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# INCIDENCE OF COVID-19 AFTER VACCINATION. ANALYSIS OF PUBLICLY AVAILABLE DATA

## ЗАБОЛЕВАЕМОСТЬ COVID-19 ПОСЛЕ ВАКЦИНАЦИИ. АНАЛИЗ ОБЩЕДОСТУПНЫХ ДАННЫХ

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### **Abstract**

The coronavirus began in late 2019 in China's Hubei province. Since then, it has spread around the world. In the world, according to official data, more than 100 million people have become infected, more than 3 million have died from the coronavirus.

On 18.03.2020, the first coronavirus vaccine trials began. Currently, 5 vaccines are used for vaccination: Pfizer, Moderna, AstraZeneca, Johnson and Johnson and Sputnik-V. No vaccine against COVID-19 protects a person 100% from the incidence of coronavirus. Average mortality rate as of 19.04.2021. 1. Pfizer-39,4; 2. Moderna-20,2; 3. AstraZeneca-12,8; 4. Johnson and Johnson-7,5; 5. Sputnik V-2,0. Pfizer and Moderna vaccines cause a risk of cardiovascular disease (myocarditis and pericarditis), thrombosis, bleeding and embolism.

Key words: coronaviruses, vaccines, number of vaccinated, coronavirus deaths, complications after vaccination.

### Резюме

Коронавирус начался в конце 2019 года в китайской провинции Хубей. С тех пор он распространился по всему миру. В мире, по официальным данным, заразилось более 100 миллионов человек, более 3 миллионов умерли от коронавируса. 18.03.2020 г. начались первые испытания вакцины против коронавируса.

В настоящее время для вакцинации используется, в основном, 5 вакцин: Pfizer, Moderna, AstraZeneca, Johnson and Johnson и Спутник-V. Ни одна вакцина против COVID-19 не защищает человека на 100% от заболеваемости коронавирусом. Средний показатель по летальности на 19.04.2021г. 1. Pfizer-39,4; 2. Moderna-20,2; 3. AstraZeneca-12,8; 4. Johnson and Johnson-7,5; 5. Спутник V-2,0. Вакцины Pfizer и Моderna вызывают риск заболеваемости сердечно-сосудистой системы (миокардиты и перикардиты), тромбозы, кровотечения и эмболии.

Key words: коронавирусы, вакцины, количество вакцинированных, смертность от коронавируса, осложнения после вакцинации.

According to the Johns Hopkins Institute (USA) as of 23.06.2021 179164193 people worldwide became ill, 3882531 died, and 2687811467 were vaccinated (1). Several vaccines have been developed: the following vaccines are mainly used to vaccinate the population: Pfizer, Moderna, AstraZeneca, Johnson and Johnson and Sputnik V. These vaccines, approved by the FDA, provide reliable protection against COVID-19, but the efficacy rates indicated for each vaccine vary (2). The US Centers for Disease Control and Prevention (SDS) has published data on the incidence of coronavirus after vaccination. In total, 10262 cases of infection were registered (per 101 million vaccinated), and 160 died. Average after

vaccination for 13 countries as of 19.04.21 Was: 1. PfizerBiontech—39.4; 2. Moderna—20,2; 3. AstraZeneca—12,8; 4. Johnson and Johnson—7,5; 5 Sputnik V—2 (3).

Let's dwell on a few countries for vaccinated and what is known about the complications:

1. Ukraine: Population — 41488 people. The number of vaccinated – 1726042 – 4,16 %. Fully vaccinated - 360452 - 0,87%. In total, vaccinations were carried out - 2086492 (4). In Ukraine, there is still one known case of death from vaccination. 02.06.21 in the Vinnytsia region 47-year-old Ukrainian died 4 hours after he was vaccinated with the Pfizer vaccine (5). According to the Minister of Health of Ukraine Viktor Lyashko, "our citizens do not want to be vaccinated." Even before the start of the vaccination campaign in Ukraine (which started on February 24, 2021) (at that time) former chief sanitary doctor V. Lyashko said that 62% of health workers refuse to be vaccinated against COVID 19. All doses of vaccines are refused by those who are guaranteed mandatory vaccination. At the first stage, doctors should be vaccinated. Not all, of course, but some of them are great. So, it is known that doctors of the western regions often refuse to vaccinate the coronavirus. For example, at Chernivtsi City Hospital No. 3, no health worker wants to be vaccinated against the coronavirus, and in the city hospital No. 4, only three have signed up for vaccination. And in one of the district hospitals of Bukovyna, only five medical workers from eighty agreed to receive vaccinations against coronavirus. About the reasons for the refusal of vaccinations do not speak. The military also refuses to follow the words of the chief epidemiologist of the Armed Forces of Ukraine Mykola Olyma. 14 thousand doses were brought to the JFO zone, of which 47200 to Donetsk and 68800 doses to the Luhansk region. 772 people were vaccinated in the JFO zone. Only 7000 people agreed to be vaccinated. (Galina Gordero). 56 soldiers of the Armed Forces of Ukraine were hospitalized after vaccination against COVID-19 vaccines CovisHield (6). UA.REGNUM>news of March 5, 2021) According to the former chief sanitary doctor of Ukraine V. Lyashko, who took two doses of vaccination on the 13th day fell ill with coronavirus. Doctor Alexander Kukharchuk writes in his FB that more and more patients with "post-vaccination acute COVID-19" are turning to him. I see vaccinated with an antibody titer (Abott) of 10000 AE, 20000 AE, 30000 AE, and even 40000 AE (upper limit of the Method) who received both doses of the vaccine and ended up in the hospital with severe COVID-19. This is antibody-dependent Infection Enhancement (ADE). The cause of the SARS-Cov-2 mutation. Attention to doctors. Especially dangerous is the situation when ADE develops 10-14 days after 1 or 2 doses of vaccination. During this period, both patients

