Impact of Social Media on Oral Health: A Narrative Review

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Abstract

This narrative review delves into the impact of social media on oral health, examining its influence on awareness and education, the associated challenges and risks, strategies to mitigate negative impacts, and future opportunities. Understanding the multifaceted impact of social media on oral health is crucial for developing effective approaches to leverage its potential and address its pitfalls.

1. INTRODUCTION

One of the most underserved domains of healthcare is dental care. The most common dental ailments like dental caries, including periodontal disorders, are the main causes of visits to a dental office.Oral health has strong biological, psychological and social projections; because it affects our aesthetics and communication, and the quality of life is affiliated with oral health status.The physical, mental, and emotional health of the patient has an impact on how satisfied they are withtheir dental careIn recent years, the proliferation of social media platforms has significantly transformed various aspects of daily life, including communication, entertainment, and the dissemination of information. With the increasing integration of social media into society, its impact on public health, including oral health, has become a subject of growing interest and concern. This narrative review aims to explore the multifaceted influence of social media on oral health, examining its role in raising awareness, disseminating education, as well as the challenges and risks it presents. Additionally, this review will explore strategies to mitigate negative impacts and harness the potential of social media to promote oral health. By delving into these aspects, we can gain a comprehensive understanding of the ways in which social media shapes perceptions, behaviors, and attitudes towards oral health.[1-4]

2. SOCIAL MEDIA AND YOUTH GENERATION

Social media has a significant impact on youth today. It has the power to connect, educate, and inspire, but it also presents challenges such as cyberbullying, unrealistic standards, and addiction. The constant exposure to curated images and lifestyles can affect young people's self-esteem and mental health. On the other hand, social media enables them to express their creativity, stay informed about global issues, and build communities. It's crucial for parents, educators, and policymakers to guide young people in using social media responsibly, understanding its potential risks and benefits. Teaching digital literacy, promoting positive online behavior, and creating open dialogues about social media usage are essential for supporting youth in navigating the digital world. Additionally, fostering a balance between online and offline activities can help mitigate the negative effects of excessive social media use on youth.[1,5]

3. INFLUENCE OF SOCIAL MEDIA ON ORAL HEALTH AWARENESS AND EDUCATION

3.1. Social media platforms, such as Instagram, Facebook, Twitter, and YouTube, have fostered a virtual space where oral health professionals, organizations, and advocates can effectively communicate with diverse audiences. Through

engaging visuals, informative posts, and interactive content, social media has facilitated the dissemination of accurate oral health information, thereby raising awareness and promoting positive oral health practices. Influencers and professionals harness the power of social media to debunk myths, address common concerns, and encourage healthy oral hygiene habits, making oral health information accessible to a wider demographic. As a result, social media has effectively contributed to improving oral health awareness and education, enabling individuals to make informed decisions regarding their oral health.[6,7]

4.CHALLENGES AND RISKS ASSOCIATED WITH SOCIAL MEDIA'S IMPACT ON ORAL HEALTH[1,8,9]

4.1. Misinformation: Social media platforms are susceptible to the propagation of inaccurate or misleading information about oral health, leading to confusion and potentially harmful practices among users.

4.2. Sensationalized Content: Emphasis on sensationalized or exaggerated content may overshadow accurate and evidence-based oral health information, influencing public perceptions and behaviors.

4.3. Endorsement of Harmful Practices: Certain viral trends or do-it-yourself remedies promoted through social media may advocate practices that are detrimental to oral health, thereby posing risks to individuals' oral well-being.

4.4. Cyberbullying: Online platforms create opportunities for cyberbullying and negative social interactions, potentially impacting individuals' mental well-being and, consequently, their oral health behaviors.

4.5. Unrealistic Beauty Standards: Pervasive beauty standards on social media can affect individuals' self-esteem, potentially leading to oral health-related issues such as body image concerns and unhealthy oral hygiene practices.

4.6. Lack of Regulation: The absence of stringent regulations governing health-related content on social media may result in the unchecked dissemination of inaccurate information and misleading practices.

4.7. Influence of Paid Promotions: Paid endorsements and sponsorships on social media may obscure authentic health messaging, potentially impacting the credibility of oral health information and recommendations.

5. STRATEGIES TO MITIGATE NEGATIVE IMPACTS AND HARNESS THE POTENTIAL OF SOCIAL MEDIA[9-11]

5.1. Collaborative Partnerships: Establishing partnerships between oral health professionals, public health authorities, and social media platforms to develop

and promote evidence-based content, thereby enhancing the credibility and accuracy of oral health information.

5.2. Fact-Checking Initiatives: Implementing fact-checking mechanisms to identify and counter misleading or false oral health-related content, safeguarding the public from inaccurate information.

