



**Харківський національний медичний університет  
ГО «Всеукраїнська Асоціація інфекціоністів»  
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## **МЕЧНИКОВСЬКІ ЧИТАННЯ – 2023**

**Матеріали науково-практичної конференції  
з міжнародною участю  
(3 листопада 2023 року, м. Харків)**

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## MODELING SOCIAL ATTITUDES TOWARD COVID-19 VACCINATION IN UKRAINE

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Vaccination is the most effective mean of combating the COVID-19 pandemic, but 38.24% of the Ukrainian population is vaccinated only i.e. the latest vaccination rate in Europe. The aim of the research is to recognize groups with vaccination attitude for solid modelling foundation.

**Materials and methods.** We used simulating dynamics of community attitudes to vaccination for determining process trends and corresponding correcting impacts, and approach to study the dynamics of public opinion of a social group members with a similar attitude to vaccination as a model agent. The sociological study carried out in the Kharkiv region (Ukraine) among plasma donors. The choice of the group is caused by members are usually young and potentially active people i.e. they may impact societal attitudes toward vaccination. The research directs to studying attitudes toward vaccination based on four criteria: safety; obligatory; effectiveness; non-alternativeness to vaccinations. The sample was of the 437 plasma donors (36% female, 64% male; 58% aged 18-24 years old, 27% 25-39 aged years old and 15% more than 40 years old). The data was obtained by face-to-face interviews and handled by cluster analysis.

**Results.** Three main clusters reflecting the vaccination attitude were found out: ‘sceptics’ (42%), ‘conformists’ (31%), and ‘loyalists’(27%). The ideas of plasma donors about the effectiveness and prospects of combating the pandemic are predominantly rational, focused on scientific and medical discourse, and those from plasma donors who have completed secondary or higher education, as well as are guided by the opinion of medical professionals and WHO representatives and believe a large-scale an information campaign is a hypothetically convincing tool for promoting vaccination, are the most optimistic in assessing the readiness of their

environment to be vaccinated, and have the greatest potential for information promotion of mass vaccination and other anti-pandemic control measures.

**Conclusions.** Modeling social attitudes towards vaccination makes it possible to select the most influential groups of the population that can effectively inspire all members of the community to achieve the most active protective measures to prevent emergent and other dangerous infections.

*Kolesnyk Ya.V., Olkhovska O.M., Sliepchenko M.Yu.*

**CLINICAL MANIFESTATIONS OF INFECTIOUS  
MONONUCLEOSIS IN CHILDREN DEPENDING ON THE  
VARIANTS OF THE COURSE**

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**Introduction:** Infectious mononucleosis (IM) is a widespread disease of childhood. Difficulties in treating patients, the formation in some cases of unfavorable course and outcomes determine the medical and social significance of this pathology.

The available literature covers quite clearly the issues of etiology, pathogenesis, and clinical manifestations of the disease. However, in our opinion, a small number of studies have been devoted to the issues of early diagnosis of unfavorable variants of the course and outcomes of IM, the results of which are extremely contradictory. Meanwhile, a number of scientists have established that in 2-10% of cases this disease can occur in waves, over a long period of time, forming residual effects and pathology, which in subsequent stages of the child's life can threaten his life.

The **purpose of the study:** identification of clinical features of the debut of infectious mononucleosis Epstein-Barr viral etiology with an unfavorable course based on a comparative analysis of clinical manifestations in children with acute and protracted course.

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