e a possibilidade de comunicação, conforme o Caderno de Atenção Básica nº 17 (Brasil, 2008).

Torna-se relevante que os resultados dos estudos existentes acerca da saúde bucal, promoção da saúde e idosos sejam sintetizados para apresentar a evolução científica da temática, contribuir com a divulgação desses estudos e apontar as lacunas que poderão subsidiar a realização de futuros estudos. Assim, este estudo busca resposta para a seguinte questão: *Qual o estado da arte a respeito da relação entre saúde bucal, promoção da saúde e idosos?*

Desse modo, o presente estudo teve como objetivo identificar, através do estado da arte, a relação entre saúde bucal, promoção da saúde e idosos.

2. Metodologia

Trata-se de uma revisão narrativa da literatura sobre o tema, com o objetivo de elucidar a relação entre saúde bucal, promoção da saúde e idosos. Esta revisão permitiu avaliar o que está sendo estudado atualmente sobre o assunto, bem como apontar lacunas neste conhecimento que precisam ser preenchidas com estudos posteriores (Mendes, Silveira & Galvão, 2008).

Para conduzir esta investigação, foram seguidas seis etapas: elaboração da questão de pesquisa, definição dos critérios de inclusão e exclusão; busca nas bases de dados; extração dos dados; avaliação dos estudos selecionados; análise e síntese narrativa dos resultados.

A partir da questão de pesquisa “Qual o estado da arte a respeito da relação entre saúde bucal, promoção da saúde e idosos?” foram selecionados descritores em Ciências da Saúde (DeCS), adequados para a pesquisa nas bases de dados. Os descritores utilizados foram: “saúde bucal”, “promoção da saúde” e “idosos”. As buscas de títulos e registros nas bases de dados e identificação do estudo aconteceram entre os meses de maio e novembro de 2022.

Iniciou-se a etapa de identificação a partir da escolha dos bancos de dados, sendo estes: PUBMED (National Center for Biotechnology Information National Institutes of Health), SciELO (Scientific Electronic Library Online) e Scopus (SciVerse). Para o mecanismo de busca foram utilizados os operadores booleanos AND e OR, no cruzamento dos descritores mencionados.

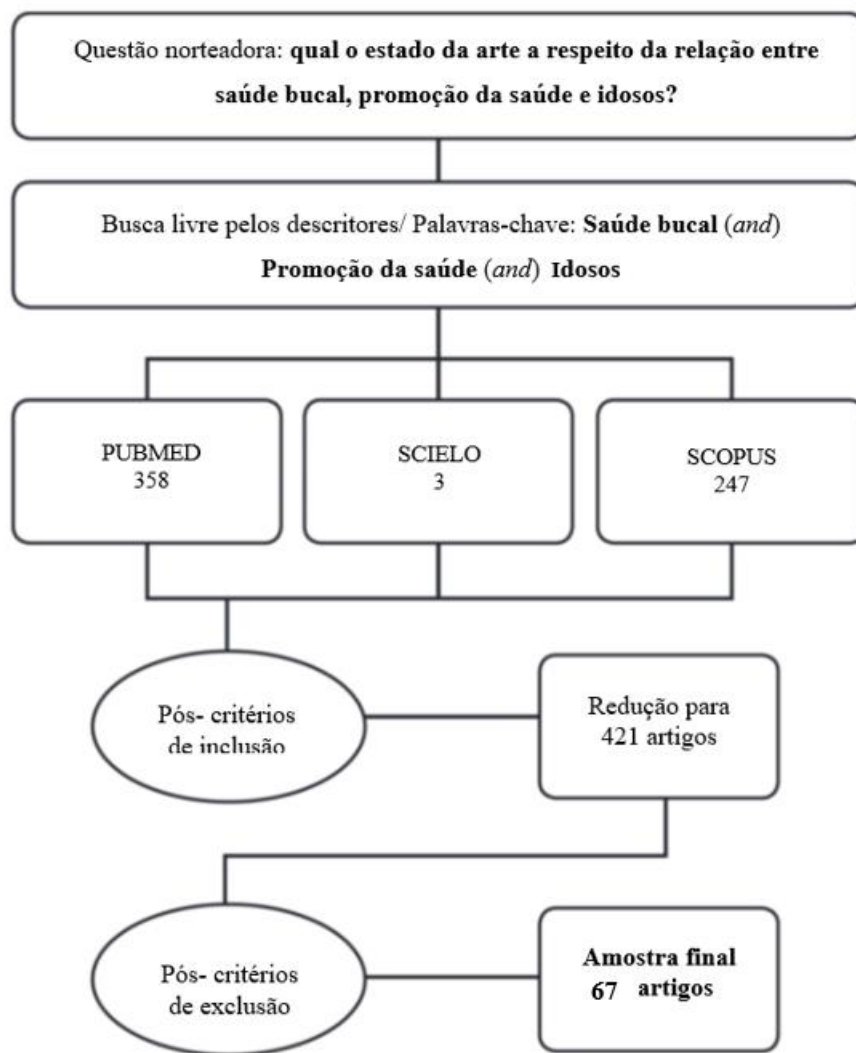
Para a etapa de triagem, foram designados como critérios de inclusão: publicações na íntegra, em português/espanhol/inglês, disponibilizadas gratuitamente, englobando pessoas com 60 anos ou mais. Foram excluídos do estudo artigos cujo público-alvo continha crianças, adolescentes e pessoas com menos de 60 anos e profissionais de saúde. Estabeleceu-se um limite quanto ao ano de publicação, nos últimos 5 anos, a fim de garantir dados recentes sobre o assunto.

