WAR IN UKRAINE
Situation report from WHO Ukraine country office

Issue No. 30
2 November 2022 17H00 CET

WHO UKRAINE COUNTRY OFFICE

BY THE NUMBERS (since 24 February):

- **17.7 M** AFFECTED
- **14 591 581** LEFT UKRAINE (UNHCR)
- **9865** INJURED (OHCHR)
- **6430** CONFLICT-RELATED DEATHS (OHCHR)

HIGHLIGHTS

- The WHO Country Office (CO) in Ukraine supported the first visit and knowledge exchange between Ukraine and Belgium in the field of mental health and services. The visit is a realization of the Pan-European Mental Health Coalition, initiated by WHO Regional Director for Europe Dr Hans Henri P. Kluge. The WHO CO will continue to support this exchange at ministerial level, in continuation of agreements between Her Majesty Queen Mathilde of the Belgians and First Lady of Ukraine Olena Zelenska. For further information, click [here](#).

- As part of the COVAX Facility, 2.3 million doses of the Pfizer-BioNTech mRNA COVID-19 vaccine (Comirnaty) were provided by the Government of the United States. The COVAX Facility ensures a continuous course of protection against SARS-CoV-2 for Ukrainians. For further information, click [here](#).

WHO continues to support the Ukrainian health-care system with immunization against COVID-19 during the war across technical areas, including strategic direction, a nationwide health worker capacity building programme, and direct operational assistance in vaccination coverage of high-risk groups and particularly vulnerable groups in the population.

Guillaume Simonian,
Acting WHO Representative (WR) for Ukraine

WHO KEY FIGURES

- **2065** SUPPLIES PROCURED
- **USD 4.3 BILLION** FUNDING REQUESTED
- **155** HEALTH CLUSTER PARTNERS
- **11.5 MILLION** TARGET POPULATION
- **1415** PATIENTS RECEIVED TRANSFER & MEDEVAC SUPPORT
- **640** VERIFIED ATTACKS ON HEALTH
- **33** NUMBER OF AMBULANCES DELIVERED
- **124** NUMBER OF PERSONNEL DEPLOYED & REPURPOSED IN UKRAINE

©WHO Ukraine
A report dated 25 October stated a rising concern about the possible spread of poliomyelitis (polio) cases in Ukraine despite the widespread belief that it had been eradicated. This was attributed to the disruption of vaccination campaigns in February just before the conflict started, and reversing the gains of increased coverage from 60% to 80% prior to the conflict. The Ministry of Health (MoH) of Ukraine emphasized the need for a full course of vaccination against polio in line with the National Vaccination Schedule to provide lifelong protection for children. Government officials stressed that vaccination is free of charge. For further information, click here.

As announced in a briefing by the MoH, since the start of the war well over half a million Ukrainians have consulted mental health specialists within the health-care system. “Since the beginning of the war, 650 000 people have turned to psychologists and psychiatrists in the health-care system, and they have received help. Outside the health-care system, there are also numerous psychologists at various levels, both state and non-state, such as in education, social policy, the armed forces, the National Police, the State Emergency Service,” he said. For further information, click here.

The MoH reported that 1126 additional autonomous generators would be purchased to provide electricity to hospitals without an alternative power source. This will be in addition to the over 400 generators already delivered as part of humanitarian aid to hospitals in the frontline zone. For further information, click here.

In the temporarily occupied territories, the occupiers refuse to allow humanitarian corridors to be opened to deliver the necessary medicines. “The MoH has received signals from our doctors in the occupied territories that there are problems with accessing medicines. And we are ready, as soon as there is a signal that the humanitarian corridor is opening,” said Minister of Health Viktor Liashko. For further information, click here.

Leadership & Coordination

The Acting WR participated in the opening of Ukraine’s new national neonatal screening centre.

The Acting WR met with the Deputy MoH in charge of infrastructure to discuss issues such as winterization support, asbestos management, and reconstruction of Ukraine.

The Acting WR continues to coordinate with UN leadership on support to Ukraine recovery and on humanitarian relief activities.

The Incident Manager (IM) coordinated a humanitarian response with UN leadership in the humanitarian hub.

The IM led efforts on the winterization plan at operational level.

The IM participated in a humanitarian operation planning and coordination session.