and doctors tend to chalk it up to a late reaction to the vaccine and skip the onset of Covid pneumonia. Be careful. Does the type of vaccine matter for the development of ADE? No, I see this reaction after completely different vaccines. Does this mean that you do not need to be vaccinated? No, it doesn't! I don't see mass development. What to do? Get vaccinated, but continue to comply with all epidemic rules, especially in countries where a Covid outbreak caused by the Delta variant is already flaring up. Once again I appeal to the doctors - be attentive to your vaccinated patients. In Ukraine, the age category of 80-year-olds was vaccinated by 4% with one dose, 1,87% underwent a full course of vaccination. The full course of vaccination in this age group is the lowest. In this group, the risk of hospitalization for infection is the highest and is 51%, the risk of death is 17% writes doctor Evgeny Istrebin (GVP- pharmacovigilance). Head of the Department of Pediatric Infectious Diseases and Pediatric Immunology of the P.L. Shupyk NMAPE, Professor Alla Volokha notes 60 cases of "deadly shadow of covid" in patients who have had covid without symptoms or in a mild form. After that, you observe a healthy child for a month. But suddenly he falls into a serious condition - up to resuscitation (CENSOR.NET (Coronavirus and quarantine) regarding "TODAY".

2. Russia: Population 145 mil. 995 thousand As of 05.07.21 vaccinated - 25134026 - 17,22%; Fully vaccinated 17899266 - 12,26%; total vaccinated - 43039292 (10). The Sputnik-V vaccine was used. Sick after 2 vaccinations (from 31.05-21.05.21) about 1000 people after 2 weeks i.e. 0,1%. In Chelyabinsk on April 22, 2021, several people became ill with COVID-19 after vaccination between 1 and 2 vaccinations and after 2 - confirms First Deputy Governor Irina Geft. In Vlasikha, Odintsovo district, all contract servicemen were vaccinated without fail After which the guys were sick for two weeks (11). Irina Denisova 24.06.21 FB). "There are no completely safe vaccines. Any vaccine gives serious changes in the immune system. The immune system can break down so that a person becomes disabled, or even dies, "writes Alexander Politaev, Doctor of Medical Sciences, immunologist (12).

Russia PI comparing the mortality rate after vaccination "Sputnik V" and other drugs writes that the number of deaths among those vaccinated with the Russian vaccine is several times lower than those who used drugs, Pfizer, Moderna, AstraZeneca and Johnson and Johnson. (13 countries: USA, France, Germany UK, Norway, Austria, Italy, India, Argentina, Brazil Chile, Denmark Russia - average). (FORBES Russia from 23.04.21) It is reported that the artists Alexander Buinov and Vladimir Kuzin were in the hospital with COVID-19 after vaccination. Today 29.06.21 it became known that the WHO suspended the production of the vaccine "Sputnik V" in Ufa because of gross violations of the manufacture of the vaccine. In

addition, Patrushev at a meeting of the government of the Russian Federation said that a pathogenic biochemical war is being waged against Russia (14). (WHO website and Andrey Karaulov's YouTube site). In the Perm Territory, 353 people fell ill with the coronavirus after vaccination of these, 60% of vaccinated fell ill after the introduction of the first component of the drug (yandex.eu).