A seguir, iniciou-se a etapa de elegibilidade e inclusão dos estudos, realizada pela autora. Para isto, utilizou-se um instrumento, elaborado com a finalidade de extrair e analisar os dados dos estudos selecionados para esta etapa, composto pelos seguintes itens: autor, ano de publicação, título do periódico, objetivo. Os resultados foram interpretados com base na literatura correlata ao tema do estudo.

Foi empregado o aplicativo Rayyan do Qatar Computing Research Institute (QCRI), desenvolvido para auxiliar pesquisadores no processo de seleção de revisões sistemáticas. Conduziu-se a seleção individualmente, acionando as opções de cegamento nos botões *Blind On* ou *Blind Off*.

Para a seleção dos textos completos, o controle foi realizado por planilha Excel gerada a partir do Rayyan. Na planilha constam dados de descrição dos artigos, controle de recuperação do texto completo e decisão na análise (inclusão ou exclusão), conforme a Figura 1.

Figura 1 - Diagrama do resultado da seleção dos artigos para a análise. Maringá/PR, Brasil, 2022.



Fonte: Autores.

Na identificação inicial da pesquisa, foram evidenciados 608 estudos, dos quais 358 estão indexados no Pubmed; três, na SciELO; e 247, no SCOPUS. No processo de triagem, excluíram-se 187 artigos após aplicar os critérios de inclusão e 421 prosseguiram para a fase de elegibilidade. No rastreamento dos estudos, após aplicar os critérios de exclusão, realizaram-se duas sucessivas avaliações em 67 publicações, que possuíam atributos relevantes para esta revisão, uma vez que atenderam à questão do estudo e aos critérios pré-estabelecidos, conforme o fluxograma de análise.

A Figura 2 demonstra a nuvem de palavras produzida a partir dos principais resultados dos estudos contemplados nesta revisão, destacando-se os seguintes vocábulos: função, idosos, qualidade, intervenção; o que irá proporcionar uma sustentação às categorias elencadas a partir da análise, as quais permitem identificar a ênfase de cada estudo analisado.

Figura 2 - Nuvem de palavras fornecida pelo *software* Rayyan, 2022.



Fonte: Autores.

3. Resultados

A distribuição temporal dos artigos teve como período os últimos 5 anos, e a média de publicações foi de 11 artigos, dentro da temática de promoção de saúde bucal em idosos. A Tabela 1 mostra que há uma concentração maior em 2018 e 2021.

Tabela 1 - Distribuição de frequência e percentagem dos anos de publicação dos artigos analisados. Maringá, 2022.

Variável	No.	%
Ano de publicação		
2017	10	14.93
2018	17	25.37
2019	9	13.43
2020	11	16.42
2021	15	22.39
2022	3	7.46

Fonte: o autor

Quanto aos periódicos, há uma prevalência maior de publicações na Gerontology, seguida pela revista *International Journal of Environmental Research and Public Health* e *Journal of the American Medical Directors Association*. É importante ressaltar que aproximadamente 47% das publicações sobre a promoção da saúde bucal em idosos estão concentradas em 10 principais revistas. Ainda, a grande maioria desses periódicos é especializada em odontologia, geriatria ou ambos (Tabela 2).

Tabela 2 – Distribuição de frequência e percentagem dos periódicos analisados. Maringá. 2002.

Variável	No.	%
Periódico		
Gerontology	9	13.43
International Journal of Environmental Research and Public Health	4	5.97
Journal of the American Medical Directors Association	4	5.97
Acta Odonatological Scandinavia	2	2.99
Geriatrics and Gerontology International	2	2.99
International Dental Journal	2	2.99
International Journal of Dental Hygiene	2	2.99
Journal of Clinical Periodontology	2	2.99
Journal of dental Hygiene: JDH	2	2.99
Journal of the American Geriatrics Society	2	2.99
Outros periódicos	36	53,73

Fonte: Autores.