The IM supported the Health Cluster Strategic Advisory Group on the humanitarian operation planning cycle.
HEALTH INFORMATION

Conflict-related health information

- As of 30 October 2022, the Office of the UN High Commissioner for Human Rights (OHCHR) recorded:
  - 6430 civilians killed (2511 men, 1716 women, 167 girls, and 201 boys, as well as 34 children and 1801 adults whose sex is yet unknown); and
  - 9865 civilians injured (2107 men, 1515 women, 205 girls, and 292 boys, as well as 242 children and 5504 adults whose sex is yet unknown).

- According to the United Nations High Commissioner for Refugees, as of 25 October over 14.5 million Ukrainians crossed the border to neighbouring countries, of whom just over 7.1 million and over 1.6 million crossed the border to Poland and Hungary, respectively.

Local media monitoring

- A survey conducted by Gradus on the status of mental health in Ukraine during the war found that 71% of Ukrainians feel stressed because of the war and most of them do not seek help from a specialist. The survey was conducted within the framework of First Lady Olena Zelenska’s initiative to create the National Mental Health and Psychosocial Support Programme. For further information, click here.

- The National Health Service of Ukraine (NHSU) and the Ministry of Veterans Affairs continue their advocacy and awareness-raising on free medical care for veterans. The NHSU pays medical institutions for the drugs, consultations and research necessary for patients, as well as the assistance of doctors and nurses, and for hospital meals. If a patient does not have an acute illness, they can receive psychiatric care at home or at their place of residence. Such assistance is provided under the “Psychiatric assistance provided by mobile multidisciplinary teams” package. A referral for help from the team can be obtained from a psychiatrist or family doctor. For further information, click here.

- Under martial law, the centralized procurement of medicines and equipment for 2022 is 90% complete. According to the MoH, contracts for the purchase of medicines and medical equipment for UAH 6.2 billion have been concluded, which represents 90% of the plan for 2022. The remaining 10% are conducting tenders or concluding contracts. Currently, there are remnants of medical drugs with a value of UAH 6.2 billion, purchased in previous years, in the regions. According to calculations, this is sufficient to cover hospitals for six months. The supply of drugs purchased in 2022 has already started and will continue until March. For further information, click here.

- Since the beginning of the full-scale war, shelling has damaged more than a thousand medical facilities in Ukraine. The MoH of Ukraine reported that, as a result of these actions, 29 civilian doctors were killed and more than 100 were injured. According to the Ministry, 94 medical facilities were completely restored and 203 were partially restored. For further information, click here.

- The Office of the First Lady stated that experts from various fields have developed ideas on how to create a comprehensive system of care for children’s mental health in Ukraine, how to make psychological help available, and how to combine the efforts of schools, communities and businesses. For further information, click here.
ATTACKS ON HEALTH

Verified reports of attacks (as of 2 November 2022) For further information, click here.

Based on matched HF’s names, as of 1 November 2022 there are 497 attacks on health facilities in 14 oblasts (including Kyiv city), 231 health facilities were attacked, on average around 408 thousand patients were treated per month in these health facilities according to pre-war data from eHealth.
COVID-19 and other communicable diseases

As of 31 October, the average daily number of new COVID-19 cases is at 2340, a decrease from 2415 per day in the previous week. The seven-day average daily polymerase chain reaction (PCR) tests performed decreased from 2793 compared to 3410 in the previous week (compared to 42 460 in the last week before the war). A similar trend is observed with rapid diagnostic tests performed in laboratories and at primary health-care and hospital level. A comprehensive weekly COVID-19 dashboard can be found here.

Surveillance from open-source intelligence

As of 30 October the average daily number of new COVID-19 cases is at 2340, which represents a decrease from 2415 per day in the previous week. A total of 179 deaths were reported during Reporting Week 43, compared to 189 in the previous week. The seven-day daily average of polymerase chain reaction (PCR) tests performed decreased to 2793 from 3114 in the previous week (compared to 42 460 in the last week before the war). A similar trend is observed with rapid diagnostic tests performed in laboratories and at primary health-care and hospital level. A comprehensive weekly COVID-19 dashboard can be found here.

- Acute respiratory infection (including COVID-19) incidence is 244.6 cases per 100 000, which is below the epidemic threshold for Ukraine (for Week 42 of 2022)
- No influenza virus has been detected through the influenza sentinel surveillance system.
- With no new cases of monkeypox reported during the reporting week, the total number of confirmed cases remains at five.
WHO has launched a new Ukrainian language course that covers the major elements that must be considered before, during and after the implementation of antigen-detecting rapid diagnostic tests (Ag-RDTs) for SARS-CoV-2 to ensure effective implementation and greater public health benefits.

