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- biological sciences;
- physical and mathematical sciences;
- other professional sciences.

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DENTAL HEALTH OF INHABITANTS OF FRONTLINE TERRITORIES**Manukhina O.M.**Doctor of Medicine, Associate Professor
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The World Federation of Dentists (FDI) emphasizes that dental caries and diseases of the oral cavity remain the most common diseases worldwide - 98% of the world's population suffer from them. Dental care is one of the most required types of medical care for the population. According to the number of appeals, it took second place after the number of appeals to general practitioners. In the age group over 35 years of age, problems related to diseases of the teeth and oral cavity came first, and the need for orthopedic treatment reached 60-100%. The dental health of the population of Ukraine had a steady tendency to deteriorate even before the beginning of the full-scale invasion [1, p.72].

According to the data of the European Regional Office of the WHO, the supply of dentists in the countries of the European Union was - 6.8 (2014). In Ukraine, this indicator was equal to 5.78, taking into account dentists of institutions of all forms of ownership and subordination (calculation was carried out based on population data of the State Statistics Service of Ukraine as of January 1, 2020) [2, p.7, 3, p.86].

Due to the proven close connection between oral health and general somatic health, recently the role of the dentist in the prevention of many general somatic diseases is gaining significance and becoming important in the world. In many countries, programs of primary prevention of non-infectious diseases and other most common pathological conditions of a person have been adopted, where the role of the dentist in the prevention of these diseases is clearly defined [4, 5, p.423].

Dentistry was not included in the list of services provided at the primary level of medical care in Ukraine and remained without financial support from the state. Patients have to pay for dental services themselves, including diagnosis, treatment, consumables and filling materials, as a result of which the availability of dental care has significantly decreased for socially vulnerable segments of the population. The situation in rural areas is almost critical. Therefore, dental care in Ukraine actually remained only at the secondary and tertiary levels, which not only reduces the population's access to dental services, but also causes the lack of control over dental health, late patient requests for medical care and the increase in dental morbidity, as well as diseases and pathological conditions associated with diseases of the oral cavity [6, p.112; 7, p. 20; 8, p. 36].

During the martial law, the situation worsened - the number of dental institutions decreased, including as a result of destruction during hostilities, the personnel potential of the dental service decreased, and the financial capacity of the population suffered. At the same time, a state of anxiety and chronic stress contribute to a decrease in the resistance of the body and contribute to the exacerbation of chronic diseases and the increase in the incidence of caries and its complications, as well as periodontal disease.

According to the municipal dental institution of the city of Zaporizhzhia, in 2023 the ratio of applications for therapeutic and surgical dental care is 2:1, more than 25% of patients applied for urgent therapeutic dental care, the ratio of caries treatment to complicated caries is 1.3. Given the almost 100% prevalence of periodontal disease among the population over 35 years of age, only 4% of patients were treated for this pathology. An annual preventive dental examination is not mandatory, and the number of applications for such examinations was not recorded. Only 15.6% of the people who sought dental care were treated.

Preservation of dental health in the population of Ukraine is an important component of the health care system. Improvement of the situation is possible if the positions of dentists are returned

to the primary level of care, as well as, in conditions of limited resources, the development and implementation of programs for screening and prevention of dental diseases.

References:

1. Мазур І.П., Вахненко О.М. Сторіччя української стоматології: здобутки та сучасні виклики. Українські медичні вісті. 2020;84(1):70-6.
2. Богату С.І. Соціальне підприємництво в стоматологічній галузі: досвід зарубіжних країн / С.І.Богату// Публічне управління і адміністрування в Україні. - 2021. - No 24. - 7-15.
3. Кризина Н.П. Державне регулювання надання стоматологічної Допомоги в Україні / Н.П. Кризина, О.П. Кризина // Наукові перспективи No 3(33) 2023 с. 85-98.
4. Political declaration of the third high-level meeting of the General Assembly on the prevention and control of noncommunicable diseases. World Health Organization. EXECUTIVE BOARD 150th session. 11 January 2022.
5. Богату С.І. організація надання стоматологічної допомоги: досвід України та країн ЄС / С.І.Богату// Наукові перспективи. –2021. –No 11(17). - С. 421-445.
6. Литвинова Л.О., Донік О.М., Артемчук Л.І. Організація стоматологічної допомоги. Український стоматологічний альманах. 2020;2:109-14.
7. Єленський В.Ю. 2022. Медико-соціальний підтримка стоматологічної допомоги у контексті сучасних викликів. Клінічна та профілактична медицина. 2022;4:19–24. DOI: [https://doi.org/10.31612/2616-4868.4\(22\).2022.03](https://doi.org/10.31612/2616-4868.4(22).2022.03).
8. Рубан О.І., Яценко Ю.Б. Наукове обґрунтування функціональної моделі профілактики стоматологічних захворювань серед дорослого населення Український стоматологічний альманах. 2023; 2:35-41.

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