A partir dos 67 artigos selecionados e incluídos nesta revisão, consta no Quadro 1 uma síntese dos estudos segundo autor, ano, título do artigo, título do periódico, objetivo.

Quadro 1 - Síntese dos estudos selecionados, segundo autor, ano, título do artigo, título do periódico, objetivo. Maringá/PR, Brasil, 2022.

Autor	Ano	Título do artigo	Título do periódico	Objetivo
Chang, E.J.; Woo, H.-J.; Jeong, K	2022	Mediating Effect of Cognitive Function on the Relationship between Geriatric Oral Health and Quality of Life among Korean Senior	Journal of Preventive Medicine and Public Health	Previous studies have found that the oral health of seniors can affect their physical nutrition and quality of life (QoL). Additionally, poor oral health can lead to the development of dementia, which is associated with decreased cognitive function. This study aimed to examine the impact of geriatric oral health (GOH) on the QoL of Korean seniors and the mediating effects of cognitive function
Schensul, J.J.; Salvi, A.; Ha, T.; Grady, J.; Li, J.; Reisine, S.	2022	Evaluating Cognitive/Emotional and Behavioral Mediators of Oral Health Outcomes in Vulnerable Older Adult	Journal of Applied Gerontology	This article evaluates the integrated model as a cognitive-behavioral approach to improve oral health clinical outcomes in ethnically diverse low-income older adults
R, Mikami; K, Mizutani; H, Shioyama; T,	2022	Influence of aging on periodontal regenerative therapy using enamel matrix derivative: A 3-year prospective cohort study.	Journal of Clinical Periodontology	To investigate the influence of chronological aging on periodontal regenerative therapy (PRT) outcomes with enamel matrix derivative (EMD).
R, Karawekpanyawong; K, Nohno; Y, Kubota; H, Ogawa	2022	Oral Health and Nutritional Intake in Community-Dwelling 90-Year-Old Japanese People: A Cross-Sectional Study.	Gerodontology	This study aimed to determine the relationship between dentition, mastication, salivation and nutritional intake in 90-year-old Japanese people.
E, Shmarina; D, Ericson; S, Åkerman; B, Axtelius	2022	Exploring salutogenic factors supporting oral health in the elderly.	Acta Odontologica Scandinavica	To explore associations between salutogenic factors and selected clinical outcome variables of oral health in the elderly, combining Antonovsky's salutogenic theory and the Lalonde Health Field concept.
Tsakos, G.; Brocklehurst, P.R.; Watson, S.	2021	Improving the oral health of older people in care homes (TOPIC): a protocol for a feasibility study	Pilot and Feasibility Studies	The aim of this study is to assess the feasibility of the intervention to inform a future larger scale definitive trial
Kenny, A.; Dickson-Swift, V.; Chan, C.K.Y.;	2021	Oral health interventions for older people in residential aged care facilities: A protocol for a realist systematic review	BMJ Open	The overall aims of this realist review are to: (A) explore and synthesise evidence on oral health interventions for older people in residential aged care facilities, (B) produce a causal theory on how contextual factors and mechanisms interact to produce outcomes, and (C) produce guidelines/policies to inform high-quality oral health interventions to improve older people's oral health in residential aged care facilities
Choi, E.; Jung, D.	2021	Factors influencing oral health-related quality of life in older adults in rural areas: Oral dryness and oral health knowledge and behavior	International Journal of Environmental Research and Public Health	This study aimed to identify the characteristics of oral health of older adults living at home in rural areas and investigate factors affecting oral health-related quality of life (OHRQoL), especially oral dryness and oral health knowledge and behavior.
Northridge, M.E.; Wu, Y.; Troxel,	2021	Acceptability of a community health worker intervention to improve the oral health of older Chinese Americans: A pilot study	Gerodontology	To evaluate the acceptability of a community health worker (CHW) intervention designed to improve the oral health of low-income, urban Chinese immigrant adults.