The 2-hour OpenWHO.org course is aimed at laboratory stakeholders, notably those involved in planning at central level but also other health stakeholders, as well as all relevant professionals tasked with the implementation of RDT testing, including ministries of health, donors, and public and private organizations.

It is based on SARS-CoV-2 antigen-detecting rapid diagnostic tests: An implementation guide released in December 2020 and is complementary to the policy guidance issued by WHO.

Participants in the course have the opportunity to earn a certificate and digital badge to share their achievement with their networks. This is the 19th course launched on OpenWHO’s Ukraine learning channel in collaboration with the WHO Country Office in Ukraine.

**OpenWHO.org: Free online courses in Ukrainian supporting health emergency response**

| Total number of Ukrainian language courses | 19 |
| Total number of enrolments in Ukrainian courses | 4195 |
| Total number of certificates issued in Ukrainian courses | 1348 |
| Total number of digital badges issued in Ukrainian courses | 339 |

**UKRAINE COUNTRY OFFICE ACTIONS**

**Health operations – National Laboratories**

- WHO completed the procurement and delivery of the ultra-low temperature freezer for the Ukrainian Public Health Centre (UPHC). This purchase, executed as part of an agreement between WHO, the MoH and World Bank, is meant to enforce the technical potential of the reference laboratory at the UPHC.

- The newly drafted SOP titled “Laboratory diagnostic general test protocol: 2. Oxidase” aims to support protocols used in bacteriological laboratories for species identification.

- On 28 November a webinar was conducted in support of nationwide capacity assessment of clinical diagnostic laboratories, with 278 participants attending, and more than 100 questions posed in the Q&A session. The PowerPoint presentation and recording of the webinar were shared with the participants.

- Two SOPs titled “Quality control of laboratory equipment” and “Preparing, fixing and colouring blood smears” were drafted.

- A report was drafted on SARS-CoV-2 variant frequencies in samples collected in Ukraine’s various regions in August and September and sequenced at the UPHC.
WHO UKRAINE COUNTRY OFFICE ACTIONS

Health operations – Emergency Medical Services / Trauma

- WHO conducted three one-day on-site trainings on mass casualty management in three health-care facilities in the Vinnytsya oblast. More than 120 health-care providers were trained in triage, approaches to mass casualty management, and participated in a real-life simulation of a mass casualty event.

- WHO conducted a three-day training on trauma management for 18 emergency health service providers from the Kharkiv and Zaporizhzhya oblasts. The training focused on pre-hospital trauma management and covered areas such as airway management, critical bleeding and vascular access with pre-hospital shock management principles, pelvic and spine trauma skills, trauma assessment skills, head trauma, chest trauma, abdominal trauma, extremity and pelvic trauma, as well as trauma in special populations.

- WHO conducted a one-day training on the implementation of infection prevention and control clinical bundles in the city of Kyiv, with 20 staff members from five health-care facilities participating in the trainings. Clinical bundles and standard operating procedures (SOPs) on prevention of catheter-associated infections, ventilator-associated infections and surgical site infections were discussed, developed and provided to health-care facilities.

Health operations – Health Cluster/Partner updates

- Since its launch on 15 April 2022 the Health Requests, Planning and Response tool (HRPR) has been revised and upgraded, and 369 requests have been logged since the launch. The winterization strategy and mapping was finalized and shared with the United Nations Office for the Coordination of Humanitarian Affairs.

- As of 12 October, Health Cluster (HC) partners have reported completed and/or ongoing activities in 625 Ukrainian settlements reaching 8.63 million people. HC had collected 5W data from 155 partners, 140 partners reported completed and/or ongoing status of health activities, 15 reported planned activities. For further information, click here.

- Pipeline data collected by the HC from Partners contribute to the inter-Cluster effort to coordinate the delivery of supplies. As of 12 October, 30 Partners have contributed information on the status of supplies in the pipeline (delivered, to be delivered and ready for shipment).*

- To minimize the impact of winter on health, HC is supporting partners in scaling-up preparedness efforts while advocating for a multi-sectoral approach. HC is carrying out a mapping of winter-preparedness activities, and updating the 5W template in order to capture and coordinate partners’ winterization activities.

- The National HC meeting was held on 26 October, the Mental Health and Psychosocial Support technical working group presented an overview to the group, as well as its strategic objective and activities for 2023.

