



Defense Health Agency (DHA) Clinical Communities Speaker Series

SEPT 2023 CCSS: Innovation-Based Updates in Modern Health Care Practice

S05: Leveraging Clinical Care Pathways and Technology to Move Beyond Facial Reconstruction to Facial Restoration

Resource List

“Dentistry — Overview of Artificial and Augmented Intelligence Uses in Dentistry” is a White Paper created by the [American Dental Association \(ADA, 2022\)](#) introducing the use of Artificial Intelligence (AI) and Augmented Intelligence (Aul) in clinical disciplines including prevention, caries and periodontal disease, implants, oral and maxillofacial surgery, endodontics, prosthetics, dento-maxillofacial imaging, orthodontics, temporomandibular joint disorder, and sleep disorders. Promising developments in tele-dentistry, electronic dental records, dental laboratory uses and scanning are also included.

The mission of the [International Association of Oral and Maxillofacial Surgeons \(IAOMS, 2023\)](#) is to improve the quality and safety of health care worldwide through the advancement of patient care, education and research in oral and maxillofacial (OMF) surgery. The IAOMS Foundation provides educational and training opportunities for OMF surgeons worldwide. IAOMS offers educational and networking benefits as well as the opportunity to learn from an IAOMS Foundation Fellowship experience and through our member network. Return to this organization website to review the most evidence-based practice information and the state of the science for maxillofacial surgeons.

According to the World Health Organization (WHO), “oral health contributes to overall health, well-being, and confidence and is essential to a person’s general health status.” Yet oral health continues to be marginalized throughout the practice of health care, beginning with the way that providers are educated. The workshop entitled, “Sharing and Exchanging Ideas and Global Experiences on Community-Engaged Approaches to Oral Health” was designed by a planning committee of experts organized by the [National Academies of Science, Engineering and Medicine \(NASEM, 2022\)](#). The intent of this workshop was to share ideas and experiences on public health approaches to oral health for interprofessional and transdisciplinary learning involving educators, health professionals, and community members.

When oral health is compromised by disease or injury, general health is also affected. The pain and discomfort associated with oral diseases make concentrating difficult, cause people to miss school or work, and can lead to social isolation. Oral diseases have a severe social and economic impact on individuals and families by increasing household expenditures and seriously affecting people’s quality of life and well-being. The [World Health Organization Oral Health Program \(WHO, 2023\)](#) leads the work on setting the global oral health policy agenda in close collaboration with member states and other key stakeholders. Recent momentum has led to the development of key policy documents to support countries in moving towards universal health coverage for oral health by 2030. Review this resource to increase your awareness of the global health initiatives in support of oral health.



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References

- American Dental Association. (2022). Dentistry — Overview of artificial and augmented Intelligence uses in dentistry. ADA SCDI White Paper No. 1106 https://www.ada.org/-/media/project/adaorganization/ada/adaorg/files/resources/practice/dentalstandards/ada_1106_2022.pdf?rev=6597958fb295462492935589971e27c3
- International Association of Oral and Maxillofacial Surgeons (IAOMS). (2023). <https://www.iaoms.org/about-us/mission/>
- National Academies of Sciences, Engineering, and Medicine. (2023). Sharing and exchanging ideas and experiences on community-engaged approaches to oral health: Proceedings of a workshop. Washington, DC: The National Academies Press, <https://doi.org/10.17226/2710>
- World Health Organization (WHO) (2023). *Oral health*. https://www.who.int/health-topics/oral-health#tab=tab_3