Shmarina, E.; Ericson, D.; Åkerman, S.; Axtelius, B.	2021	Salutogenic factors for oral health among older people: an integrative review connecting the theoretical frameworks of Antonovsky and Lalonde	Acta Odontologica Scandinavica	The aim of this integrative review was to describe salutogenic factors associated with oral health outcomes in older people, from the theoretical perspectives of Antonovsky and Lalonde.
Valentim, F.B.; Carneiro, V.C.; Gomes, P.D.C.; Rosetti, E.P. 2021	2021	The Importance of Integrated Healthcare in the Association Between Oral Health and Awareness of Periodontitis and Diabetes in Type 2 Diabetics	Oral Health and Preventive Dentistry	To assess the association of various factors including education level and oral health with type 2 diabetics' awareness of periodontitis and periodontitis/diabetes relationship, and to evaluate the importance of integrated healthcare in this association
M, Sasajima; A, Yoshihara; A, Odajima	2021	Effects of Oral Function Training and Oral Health Status on Physical Performance in Potentially Dependent Older Adults.	International Journal of Environmental Research and Public Health	This study aimed to evaluate the effects of an oral function training program and indicators of oral health status on improvements in physical performance induced by physical function training in dependent older adults.
M, Hirosaki; T, Ohira; K, Shirai; N, Kondo; J,	2021	Association between frequency of laughter and oral health among community-dwelling older adults: a population-based cross-sectional study in Japan.	Quality of life research: an international journal of quality-of-life aspects of treatment, care and rehabilitation	Oral health has been reported to have an impact on the activities of daily life such as chewing, eating, and laughing, while psychological factors such as depression and loneliness have been reported to affect oral health.
P, Khamrin; S, Boonyathee; S, Bootsikeaw;	2021	Factors Associated with Health Literacy, Self-Efficacy, Social Support, and Oral Health Care Behaviors Among Elderly in Northern Border Community Thailand.	Clinical interventions in aging	This research aimed to study oral health literacy, self-efficacy, social support, and demographic characteristic factors associated with the oral health care behaviors of elderly people living in the rural areas of northern Thailand.
CF, Tenani; MHR, De Checchi; IP, da Cunha;	2021	Factors associated with poor oral health-related quality of life among non-institutionalized Brazilian older adults: Oral health and quality of life in older adults.	Special care in dentistry: official publication of the American Association of Hospital Dentists, the Academy of Dentistry for the Handicapped, and the American Society for Geriatric Dentistry	To investigate the factors associated with poor oral health-related quality of life (OHRQoL) in a sample of Brazilian older adults
S, Chaleekrua; K, Janpol; P, Wattanapan	2021	Swallowing Problems among Community-Dwelling Elderly in Northeastern Thailand.	Journal of primary care & community health	Aging brings deterioration in many organs involving in swallowing, such as, oropharyngeal muscle weakness, decreased salivation, multiple teeth loss, decreased oral sensation, and delayed swallowing response.
T, Kusama; S, Kiuchi; N, Umehara; K, Kondo; K, Osaka; J, Aida	2021	The deterioration of oral function and orofacial appearance mediated the relationship between tooth loss and depression among community-dwelling older adults: A JAGES cohort study using causal mediation analysis.	Journal of affective disorders	This study examined the mediating effect of oral function and orofacial appearance in the relationship between tooth loss and depression.
K, Miyahara; T, Ogasawara; H,	2021	Pharyngeal Deposits Comprising Salivary Mucin in Tube-fed Elderly Patients: MUC2 and MUC7 Immunoreactivity.	Dysphagia	this study aimed to clarify the origin of viscous deposits on the pharyngeal mucosa based on characteristics of salivary and tracheal secretory mucin.
T, Kusama; N, Nakazawa; S, Kiuchi; K, Kondo; K, Osaka; J, Aida	2021	Dental prosthetic treatment reduced the risk of weight loss among older adults with tooth loss.	Journal of the American Geriatrics Society	Weight loss is a critical health issue in older adults. Oral function is essential for nutrient intake and can be restored using dental prosthetic treatments in patients with tooth loss.