5.3. Ethical Guidelines: Introducing ethical guidelines for oral health promotion on social media platforms, delineating appropriate practices for influencers and professionals to maintain the integrity of health messaging.

5.4. Utilization of Analytics: Using social media analytics and data insights to understand audience engagement, demographics, and preferences to tailor oral health messages effectively, maximizing their impact and reach.

5.5. Partnership with Influencers: Collaborating with influencers and content creators who prioritize evidence-based health information to amplify credible oral health messaging and reach wider audiences.

6. FUTURE OPPORTUNITIES AND RECOMMENDATIONS

The ever-evolving landscape of social media presents promising opportunities to advance oral health initiatives, including:[1,3,8]

6.1. Augmented Reality and Interactive Education: Leveraging augmented reality filters and interactive educational modules to enhance user engagement and facilitate immersive learning experiences, thereby promoting sustained oral health education.

6.2. Collaborative Campaigns: Engaging in collaborative campaigns involving social media influencers and oral health professionals to amplify credible health messaging and reach untapped audience segments across diverse social media platforms.

6.3. User-Generated Content: Encouraging user-generated content to foster a supportive online community centered around oral health advocacy, information sharing, and peer support among individuals.

7. CONCLUSION

In conclusion, the influence of social media on oral health is undeniably significant, offering avenues for raising awareness and disseminating educational content. However, it also brings forth substantial challenges and risks, including misinformation, sensationalized content, and the endorsement of harmful practices. By employing strategies to mitigate these negative impacts and embracing future opportunities, such as interactive education and user-generated content, the potential of social media as a force for positive oral health outcomes can be harnessed. Through proactive efforts, including collaborative partnerships, fact-

checking mechanisms, and ethical guidelines, we can cultivate a responsible online environment conducive to promoting optimal oral health practices and behaviors.

8. REFERENCES

1. Sharma S, Mohanty V, Balappanavar AY, Chahar P, Rijhwani K. Role of Digital Media in Promoting Oral Health: A Systematic Review. Cureus. 2022 Sep 7;14(9):e28893. doi: 10.7759/cureus.28893.

2. Tiwari A, Ghosh A, Agrawal PK, Reddy A, Singla D, Mehta DN, Girdhar G, Paiwal K. Artificial intelligence in oral health surveillance among under-served communities. Bioinformation. 2023 Dec 31;19(13):1329-1335. doi: 10.6026/973206300191329

3. Sharma A, Sarvaiya B, Gumber P, Rastogi K, ChitlangiaP, Mehta D. Dentofacial Changes, Oral Health Status and Treatment Needs of Disabled Children in Udaipur City, Rajasthan. Res Adv Dent 2019;9:3s:106-114

4. Baidya SK, Soni S, Bhonsle K, Kadam KR, Dani G, Mehta DN. Impact of Complete Denture Rehabilitation on Oral Health-related Quality of Life in Completely Edentulous Patients. BioGecko-A Journal for New Zealand Herpetology 2023:12(3); 1337-1344.https://biogecko.co.nz/admin/uploads/ohrqol%20in%20complete%20denture-2%20bicheck%20wos.pdf.

5. Farrokhi F, Ghorbani Z, Farrokhi F, Namdari M, Salavatian S. Social media as a tool for oral health promotion: A systematic review. PLoS One. 2023 Dec 19;18(12):e0296102. doi: 10.1371/journal.pone.0296102.

6. Sivrikaya EC, Yilmaz O, Sivrikaya P. Dentist-patient communication on dental anxiety using the social media: A randomized controlled trial. *Scand J Psychol*. 2021;62(6):780-786. doi:10.1111/sjop.12769

7. Taneja, Pratibha; Mahapatra, Soumya; Marya, Charu Mohan; Nagpal, Ruchi; Kataria, Sakshi. Impact of Social Media on Dental Treatment Choices: A Web-Based Survey. Journal of Indian Association of Public Health Dentistry 20(4):p 415-419, Oct–Dec 2022. | DOI: 10.4103/jiaphd.jiaphd_194_21

8. Moorhead SA, Hazlett DE, Harrison L, Carroll JK, Irwin A, Hoving C. A new dimension of health care: Systematic review of the uses, benefits, and limitations of social media for health communication J Med Internet Res. 2013;15:e85

9. Al Awdah AS, Ali BB, Al Twaim S, Al Habdan AA. The power of social media on Esthetic dental treatment choices in Arabian Gulf Region Int J Dent Oral Health. 2018:5.

10. Neiger BL, Thackeray R, Van Wagenen SA, Hanson CL, West JH, Barnes MD, et al Use of social media in health promotion: Purposes, key performance indicators, and evaluation metrics Health PromotPract. 2012;13:159–64

11. Brownstein CA, Brownstein JS, Williams DS 3rd, Wicks P, Heywood JA. The power of social networking in medicine Nat Biotechnol. 2009;27:888–90