3. USA: population - 332961 thousand, the number of vaccinated -182412776 -54,79%, fully vaccinated - 157323778 - 47,25%, vaccinated - 330604253. More than 3300 U.S. residents died after vaccination from December 2020 to April 23, 2021 (per 100 million vaccinated (FOX). As of 30.04.21, 101 million people were vaccinated. After vaccination, 10262 cases became ill, 160 died - 2%. As of June 25, 21, scientists from the Cleveland Clinic evaluated the effectiveness of vaccination against COVID-19 among people who were not infected with SARS-Cov-2 and among those who have been ill. The studies involved 52238 employees of the Cleveland Clinic, of which 5% were previously infected with SARS-Cov-2. An analysis of the cumulative incidence of COVID-19 showed that during the study, the virus infected almost exclusively those who had not previously been infected and not vaccinated. They accounted for 99,3% of cases. Another 0,7% of those infected were recorded in previously unhealed but vaccinated participants. Among the people who have had COVID-19, no one has gotten sick. Thus, scientists concluded, that COVID-19 confirmed by a laboratory test is no worse, and perhaps better than even vaccination, and sick people do not need to be vaccinated. In contrast, people without a prior SARS Cov-2 infection may get the maximum benefit from the vaccine. Therefore, the COVID-19 vaccine should be given first to people who have no history of SARS-Cov-2 infection. (Health News of June 25, 2021). Skrestha NK.2021. The necessity of Covid-19 Vaccination in Previously Infected individuals; A Cohort retrospective Study medRxiv, https://www.Medrxiv.org/content/10.1101/2021/06/21258176. According U.S. the Department of Health on 26.06.21, COVID-19 vaccines: Pfizer/BioNTech, Moderna-mRNK, and Jonson and Jonson are thought to cause a risk of myocarditis (inflammation of the heart muscle) and pericarditis (inflammation of the tissue surrounding the heart) after vaccination. The agency clarified that 300 mils. doses of Pfizer, Moderna and Johnson and Johnson vaccines were used in the United States, 1,2 thousand cases of myocarditis and pericarditis were reported. About 323 more people under the age of 30 were in the hospital. At the moment, 295 have already been discharged, 9 are still in the hospital, two are in the intensive care unit. The vast majority of cases of heart disease occur in men after vaccination with a second dose of Pfizer and Moderna. The statistics were analyzed after people aged 12 to 29 years in the United States were administered more than 50 million doses of mRNK vaccines Pfizer and Moderna (16). (U.S. Department of Health and Human Services. Food and Drug Administration 26.06.21)

- 4. Israel: Population 9326 thousand people; The number of vaccinated 5663255 60,73%; Fully vaccinated 5180662 55,20% 55.2%; There are 1084391 vaccinations in total. Moderna and Pfizer/Biontech vaccines were used. In Israel, 60,73% of the population has been vaccinated and no disease has been reported in the last 10 months. Previously, cases of myocarditis were reported after vaccination with Pfizer (!7) ("GTP / Standards Technologies Development"). From 24.04 on 21 to 20 June, 554 new cases were reported, representing 29% (18). The MoH of Israel bit.ly/3Xdolg) of the 169 cases infected with the Indian strain of Delta (The Times of Israil, citing the Commissioner for combating COVID-19 Nakhman Ash). Behind Israel's data, the vaccinated get sick more easily. A Pfizer spokesperson responded that their vaccine also protects against Delta by 90% (reut. Rs/3v YTWdW) Mass vaccination of children from 12 to 16 years old has now begun.
- 5. Spain on 06.07.21 population 46773 thousand; the number of vaccinated 26505676 56,7%; fully vaccinated 19135448 40,91%; 43959621 vaccinated. Vaccination began on 04.01.21. Vaccines were used: Johnson and Johnson 1242672, Moderna 3792824, AstraZeneca 7221390 (19). (Statistics of vaccination against coronavirus in Spain 06.07.21). 01.02.21 it is reported that after the first vaccination with the Pfizer vaccine, all residents of the nursing home fell ill with coronavirus (78 people). After 6 days, the first signs of the disease (20) began to appear (according to https://ourwordlindata.org?covid-vaccination). Spain and the Netherlands on March 18, 2021, suspended the AstraZeneca vaccine, as there are many cases of blood clots (21). (BBCNews Russian service >rassian>news-56441727).
- 6. Great Britain: as of 06.07.21 population 68246 thousand; the number of vaccinated 45351719 66,45%, fully vaccinated 33777772 49,42%, total vaccinated 79078 081. As of the evening of 23.06.21 29 million doses of Pfizer were administered (439 deaths per 18 million people), 45 mils. doses of AstraZeneka (24,5 mil. 936 lethal), 0,9 mil. doses of Moderna (5 deaths). Within 7 days after vaccination, 1 person dies out of 40 thousand vaccinated Pfizer, 1 out of 26 thousand vaccinated AstraZeneca and 1 out of 80 thousand vaccinated Moderna. If we take into account only thrombosis, bleeding and embolism, the advantage of AstraZeneca in the number of deaths is overwhelming: 220:40. Such different risks of death with such large numbers of vaccinations reliably indicate the relationship between death and vaccination. According to the regulator, thrombosis in

combination with thrombocytopenia is 10 times more likely to develop after the first dose of AZ than after the second (361:34) (22).

### Conclusions

- 1. In the world it is used for vaccination, mainly 5 vaccines: Pfizer, Moderna, AstraZeneca, Johnson and Johnson and Sputnik-V.
- 2. No vaccine against COVID-19 protects a person 100% from the incidence of coronavirus.
- 3. Average mortality rate as of 19.04.2021 1. Pfizer-39,4; 2. Moderna-20,2; 3. AstraZeneca-12,8; 4. Johnson and Johnson-7,5; 5. SputnikV-2,0.
- 4. Pfizer and Moderna vaccines cause the risk of cardiovascular disease (myocarditis and pericarditis), thrombosis, bleeding and embolism.

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