T, Abe; K, Tominaga; Y, Ando; Y, Toyama;	2021	Number of teeth and masticatory function are associated with sarcopenia and diabetes mellitus status among community-dwelling older adults: A Shimane CoHRE study.	PloS one	We aimed to examine the number of teeth and masticatory function as oral health indices and clarify their roles in the pathogenesis of sarcopenia and diabetes mellitus in community-dwelling older adults.
Lee, K.H.; Lee, K.Y.; Choi, Y.Y.; Jung, E	2020	Effects of Professional Oral Health Care Programs for Elderly Residents of Nursing Facilities	Journal of dental hygiene: JDH	to investigate the effects of a professional oral health care program on the oral health status and salivary flow of elderly people living in nursing homes
Wong, F.M.F.	2020	Factors associated with knowledge, attitudes, and practices related to oral care among the elderly in hong kong community	International Journal of Environmental Research and Public Health	The oral health of elderly populations is a significant concern, as it is closely linked to general health and health-related quality of life.
Nomura, Y.; Kakuta, E.; Okada, A.; Otsuka, R.	2020	Impact of the serum level of albumin and self-assessed chewing ability on mortality, qol, and adls for community-dwelling older adults at the age of 85: A 15 year follow up study	Nutrients	To elucidate the complex structure of these important health-related factors.
Wu, S.-J.; Shieh, S.-H.; Lai, Y.-J.	2020	Effects of an Eating Ability Promotion Program for Community-Dwelling Older Adults	Journal of the American Medical Directors Association	Taiwan is projected to become a super-aged society in 2026
Moon, J.-H.; Heo, S.-J.; Jung, J.-H.	2020	Factors influencing self-rated oral health in elderly people residing in the community: Results from the korea community health survey, 2016	Osong Public Health and Research Perspectives	to examine the factors influencing perceived oral health in elderly individuals residing in the community
Seo, K.; Kim, H.-N.	2020	Effects of oral health programmes on xerostomia in community-dwelling elderly: A systematic review and meta-analysis	International Journal of Dental Hygiene	While common in the elderly, dry mouth can negatively affect their oral health and nutritional status.
R, Mariño; J, Enticott; C, Browning; M,	2020	Self-assessed impact of oral health on the psychological well-being and depressive symptoms of older adults living in Melbourne	Journal of public health dentistry	to investigate oral health-related factors affecting the self-assessed psychological well-being (PW) and depressive symptoms of independent-living Australians aged 79 years and over living in the community in metropolitan Melbourne.
CF, Tenani; MHR, De Checchi;	2020	Influence of oral health literacy on dissatisfaction with oral health among older people.	Gerodontology	To investigate the influence of oral health literacy (OHL) and associated factors on dissatisfaction with oral health (DOH) among older people.
Y, Kugimiya; Y, Watanabe; T, Ueda; K,	2020	Rate of oral frailty and oral hypofunction in rural community-dwelling older Japanese individuals.	Gerodontology	To clarify the rate of oral frailty and oral hypofunction in rural community-dwelling older adults in Japan.
Y, Shimazaki; T, Nonoyama; K, Tsushita;	2020	Oral hypofunction and its association with frailty in community-dwelling older people.	Geriatrics & gerontology international	This large epidemiological of older people examined oral hypofunction and the relationship between oral hypofunction and frailty.
Y, Inamochi; K, Fueki; Y, Matsuyama;	2020	Does oral dryness influence pressure pain sensitivity in the oral mucosa of removable denture wearers?	Clinical oral investigations	to determine if oral dryness is associated with oral pain sensitivity in removable denture wearers.

Wanichsaithong, P.; Goodwin, M.; Pretty, I.A.	2019	Development and pilot study of an oral health literacy tool for older adults	Journal of investigative and clinical dentistry	Oral health literacy is emerging as an important element in oral health promotion, but few studies have been conducted in older adult
Pan, M.-Y.; Hsieh, T.-C.; Chen, P.-H.; Chen, M.	2019	Factors associated with tooth loss in postmenopausal women: A community-based cross-sectional study	International Journal of Environmental Research and Public Health	to explore the of and factors associated with NRT less than 20 in PMW
de Almeida Mello, J.; Tran, T.D.;	2019	Cross-Country Validation of the Association Between Oral Health and General Health in Community-Dwelling Older Adults	Journal of the American Medical Directors Association	Oral health is known to be associated with general health, but longitudinal relationships between oral health and general health indicators have not yet been fully explored in international research.
Marchini, L.; Ettinger, R.; Caprio, T.; Jucan, A.	2019	Oral health care for patients with Alzheimer's disease: An update	Special Care in Dentistry	the authors provide an update on the most current concepts about Alzheimer's disease epidemiology, etiology, and management, current oral health care for patients with Alzheimer's disease, oral health promotion strategies for this population, as well as current research and future direction for improving oral health care for patients with Alzheimer's disease.
MacEntee, M.I.; Wong, S.T.; Chi, I.;	2019	Developmental regulation of lifelong dental experiences and beliefs in Guangzhou and Hong Kong	Gerodontology	to explain through the life-course and life-span perspectives of developmental regulation theory the controls on dental experiences and beliefs throughout the lives of older people in Guangzhou and Hong Kong.
Chen, M.-Y.	2019	Cost-Effective, Easy-to-Implement, but Still-Neglected Oral Hygiene	Hu li za zhi The journal of nursing	This column is from the perspective of prevention and health promotion.
A, Gawron-Skarbek; M, Kontarska-Krauz; B	2019	Salivary and plasma native and non-urate total antioxidant capacity versus oral health status in older non-smoking adults.	Archives of oral biology	The aim of this study was to evaluate the salivary C-reactive protein and native and non-urate total antioxidant capacity (TAC) of saliva and plasma in relation to various oral health status indexes in older non-smoking adults.
M, Saleem; N, Yoshinari; S, Nakamura;	2019	Improvement of salivary flow and oral wetness by a lip trainer device and sonic toothbrush in older Japanese men and women with dry mouth.	Journal of oral science	the aim of this study is to evaluate whether a lip trainer device and sonic toothbrush can improve salivary flow and oral wetness in older patients complaining of dry mouth.
T, Ikeda; T, Tsuboya; J, Aida; Y,	2019	Income and education are associated with transitions in health status among community-dwelling older people in Japan: the JAGES cohort study.	Family practice	to determine the association between the socio-economic status (SES) and changes across pre-frailty, frailty, disability and all-cause mortality.
Kossioni, A.E.; Hajto-Bryk, J.; Janssens, B.;	2018	Practical Guidelines for Physicians in Promoting Oral Health in Frail Older Adults	Journal of the American Medical Directors Association	The interview should be followed by an oral health assessment, using validated tools, for nondental health care providers.
Seleskog, B.; Lindqvist, L.; Wårdh, I.;	2018	Theoretical and hands-on guidance from dental hygienists promotes good oral health in elderly people living in nursing homes, a pilot study	International Journal of Dental Hygiene	Oral health in nursing homes for elderly is often unsatisfactory, and oral health education to nursing staff has not shown sufficient results why there is need for novel approaches.
Shim, Y.-S.; An, S.-Y.; Park, S.-Y.	2018	Affecting the community periodontal index of Korean elder	Indian Journal of Public Health Research and Development	This study was conducted to obtain basic data necessary for developing an oral health promotion program and improve the quality of life of senior citizens using elderly facilities