<table>
<thead>
<tr>
<th>Medicines, Medical supplies &amp; Equipment*</th>
<th>Status</th>
<th>Items</th>
<th>Kits</th>
<th>Metric tonne</th>
<th>USD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Delivered</td>
<td>31 036 270</td>
<td>177 108</td>
<td>3 578</td>
<td>12.3M</td>
</tr>
<tr>
<td></td>
<td>To be Delivered</td>
<td>6 409 279</td>
<td>247 278</td>
<td>186</td>
<td>1.3M</td>
</tr>
<tr>
<td></td>
<td>To be Shipped</td>
<td>2 415 952</td>
<td>811</td>
<td>264</td>
<td>9.5M</td>
</tr>
</tbody>
</table>
Health operations - Vaccine-preventable diseases and Immunization (VPI)

- Representatives of the WHO CO participated in VPD Task Force (TF) meetings and presented draft instructions for health-care workers on vaccine cold chain maintenance during power outages caused by the war, and addressed questions from VPD TF members. The document has been submitted to the national counterparts for their review and endorsement.

- Representatives of the WHO CO participated in a joint MoH-UPHC-eHealth call on target group size/denominator estimates for routine immunization in 2022–2023 and provided related recommendations to:
  - verify the number of 2022 newborns formally reported to Ukraine’s health system by maternity wards/medical facilities, including from home deliveries, etc.;
  - request information from UNCHR on the size of each age cohort of children reported as refugees in neighbouring countries due to the war in Ukraine;
  - request information from UNICEF about their estimates per age group of the population of children remaining in Ukraine; and
  - request information from neighbouring countries (mainly EU) on the size of each age cohort of children reported as refugees and evacuees from Ukraine.

Once the required information is collected, follow-up discussions will be conducted between health authorities and the State Statistics Service.

- The WHO CO continues to support the advertising campaign on the WHO Collaborating Centre information materials on COVID-19 vaccine safety. The campaign is progressing successfully, with analytics confirming over 20 million viewers from Ukraine. This makes Ukraine, by far, a top country for total visitors to the website of the WHO Collaborating Centre for Vaccine Safety.

- The VPI team delivered five webinars for health-care workers on infection prevention and control in shelters for internally displaced persons (IDPs) in five regions in Ukraine with the highest number of IDPs:
  - 24 October - Vinnytsya oblast – 52 participants
  - 25 October – Dnipropetrovsk oblast – 99 participants
  - 26 October – Zakarpattya oblast – 43 participants
  - 27 October – Ivano-Frankivsk oblast – 13 participants
  - 28 October – Rivne oblast – 42 participants
UKRAINE COUNTRY OFFICE ACTIONS

Health operations – Polio

- The number of confirmed cVDPV2* isolates in Ukraine remains at two from acute flaccid paralysis (AFP) cases, with 19 asymptomatic contacts from two oblasts (Rivne and Zakarpattya).

- One new AFP cases was reported this week from Lvisvks Oblast.

- Inactivated polio vaccine catch-up vaccination among children aged from 6 months to 6 is ongoing across Ukraine.

- Capacity building efforts concluded with training of three more groups of health workers in the Zakarpattya oblast. The participants included epidemiologists, family doctors, neurologists, paediatricians, and were trained in the Uzhhorod and Mukachevo districts.

- World Polio Day was commemorated with partners from the Global Polio Eradication Initiative (including the UPHC, Oblast Centers for Disease Control and Prevention, Rotary International and UNICEF).

- Activities to engage marginalized and underserved communities were conducted in two areas. Nearly 500 parents were sensitized and 99 children, including those from available resistant/refusal households, were immunized. Gift items were distributed among the children receiving vaccinations, and school items were handed over to community centres.

<table>
<thead>
<tr>
<th>S/N</th>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Epidemiologists</td>
<td>44</td>
</tr>
<tr>
<td>2</td>
<td>Family doctors</td>
<td>116</td>
</tr>
<tr>
<td>3</td>
<td>Infectious diseases specialists</td>
<td>13</td>
</tr>
<tr>
<td>4</td>
<td>Neurologist</td>
<td>11</td>
</tr>
<tr>
<td>5</td>
<td>Pediatricians</td>
<td>13</td>
</tr>
</tbody>
</table>

People whose capacity were built within 4 days: 197

Total Acute Flaccid Paralysis (AFP)

- 94 With Lab results
- 0 Not sent yet
- 0 En Route
- 4 In the lab

©WHO Ukraine
UKRAINE COUNTRY OFFICE ACTIONS

Operational Support and Logistics - OSL

- As of 30 October, WHO warehouses in multiple locations have received medical supplies with a value of over US$ 217,643 and a total weight of over 9 metric tonnes.
- On 23-30 October medical supplies and equipment with a total value exceeding US$ 450,419 and a total weight of more than 11.6 metric tonnes were delivered to various oblasts of Ukraine. They were mainly represented by, but not limited to, the good from the lab specific, Biomed equipment, etc.
- Efforts to prepare the WHO fleet for the winter season have commenced, and snow chains have been procured.
- Forty-eight ambulances are expected to be received until the end of the year.
- Physical inventory in the Odesa warehouse has commenced.