Li, X.-L.; Liu, M.-Y.; Cheng, L.; Zhu, H.-F.;	2018	Impact of oral health promotion project on periodontal condition and life quality of the elderly in long-term care institutions	Shanghai journal of stomatology	To assess the impact of oral health promotion project on periodontal condition and life quality of the elderly in long-term care institutions.
Watanabe, Y.; Arai, H.; Hirano, H.;	2018	Oral function as an indexing parameter for mild cognitive impairment in older adults	Geriatrics and Gerontology International	To investigate the association between mild cognitive impairment (MCI) and oral status, and to develop an oral-based screening index for MCI.
Kossioni, A.E.; Hajto-Bryk, J.; Maggi, S.;	2018	An Expert Opinion from the European College of Gerodontology and the European Geriatric Medicine Society: European Policy Recommendations on Oral Health in Older Adults	Journal of the American Geriatrics Society	This is an expert opinion paper on oral health policy recommendations for older adults in Europe, with particular focus on frail and care-dependent persons, that the European College of Gerodontology (ECG) and the European Geriatric Medicine Society (EUGMS) Task and Finish Group on Gerodontology has developed.
McAnulla, A.; Reid, B.; Zieba, M.	2018	Developing an integrated resource to promote oral health in nursing homes	Nursing Older People	This article discusses a project undertaken by a team of preregistration nursing students to plan and develop an integrated oral health promotion resource for older people in nursing homes.
Petersen, P.E.; Ogawa, H.	2018	Promoting oral health and quality of life of older people - The need for public health action	Oral Health and Preventive Dentistry	This report intends to review the global burden of oral disease among older people and to examine their oral health needs.
TM, Kabali; EG, Mumghamba	2018	Knowledge of Periodontal Diseases, Oral Hygiene Practices, and Self-Reported Periodontal Problems among Pregnant Women and Postnatal Mothers Attending Reproductive and Child Health Clinics in Rural Zambia	International journal of dentistry	To determine the level of knowledge of periodontal diseases, practices regarding oral hygiene, and self-perceived periodontal problems among pregnant and postnatal women attending reproductive and child health clinics in rural districts of Zambia.
L, Hanindriyo; A, Yoshihara; T, Takiguchi; H, Miyazaki	2018	Chronic Intra Oral Pain and Depressive Symptoms in Japanese Community-Dwelling Elderly: A Longitudinal Study.	Community dental health	The incidence of major depressive disorder in the elderly ranges from 0.2 to 14.1/100 person-years, and the incidence of clinically relevant depressive symptoms is 6.8/100 person-years.
M, Iwasaki; WS, Borgnakke; A,	2018	Hyposalivation and 10-year all-cause mortality in an elderly Japanese population.	Gerodontology	To evaluate the association of salivary flow rate with all-cause mortality among older Japanese adults.
S, Koyama; J, Aida; N, Cable; T, Tsuboya; Y,	2018	Sleep duration and remaining teeth among older people.	Sleep medicine	No studies have examined the associations between the numbers of teeth and sleep disturbance. Therefore, we examined the associations between the number of teeth and sleep duration in older people, considering the evidence linking fewer teeth and sleep apnea through changes in jaw position
K, Ikebe; Y, Gondo; K, Kamide; Y, Masui; T,	2018	Occlusal force is correlated with cognitive function directly as well as indirectly via food intake in community-dwelling older Japanese: From the SONIC study.	PloS one	we examined the association between occlusal force and cognitive function in a large sample of older adults, controlling for dietary intake, vascular risk factors, inflammatory biomarkers, depression, and genetic factors.
Y, Hayashi; G, Taylor; A, Yoshihara; M, Iwasaki;	2018	Relationship between autoantibody associated with rheumatoid arthritis and tooth loss.	Gerodontology	This study evaluated the relationship between serum Rheumatoid Factor (RF) levels and tooth loss in a community-dwelling elderly Japanese women.

M, Sato; M, Sugimoto; Y, Yamamoto; J,	2018	Effect of oral functional training on immunological abilities of older people: a case control study	BMC oral health	we evaluated the effect of oral exercise as an alternative training method for highly older people who cannot perform whole-body exercises.
K, Mehr; M, Olszanecka-Glinianowicz; J,	2018	Dental status in the Polish senior population and its correlates-Results of the national survey PolSenior.	Gerodontology	to assess dental status of Polish seniors having and wearing dentures in relation to demographic, socioeconomic and lifestyle factors
M, Iwasaki; A, Yoshihara; N,	2018	A 5-year longitudinal study of association of maximum bite force with development of frailty in community-dwelling older adults.	Journal of oral rehabilitation	To determine whether maximum bite force (MBF), an objective measure of oral function, is associated with development of frailty in community-dwelling older adults.
Wright, F.A.C.; Law, G.; Chu, S.K.-Y.; Cullen, J.S.; Le Couteur, D.G.	2017	Residential age care and domiciliary oral health services: Reach-OHT—The development of a metropolitan oral health programme in Sydney, Australia	Gerodontology	To describe an oral health care programme for older people in Residential Aged Care Facilities (RACFs) to improve access to care and support facilities.
Rocha, T.A.H.; Thomaz, E.B.A.F.; da Silva, N.C.	2017	Oral primary care: An analysis of its impact on the incidence and mortality rates of oral cancer	BMC Cancer	to analyze the effect of PHC structure and work processes on the incidence and mortality rates of oral cancer after adjusting for contextual variables.
Martin, J.L.; Boyd, L.D.; Tapias-Perdigón, H.; LaSpina, L.M.	2017	Oral Health Status of Independent Older Adults in Texas: An observational study comparing urban and rural areas	Journal of dental hygiene: JDH	to assess the oral health needs of community-dwelling older adults participating in congregate meal centers and to determine whether differences exist in the oral health needs of older adult populations residing in urban versus rural communities in the state of Texas.
Miyazaki, H.; Jones, J.A.; Beltrán-Aguilar, E.D. 2017	2017	Surveillance and monitoring of oral health in elderly people	International Dental Journal	The assessment of risk factors such as tobacco use, alcohol consumption or dietary habits (e.g., sugar intake) is also important for oral disease prevention
Steel, B.J.	2017	Oral hygiene and mouth care for older people in acute hospitals: Part 1	Nursing Older People	This two-part article explores oral hygiene and mouth care provision for older adults in acute hospitals.
Ghezzi, E.M.; Kobayashi, K.; Park, D.-Y.; Srisilapanan, P.	2017	Oral healthcare systems for an ageing population: concepts and challenges	International Dental Journal	The complexity of these OHCS functions for the ageing are described utilizing the spectrum of dependency of the Seattle Care Pathway framework.
Tomata, Y.; Watanabe, T.; Sugiyama, K.; Zhang, S.; Sugawara, Y.; Tsuji, I	2017	Effects of a Community-Based Program for Oral Health and Nutrition on Cost-Effectiveness by Preventing Disability in Japanese Frail Elderly: A Quasi-Experimental Study Using Propensity Score Matching	Journal of the American Medical Directors Association	In the Japanese Long-Term Care Insurance (LTCI) system, a community-based program for oral health and nutrition (OHN program) has been implemented with the aim of reducing incident disability and care costs.
Castrejón-Pérez, R.C.; Borges-Yáñez, S.A.;	2017	Negative impact of oral health conditions on oral health related quality of life of community dwelling elders in Mexico City, a population-based study	Geriatrics and Gerontology International	Oral health in old persons is frequently poor; non-functional prostheses are common and negatively affect quality of life.