### Estimated Impact of Basic Healthcare and Trauma Kits

**Shipment Status to Ukraine**

- **$4,721,729**
  - 33,089 TSEK 2019
  - Emergency Medical relief kit
- **$1,853,331**
  - 1,841,000 EHR 2019
  - Emergency medical equipment
- **$4,371,403**
  - 5,070,000 NCD 2016
  - Emergency medical supply
- **$127,407**
  - 1,001,000 20,000 Cholera kits 2023
  - Medical supply

**Breakdown by Category of Supplies Delivered to Ukraine**

- **Medicines**
- **Ambulance**
- **Rescue**
- **Bed supplies**
- **Chemical supplies**
- **Biomed equipment**
- **Equipment, vehicles and furniture**
- **Chemical supplies**
- **Biomed**
- **PPE**
- **Communications**
- **Narcotics**
- **Toiletries**
- **Fluids**
- **Blood supplies**
- **Biologic medicines**
- **ORF/Plastic**
- **NCD**
- **Staff health**

**Breakdown by Category of Supplies to be Delivered to Ukraine**

- **Medicines**
- **Ambulance**
- **Rescue**
- **Bed supplies**
- **Chemical supplies**
- **Biomed equipment**
- **Equipment, vehicles and furniture**
- **Chemical supplies**
- **Biomed**
- **PPE**
- **Communications**
- **Narcotics**
- **Toiletries**
- **Fluids**
- **Blood supplies**
- **Biologic medicines**
- **ORF/Plastic**
- **NCD**
- **Staff health**
Communications

From 17 to 21 October the WHO CO published 23 Twitter posts and nine Facebook posts that received a total of 67,705 and 22,773 impressions, respectively, covering topics such as: World Polio Day 2022 activities in the Zakarpattya region; a WHO survey on accessing health care in Ukraine after eight months of the war; health attacks; knowledge exchange between Ukrainian and Belgian mental health policy-makers; launching an OpenWHO course on cholera in Ukrainian; a video from the donation of three multipurpose tents and one interconnecting module to the State Emergency Service of Ukraine; delivery of 2.3 million doses of the Comirnaty mRNA COVID-19 vaccine developed by Pfizer/BioNTech.

Social listening

- Rumours are being monitored and evaluated in relation to:
  - potential risks of blackouts, lack of water, food, and medical support due to shelling; and
  - potential risks involved in fighting affecting a nuclear power plant, destroying the infrastructure facilities during shelling and their impact on the health-care infrastructure.
  - COVID-19 discussion is being revived with a new wave of rumours related to post-vaccination topics, such as increased post-vaccination mortality rate among adults and children and increased post-vaccination syndrome. The vaccine pricing and purchasing negotiations remain confidential at the moment.
  - War-related disease searches are being monitored. The frequency of online discussions about cholera is diminishing. Diphtheria is generating some interest only in several regions, such as Lviv and Kyiv.

Media

- A press release on public health survey was disseminated to national media: WHO website (English) and UN Ukraine website (ENG and UKR).
- A press release on World Polio Day published on the WHO website + photos collected from the field visit + national broadcaster’s interview with Raymond Dankoli for all of Ukraine + regional level press conference resulted in 20 publications.
- A joint MoH/UNICEF/WHO press release on COVAX vaccine delivery was published.

Production

- Video coverage of a donation by WHO of three multipurpose tents and one interconnecting module to the State Emergency Service of Ukraine: Facebook (ENG and UKR); Twitter (ENG and UKR).
WHO Ukraine Contacts

- WHO Representative, Jarno Habicht, habichtj@who.int
- WCO acting Incident Manager, Emanuele Bruni, brunie@who.int
- WCO WHE Lead, Guillaume Simonian, simoniang@who.int

Key links and useful resources

- **Online courses & knowledge-transfer platform**
  For updated interactive, web-based, online courses, click [here](#).

- **Emergency Medical Teams (EMT)**
  For updated EMT network activities, click [here](#).

- **WHO Publications and Technical Guidance**
  For updated WHO Publications and Technical Guidance on technological hazards and health risks in Ukraine, click [here](#).