Tonetti, M.S.; Bottenberg, P.; Conrads, G.; Eickholz,	2017	Dental caries and periodontal diseases in the ageing population: call to action to protect and enhance oral health and well-being as an essential component of healthy ageing – Consensus report of group 4 of the joint EFP/ORCA workshop on the boundaries bet	Journal of Clinical Periodontology	this workshop was to critically review scientific evidence and develop specific recommendations to: (i) prevent tooth loss and retain oral function through prevention and treatment of caries and periodontal diseases later in life and (ii) increase awareness of the health benefits of oral health as an essential component of healthy ageing.
Adebayo, B.; Durey, A.; Slack-Smith, L.M.	2017	Role of information and communication technology in promoting oral health at residential aged care facilities	Australian Journal of Primary Health	This paper aims to: (1) review literature on ICT targeted at residents, staff and external providers in RACFs including general practitioners, dental and allied health professionals on improving residents' oral health; (2) identify barriers and enablers to using ICT in promoting oral health at RACFs; and (3) investigate evidence of effectiveness of these approaches in promoting oral health.

Fonte: Autores.

4. Discussão

Os resultados desta revisão mostram a grande necessidade de pesquisa nesta área de conhecimento tão importante, que engloba a promoção da saúde bucal em idosos. Com o processo de envelhecimento, há alterações funcionais e psicológicas que repercutem na saúde geral e bucal. Esse cenário vai-se agravando com o tempo, o que torna o tratamento mais complexo.

A necessidade cada vez maior de tratamento bucal da população idosa vem sendo um grande desafio à odontologia, conforme apresentado na maioria dos estudos. Em relação às práticas de cuidado em saúde bucal para idosos, observou-se que grande parte das publicações gira em torno das necessidades do idoso, da autopercepção de saúde bucal, como também da noção de conhecimento em relação a tais práticas (Chang et al., 2022; Minaki et al., 2022; Schensul et al., 2022; Tsakos et al., 2021; Choi et al., 2021; Kenny et al., 2021; Tenaqui et al., 2020; Wong et al., 2020; Lee et al., 2020; Nokura et al., 2020; Valentin et al., 2019; Li et al., 2019; Seo et al., 2019; Li et al., 2018; Castrejon – Perez et al., 2017).

Alguns artigos defendem que, devido ao estado de saúde de alguns idosos, é necessária a atenção à saúde bucal especializada, ou seja, aquela realizada por profissional odontogeriatra. (Karawekpanyawon, et al., 2022; Northridge et al., 2021; Tenani, et al., 2020; Schimazzaki et al., 2020; Iwasaki et al., 2018; Watanabe et al., 2018; Wright et al., 2017; Castrejón-Perez et al., 2017). Essa condição é ocasionada, geralmente, por doença e falta de acesso a serviços odontológicos. As pessoas idosas dependentes, muitas vezes, sofrem de problemas que complicam seus cuidados bucais, tendo impacto significativo na saúde geral e efeito negativo sobre a qualidade de vida. (Choi et al., 2021; Lee et al., 2020). Pessoas idosas dependentes apresentam limitações e precisam de assistência de outros na realização de atividades diárias que causam debilidades crônicas e vão se apresentar como barreiras ao tratamento odontológico, levando também à não cooperação do idoso com o cuidado (Kenny et al., 2021; Northridge et al., 2021; Wong et al., 2020; Nomura et al., 2020; Wee et al., 2020; Seo et al., 2019). Dentre esses idosos, muitos ainda possuem dentes e suas necessidades requerem que o prestador de cuidados seja capacitado. Entretanto, pode haver falta de material de higiene, de tempo e conhecimento.

Autores também chamam a atenção para a necessidade de se estruturar uma equipe multidisciplinar qualificada na busca de melhorar a qualidade de vida do idoso por ela assistido. A educação dos cuidadores em saúde bucal precisa ser melhorada, sendo que muitos destes consideram que os cuidados em saúde bucal são uma tarefa desagradável. Assim, é fundamental que, além do idoso, o cuidador familiar de idosos receba orientação, para que saiba como proceder em situações difíceis, como também é importante receber visitas de profissionais que supervisionem e os capacitem (Abe et al., 2021; Tenne et al., 2020; Stell et al., 2017; Ghezzi et al., 2017; Martin et al., 2017).

5. Conclusão

Espera-se que os achados deste estudo possam favorecer os profissionais de saúde, no intuito de compreender a importância da promoção da saúde bucal em idosos, favorecendo o direcionamento da assistência. Como estudos futuros, sugere-se a busca por evidências científicas sobre promoção da saúde bucal de idosos sob a perspectiva dos profissionais de saúde e de cuidadores informais.

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